Pipe Size Clamps

Schedule 5S and 10S Single Pin Heavy Duty - *13MHHV*

Pipe Size	Service Pressure PSI Rating @ 70°F (21°C) [1]	Dimension A	*304 Stainless Steel* Part #
1"	**500**	2.122"	***13MHHV100***
1½"	**450**	2.654"	***13MHHV150***
2"	**400**	3.185"	***13MHHV200***
2½"	**350**	3.717"	***13MHHV250***
3"	**250**	4.263"	***13MHHV300***
4"	**150**	5.263"	***13MHHV400***
6"	**100**	7.500"	***13MHHV600***

[1] wing nut tightened to 25 in. lbs. of torque

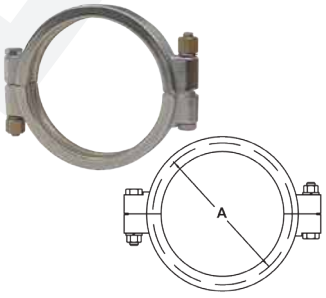


Bolted - *13MHPV400*

Pipe Size	Service Pressure PSI Rating @ 70°F (21°C) [1]	Dimension A	*304 Stainless Steel* Part #
4"	**400**	5.187"	***13MHPV400***

[1] nut tightened to 20 ft. lbs. of torque

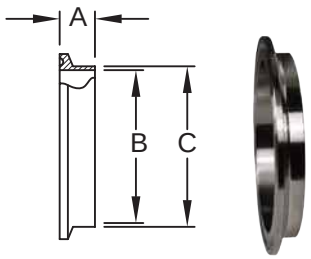
- For additional information on pipe dimensions please reference dixonvalve.com.



Pipe Size Ferrules

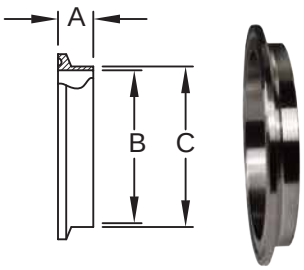
Schedule 5S Short Weld - *14WMV*

Pipe Size	Dimensions A	B	C	*316L Stainless Steel* Part #
1"	.500"	1.185"	1.315"	***14WMV-R100***
1½"	.500"	1.770"	1.900"	***14WMV-R150***
2"	.500"	2.245"	2.375"	***14WMV-R200***
2½"	.500"	2.709"	2.875"	***14WMV-R250***
3"	.500"	3.334"	3.500"	***14WMV-R300***
4"	.625"	4.334"	4.500"	***14WMV-R400***
6"	.875"	6.407"	6.625"	***14WMV-R600***



Schedule 10S Short Weld - *14WMX*

Pipe Size	Dimensions A	B	C	*316L Stainless Steel* Part #
1"	.500"	1.097"	1.315"	***14WMX-R100***
1½"	.500"	1.682"	1.900"	***14WMX-R150***
2"	.500"	2.157"	2.375"	***14WMX-R200***
2½"	.500"	2.635"	2.875"	***14WMX-R250***
3"	.500"	3.260"	3.500"	***14WMX-R300***
4"	.625"	4.260"	4.500"	***14WMX-R400***
6"	.875"	6.350"	6.625"	***14WMX-R600***



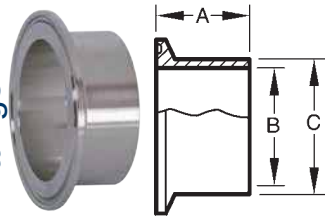
- For additional information on pipe dimensions please reference dixonvalve.com.

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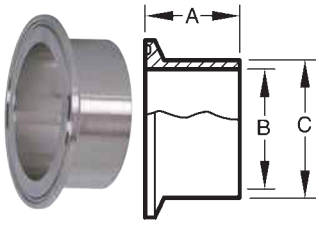
Pipe Size Ferrules

Schedule 5S Long Weld - *L14AM7V*



Pipe Size	Dimensions A	B	C	*316L Stainless Steel* Part #
1"	1.125"	1.185"	1.315"	***L14AM7V-R100***
1½"	1.125"	1.770"	1.900"	***L14AM7V-R150***
2"	1.125"	2.245"	2.375"	***L14AM7V-R200***
2½"	1.125"	2.709"	2.875"	***L14AM7V-R250***
3"	1.125"	3.334"	3.500"	***L14AM7V-R300***
4"	1.125"	4.334"	4.500"	***L14AM7V-R400***

Schedule 10S Long Weld - *L14AM7X*

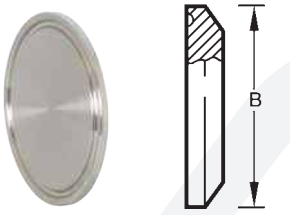


Pipe Size	Dimensions A	B	C	*316L Stainless Steel* Part #
1"	1.125"	1.097"	1.315"	***L14AM7X-R100***
1½"	1.125"	1.682"	1.900"	***L14AM7X-R150***
2"	1.125"	2.157"	2.375"	***L14AM7X-R200***
2½"	1.125"	2.635"	2.875"	***L14AM7X-R250***
3"	1.125"	3.260"	3.500"	***L14AM7X-R300***
4"	1.125"	4.260"	4.500"	***L14AM7X-R400***

- For additional information on pipe dimensions please reference dixonvalve.com.

Pipe Size End Caps

Schedule 5S and 10S Solid - *16AMV*



Pipe Size	Dimensions A	B	*304 Stainless Steel* Part #	*316L Stainless Steel* Part #
1"	.250"	1.984"	***16AMV-G100***	***16AMV-R100***
1½"	.250"	2.516"	***16AMV-G150***	***16AMV-R150***
2"	.250"	3.047"	***16AMV-G200***	***16AMV-R200***
2½"	.250"	3.579"	***16AMV-G250***	***16AMV-R250***
3"	.312"	4.125"	***16AMV-G300***	***16AMV-R300***
4"	.312"	5.125"	***16AMV-G400***	***16AMV-R400***

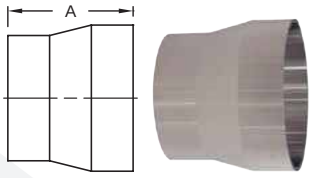
- Specify if you are using a piping system or a tubing system when ordering.
- For additional information on pipe dimensions please reference dixonvalve.com.

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Pipe Size Adapters

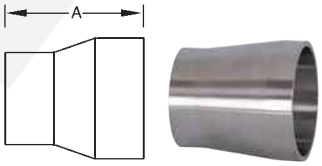
Tube OD Weld x Schedule 5S Weld - *B19WV*

Pipe Size	Dimension A	Tube Wall Thickness	Pipe Wall Thickness	*316L Stainless Steel* Part #
1"	2.000"	.065"	.065"	***B19WV-R100***
1½"	2.500"	.065"	.065"	***B19WV-R150***
2"	2.500"	.065"	.065"	***B19WV-R200***
2½"	2.500"	.065"	.084"	***B19WV-R250***
3"	2.500"	.065"	.084"	***B19WV-R300***
4"	3.000"	.084"	.084"	***B19WV-R400***



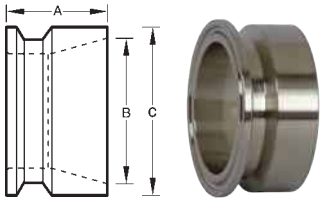
Tube OD Weld x Schedule 10S Weld - *B19WX*

Pipe Size	Dimension A	Tube Wall Thickness	Pipe Wall Thickness	*316L Stainless Steel* Part #
1"	2.000"	.065"	.109"	***B19WX-R100***
1½"	2.500"	.065"	.109"	***B19WX-R150***
2"	2.500"	.065"	.109"	***B19WX-R200***
2½"	2.500"	.065"	.120"	***B19WX-R250***
3"	2.500"	.065"	.120"	***B19WX-R300***
4"	3.000"	.084"	.120"	***B19WX-R400***



Clamp x Schedule 10S Weld - *B19MPX*

Pipe Size	Dimensions A	B	C	Pipe Wall Thickness	*316L Stainless Steel* Part #
1"	1.125"	1.097"	1.315"	.109"	***B19MPX-R100***
1½"	1.125"	1.682"	1.900"	.109"	***B19MPX-R150***
2"	1.125"	2.157"	2.375"	.109"	***B19MPX-R200***
2½"	1.125"	2.635"	2.875"	.120"	***B19MPX-R250***
3"	1.125"	3.260"	3.500"	.120"	***B19MPX-R300***
4"	1.125"	4.260"	4.500"	.120"	***B19MPX-R400***



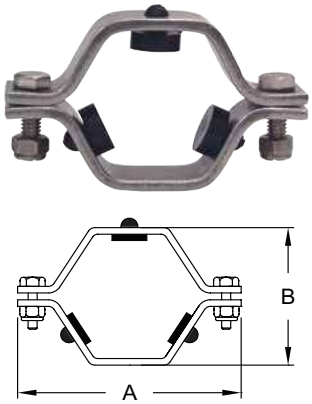
- For additional information on pipe dimensions please reference dixonvalve.com.

PDF

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Pipe Size Hangers

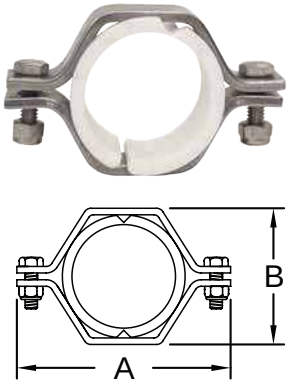
Hex with Rubber Grommets - *B24RV* [1]



Pipe Size	Dimensions A	Dimensions B	*304 Stainless Steel* Part #
1"	3.7"	2.2"	***B24RV-G100***
1½"	4.4"	2.8"	***B24RV-G150***
2"	5.0"	3.3"	***B24RV-G200***
2½"	5.6"	3.7"	***B24RV-G250***
3"	6.1"	4.3"	***B24RV-G300***
4"	7.6"	5.0"	***B24RV-G400***
6"	9.8"	7.2"	***B24RV-G600***

[1] for coupler options call Dixon®

Hex with Polypropylene Sleeves - *B24PV* [1]



Pipe Size	Dimensions A	Dimensions B	*304 Stainless Steel* Part #
1"	3.750"	2.125"	***B24PV-G100***
1½"	4.312"	2.625"	***B24PV-G150***
2"	5.000"	3.125"	***B24PV-G200***
2½"	5.625"	3.785"	***B24PV-G250***
3"	6.000"	4.250"	***B24PV-G300***
4"	7.500"	5.127"	***B24PV-G400***
6"	9.750"	7.375"	***B24PV-G600***

[1] for coupler options call Dixon®

Sleeves - *13PV*



Size	*Polypropylene* Part #
1"	***13PV-100***
1½"	***13PV-150***
2"	***13PV-200***
2½"	***13PV-250***
3"	***13PV-300***
4"	***13PV-400***
6"	***13PV-600***

- For additional information on pipe dimensions please reference dixonvalve.com.

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Schedule 5S and 10S Pipe Gaskets

Buna-N - *40MPV-U*, Black

Features:
- color code: red dot
- meets 21CFR 177.2600

Size	*Buna-N* Part #
1"	***40MPV-U100***
1½"	***40MPV-U150***
2"	***40MPV-U200***
2½"	***40MPV-U250***
3"	***40MPV-U300***
4"	***40MPV-U400***



PTFE - *40MPV-G*, White

Features:
- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

Size	*PTFE* Part #
1"	***40MPV-G100***
1½"	***40MPV-G150***
2"	***40MPV-G200***
2½"	***40MPV-G250***
3"	***40MPV-G300***
4"	***40MPV-G400***



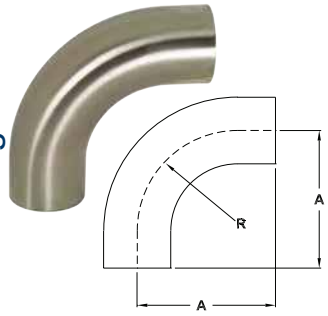
PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

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Polished Weld Elbows

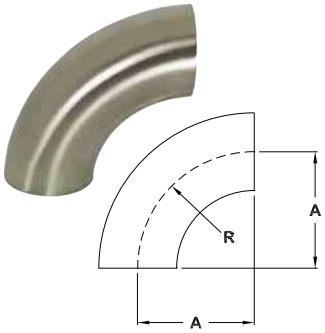
Sanitary Fittings

90° with Tangents - *B2S*



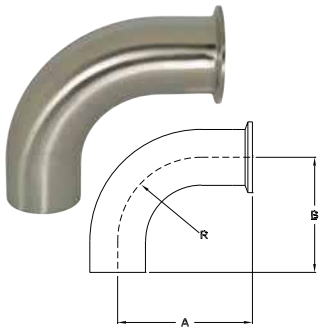
Tube OD	Dimensions A	Dimensions R	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
½"	3.000"	1.125"	.065"	---	***B2S-R50P***
¾"	3.000"	1.125"	.065"	---	***B2S-R75P***
1"	2.062"	1.500"	.065"	***B2S-G100P***	***B2S-R100P***
1½"	2.937"	2.250"	.065"	***B2S-G150P***	***B2S-R150P***
2"	4.062"	3.000"	.065"	***B2S-G200P***	***B2S-R200P***
2½"	5.187"	3.750"	.065"	***B2S-G250P***	***B2S-R250P***
3"	6.312"	4.500"	.065"	***B2S-G300P***	***B2S-R300P***
4"	8.312"	6.000"	.083"	***B2S-G400P***	***B2S-R400P***

90° - *B2WCL*



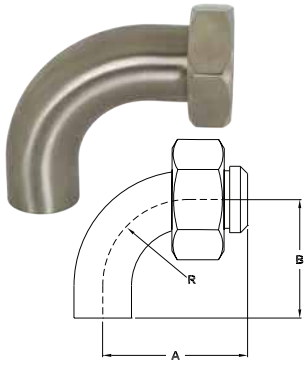
Tube OD	Dimensions A	Dimensions R	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
½"	1.125"	1.125"	.065"	---	***B2WCL-R50P***
¾"	1.125"	1.125"	.065"	---	***B2WCL-R75P***
1"	1.500"	1.500"	.065"	***B2WCL-G100P***	***B2WCL-R100P***
1½"	2.250"	2.250"	.065"	***B2WCL-G150P***	***B2WCL-R150P***
2"	3.000"	3.000"	.065"	***B2WCL-G200P***	***B2WCL-R200P***
2½"	3.750"	3.750"	.065"	***B2WCL-G250P***	***B2WCL-R250P***
3"	4.500"	4.500"	.065"	***B2WCL-G300P***	***B2WCL-R300P***
4"	6.000"	6.000"	.083"	***B2WCL-G400P***	***B2WCL-R400P***
6"	9.000"	9.000"	.109"	***B2WCL-G600P***	***B2WCL-R600P***
8"	12.000"	12.000"	.109"	***B2WCL-G800P***	***B2WCL-R800P***

90° Clamp x Weld - *B2CM*



Tube OD	Dimensions A	Dimensions B	Dimensions R	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
1"	2.562"	2.062"	1.500"	.065"	***B2CM-G100***	***B2CM-R100***
1½"	3.438"	2.937"	2.250"	.065"	***B2CM-G150***	***B2CM-R150***
2"	4.562"	4.062"	3.000"	.065"	***B2CM-G200***	***B2CM-R200***
2½"	5.688"	5.187"	3.750"	.065"	***B2CM-G250***	***B2CM-R250***
3"	6.812"	6.312"	4.500"	.065"	***B2CM-G300***	***B2CM-R300***
4"	8.937"	8.312"	6.000"	.083"	***B2CM-G400***	***B2CM-R400***

90° Plain Bevel Seat with Hex Nut x Weld - *B2FP*



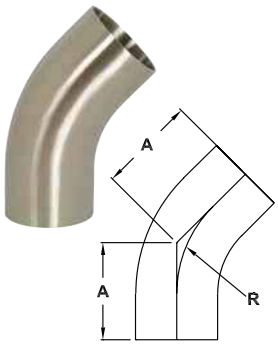
Tube OD	Dimensions A	Dimensions B	Dimensions R	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #
1½"	3.656"	2.937"	2.250"	.065"	***B2FP-G150***
2"	4.812"	4.062"	3.000"	.065"	***B2FP-G200***
2½"	6.062"	5.187"	3.750"	.065"	***B2FP-G250***
3"	7.218"	6.312"	4.500"	.065"	***B2FP-G300***

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Polished Weld Elbows

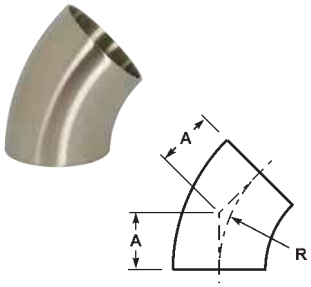
45° with Tangents - *B2KS*

Tube OD	Dimensions A	Dimensions R	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
¾"	2.250"	1.125"	.065"	---	***B2KS-R75P***
1"	1.188"	1.500"	.065"	***B2KS-G100P***	***B2KS-R100P***
1½"	1.625"	2.250"	.065"	***B2KS-G150P***	***B2KS-R150P***
2"	2.312"	3.000"	.065"	***B2KS-G200P***	***B2KS-R200P***
2½"	3.000"	3.750"	.065"	***B2KS-G250P***	***B2KS-R250P***
3"	3.688"	4.500"	.065"	***B2KS-G300P***	***B2KS-R300P***
4"	4.812"	6.000"	.083"	***B2KS-G400P***	***B2KS-R400P***



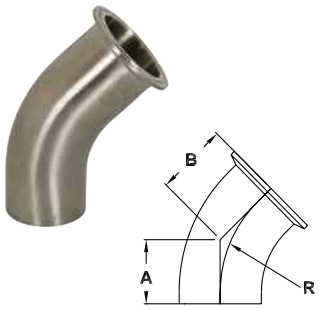
45° - *B2WK*

Tube OD	Dimensions A	Dimensions R	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
1"	.62"	1.500"	.065"	***B2WK-G100P***	***B2WK-R100P***
1½"	.94"	2.250"	.065"	***B2WK-G150P***	***B2WK-R150P***
2"	1.25"	3.000"	.065"	***B2WK-G200P***	***B2WK-R200P***
2½"	1.56"	3.750"	.065"	***B2WK-G250P***	***B2WK-R250P***
3"	1.87"	4.500"	.065"	***B2WK-G300P***	***B2WK-R300P***
4"	2.50"	6.000"	.083"	***B2WK-G400P***	***B2WK-R400P***
6"	3.73"	9.000"	.109"	***B2WK-G600P***	***B2WK-R600P***
8"	4.97"	12.000"	.109"	---	***B2WK-R800P***



45° Clamp x Weld - *B2KM*

Tube OD	Dimensions A	Dimensions B	Dimensions R	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
1"	1.188"	1.688"	1.500"	.065"	***B2KM-G100***	***B2KM-R100***
1½"	1.625"	2.125"	2.250"	.065"	***B2KM-G150***	***B2KM-R150***
2"	2.312"	2.812"	3.000"	.065"	***B2KM-G200***	***B2KM-R200***
2½"	3.000"	3.500"	3.750"	.065"	***B2KM-G250***	***B2KM-R250***
3"	3.688"	4.188"	4.500"	.065"	***B2KM-G300***	***B2KM-R300***
4"	4.812"	5.437"	6.000"	.083"	***B2KM-G400***	***B2KM-R400***

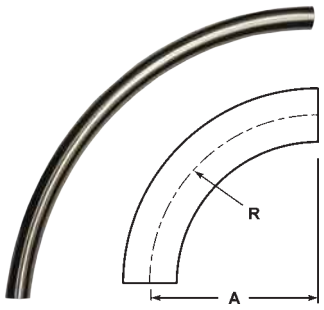


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Polished Weld Sweep Elbows

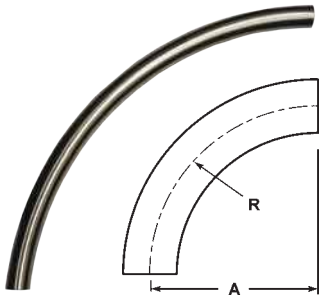
Feature:
- tangents, 45° and other radii elbows are available, call Dixon® for information

12" 90° - *B2SXL*



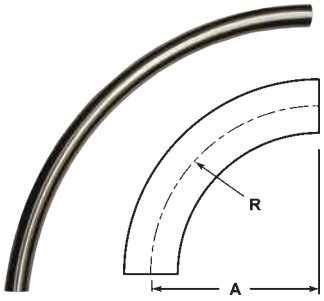
Tube OD	Dimensions A	Dimensions R	*316L Stainless Steel* Part #
1½"	12.00"	12.00"	***B2SXL12-R150***
2"	12.00"	12.00"	***B2SXL12-R200***
3"	12.00"	12.00"	***B2SXL12-R300***
4"	12.00"	12.00"	***B2SXL12-R400***

18" 90° - *B2SXL*



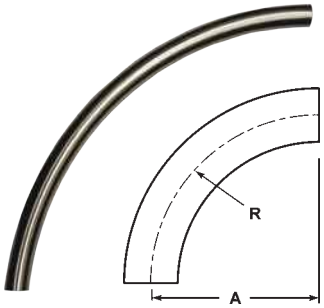
Tube OD	Dimensions A	Dimensions R	*316L Stainless Steel* Part #
1½"	18.00"	18.00"	***B2SXL18-R150***
2"	18.00"	18.00"	***B2SXL18-R200***
2½"	18.00"	18.00"	***B2SXL18-R250***
3"	18.00"	18.00"	***B2SXL18-R300***

24" 90° - *B2SXL*



Tube OD	Dimensions A	Dimensions R	*316L Stainless Steel* Part #
1½"	24.00"	24.00"	***B2SXL24-R150***
2"	24.00"	24.00"	***B2SXL24-R200***
2½"	24.00"	24.00"	***B2SXL24-R250***
3"	24.00"	24.00"	***B2SXL24-R300***

36" 90° - *B2SXL*



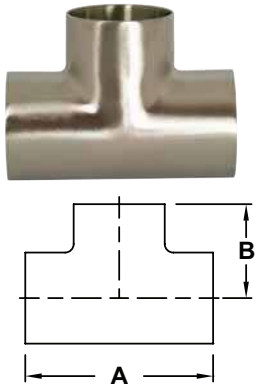
Tube OD	Dimensions A	Dimensions R	*316L Stainless Steel* Part #
3"	36.00"	36.00"	***B2SXL36-R300***
4"	36.00"	36.00"	***B2SXL36-R400***

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Polished Weld Tees

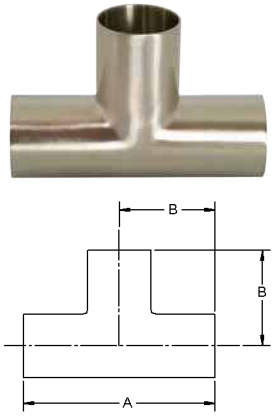
Short - *B7WWW*

Tube OD	Dimensions A	Dimensions B	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
1"	2.250"	1.125"	.065"	***B7WWW-G100P***	***B7WWW-R100P***
1½"	3.312"	1.656"	.065"	***B7WWW-G150P***	***B7WWW-R150P***
2"	4.124"	2.062"	.065"	***B7WWW-G200P***	***B7WWW-R200P***
2½"	4.688"	2.344"	.065"	***B7WWW-G250P***	***B7WWW-R250P***
3"	5.188"	2.594"	.065"	***B7WWW-G300P***	***B7WWW-R300P***
4"	6.876"	3.438"	.083"	***B7WWW-G400P***	***B7WWW-R400P***



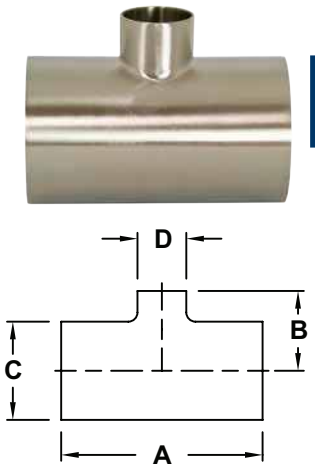
Long - *B7W*

Tube OD	Dimensions A	Dimensions B	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
¾"	4.000"	2.000"	.065"	***---***	***B7W-R75P***
1"	3.750"	1.875"	.065"	***B7W-G100P***	***B7W-R100P***
1½"	4.500"	2.250"	.065"	***B7W-G150P***	***B7W-R150P***
2"	6.000"	3.000"	.065"	***B7W-G200P***	***B7W-R200P***
2½"	6.000"	3.000"	.065"	***B7W-G250P***	***B7W-R250P***
3"	6.500"	3.250"	.065"	***B7W-G300P***	***B7W-R300P***
4"	7.750"	3.875"	.083"	***B7W-G400P***	***B7W-R400P***



Reducing - *B7RWWW*

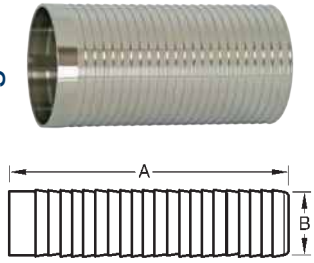
Tube OD	Dimensions A	Dimensions B	Dimensions C	Dimensions D	Wall Thick.	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
1½" x 1"	3.312"	1.375"	1.500"	1.000"	.065"	***B7RWWW-G150100P***	***B7RWWW-R150100P***
2" x 1"	4.124"	1.625"	2.000"	1.000"	.065"	***B7RWWW-G200100P***	***B7RWWW-R200100P***
2" x 1½"	4.124"	1.906"	2.000"	1.500"	.065"	***B7RWWW-G200150P***	***B7RWWW-R200150P***
2½" x 1½"	4.688"	2.156"	2.500"	1.500"	.065"	***B7RWWW-G250150P***	***B7RWWW-R250150P***
2½" x 2"	4.688"	2.312"	2.500"	2.000"	.065"	***B7RWWW-G250200P***	***B7RWWW-R250200P***
3" x 1½"	5.188"	2.406"	3.000"	1.500"	.065"	***B7RWWW-G300150P***	***B7RWWW-R300150P***
3" x 2"	5.188"	2.562"	3.000"	2.000"	.065"	***B7RWWW-G300200P***	***B7RWWW-R300200P***
4" x 2"	6.876"	3.062"	4.000"	2.000"	.083"	***B7RWWW-G400200P***	***B7RWWW-R400200P***
4" x 3"	6.876"	3.094"	4.000"	3.000"	.083"	***B7RWWW-G400300P***	***B7RWWW-R400300P***



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Weld Adapters

Long Hose - *14WHRL*



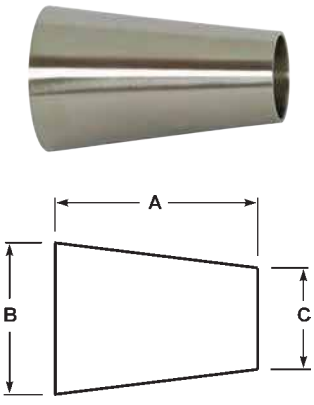
Feature:
- suitable for use with band clamps

Tube OD	Dimensions A	Dimensions B	Wall Thickness	*316L Stainless Steel* Part #
1"	3.000"	1.030"	.116"	***14WHRL-R100***
1½"	4.500"	1.530"	.116"	***14WHRL-R150***
2"	4.500"	2.030"	.116"	***14WHRL-R200***
2½"	5.000"	2.530"	.116"	***14WHRL-R250***
3"	5.000"	3.030"	.116"	***14WHRL-R300***
4"	4.875"	4.030"	.116"	***14WHRL-R400***

Use of PVC tubing requires special installation techniques to prevent leakage. All assembly work must be done with heated tube. Cold durometer is 90 as opposed to rubber hose at 65 to 70 durometer. Banding buckles must be at 180° from one another.

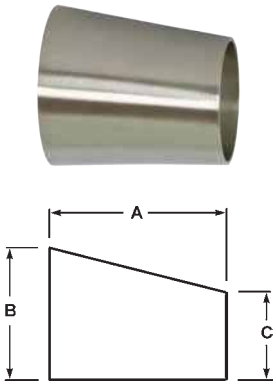
Polished Weld Reducers

Concentric - *B31W*



Tube OD	Dimensions A	Dimensions B	Dimensions C	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
¾" x ½"	1.000"	.750"	.500"	.065"	---	***B31W-R7550P***
1" x ½"	2.000"	1.000"	.500"	.065"	---	***B31W-R10050P***
1" x ¾"	1.000"	1.000"	.750"	.065"	---	***B31W-R10075P***
1½" x ¾"	3.000"	1.500"	.750"	.065"	---	***B31W-R15075P***
1½" x 1"	2.000"	1.500"	1.000"	.065"	***B31W-G150100P***	***B31W-R150100P***
2" x 1"	4.000"	2.000"	1.000"	.065"	***B31W-G200100P***	***B31W-R200100P***
2" x 1½"	2.000"	2.000"	1.500"	.065"	***B31W-G200150P***	***B31W-R200150P***
2½" x 1½"	4.000"	2.500"	1.500"	.065"	***B31W-G250150P***	***B31W-R250150P***
2½" x 2"	2.000"	2.500"	2.000"	.065"	***B31W-G250200P***	***B31W-R250200P***
3" x 1½"	6.000"	3.000"	1.500"	.065"	***B31W-G300150P***	***B31W-R300150P***
3" x 2"	4.000"	3.000"	2.000"	.065"	***B31W-G300200P***	***B31W-R300200P***
3" x 2½"	2.000"	3.000"	2.500"	.065"	***B31W-G300250P***	***B31W-R300250P***
4" x 2"	8.000"	4.000"	2.000"	.083"	***B31W-G400200P***	***B31W-R400200P***
4" x 2½"	6.000"	4.000"	2.500"	.083"	***B31W-G400250P***	***B31W-R400250P***
4" x 3"	4.000"	4.000"	3.000"	.083"	***B31W-G400300P***	***B31W-R400300P***
6" x 3"	5.500"	6.000"	3.000"	.109"	***B31W-G600300P***	***B31W-R600300P***
6" x 4"	5.500"	6.000"	4.000"	.109"	***B31W-G600400P***	***B31W-R600400P***

Eccentric - *B32W*

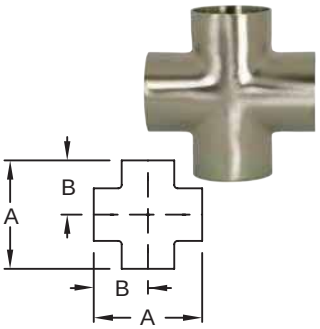


Tube OD	Dimensions A	Dimensions B	Dimensions C	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
1" x ½"	2.000"	1.000"	.500"	.065"	---	***B32W-R10050P***
2" x 1"	4.000"	2.000"	1.000"	.065"	***B32W-G200100P***	***B32W-R200100P***
2" x 1½"	2.000"	2.000"	1.500"	.065"	***B32W-G200150P***	***B32W-R200150P***
2½" x 2"	2.000"	2.500"	2.000"	.065"	***B32W-G250200P***	***B32W-R250200P***
3" x 2"	4.000"	3.000"	2.000"	.065"	***B32W-G300200P***	***B32W-R300200P***
3" x 2½"	2.000"	3.000"	2.500"	.065"	***B32W-G300250P***	***B32W-R300250P***
4" x 2"	8.000"	4.000"	2.000"	.083"	***B32W-G400200P***	***B32W-R400200P***
4" x 3"	4.000"	4.000"	3.000"	.083"	***B32W-G400300P***	***B32W-R400300P***

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Polished Weld Crosses

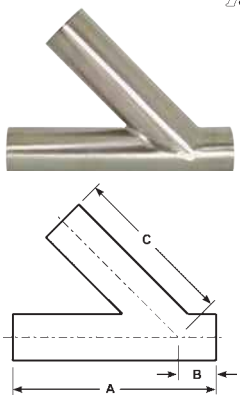
Crosses - *B9WWWW*



Tube OD	Dimensions A	Dimensions B	Wall Thickness	Polished ID/OD *304 Stainless Steel* Part #	Polished ID/OD *316L Stainless Steel* Part #
1½"	3.312"	1.656"	.065"	***B9WWWW-G150P***	***B9WWWW-R150P***
2"	4.125"	2.062"	.065"	***B9WWWW-G200P***	***B9WWWW-R200P***
3"	5.187"	2.593"	.065"	***B9WWWW-G300P***	***B9WWWW-R300P***
4"	6.875"	3.437"	.083"	***B9WWWW-G400P***	***B9WWWW-R400P***

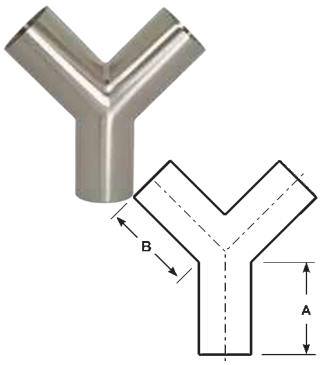
Miscellaneous Polished **Weld Configurations**

Laterals - *B28WA*



Tube OD	Dimensions A	Dimensions B	Dimensions R	Wall Thickness	Polished ID/OD *316L Stainless Steel* Part #
1"	6.000"	1.000"	5.000"	.065"	***B28WA-R100P***
1½"	7.375"	1.188"	6.188"	.065"	***B28WA-R150P***
2"	8.750"	1.625"	7.125"	.065"	***B28WA-R200P***
2½"	10.000"	1.500"	8.500"	.065"	***B28WA-R250P***
3"	10.750"	1.875"	8.875"	.065"	***B28WA-R300P***
4"	12.812"	2.015"	10.750"	.083"	***B28WA-R400P***

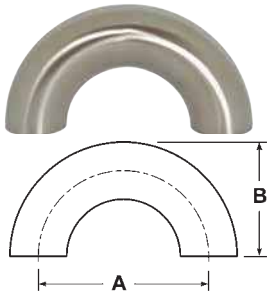
True Wyes - *B28W*



Tube OD	Dimensions A	Dimensions B	Wall Thickness	Polished ID/OD *316L Stainless Steel* Part #
1"	2.000"	2.438"	.065"	***B28W-R100P***
1½"	2.000"	2.438"	.065"	***B28W-R150P***
2"	2.625"	3.250"	.065"	***B28W-R200P***
2½"	3.370"	4.125"	.065"	***B28W-R250P***
3"	4.000"	4.875"	.065"	***B28W-R300P***
4"	5.375"	5.375"	.083"	***B28W-R400P***

180° Return Bends - *B2WUL*

Feature:
- bends are standard 1.5 x tube diameter



Tube OD	Dimensions A	Dimensions B	Polished ID/OD *316L Stainless Steel* Part #
1"	3.000"	2.000"	***B2WUL-R100P***
1½"	4.500"	3.000"	***B2WUL-R150P***
2"	6.000"	4.000"	***B2WUL-R200P***
2½"	7.500"	5.000"	***B2WUL-R250P***
3"	9.000"	6.000"	***B2WUL-R300P***
4"	12.000"	8.000"	***B2WUL-R400P***

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Weld End Blue Protection Covers - *BCW*

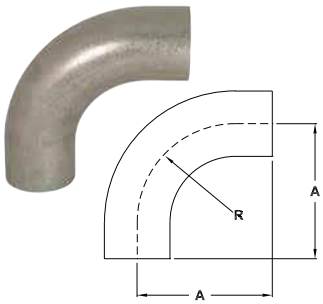
Feature:
- Use these covers to protect all weld ends on fittings and valves.



Size	*Vinyl Plastic* Part #
½"	***BCW-050***
¾"	***BCW-075***
1"	***BCW-100***
1½"	***BCW-150***
2"	***BCW-200***
2½"	***BCW-250***
3"	***BCW-300***
4"	***BCW-400***
6"	***BCW-600***
8"	***BCW-800***

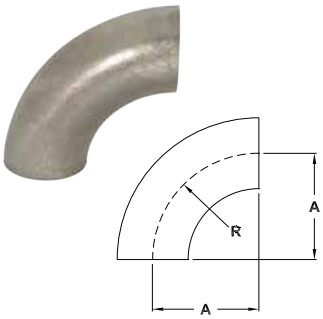
Unpolished Elbows

90° Weld with Tangents - *B2S*



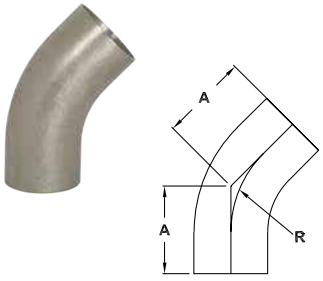
Tube OD	Dimensions A	Dimensions R	Wall Thickness	Unpolished *304 Stainless Steel* Part #	Unpolished *316L Stainless Steel* Part #
¾"	3.000"	1.125"	.065"	---	***B2S-R75U***
1"	2.062"	1.500"	.065"	***B2S-G100U***	***B2S-R100U***
1½"	2.937"	2.250"	.065"	***B2S-G150U***	***B2S-R150U***
2"	4.062"	3.000"	.065"	***B2S-G200U***	***B2S-R200U***
2½"	5.187"	3.750"	.065"	***B2S-G250U***	***B2S-R250U***
3"	6.312"	4.500"	.065"	***B2S-G300U***	***B2S-R300U***
4"	8.312"	6.000"	.083"	***B2S-G400U***	***B2S-R400U***

90° Weld - *B2WCL*



Tube OD	Dimensions A	Dimensions R	Wall Thickness	Unpolished *304 Stainless Steel* Part #	Unpolished *316L Stainless Steel* Part #
½"	1.125"	1.125"	.065"	---	***B2WCL-R50U***
¾"	1.125"	1.125"	.065"	---	***B2WCL-R75U***
1"	1.500"	1.500"	.065"	***B2WCL-G100U***	***B2WCL-R100U***
1½"	2.250"	2.250"	.065"	***B2WCL-G150U***	***B2WCL-R150U***
2"	3.000"	3.000"	.065"	***B2WCL-G200U***	***B2WCL-R200U***
2½"	3.750"	3.750"	.065"	***B2WCL-G250U***	***B2WCL-R250U***
3"	4.500"	4.500"	.065"	***B2WCL-G300U***	***B2WCL-R300U***
4"	6.000"	6.000"	.083"	***B2WCL-G400U***	***B2WCL-R400U***
6"	9.000"	9.000"	.109"	***B2WCL-G600U***	***B2WCL-R600U***
8"	12.000"	12.000"	.109"	***B2WCL-G800U***	***B2WCL-R800U***

45° Long Weld with Tangents - *B2KS*



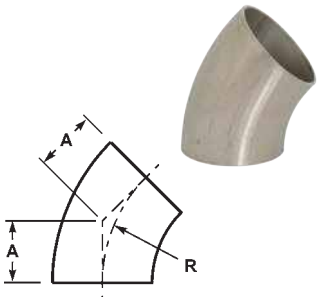
Tube OD	Dimensions A	Dimensions R	Wall Thickness	Unpolished *304 Stainless Steel* Part #	Unpolished *316L Stainless Steel* Part #
¾"	2.250"	1.125"	.065"	---	***B2KS-R75U***
1"	1.188"	1.500"	.065"	***B2KS-G100U***	***B2KS-R100U***
1½"	1.625"	2.250"	.065"	***B2KS-G150U***	***B2KS-R150U***
2"	2.312"	3.000"	.065"	***B2KS-G200U***	***B2KS-R200U***
2½"	3.000"	3.750"	.065"	***B2KS-G250U***	***B2KS-R250U***
3"	3.688"	4.500"	.065"	***B2KS-G300U***	***B2KS-R300U***
4"	4.812"	6.000"	.083"	***B2KS-G400U***	***B2KS-R400U***

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Unpolished Elbows

45° Weld - *B2WK*

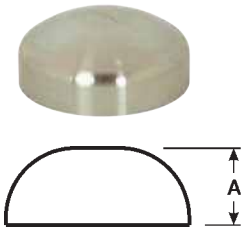
Tube OD	Dimensions A	Dimensions R	Wall Thickness	Unpolished *304 Stainless Steel* Part #	Unpolished *316L Stainless Steel* Part #
¾"	.466"	1.125"	.065"	---	***B2WK-R75U***
1"	.625"	1.500"	.065"	***B2WK-G100U***	***B2WK-R100U***
1½"	.937"	2.250"	.065"	***B2WK-G150U***	***B2WK-R150U***
2"	1.250"	3.000"	.065"	***B2WK-G200U***	***B2WK-R200U***
2½"	1.562"	3.750"	.065"	***B2WK-G250U***	***B2WK-R250U***
3"	1.875"	4.500"	.065"	***B2WK-G300U***	***B2WK-R300U***
4"	2.500"	6.000"	.083"	***B2WK-G400U***	***B2WK-R400U***
6"	3.750"	9.000"	.109"	***B2WK-G600U***	***B2WK-R600U***
8"	5.000"	12.000"	.109"	***B2WK-G800U***	***B2WK-R800U***



Sanitary Fittings

Unpolished End Caps - *B16W*

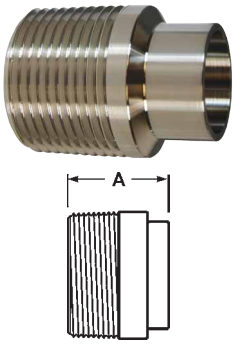
Tube OD	Dimension A	Unpolished *304 Stainless Steel* Part #
1"	.375"	***B16W-G100***
1½"	.562"	***B16W-G150***
2"	.750"	***B16W-G200***
2½"	1.000"	***B16W-G250***
3"	1.250"	***B16W-G300***
4"	1.500"	***B16W-G400***



Unpolished Adapters

Male NPT x Weld End - *B19WB*

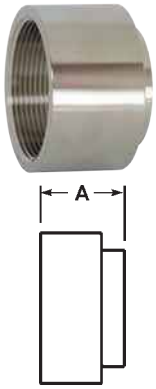
Tube OD	Dimension A	Wall Thickness	*304 Stainless Steel* Part #
1"	1.750"	.065"	***B19WB-G100***
1½"	1.750"	.065"	***B19WB-G150***
2"	1.812"	.065"	***B19WB-G200***
2½"	2.312"	.065"	***B19WB-G250***
3"	2.500"	.065"	***B19WB-G300***
4"	2.562"	.083"	***B19WB-G400***



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Female NPT x Weld End - *B22WB*

Tube OD	Dimension A	Wall Thickness	*304 Stainless Steel* Part #
1"	1.750"	.065"	***B22WB-G100***
1½"	1.750"	.065"	***B22WB-G150***
2"	1.812"	.065"	***B22WB-G200***
2½"	2.312"	.065"	***B22WB-G250***
3"	2.500"	.065"	***B22WB-G300***
4"	2.500"	.083"	***B22WB-G400***

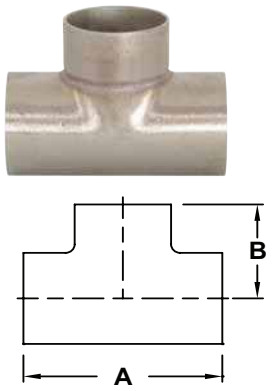


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Sanitary Fittings

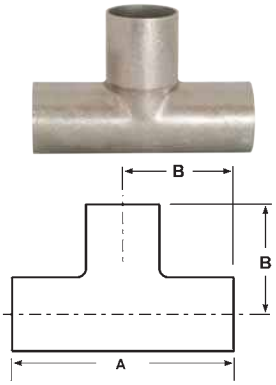
Unpolished Tees

Short Weld - *B7WWW*



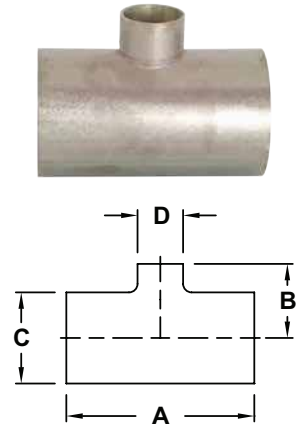
Tube OD	Dimensions A	Dimensions B	Wall Thickness	Unpolished *304 Stainless Steel* Part #	Unpolished *316L Stainless Steel* Part #
1"	2.250"	1.125"	.065"	***B7WWW-G100U***	***B7WWW-R100U***
1½"	3.312"	1.656"	.065"	***B7WWW-G150U***	***B7WWW-R150U***
2"	4.124"	2.062"	.065"	***B7WWW-G200U***	***B7WWW-R200U***
2½"	4.688"	2.344"	.065"	***B7WWW-G250U***	***B7WWW-R250U***
3"	5.188"	2.594"	.065"	***B7WWW-G300U***	***B7WWW-R300U***
4"	6.876"	3.438"	.083"	***B7WWW-G400U***	***B7WWW-R400U***

Long Weld - *B7W*



Tube OD	Dimensions A	Dimensions B	Wall Thickness	Unpolished *304 Stainless Steel* Part #	Unpolished *316L Stainless Steel* Part #
¾"	4.000"	2.000"	.065"	***---***	***B7W-R75U***
1"	3.750"	1.875"	.065"	***B7W-G100U***	***B7W-R100U***
1½"	4.500"	2.250"	.065"	***B7W-G150U***	***B7W-R150U***
2"	6.000"	3.000"	.065"	***B7W-G200U***	***B7W-R200U***
2½"	6.000"	3.000"	.065"	***B7W-G250U***	***B7W-R250U***
3"	6.500"	3.250"	.065"	***B7W-G300U***	***B7W-R300U***
4"	7.750"	3.875"	.083"	***B7W-G400U***	***B7W-R400U***

Reducing Weld - *B7RWWW*



Tube OD	Dimensions A	Dimensions B	Dimensions C	Dimensions D	Wall Thickness	Unpolished *304 Stainless Steel* Part #	Unpolished *316L Stainless Steel* Part #
1½" x 1"	3.312"	1.375"	1.500"	1.000"	.065"	***B7RWWW-G150100U***	***B7RWWW-R150100U***
2" x 1"	4.124"	1.625"	2.000"	1.000"	.065"	***B7RWWW-G200100U***	***B7RWWW-R200100U***
2" x 1½"	4.124"	1.906"	2.000"	1.500"	.065"	***B7RWWW-G200150U***	***B7RWWW-R200150U***
2½" x 1½"	4.688"	2.156"	2.500"	1.500"	.065"	***B7RWWW-G250150U***	***B7RWWW-R250150U***
2½" x 2"	4.688"	2.312"	2.500"	2.000"	.065"	***B7RWWW-G250200U***	***B7RWWW-R250200U***
3" x 1½"	5.188"	2.406"	3.000"	1.500"	.065"	***B7RWWW-G300150U***	***B7RWWW-R300150U***
3" x 2"	5.188"	2.562"	3.000"	2.000"	.065"	***B7RWWW-G300200U***	***B7RWWW-R300200U***
4" x 2"	6.876"	3.062"	4.000"	2.000"	.083"	***B7RWWW-G400200U***	***B7RWWW-R400200U***
4" x 3"	6.876"	3.094"	4.000"	3.000"	.083"	***B7RWWW-G400300U***	***B7RWWW-R400300U***

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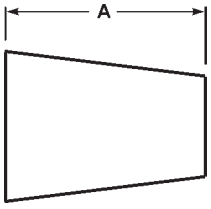
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Unpolished Weld Reducers

Concentric - *B31W*

Tube OD	Dimension A	Wall Thickness	Unpolished *304 Stainless Steel* Part #	Unpolished *316L Stainless Steel* Part #
¾" x ½"	1.000"	.065"	---	***B31W-R7550U***
1" x ½"	2.000"	.065"	---	***B31W-R10050U***
1" x ¾"	1.000"	.065"	---	***B31W-R10075U***
1½" x ¾"	3.000"	.065"	---	***B31W-R15075U***
1½" x 1"	2.000"	.065"	***B31W-G150100U***	***B31W-R150100U***
2" x 1"	4.000"	.065"	***B31W-G200100U***	***B31W-R200100U***
2" x 1½"	2.000"	.065"	***B31W-G200150U***	***B31W-R200150U***
2½" x 1½"	4.000"	.065"	***B31W-G250150U***	***B31W-R250150U***
2½" x 2"	2.000"	.065"	***B31W-G250200U***	***B31W-R250200U***
3" x 1½"	6.000"	.065"	***B31W-G300150U***	***B31W-R300150U***
3" x 2"	4.000"	.065"	***B31W-G300200U***	***B31W-R300200U***
3" x 2½"	2.000"	.065"	***B31W-G300250U***	***B31W-R300250U***
4" x 2"	8.000"	.083"	***B31W-G400200U***	***B31W-R400200U***
4" x 2½"	6.000"	.083"	***B31W-G400250U***	***B31W-R400250U***
4" x 3"	4.000"	.083"	***B31W-G400300U***	***B31W-R400300U***
6" x 4"	5.500"	.109"	***B31W-G600400U***	***B31W-R600400U***

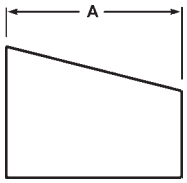




Eccentric - *B32W*

Tube OD	Dimension A	Wall Thickness	Unpolished *304 Stainless Steel* Part #	Unpolished *316L Stainless Steel* Part #
1" x ½"	2.000"	.065"	---	***B32W-R10050U***
2" x 1"	4.000"	.065"	***B32W-G200100U***	***B32W-R200100U***
2" x 1½"	2.000"	.065"	***B32W-G200150U***	***B32W-R200150U***
2½" x 2"	2.000"	.065"	***B32W-G250200U***	***B32W-R250200U***
3" x 2"	4.000"	.065"	***B32W-G300200U***	***B32W-R300200U***
3" x 2½"	2.000"	.065"	***B32W-G300250U***	***B32W-R300250U***
4" x 2"	8.000"	.083"	***B32W-G400200U***	***B32W-R400200U***
4" x 3"	4.000"	.083"	***B32W-G400300U***	***B32W-R400300U***





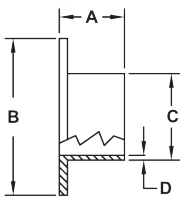
J

Unpolished Type A Stub Ends - *14VB*

Application:
- typically used with B38SL flanges

Tube OD	Dimensions A	B	C	D	*316L Stainless Steel* Part #
1"	1.625"	2.000"	1.000"	.065"	***14VB-R100***
1½"	1.750"	2.875"	1.500"	.065"	***14VB-R150***
2"	1.500"	3.625"	2.000"	.065"	***14VB-R200***
2½"	2.000"	4.125"	2.500"	.065"	***14VB-R250***
3"	2.250"	5.000"	3.000"	.065"	***14VB-R300***
4"	2.625"	6.187"	4.000"	.083"	***14VB-R400***
6"	3.000"	8.500"	6.000"	.109"	***14VB-R600***
8"	3.000"	10.625"	8.000"	.109"	***14VB-R800***

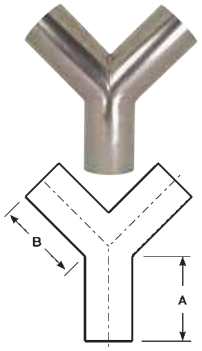




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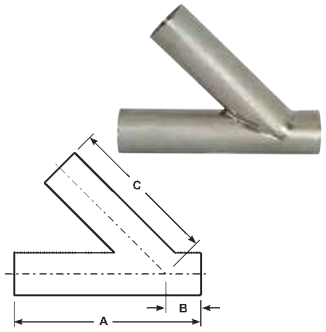
Unpolished Miscellaneous Configurations

Weld True Wyes - *B28W*



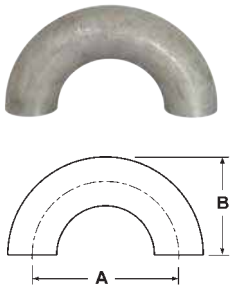
Tube OD	Dimensions A	Dimensions B	Wall Thickness	Unpolished *316L Stainless Steel* Part #
1"	2.000"	2.438"	.065"	***B28W-R100U***
1½"	2.000"	2.438"	.065"	***B28W-R150U***
2"	2.625"	3.250"	.065"	***B28W-R200U***
2½"	3.370"	4.125"	.065"	***B28W-R250U***
3"	4.000"	4.875"	.065"	***B28W-R300U***
4"	5.375"	5.375"	.083"	***B28W-R400U***

Weld Laterals - *B28WA*



Tube OD	Dimensions A	Dimensions B	Dimensions R	Wall Thickness	Unpolished *316L Stainless Steel* Part #
1"	6.000"	1.000"	5.000"	.065"	***B28WA-R100U***
1½"	7.375"	1.188"	6.188"	.065"	***B28WA-R150U***
2"	8.750"	1.625"	7.125"	.065"	***B28WA-R200U***
2½"	10.000"	1.500"	8.500"	.065"	***B28WA-R250U***
3"	10.750"	1.875"	8.875"	.065"	***B28WA-R300U***
4"	12.812"	2.015"	10.750"	.083"	***B28WA-R400U***

Weld 180° Return Bends - *B2WUL*



Feature:
- bends are standard 1.5 x tube diameter

Tube OD	Dimensions A	Dimensions B	Wall Thickness	Unpolished *316L Stainless Steel* Part #
1"	3.000"	2.000"	.065"	***B2WUL-R100U***
1½"	4.500"	3.000"	.065"	***B2WUL-R150U***
2"	6.000"	4.000"	.065"	***B2WUL-R200U***
3"	9.000"	6.000"	.065"	***B2WUL-R300U***
4"	12.000"	8.000"	.083"	***B2WUL-R400U***

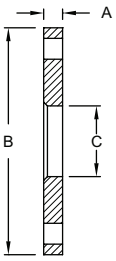
See page 610 for weld end protection covers.

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Unpolished - Flanges

Slip-On 150# - *B38SL*

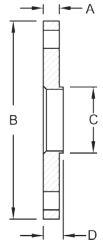
Tube OD	Dimensions A	B	C	Number / Diameter Bolt Holes	Bolt Circle	*304 Stainless Steel* Part #	*316L Stainless Steel* Part #
1"	.375"	4.250"	1.063"	4/.625"	3.125"	***B38SL-G100***	***B38SL-R100***
1½"	.375"	5.000"	1.563"	4/.625"	3.875"	***B38SL-G150***	***B38SL-R150***
2"	.437"	6.000"	2.063"	4/.750"	4.750"	***B38SL-G200***	***B38SL-R200***
3"	.500"	7.500"	3.063"	4/.750"	6.000"	***B38SL-G300***	***B38SL-R300***
4"	.562"	9.000"	4.063"	8/.750"	7.500"	***B38SL-G400***	***B38SL-R400***
6"	.562"	11.000"	6.063"	8/.875"	9.500"	***B38SL-G600***	***B38SL-R600***
8"	.562"	13.500"	8.063"	8/.875"	11.750"	***B38SL-G800***	***B38SL-R800***





Weld Neck - *B38W*

Tube OD	Dimensions A	B	C	D	Number / Diameter Bolt Holes	Bolt Circle	*316L Stainless Steel* Part #
1"	.375"	4.250"	1.000"	.500"	4/.625"	3.125"	***B38W-R100***
1½"	.375"	5.000"	1.500"	.500"	4/.625"	3.875"	***B38W-R150***
2"	.500"	6.000"	2.000"	.625"	4/.750"	4.750"	***B38W-R200***
2½"	.500"	7.000"	2.500"	.625"	4/.750"	5.500"	***B38W-R250***
3"	.500"	7.500"	3.000"	.625"	4/.750"	6.000"	***B38W-R300***
4"	.500"	9.000"	4.000"	.625"	8/.750"	7.500"	***B38W-R400***
6"	.500"	11.000"	6.000"	.625"	8/.875"	9.500"	***B38W-R600***
8"	.500"	13.500"	8.000"	.625"	8/.875"	11.750"	***B38W-R800***





- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

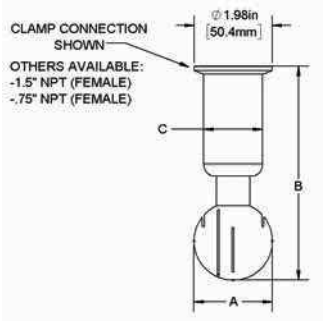
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Sanitary Fittings

Spray Balls

Rotating - SRH





Application:
- ideal for cleaning all types of tanks and vessels

Features:
- stainless steel ball bearings eliminate rust
- cleaning solution lubricates unit
- mirror-like finish (OD)
- spray pattern: 360°
- available connections: clamp and NPT

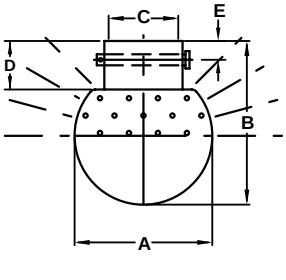
Size	Type	*304 Stainless Steel* Part #	*316L Stainless Steel* Part #
¾"	NPT	***SRH360NPT-G075***	**---**
1½"	NPT	**---**	***SRH360NPT-R150***
1½"	clamp	***SRH360CMP-G150***	***SRH360CMP-R150***

Stationary - STC

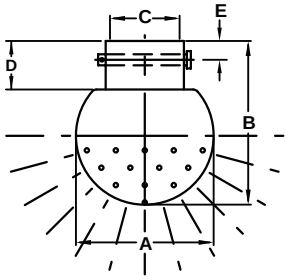
Application:
- typicaly used in food and beverage industries for cleaning storage tanks

Features:
- heavy duty 316L stainless steel construction provides longer life
- stationary - designed to be mounted to a tube or pipe
- 2 mm spray holes
- various spray patterns available (blanks available as special order)

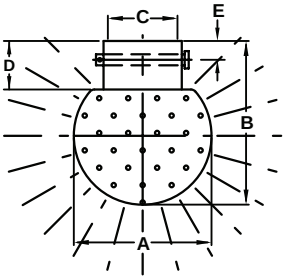




180° Top Pattern



180° Bottom Pattern



360° Pattern

Size	Pin Length	Spray Pattern	Dimensions A	B	C	D	E	Pin Size	*316L Stainless Steel* Part #
1"	1.47"	360°	2.50"	3.04"	1.005"	.975"	.445"	.226"	***STC-360-R100***
1½"	1.95"	360°	2.95"	3.55"	1.505"	1.050"	.445"	.226"	***STC-360-R150***
1"	1.47"	180° bottom	3.54"	2.95"	1.005"	.975"	.445"	.226"	***STC-180B-R100***
1½"	1.95"	180° bottom	3.54"	2.95"	1.505"	.975"	.445"	.226"	***STC-180B-R150***
1"	1.47"	180° top	3.54"	2.95"	1.005"	.975"	.445"	.226"	***STC-180T-R100***
1½"	1.95"	180° top	3.54"	2.95"	1.505"	.975"	.445"	.226"	***STC-180T-R150***

Repair Kits

Repair kit contains:
(1) pin
(1) R clip

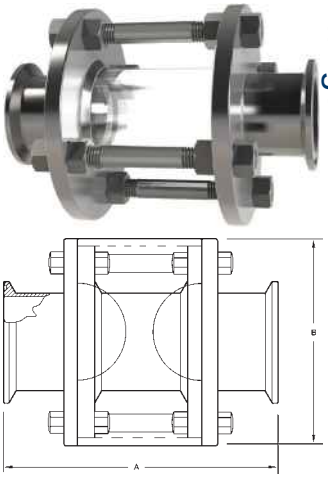
Size	Part #
1"	***STC-RK100***
1½"	***STC-RK150***

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Sight Glasses

Features:
- 1" - 6" OD tube
- body: 316L stainless steel
- sight glass: Borosilicate glass or polycarbonate
- gaskets: white Buna or FKM
- 32R_a sanitary finish, ID and OD

In-line - *B54BMP*



Features:
- various end configurations are available: clamp, weld, bevel seat, John Perry, I-Line and Q-Line
- maximum temperature: **200°F (93°C)**

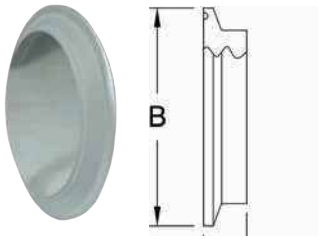
Tube OD	A	B	Working Pressure (PSI)	*316L Stainless Steel Borosilicate Glass* Part Number	*316 Stainless Steel Polycarbonate* Part Number
1"	5.625"	3.250"	**145**	***B54BMP-R100***	***B54BMP-R100LX***
1½"	5.625"	4.000"	**145**	***B54BMP-R150***	***B54BMP-R150LX***
2"	5.625"	4.250"	**145**	***B54BMP-R200***	***B54BMP-R200LX***
2½"	6.125"	4.750"	**120**	***B54BMP-R250***	***B54BMP-R250LX***
3"	7.250"	5.500"	**120**	***B54BMP-R300***	***B54BMP-R300LX***
4"	7.375"	6.500"	**95**	***B54BMP-R400***	***B54BMP-R400LX***
6"	7.625"	9.500"	**80**	***B54BMP-R600***	***B54BMP-R600LX***

Kits and Replacement Parts

Size	*Buna Seal Kit* Part Number	FKM Seal Kit Part Number	*Borosilicate Glass Replacement* Part Number	*Polycarbonate Replacement* Part Number
1"	***B54BMP-SK100***	***B54BMP-VK100***	***B54G-P100***	***B54BMP-LX100***
1½"	***B54BMP-SK150***	***B54BMP-VK150***	***B54G-P150***	***B54BMP-LX150***
2"	***B54BMP-SK200***	***B54BMP-VK200***	***B54G-P200***	***B54BMP-LX200***
2½"	***B54BMP-SK250***	***B54BMP-VK250***	***B54G-P250***	***B54BMP-LX250***
3"	***B54BMP-SK300***	***B54BMP-VK300***	***B54G-P300***	***B54BMP-LX300***
4"	***B54BMP-SK400***	***B54BMP-VK400***	***B54G-P400***	***B54BMP-LX400***
6"	***B54BMP-SK600***	***B54BMP-VK600***	***B54G-P600***	***B54BMP-LX600***

Seal kit contains: (2) white Buna gaskets

End Caps - *B5416MP*



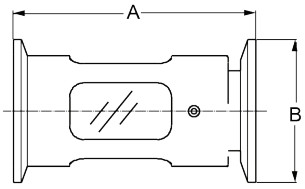
Feature:
- for use on any line with a clamp and gasket
- maximum temperature: **150°F (66°C)**
- maximum operating pressure: **100 PSI**

Tube OD	A	B	*Acrylic Plastic* Part Number
1" - 1½"	.438"	1.984"	***B5416MP-A100150***
2"	.438"	2.516"	***B5416MP-A200***
2½"	.438"	3.047"	***B5416MP-A250***
3"	.438"	3.579"	***B5416MP-A300***
4"	.438"	4.682"	***B5416MP-A400***
6"	.438"	6.562"	***B5416MP-A600***

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Compact Sight Glasses





Applications:
- Used widely in the food, dairy and beverage sanitary processes to view products and fluids.

Features:
- design perfect for hoses
- easier to clean than bolted styles
- less cost to repair than bolted styles
- clamp connections standard

Tube OD	Dimensions		*316 Stainless Steel Polycarbonate* Part #	*316 Stainless Steel Borosilicate Glass* Part #
	A	B		
1"	3.375"	1.985"	***B54BMPLX-R100***	***B54BMPS-R100***
1½"	3.640"	1.985"	***B54BMPLX-R150***	***B54BMPS-R150***
2"	3.830"	2.516"	***B54BMPLX-R200***	***B54BMPS-R200***
3"	4.130"	3.579"	***B54BMPLX-R300***	***B54BMPS-R300***
4"	4.340"	4.682"	***B54BMPLX-R400***	***B54BMPS-R400***

Seal Kits



Size	*Buna Seal Kit* Part Number	*FKM Seal Kit* Part Number
1"	***B54BMP-SK100***	***B54BMP-VK100***
1½"	***B54BMP-SK150***	***B54BMP-VK150***
2"	***B54BMP-SK200***	***B54BMP-VK200***
3"	***B54BMP-SK300***	***B54BMP-VK300***
4"	***B54BMP-SK400***	***B54BMP-VK400***

Replacement Glasses



Size	*Polycarbonate Replacement* Part Number	*Borosilicate Glass Replacement* Part Number
1"	***B54BMP-LX100***	***B54BMP-GL100***
1½"	***B54BMP-LX150***	***B54BMP-GL150***
2"	***B54BMP-LX200***	***B54BMP-GL200***
3"	***B54BMP-LX300***	***B54BMP-GL300***
4"	***B54BMP-LX400***	***B54BMP-GL400***

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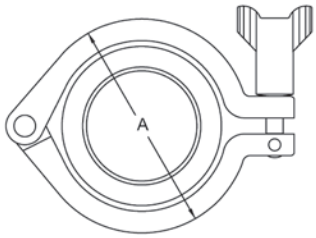
Swivels

Features:
- available in clamp and weld configurations
- elastomers: silicone and PTFE standard, optional elastomers available
- finish: sanitary finish ID and OD



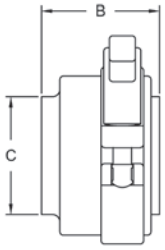
straight clamp - style 20

Size	Dimensions A	B	C	Pressure Rating PSI @ 70°F (21°C)	Pressure Rating PSI @ 250°F (121°C)	*316L Stainless Steel* Part #
1"	2.56"	3.00"	1.00"	**500**	**300**	***SJSS100CC-20***
1½"	2.56"	3.00"	1.50"	**500**	**300**	***SJSS150CC-20***
2"	3.09"	3.00"	2.00"	**450**	**250**	***SJSS200CC-20***
2½"	3.44"	3.00"	2.50"	**400**	**200**	***SJSS250CC-20***
3"	3.94"	3.00"	3.00"	**350**	**175**	***SJSS300CC-20***
4"	5.08"	4.19"	4.00"	**300**	**150**	***SJSS400CC-20***



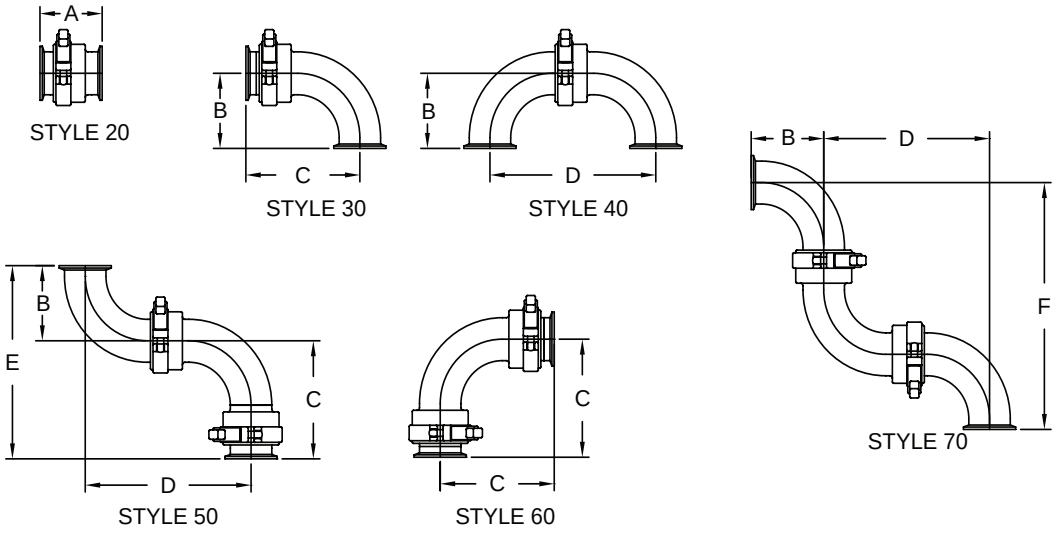
straight weld connection - style 20

Size	Dimensions A	B	C	Pressure Rating PSI @ 70°F (21°C)	Pressure Rating PSI @ 250°F (121°C)	*316L Stainless Steel* Part #
1"	2.56"	2.00"	1.00"	**500**	**300**	***SJSS100BB-20***
1½"	2.56"	2.00"	1.50"	**500**	**300**	***SJSS150BB-20***
2"	3.09"	2.00"	2.00"	**450**	**250**	***SJSS200BB-20***
2½"	3.44"	2.00"	2.50"	**400**	**200**	***SJSS250BB-20***
3"	3.94"	2.00"	3.00"	**350**	**175**	***SJSS300BB-20***
4"	5.08"	2.94"	4.00"	**300**	**150**	***SJSS400BB-20***



- dimensional information can be found at dixonvalve.com

Configurations



Clamp Joint Dimensions

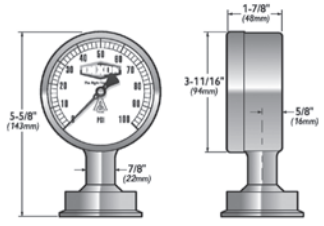
Size	A	B	C	D	E	F	Part Number
1"	3.00"	2.00"	4.00"	5.00"	6.00"	7.00"	***SJSS100CC-****
1½"	3.00"	2.75"	4.75"	6.50"	7.50"	9.25"	***SJSS150CC-****
2"	3.00"	3.50"	5.50"	8.00"	9.00"	11.50"	***SJSS200CC-****
2½"	3.00"	4.25"	6.25"	9.50"	10.50"	13.75"	***SJSS250CC-****
3"	3.00"	5.00"	7.00"	11.00"	12.00"	16.00"	***SJSS300CC-****
4"	5.19"	6.63"	9.63"	14.94"	15.94"	21.56"	***SJSS400CC-****

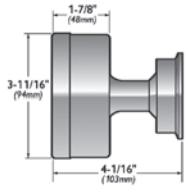
***** For all other styles, please contact Dixon Sanitary 800.789.1718

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Sanitary 3½" Pressure Gauges







Features:

- accuracy: ± 1.5% of full scale
- over range capacity: 30%
- wetted surfaces: 316L stainless steel
- surface finishes (wetted parts): R_a max = 25 microinches
- case material: 304 stainless steel
- dial size: 3½"
- lens material: polycarbonate
- temperature range: **0°F (-18°C)** to **250°F (121°C)**
- standard fill: food grade glycerin
- rezero feature: standard on pointer
- shipping weight: approximately 3 lbs. (1.3 kg)

Dial Size	Clamp Size	Pressure Range (PSI)	Mount	*316L Stainless Steel* Part #
3½"	1½"	**0-30**	bottom	***3S-B-15U-GFBTSS***
	1½"	**0-60**	bottom	***3S-C-15U-GFBTSS***
	1½"	**0-100**	bottom	***3S-D-15U-GFBTSS***
	1½"	**0-160**	bottom	***3S-E-15U-GFBTSS***
	1½"	**0-200**	bottom	***3S-F-15U-GFBTSS***
	1½"	**0-300**	bottom	***3S-G-15U-GFBTSS***
	1½"	**0-30**	back	***3S-B-15U-GFBKSS***
	1½"	**0-60**	back	***3S-C-15U-GFBKSS***
	1½"	**0-100**	back	***3S-D-15U-GFBKSS***
	1½"	**0-160**	back	***3S-E-15U-GFBKSS***
	1½"	**0-200**	back	***3S-F-15U-GFBKSS***
	1½"	**0-300**	back	***3S-G-15U-GFBKSS***
	2"	**0-30**	bottom	***3S-B-2U-GFBTSS***
	2"	**0-60**	bottom	***3S-C-2U-GFBTSS***
	2"	**0-100**	bottom	***3S-D-2U-GFBTSS***
	2"	**0-160**	bottom	***3S-E-2U-GFBTSS***
	2"	**0-200**	bottom	***3S-F-2U-GFBTSS***
	2"	**0-300**	bottom	***3S-G-2U-GFBTSS***
	2"	**0-30**	back	***3S-B-2U-GFBKSS***
	2"	**0-60**	back	***3S-C-2U-GFBKSS***
	2"	**0-100**	back	***3S-D-2U-GFBKSS***
	2"	**0-160**	back	***3S-E-2U-GFBKSS***
	2"	**0-200**	back	***3S-F-2U-GFBKSS***
	2"	**0-300**	back	***3S-G-2U-GFBKSS***

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Strainers

In-line - *BSCCQ*

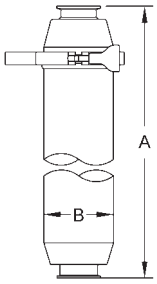
Features:
- ships standard with: spring, distributor cap, clamp gasket, ¼" perforated back-up tube, squeeze clamp, inlet and outlet bodies
- must be verticaly mounted to be 3A compliant
- bevel seat, I-line and weld ends available, call Dixon® for information
- ⅛" perforated back-up tube available, must specify when ordering (not 3A)



short

short

Size	Dimensions A	Dimensions B	*316L Stainless Steel* Part #
1"	15.75"	4.00"	***BSCCQ1-R100***
1½"	15.75"	4.00"	***BSCCQ1-R150***
2"	15.75"	4.00"	***BSCCQ1-R200***
2½"	15.75"	4.50"	***BSCCS1-R250***
3"	15.75"	4.50"	***BSCCS1-R300***

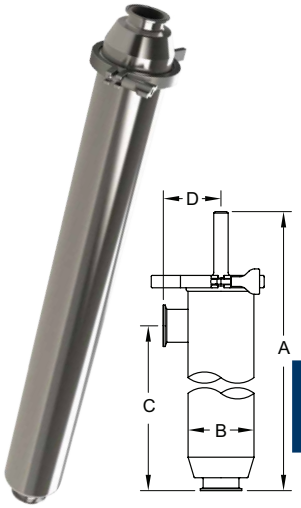


long

Size	Dimensions A	Dimensions B	*316L Stainless Steel* Part #
1½"	35.375"	4.00"	***BSCCQ2-R150***
2"	35.375"	4.00"	***BSCCQ2-R200***
3"	35.375"	4.50"	***BSCCS2-R300***

Side-Entry - *BSCCQ*

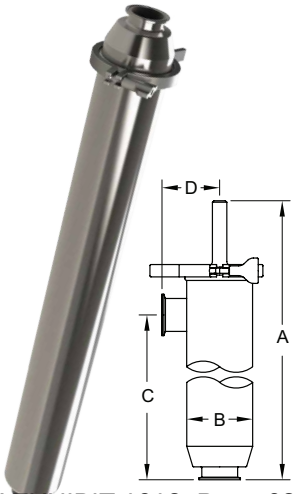
Features:
- ships standard with: spring, end cap with handle, distributor cap, clamp gasket, ¼" perforated back-up tube, body and squeeze clamp
- serviceable without removing from the line
- must be a verticaly mounted to be 3A compliant
- bevel seat, I-line and weld ends available, call Dixon® for information
- ⅛" perforated back-up tube available, must specify when ordering (not 3A certified)



Size	Dimensions A	Dimensions B	Dimensions C	Dimensions D	*316L Stainless Steel* Part #
1½"	41.90"	4.00"	35.00"	3.50"	***BSCCQ3-R150***
2"	41.90"	4.00"	35.00"	3.50"	***BSCCQ3-R200***
3"	41.90"	4.50"	35.00"	3.75"	***BSCCQ3-R300***

Side-Outlet Reverse - *BSCCQ*

Features:
- ships standard with: spring, end cap with handle, distributor cap, clamp gasket, ¼" perforated back-up tube, body and squeeze clamp
- ⅛" perforated back-up tube available (not 3A certified)
- bevel seat, I-line and weld ends available, call Dixon® for information
- can be serviced in-line



Size	Dimensions A	Dimensions B	Dimensions C	Dimensions D	*316L Stainless Steel* Part #
1½"	41.90"	4.00"	35.00"	3.50"	***BSCCQ4-R150***
2"	41.90"	4.00"	35.00"	3.50"	***BSCCQ4-R200***
3"	41.90"	4.50"	35.00"	3.75"	***BSCCQ4-R300***

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Strainers

Filters

Features:
- filter medium are special order and minimum quantities apply, not included with base unit
- filters require retaining ring

short

Size	Micron Rating	Description	Part #
1" - 2"	38	nonwoven rayon (glued seam)	***BF30A-100-200***
2½" - 3"	38	nonwoven rayon (glued seam)	***BF30A-250-300***
1" - 2"	513	woven knapped cotton flannel	***BF30B-100-200***
2½" - 3"	513	woven knapped cotton flannel	***BF30B-250-300***
1" - 2"	300	cheese cloth, single thickness cotton	***BF30C-100-200***
2½" - 3"	300	cheese cloth, single thickness cotton	***BF30C-250-300***
1" - 2"	765	nylon, 26/29 mesh, rectangular opening, (.025 x .030)	***BF30D-100-200***
2½" - 3"	765	nylon, 26/29 mesh, rectangular opening, (.025 x .030)	***BF30D-250-300***
1" - 2"	40-42	nonwoven rayon	***BF30E-100-200***
2½" - 3"	40-42	nonwoven rayon	***BF30E-250-300***
1" - 2"	40	nonwoven rayon	***---***
1" - 2"	420	woven nylon, 40 mesh	***BF30G-100-200***
2½" - 3"	420	woven nylon, 40 mesh	***BF30G-250-300***

long

Size	Micron Rating	Description	Part #
1" - 2"	40-42	nonwoven rayon	***BF302E-100-200***
2½" - 3"	40-42	nonwoven rayon	***BF302E-250-300***
2½" - 3"	420	woven nylon, 40 mesh	***BF302G-250-300***

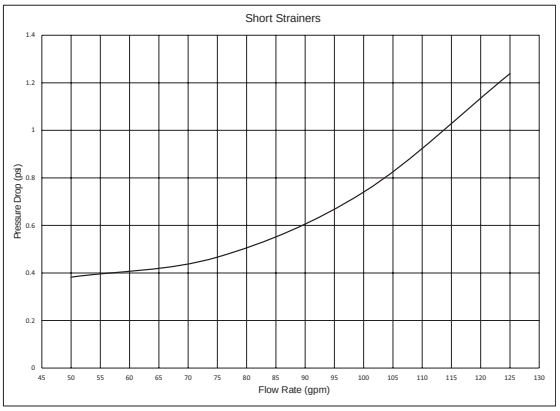
316 Stainless Wire Cloth Mesh Over Screens

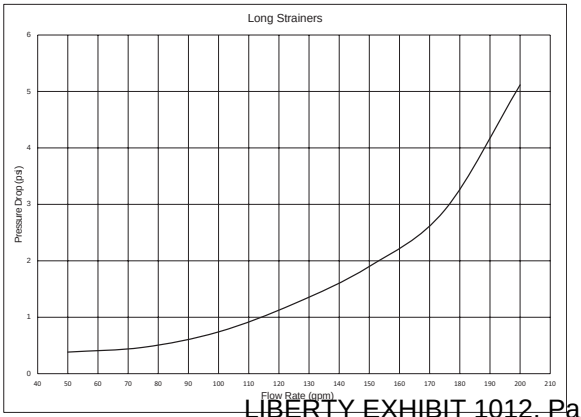
Features:
- not all sizes are stocked, additional sizes are available (5 piece minimum), call Dixon®
- not 3A compatible, not included with base unit

Size	Micron Rating	Square Mesh	Space Between Wires	Percent of Open Area	Short Part #	Long Part #
1" - 2"	864	20	0.034"	46.2	***BS20-100-200***	***BS202-100-200***
2½" - 3"	864	20	0.034"	46.2	***BS20-250-300***	***BS202-250-300***
1" - 2"	381	40	0.015"	36.0	***BS40-100-200***	***BS402-100-200***
2½" - 3"	381	40	0.015"	36.0	***BS40-250-300***	***BS402-250-300***
1" - 2"	229	60	0.009"	30.3	***BS60-100-200***	***BS602-100-200***
2½" - 3"	229	60	0.009"	30.3	***BS60-250-300***	***BS602-250-300***
1" - 2"	178	80	0.007"	31.4	***BS80-100-200***	***BS802-100-200***
2½" - 3"	178	80	0.007"	31.4	***BS80-250-300***	***BS802-250-300***
1" - 2"	140	100	0.006"	30.3	***BS100-100-200***	***BS1002-100-200***
2½" - 3"	140	100	0.006"	30.3	***BS100-250-300***	***BS1002-250-300***

Pressure Drop Curves for Filter and Strainer

- water at ambient temperature
- maximum flow for short units is 125 GPM
- maximum flow for long units is 175 GPM





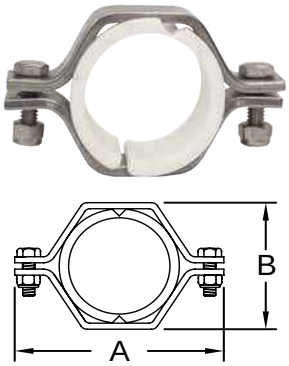
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Tube Hangers

Hex with ABS Sleeve - *B24PS*

Feature:
- maximum temperature: **230°F (110°C)**

Tube OD	Dimensions A	Dimensions B	*304 Stainless Steel* Part #
½"	2.800"	1.150"	***B24PS-G50***
¾"	2.800"	1.150"	***B24PS-G75***
1"	3.425"	1.450"	***B24PS-G100***
1½"	4.000"	2.125"	***B24PS-G150***
2"	4.500"	2.500"	***B24PS-G200***
2½"	4.950"	3.125"	***B24PS-G250***
3"	5.500"	3.750"	***B24PS-G300***
4"	6.950"	4.750"	***B24PS-G400***
5"	8.063"	5.625"	***B24PS-G500***
6"	9.250"	6.625"	***B24PS-G600***
8"	11.500"	8.625"	***B24PS-G800***

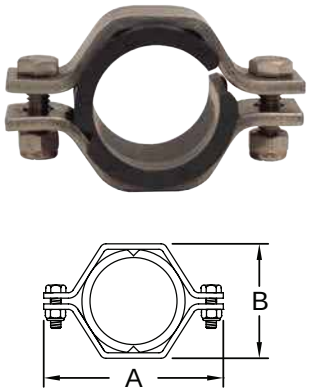


Hex with High Temperature Polysulfone Sleeve - *B24HS*

NEW

Specification:
- high temperature sleeve maximum temperature: **325°F (163°C)**

Tube OD	Dimensions A	Dimensions B	*304 Stainless Steel* Part Number
1/2"	2.375"	1.062"	***B24HS-G50***
3/4"	2.625"	1.188"	***B24HS-G75***
1"	2.688"	1.563"	***B24HS-G100***
1 1/2"	3.625"	2.125"	***B24HS-G150***
2"	4.625"	2.625"	***B24HS-G200***
2 1/2"	4.813"	3.125"	***B24HS-G250***
3"	5.375"	3.625"	***B24HS-G300***
4"	6.625"	4.625"	***B24HS-G400***
6"	9.000"	6.625"	***B24HS-G600***



Sleeves - *13PS*

Features:
- maximum temperature: **230°F (110°C)**
- high temperature sleeves are also available, contact Dixon®

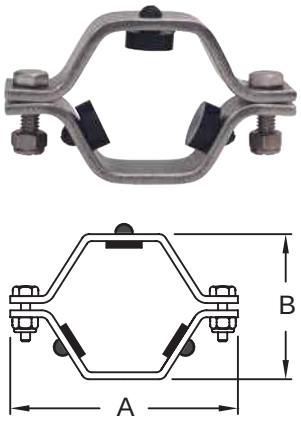
Size	*ABS* Part #	*High Temperature* Part # NEW
½"	***13PS-50***	***13HS-50***
¾"	***13PS-75***	***13HS-75***
1"	***13PS-100***	***13HS-100***
1½"	***13PS-150***	***13HS-150***
2"	***13PS-200***	***13HS-200***
2½"	***13PS-250***	***13HS-250***
3"	***13PS-300***	***13HS-300***
4"	***13PS-400***	***13HS-400***
5"	***13PS-500***	---
6"	***13PS-600***	***13HS-600***
8"	***13PS-800***	---



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Tube Hangers

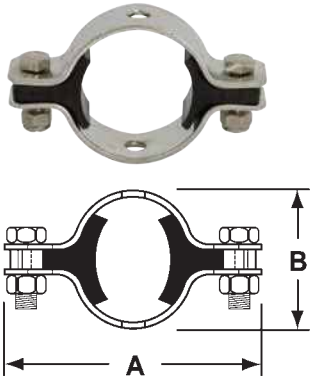
Hex with Nitrile Grommets - *B24RG*



Features:
- replacement grommets are available, contact Dixon®
- nitrile grommets; maximum temperature: **230°F (110°C)**

Tube OD	Dimensions A	Dimensions B	*304 Stainless Steel* Part #
½" - ¾"	3.425"	1.450"	***B24RG-G75***
1"	3.425"	1.450"	***B24RG-G100***
1½"	4.000"	2.125"	***B24RG-G150***
2"	4.500"	2.500"	***B24RG-G200***
2½"	4.950"	3.125"	***B24RG-G250***
3"	5.500"	3.750"	***B24RG-G300***
4"	6.950"	4.750"	***B24RG-G400***
5"	8.000"	5.625"	***B24RG-G500***
6"	9.250"	6.625"	***B24RG-G600***
8"	11.500"	8.625"	***B24RG-G800***

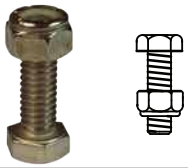
Round with Nitrile Inserts - *B24RPH*



Feature:
- Nitrile inserts
- maximum temperature: **230°F (110°C)**

Tube OD	Dimensions A	Dimensions B	*304 Stainless Steel* Part #
½"	2.750"	1.125"	***B24RPH-G50***
¾"	2.750"	1.125"	***B24RPH-G75***
1"	3.310"	1.500"	***B24RPH-G100***
1½"	3.810"	2.000"	***B24RPH-G150***
2"	4.250"	2.562"	***B24RPH-G200***
2½"	5.000"	3.000"	***B24RPH-G250***
3"	5.500"	3.562"	***B24RPH-G300***
4"	6.500"	4.688"	***B24RPH-G400***

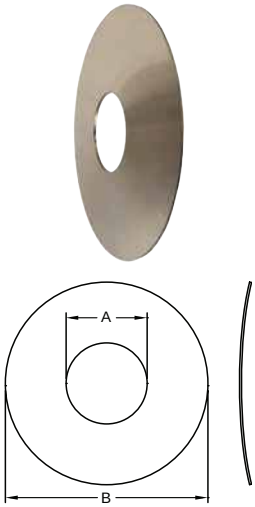
Nuts and Bolts - *13NHN*



Features:
- hex hangers with grommets and round hangers 1" to 4" use 13NHN-G100-600 fastener sets
- ½" and ¾" round and sleeved hangers use 13NHN-G75 fastener sets
- 2 nuts and bolts supplied to a set

Size	Description	*304 Stainless Steel* Part #
½" - ¾"	¼"-20 x ¾" bolt with nylock nut	***13NHN-G75***
1" - 12"	5/16"-18 x 1" bolt with nylock nut	***13NHN-G100-600***

Wall Flanges - *B25*



Tube OD	Dimensions A	Dimensions B	Wall Thickness	*304 Stainless Steel* Part #
½"	.50"	3.00"	.065"	***B25-G050300***
½"	.50"	5.00"	.065"	***B25-G050500***
¾"	.75"	3.00"	.065"	***B25-G075300***
¾"	.75"	5.00"	.065"	***B25-G075500***
1"	1.00"	3.00"	.065"	***B25-G100300***
1"	1.00"	5.00"	.065"	***B25-G100500***
1½"	1.50"	5.00"	.065"	***B25-G150500***
2"	2.00"	5.00"	.065"	***B25-G200500***
2½"	2.50"	5.00"	.065"	***B25-G250500***
3"	3.00"	6.00"	.065"	***B25-G300600***
4"	4.00"	7.00"	.065"	NEW ***B25-G400700***
5"	5.00"	8.00"	.065"	***B25-G500800***
6"	6.00"	10.00"	.065"	***B25-G6001000***
8"	8.00"	12.00"	.065"	***B25-G8001200***
10"	10.00"	14.00"	.065"	***B25-G10001400***
12"	12.00"	16.00"	.065"	***B25-G12001600***

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90° Weld Elbows - *T2S*

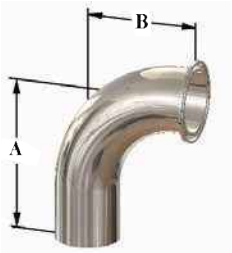
Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	3.00"	***T2S-050PL***	***T2S-050PM***
¾"	3.00"	***T2S-075PL***	***T2S-075PM***
1"	3.00"	***T2S-100PL***	***T2S-100PM***
1½"	3.75"	***T2S-150PL***	***T2S-150PM***
2"	4.75"	***T2S-200PL***	***T2S-200PM***
2½"	5.50"	***T2S-250PL***	***T2S-250PM***
3"	6.25"	***T2S-300PL***	***T2S-300PM***
4"	8.00"	***T2S-400PL***	***T2S-400PM***



BPE Table DT-4.1.1-1

90° Clamp x Weld Elbows - *T2CM*

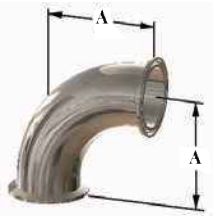
Size	Dimensions A	Dimensions B	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	3.00"	1.625"	***T2CM-050PL***	***T2CM-050PM***
¾"	3.00"	1.625"	***T2CM-075PL***	***T2CM-075PM***
1"	3.00"	2.000"	***T2CM-100PL***	***T2CM-100PM***
1½"	3.75"	2.750"	***T2CM-150PL***	***T2CM-150PM***
2"	4.75"	3.500"	***T2CM-200PL***	***T2CM-200PM***
2½"	5.50"	4.250"	***T2CM-250PL***	***T2CM-250PM***
3"	6.25"	5.000"	***T2CM-300PL***	***T2CM-300PM***
4"	8.00"	6.625"	***T2CM-400PL***	***T2CM-400PM***



BPE Table DT-4.1.1-2

90° Clamp x Clamp Elbows - *T2CMP*

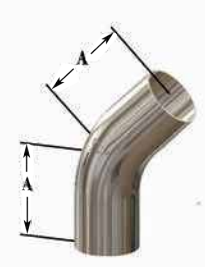
Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	1.625"	***T2CMP-050PL***	***T2CMP-050PM***
¾"	1.625"	***T2CMP-075PL***	***T2CMP-075PM***
1"	2.000"	***T2CMP-100PL***	***T2CMP-100PM***
1½"	2.750"	***T2CMP-150PL***	***T2CMP-150PM***
2"	3.500"	***T2CMP-200PL***	***T2CMP-200PM***
2½"	4.250"	***T2CMP-250PL***	***T2CMP-250PM***
3"	5.000"	***T2CMP-300PL***	***T2CMP-300PM***
4"	6.625"	***T2CMP-400PL***	***T2CMP-400PM***



BPE Table DT-4.11.1-3

45° Weld Elbows - *T2KS*

Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	2.250"	***T2KS-050PL***	***T2KS-050PM***
¾"	2.250"	***T2KS-075PL***	***T2KS-075PM***
1"	2.250"	***T2KS-100PL***	***T2KS-100PM***
1½"	2.500"	***T2KS-150PL***	***T2KS-150PM***
2"	3.000"	***T2KS-200PL***	***T2KS-200PM***
2½"	3.375"	***T2KS-250PL***	***T2KS-250PM***
3"	3.625"	***T2KS-300PL***	***T2KS-300PM***
4"	4.500"	***T2KS-400PL***	***T2KS-400PM***



BPE Table DT-4.1.1-4

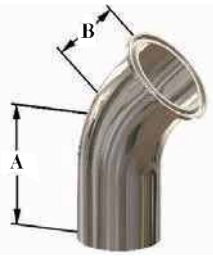
PL Finish – SF1
OD = 32R_a Mechanically Polished
ID = 20R_a Mechanically Polished

PM Finish – SF4
OD = 32R_a Mechanically Polished
ID = 15R_a Mechanically Polished and Electropolished

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45° Clamp x Weld Elbows - *T2KM*



BPE Table DT-4.1.1-5

Size	Dimensions A	Dimensions B	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	2.250"	1.000"	***T2KM-050PL***	***T2KM-050PM***
¾"	2.250"	1.000"	***T2KM-075PL***	***T2KM-075PM***
1"	2.250"	1.125"	***T2KM-100PL***	***T2KM-100PM***
1½"	2.500"	1.438"	***T2KM-150PL***	***T2KM-150PM***
2"	3.000"	1.750"	***T2KM-200PL***	***T2KM-200PM***
2½"	3.375"	2.063"	***T2KM-250PL***	***T2KM-250PM***
3"	3.625"	2.380"	***T2KM-300PL***	***T2KM-300PM***
4"	4.500"	3.125"	***T2KM-400PL***	***T2KM-400PM***

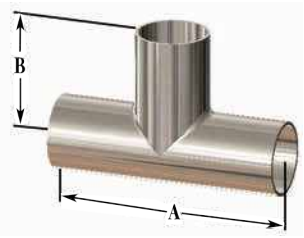
45° Clamp x Clamp Elbows - *T2KMP*



BPE Table DT-4.1.1-6

Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	1.000"	***T2KMP-050PL***	***T2KMP-050PM***
¾"	1.000"	***T2KMP-075PL***	***T2KMP-075PM***
1"	1.125"	***T2KMP-100PL***	***T2KMP-100PM***
1½"	1.438"	***T2KMP-150PL***	***T2KMP-150PM***
2"	1.750"	***T2KMP-200PL***	***T2KMP-200PM***
2½"	2.063"	***T2KMP-250PL***	***T2KMP-250PM***
3"	2.380"	***T2KMP-300PL***	***T2KMP-300PM***
4"	3.125"	***T2KMP-400PL***	***T2KMP-400PM***

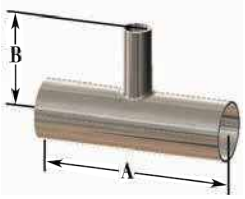
Weld x Weld x Weld Tees - *T7WWW*



BPE Table DT-4.1.2-1

Size	Dimensions A	Dimensions B	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	3.750"	1.875"	***T7WWW-050PL***	***T7WWW-050PM***
¾"	4.000"	2.000"	***T7WWW-075PL***	***T7WWW-075PM***
1"	4.250"	2.125"	***T7WWW-100PL***	***T7WWW-100PM***
1½"	4.750"	2.375"	***T7WWW-150PL***	***T7WWW-150PM***
2"	5.750"	2.875"	***T7WWW-200PL***	***T7WWW-200PM***
2½"	6.250"	3.125"	***T7WWW-250PL***	***T7WWW-250PM***
3"	6.750"	3.375"	***T7WWW-300PL***	***T7WWW-300PM***
4"	8.250"	4.125"	***T7WWW-400PL***	***T7WWW-400PM***

Weld x Weld x Weld Reducing Tees - *T7RWWW*



BPE Table DT-4.1.2-6

Size	Dimensions A	Dimensions B	*PL finish - SF1* Part #	*PM finish - SF4* Part #
¾" x ½"	4.000"	2.000"	***T7RWWW-075050PL***	***T7RWWW-075050PM***
1" x ½"	4.250"	2.125"	***T7RWWW-100050PL***	***T7RWWW-100050PM***
1" x ¾"	4.250"	2.125"	***T7RWWW-100075PL***	***T7RWWW-100075PM***
1½" x ½"	4.750"	2.375"	***T7RWWW-150050PL***	***T7RWWW-150050PM***
1½" x ¾"	4.750"	2.375"	***T7RWWW-150075PL***	***T7RWWW-150075PM***
1½" x 1"	4.750"	2.375"	***T7RWWW-150100PL***	***T7RWWW-150100PM***
2" x ½"	5.750"	2.625"	***T7RWWW-200050PL***	***T7RWWW-200050PM***
2" x ¾"	5.750"	2.625"	***T7RWWW-200075PL***	***T7RWWW-200075PM***
2" x 1"	5.750"	2.625"	***T7RWWW-200100PL***	***T7RWWW-200100PM***
2" x 1½"	5.750"	2.625"	***T7RWWW-200150PL***	***T7RWWW-200150PM***

PL Finish – SF1
OD = 32R_a Mechanically Polished
ID = 20R_a Mechanically Polished

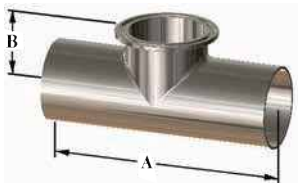
PM Finish – SF4
OD = 32R_a Mechanically Polished
ID = 15R_a Mechanically Polished and Electropolished

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Weld x Weld x Clamp Short Outlet Tees - *T7WWMS*

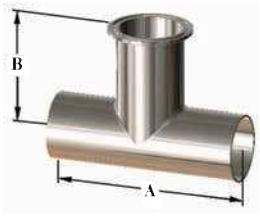
Size	Dimensions A	Dimensions B	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	3.750"	1.000"	***T7WWMS-050PL***	***T7WWMS-050PM***
¾"	4.000"	1.125"	***T7WWMS-075PL***	***T7WWMS-075PM***
1"	4.250"	1.125"	***T7WWMS-100PL***	***T7WWMS-100PM***
1½"	4.750"	1.375"	***T7WWMS-150PL***	***T7WWMS-150PM***
2"	5.750"	1.625"	***T7WWMS-200PL***	***T7WWMS-200PM***
2½"	6.250"	1.825"	***T7WWMS-250PL***	***T7WWMS-250PM***
3"	6.750"	2.125"	***T7WWMS-300PL***	***T7WWMS-300PM***
4"	8.250"	2.750"	***T7WWMS-400PL***	***T7WWMS-400PM***



BPE Table DT-4.1.2-2

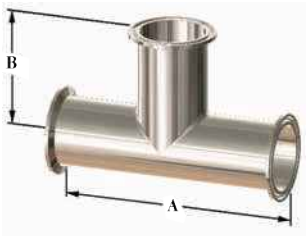
Weld x Weld x Clamp Tees - *T7WWM*

Size	Dimensions A	Dimensions B	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	3.750"	2.250"	***T7WWM-050PL***	***T7WWM-050PM***
¾"	4.000"	2.375"	***T7WWM-075PL***	***T7WWM-075PM***
1"	4.250"	2.625"	***T7WWM-100PL***	***T7WWM-100PM***
1½"	4.750"	2.875"	***T7WWM-150PL***	***T7WWM-150PM***
2"	5.750"	3.375"	***T7WWM-200PL***	***T7WWM-200PM***
2½"	6.250"	3.625"	***T7WWM-250PL***	***T7WWM-250PM***
3"	6.750"	3.875"	***T7WWM-300PL***	***T7WWM-300PM***
4"	8.250"	4.750"	***T7WWM-400PL***	***T7WWM-400PM***



Clamp x Clamp x Clamp Tees - *T7MP*

Size	Dimensions A	Dimensions B	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	4.500"	2.250"	***T7MP-050PL***	***T7MP-050PM***
¾"	4.750"	2.375"	***T7MP-075PL***	***T7MP-075PM***
1"	5.250"	2.625"	***T7MP-100PL***	***T7MP-100PM***
1½"	5.750"	2.875"	***T7MP-150PL***	***T7MP-150PM***
2"	6.750"	3.375"	***T7MP-200PL***	***T7MP-200PM***
2½"	7.250"	3.625"	***T7MP-250PL***	***T7MP-250PM***
3"	7.750"	3.875"	***T7MP-300PL***	***T7MP-300PM***
4"	9.500"	4.750"	***T7MP-400PL***	***T7MP-400PM***



BPE Table DT-4.1.2-4

PL Finish – SF1
OD = 32R_a Mechanically Polished
ID = 20R_a Mechanically Polished

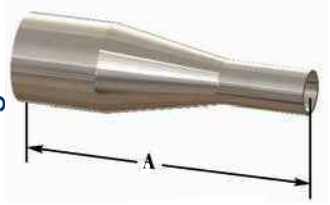
PM Finish – SF4
OD = 32R_a Mechanically Polished
ID = 15R_a Mechanically Polished and Electropolished

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High Purity BioPharm Fittings

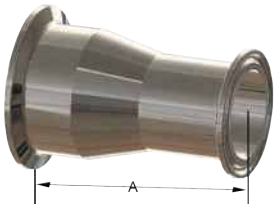
Weld x Weld Concentric Reducers - *T31W*



BPE Table DT-4.1.3-1(a)

Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
¾" x ½"	4.00"	***2211CBB075050F1***	***2211CBB075050F4***
1" x ½"	4.50"	***2211CBB100050F1***	***2211CBB100050F4***
1" x ¾"	4.00"	***2211CBB100075F1***	***2211CBB100075F4***
1½" x ¾"	5.00"	***2211CBB150075F1***	***2211CBB150075F4***
1½" x 1"	5.00"	***2211CBB150100F1***	***2211CBB150100F4***
2" x 1"	7.25"	***2211CBB200100F1***	***2211CBB200100F4***
2" x 1½"	5.25"	***2211CBB200150F1***	***2211CBB200150F4***

Clamp x Clamp Concentric Reducers - *T3114MP*



BPE Table DT-4.1.3-3(a)

Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
¾" x ½"	2.000"	***2221CBB075050F1***	***2221CBB075050F4***
1" x ½"	2.500"	***2221CBB100050F1***	***2221CBB100050F4***
1" x ¾"	2.000"	***2221CBB100075F1***	***2221CBB100075F4***
1½" x ¾"	3.000"	***2221CBB150075F1***	***2221CBB150075F4***
1½" x 1"	3.000"	***2221CBB150100F1***	***2221CBB150100F4***
2" x 1"	5.000"	***2221CBB200100F1***	***2221CBB200100F4***
2" x 1½"	3.000"	***2221CBB200150F1***	***2221CBB200150F4***

PL Finish – SF1
OD = 32R_a Mechanically Polished
ID = 20R_a Mechanically Polished

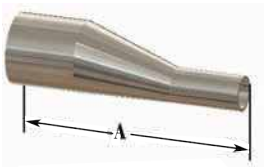
PM Finish – SF4
OD = 32R_a Mechanically Polished
ID = 15R_a Mechanically Polished and Electropolished

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High Purity BioPharm Fittings

Weld x Weld Eccentric Reducers - *T32W*

Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
¾" x ½"	4.00"	***2211EBB075050F1***	***2211EBB075050F4***
1" x ½"	4.50"	***2211EBB100050F1***	***2211EBB100050F4***
1" x ¾"	4.00"	***2211EBB100075F1***	***2211EBB100075F4***
1½" x ¾"	5.00"	***2211EBB150075F1***	***2211EBB150075F4***
1½" x 1"	5.00"	***2211EBB150100F1***	***2211EBB150100F4***
2" x 1"	7.25"	***2211EBB200100F1***	***2211EBB200100F4***
2" x 1½"	5.25"	***2211EBB200150F1***	***2211EBB200150F4***



BPE Table DT-4.1.3-1(a)

Clamp x Clamp Eccentric Reducers - *T3214MP*

Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
¾" x ½"	2.000"	***2221EBB075050F1***	***2221EBB075050F4***
1" x ½"	2.500"	***2221EBB100050F1***	***2221EBB100050F4***
1" x ¾"	2.000"	***2221EBB100075F1***	***2221EBB100075F4***
1½" x ¾"	3.000"	***2221EBB150075F1***	***2221EBB150075F4***
1½" x 1"	3.000"	***2221EBB150100F1***	***2221EBB150100F4***
2" x 1"	5.000"	***2221EBB200100F1***	***2221EBB200100F4***
2" x 1½"	3.000"	***2221EBB200150F1***	***2221EBB200150F4***



BPE Table DT-4.1.3-3(a)

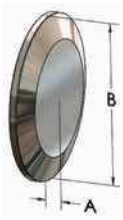
PL Finish – SF1
OD = 32R_a Mechanically Polished
ID = 20R_a Mechanically Polished

PM Finish – SF4
OD = 32R_a Mechanically Polished
ID = 15R_a Mechanically Polished and Electropolished

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High Purity BioPharm Fittings

Solid End Caps - *T16AMP*



BPE Table DT-4.1.5-2

Size	Dimensions A	Dimensions B	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½" - ¾"	0.19"	0.98"	***T16AMP-050075PL***	***T16AMP-050075PM***
1" - 1½"	0.25"	1.98"	***T16AMP-100150PL***	***T16AMP-100150PM***
2"	0.25"	2.52"	***T16AMP-200PL***	***T16AMP-200PM***
2½"	0.25"	3.05"	***T16AMP-250PL***	***T16AMP-250PM***
3"	0.25"	3.58"	***T16AMP-300PL***	***T16AMP-300PM***
4"	0.31"	4.68"	***T16AMP-400PL***	***T16AMP-400PM***

Auto Weld Ferrules - *TL14AM7*



BPE Table DT-4.1.4-1

Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	1.75"	***TL14AM7-050PL***	***TL14AM7-050PM***
¾"	1.75"	***TL14AM7-075PL***	***TL14AM7-075PM***
1"	1.75"	***TL14AM7-100PL***	***TL14AM7-100PM***
1½"	1.75"	***TL14AM7-150PL***	***TL14AM7-150PM***
2"	2.25"	***TL14AM7-200PL***	***TL14AM7-200PM***
2½"	2.25"	***TL14AM7-250PL***	***TL14AM7-250PM***
3"	2.25"	***TL14AM7-300PL***	***TL14AM7-300PM***
4"	2.25"	***TL14AM7-400PL***	***TL14AM7-400PM***

Weld Caps - *T16W*



BPE Table DT-4.1.5-1

Size	Dimension A	*PL finish - SF1* Part #	*PM finish - SF4* Part #
½"	1.50"	***T16W-050PL***	***T16W-050PM***
¾"	1.50"	***T16W-075PL***	***T16W-075PM***
1"	1.50"	***T16W-100PL***	***T16W-100PM***
1½"	1.50"	***T16W-150PL***	***T16W-150PM***
2"	1.50"	***T16W-200PL***	***T16W-200PM***

PL Finish – SF1
OD = 32R_a Mechanically Polished
ID = 20R_a Mechanically Polished

PM Finish – SF4
OD = 32R_a Mechanically Polished
ID = 15R_a Mechanically Polished and Electropolished

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2-Way 3 Piece Encapsulated Ball Valves

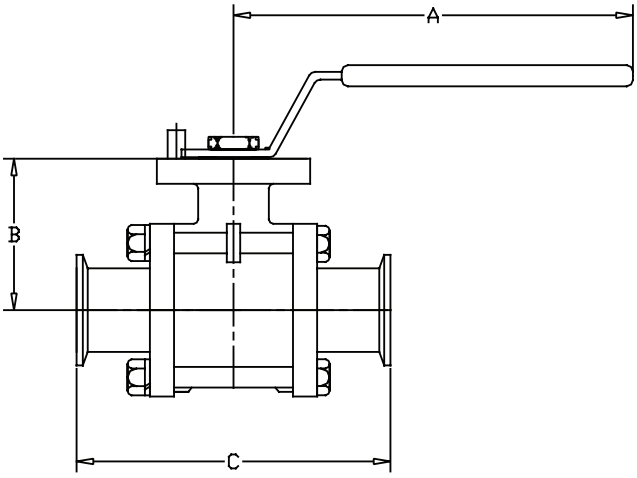
Materials:
- body, ends and ball: CF8M stainless
- seats: virgin PTFE, 15% glass reinforced RTFE, 25% carbon reinforced PTFE, 50% stainless steel reinforced PTFE or UHMW

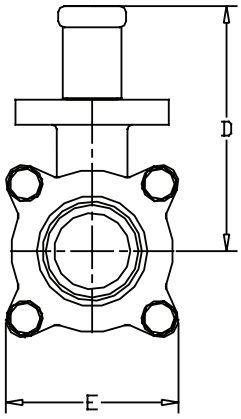
Features:
- live-loaded stem packing
- precision stainless steel balls reduce torque and friction losses while extending seat life
- integral ISO 5211 mounting pad
- ID polish is R_a 32 minimum
- lockable handle can prevent accidental actuation
- standard internal entry blow out proof stem design
- full port design matches ball and seat ports to tube ID for lower pressure drop and less turbulent flow
- compact design for areas with tight space restrictions
- fully encapsulated construction produces bubble tight seal
- identification tagging available
- balanced encapsulated construction minimizes cold flow

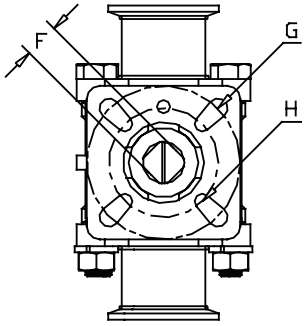


Specifications:
- maximum pressure rating: ½" - 2" **1000 PSI** WOG, 2½" - 4" **800 PSI** WOG

- for valves seat options, call Dixon
- repair kits available







Size	Dimensions								*316 Stainless Steel* Part #
	A	B	C	D	E	F (mm)	G (mm)	H (mm)	
½"	4.9"	1.5"	4.3"	3.1"	2.0"	9	42	36	***BV2CV-050CC-A***
¾"	4.9"	1.8"	4.7"	3.4"	2.2"	9	42	36	***BV2CV-075CC-A***
1"	5.4"	2.1"	4.9"	3.6"	2.4"	11	50	42	***BV2CV-100CC-A***
1½"	9.3"	2.7"	5.6"	4.4"	3.2"	14	70	50	***BV2CV-150CC-A***
2"	9.3"	3.1"	6.4"	4.7"	3.8"	14	70	50	***BV2CV-200CC-A***
2½"	18.0"	3.8"	7.8"	5.2"	4.9"	17	102	70	***BV2CV-250CC-A***
3"	18.3"	4.2"	9.0"	5.7"	5.4"	17	102	70	***BV2CV-300CC-A***
4"	18.3"	5.3"	9.6"	6.9"	8.7"	22	125	102	***BV2CV-400CC-A***

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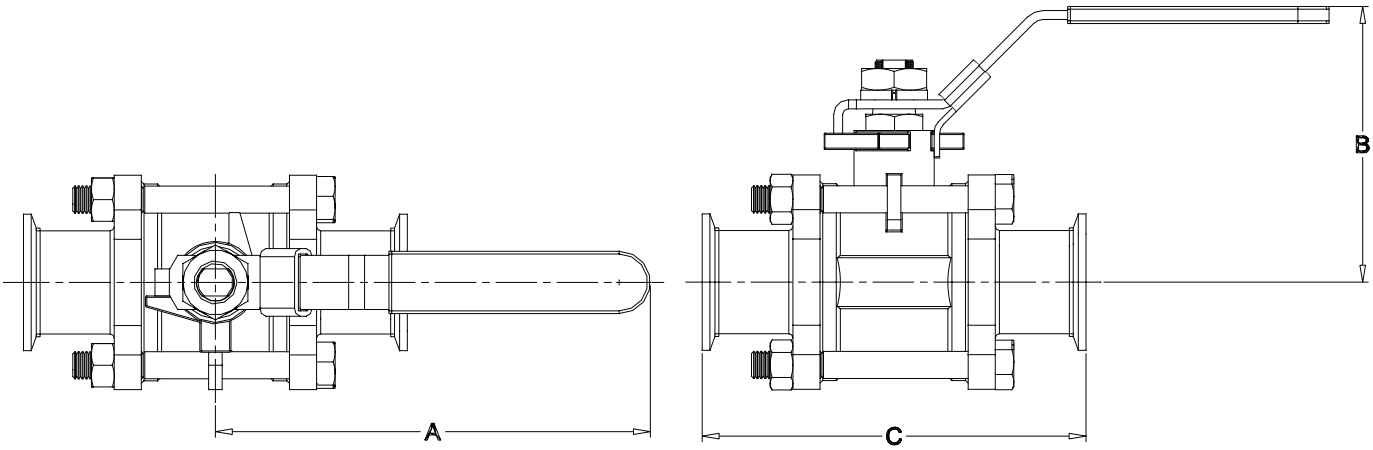
Non-Encapsulated 2-way 3 Piece Stainless Steel Ball Valves



Materials:
- body, ends and ball**:** CF8M stainless
- seats: 15% glass reinforced PTFE

Features:
- blow-out proof stem
- live-loaded stem packing
- ID polish is R_a 32
- lockable handle

Specifications:
- maximum pressure rating: ½" - 2" **1000 PSI** WOG, 2½" - 4" **800 PSI** WOG
- maximum temperature: **300°F (149°C)**
- repair kits available



Size	Dimensions A	B	C	*316 Stainless Steel* Part #
½"	4.1"	2.3"	4.6"	***BV2GG-050CC-A***
¾"	4.1"	2.5"	4.7"	***BV2GG-075CC-A***
1"	5.0"	2.8"	4.9"	***BV2GG-100CC-A***
1½"	6.1"	3.5"	5.6"	***BV2GG-150CC-A***
2"	7.6"	3.9"	6.4"	***BV2GG-200CC-A***
2½"	7.6"	4.4"	7.8"	***BV2GG-250CC-A***
3"	10.9"	4.9"	9.0"	***BV2GG-300CC-A***
4"	13.2"	6.6"	9.6"	***BV2GG-400CC-A***

Dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

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Butterfly Valves

Materials:
- body and disc: 316L
- seat: EPDM, FKM, (6" EPDM and silicone, 8" EPDM only)

Features:
- low resistance to flow
- bi-directions flow
- gentle to media
- suitable for low and medium viscosity fluids
- can be serviced in the field
- self-draining
- various manual or automatic operators available, call Dixon Sanitary for details 800.789.1718
- optional wing nut kit is available for easy assembly and disassembly
- 100% hydraulic tested / 100% inspected

Specifications:
- vacuum rating: 0.4 inches Hg at **68°F (20°C)**
- operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**

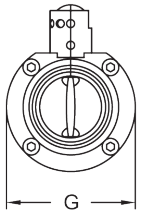
Clamp End with Pull Handle - [A]

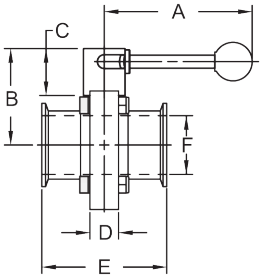
Size	*316L Stainless Steel with Silicone Seats* Part #	*316L Stainless Steel with FKM Seats* Part #	*316L Stainless Steel with EPDM Seats* Part #
½"	***B5101S050CC-A***	***B5101V050CC-A***	***B5101E050CC-A***
¾"	***B5101S075CC-A***	***B5101V075CC-A***	***B5101E075CC-A***
1"	***B5101S100CC-A***	***B5101V100CC-A***	***B5101E100CC-A***
1½"	***B5101S150CC-A***	***B5101V150CC-A***	***B5101E150CC-A***
2"	***B5101S200CC-A***	***B5101V200CC-A***	***B5101E200CC-A***
2½"	***B5101S250CC-A***	***B5101V250CC-A***	***B5101E250CC-A***
3"	***B5101S300CC-A***	***B5101V300CC-A***	***B5101E300CC-A***
4" [1]	***B5101S400CC-A***	***B5101V400CC-A***	***B5101E400CC-A***
6"	***B5101S600CC-A***	***---***	***B5101E600CC-A***
8"	***---***	***---***	***B5101E800CC-A***



[1] 4" high pressure butterfly valve is available, call Dixon® for more information

Size	Dimensions A	B	C	D	E	F	G
½"	4.4"	2.8"	1.4"	0.9"	3.5"	.37"	3.1"
¾"	4.4"	2.8"	1.4"	0.9"	3.5"	.62"	3.1"
1"	4.4"	2.8"	1.4"	0.9"	3.5"	0.9"	3.1"
1½"	4.4"	2.8"	1.4"	0.9"	3.5"	1.4"	3.1"
2"	4.4"	3.1"	1.4"	0.9"	3.8"	1.9"	3.9"
2½"	4.4"	3.5"	1.4"	0.9"	3.8"	2.4"	4.6"
3"	6.2"	3.8"	1.3"	1.2"	4.1"	2.9"	5.2"
4"	6.2"	4.5"	1.3"	1.2"	4.8"	3.8"	6.7"
6"	11.5"	5.5"	1.3"	1.2"	5.5"	5.8"	8.5"
8"	18.0"	6.9"	1.6"	1.2"	4.9"	7.8"	11.2"



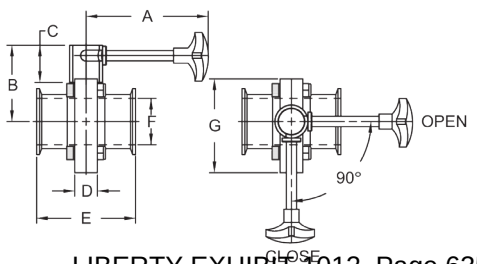


Clamp End with Infinite Position Handle - [B]

Size	*316L Stainless Steel with Silicone Seats* Part #	*316L Stainless Steel with FKM Seats* Part #	*316L Stainless Steel with EPDM Seats* Part #
½"	***B5101S050CC-B***	***B5101V050CC-B***	***B5101E050CC-B***
¾"	***B5101S075CC-B***	***B5101V075CC-B***	***B5101E075CC-B***
1"	***B5101S100CC-B***	***B5101V100CC-B***	***B5101E100CC-B***
1½"	***B5101S150CC-B***	***B5101V150CC-B***	***B5101E150CC-B***
2"	***B5101S200CC-B***	***B5101V200CC-B***	***B5101E200CC-B***
2½"	***B5101S250CC-B***	***B5101V250CC-B***	***B5101E250CC-B***
3"	***B5101S300CC-B***	***B5101V300CC-B***	***B5101E300CC-B***
4"	***B5101S400CC-B***	***B5101V400CC-B***	***B5101E400CC-B***



Size	Dimensions A	B	C	D	E	F	G
½"	4.3"	2.6"	1.3"	0.9"	3.5"	.37"	3.1"
¾"	4.3"	2.6"	1.3"	0.9"	3.5"	.62"	3.1"
1"	4.3"	2.6"	1.3"	0.9"	3.5"	.90"	3.1"
1½"	4.3"	2.6"	1.3"	0.9"	3.5"	1.40"	3.1"
2"	4.3"	2.9"	1.3"	0.9"	3.8"	1.90"	3.9"
2½"	4.3"	3.3"	1.3"	0.9"	3.8"	2.40"	4.6"
3"	6.4"	3.6"	1.3"	1.2"	4.1"	2.90"	5.2"
4"	6.4"	4.4"	1.3"	1.2"	4.8"	3.80"	6.7"

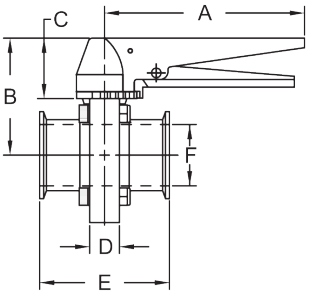


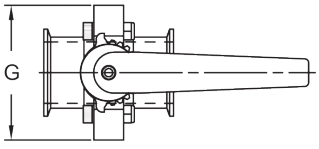
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Butterfly Valves

Clamp End with Trigger Handle - [C]







Size	*316L Stainless Steel with Silicone Seats* Part #	*316L Stainless Steel with FKM Seats* Part #	*316L Stainless Steel with EPDM Seats* Part #
½"	***B5101S050CC-C***	***B5101V050CC-C***	***B5101E050CC-C***
¾"	***B5101S075CC-C***	***B5101V075CC-C***	***B5101E075CC-C***
1"	***B5101S100CC-C***	***B5101V100CC-C***	***B5101E100CC-C***
1½"	***B5101S150CC-C***	***B5101V150CC-C***	***B5101E150CC-C***
2"	***B5101S200CC-C***	***B5101V200CC-C***	***B5101E200CC-C***
2½"	***B5101S250CC-C***	***B5101V250CC-C***	***B5101E250CC-C***
3"	***B5101S300CC-C***	***B5101V300CC-C***	***B5101E300CC-C***
4"	***B5101S400CC-C***	***B5101V400CC-C***	***B5101E400CC-C***

Size	Dimensions						
	A	B	C	D	E	F	G
½"	6.6"	3.0"	1.7"	0.9"	3.5"	.37"	3.1"
¾"	6.6"	3.0"	1.7"	0.9"	3.5"	.62"	3.1"
1"	6.6"	3.0"	1.7"	0.9"	3.5"	.90"	3.1"
1½"	6.6"	3.0"	1.7"	0.9"	3.5"	1.40"	3.1"
2"	6.6"	3.5"	1.7"	0.9"	3.8"	1.90"	3.9"
2½"	6.6"	3.7"	1.7"	0.9"	3.8"	2.40"	4.6"
3"	6.6"	3.9"	1.7"	1.2"	4.1"	2.90"	5.2"
4"	6.6"	4.8"	1.7"	1.2"	4.8"	3.80"	6.7"

Repair Kits for Butterfly Valves

Features:
Repair kit contains:
(1) seat
(2) bushings
for valves located on pages 633 and 634



Valve Size	*Black EPDM* Part #	*Red Silicone* Part #	*Brown FKM* Part #
½" - 1"	***B5101-RKE100***	***B5101-RKS100***	***B5101-RKV100***
1½"	***B5101-RKE150***	***B5101-RKS150***	***B5101-RKV150***
2"	***B5101-RKE200***	***B5101-RKS200***	***B5101-RKV200***
2½"	***B5101-RKE250***	***B5101-RKS250***	***B5101-RKV250***
3"	***B5101-RKE300***	***B5101-RKS300***	***B5101-RKV300***
4"	***B5101-RKE400***	***B5101-RKS400***	***B5101-RKV400***
6"	***B5101-RKE600***	***B5101-RKS600***	---
8"	***B5107-RKE800***	---	---

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Butterfly Valves

Clamp

Materials:
- contact product surfaces: sanitary finish 316L stainless steel
- seat: silicone, EPDM, FKM

Features:
- all sizes use only ¾" of line space
- the grooved clamp housing connects directly to the corresponding sanitary clamp size
- PTFE valve disc bushings reduce friction and increase cycle life
- 3-position reversible handle
- 100% tested / 100% inspected
- can be serviced in field (no special tools required)
- can be modified for lockout / tagout
- various automated options available

Specifications:
- vacuum rating: 0.4 inches Hg @ **68°F (20°C)**
- operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**

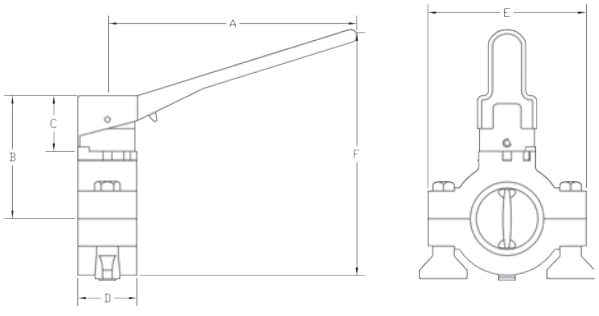
Information supplied based on water media @ **68°F (20°C)**

Size	Break Torque (in-lbs.)	Assembly Torque (in-lbs.)	Pressure Rating (PSI)	Flow Coefficent (C_V)	Weight w/standard handle (lbs.)
1"	125	36	**140**	23	1.5
1½"	185	36	**140**	80	2
2"	200	21.6	**120**	230	2.5
2½"	260	21.6	**120**	264	3
3"	350	28.8	**100**	372	4
4"	495	43.2	**70**	800	6

Size	*316L Stainless Steel with Silicone Seats* Part #	*316L Stainless Steel with FKM Seats* Part #	*316L Stainless Steel with EPDM Seats* Part #
1"	***B5102S100-A***	***B5102V100-A***	***B5102E100-A***
1½"	***B5102S150-A***	***B5102V150-A***	***B5102E150-A***
2"	***B5102S200-A***	***B5102V200-A***	***B5102E200-A***
2½"	***B5102S250-A***	***B5102V250-A***	***B5102E250-A***
3"	***B5102S300-A***	***B5102V300-A***	***B5102E300-A***
4"	***B5102S400-A***	***B5102V400-A***	***B5102E400-A***



Size	Dimensions A	B	C	D	E	F	PSI @ **68°F (20°C)**
1"	5.6"	2.8"	1.3"	1.3"	3.6"	5.6"	**140**
1½"	5.6"	2.8"	1.3"	1.3"	3.6"	5.6"	**140**
2"	5.6"	3.0"	1.3"	1.3"	4.1"	6.1"	**120**
2½"	5.6"	3.3"	1.3"	1.3"	4.6"	6.6"	**120**
3"	5.6"	3.6"	1.3"	1.3"	5.3"	7.1"	**100**
4"	5.6"	4.1"	1.3"	1.3"	6.4"	8.2"	**70**



Repair Kits for Clamp Butterfly Valves

Repair kit contains:
(1) seat
(2) bushings

Valve Size	*Black EPDM* Part #	*Red Silicone* Part #	*Brown FKM* Part #
1"	***B5102-RKE100***	***B5102-RKS100***	***B5102-RKV100***
1½"	***B5102-RKE150***	***B5102-RKS150***	***B5102-RKV150***
2"	***B5102-RKE200***	***B5102-RKS200***	***B5102-RKV200***
2½"	***B5102-RKE250***	***B5102-RKS250***	***B5102-RKV250***
3"	***B5102-RKE300***	***B5102-RKS300***	***B5102-RKV300***
4"	***B5102-RKE400***	***B5102-RKS400***	***B5102-RKV400***



B5102-RKS100

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NEW

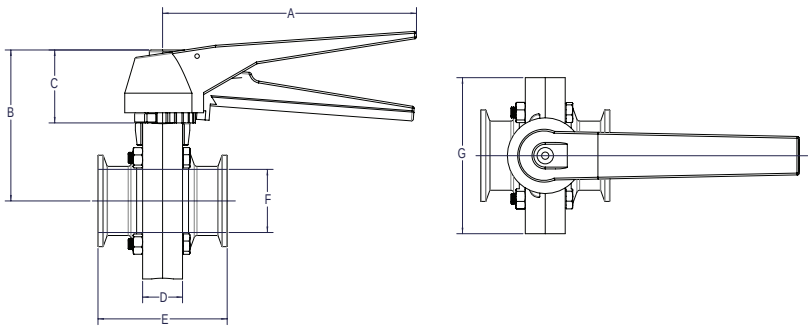
B5115 Series - 304 Stainless Steel **Butterfly Valves**

Features:

- 100% tested / 100% inspected
- product contact are sanitary finish to <32R_a
- can be serviced in field
- silicone seats
- blue trigger handle
- operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**
- maximum operating pressure: **110 PSI**

Clamp End with Trigger Handle

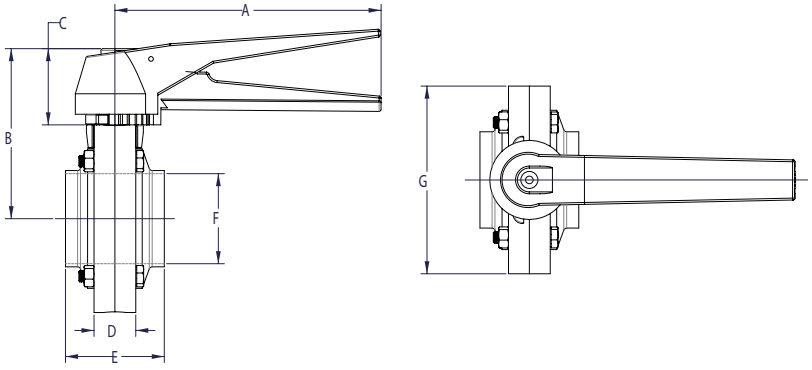




Size	Dimensions							*304 Stainless Steel* Part #
	A	B	C	D	E	F	G	
1½"	5.70"	3.40"	1.60"	0.87"	2.80"	1.40"	3.40"	***B5115S150CC-C***
2"	5.70"	3.60"	1.60"	0.87"	3.00"	1.90"	3.90"	***B5115S200CC-C***
3"	5.70"	4.20"	1.60"	0.87"	3.30"	2.90"	5.00"	***B5115S300CC-C***
4"	6.89"	5.51"	1.60"	0.87"	3.62"	3.83"	6.89"	***B5115S400CC-C***

Weld End with Trigger Handle





Size	Dimensions							*304 Stainless Steel* Part #
	A	B	C	D	E	F	G	
1½"	5.70"	3.40"	1.60"	0.87"	1.97"	1.40"	3.40"	***B5115S150BB-C***
2"	5.70"	3.60"	1.60"	0.87"	2.05"	1.90"	3.90"	***B5115S200BB-C***
3"	5.70"	4.20"	1.60"	0.87"	2.12"	2.90"	5.00"	***B5115S300BB-C***
4"	6.89"	5.51"	1.60"	0.87"	2.52"	3.83"	6.89"	***B5115S400BB-C***

Replacement Seats

Size	Part #
1½"	***B5115-RKS150***
2"	***B5115-RKS200***
3"	***B5115-RKS300***
4"	***B5115-RKS400***

Note: Cannot be actuated and is supplied with silicone seats only.

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HSC Series Spring Check Valve

3-A 1447
58-01

Features:
- single piece upper body spider design
- machined from solid bar
- standard O-ring and gasket seal design
- can be serviced in field (no special tools required)
- finish: sanitary polish 32 R_a
- suitable for low and medium viscosity fluids
- connection: clamp (standard), others available upon request



Size	Pressure Rating	Cracking Pressure (PSI)	Operating Temperature	*316L stainless steel* Part #
½"	**145 PSI**	**10.0**	**15°F** to **200°F** (**-9°C** to **93°C**)	***HSC*050***
¾"		**4.0**		***HSC*075***
1"		**2.5**		***HSC*100***
1½"		**1.0**		***HSC*150***
2"		**1.5**		***HSC*200***
2½"		**0.8**		***HSC*250***
3"		**0.5**		***HSC*300***
4"		**0.4**		***HSC*400***

*V=FKM or E=EPDM

Repair Kits

Size	Part #
½"	***HSC-RK*050***
¾"	***HSC-RK*075***
1"	***HSC-RK*100***
1½"	***HSC-RK*150***
2"	***HSC-RK*200***
2½"	***HSC-RK*250***
3"	***HSC-RK*300***
4"	***HSC-RK*400***

½"-¾" repair kit contains:
(1) body gasket
(1) plunger O-ring
(1) spider O-ring

1"-4" repair kit contains:
(1) body gasket
(1) plunger O-ring

*V=FKM or E=EPDM

Dimensions

Size	A
½"	2.7"
¾"	2.7"
1"	3.3"
1½"	3.4"
2"	3.4"
2½"	3.4"
3"	3.4"
4"	4.1"



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3
1447

B45BY Series Y - Ball Check Valve



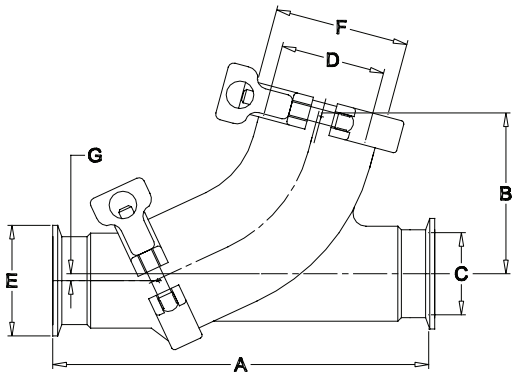
Applications:
- When liquid flows through the valve, the ball is forced into the branch of the valve allowing full fluid flow. When the liquid stops, equalizing the pressure, the ball drops back into the seat, preventing backflow. Should reverse flow occur, the differential pressure will cause the ball to seal firmly against the seat preventing leakage.

Materials:
- ball: PTFE
- product contact surfaces: 316L stainless steel

Features:
- two-piece construction
- replaceable seat
- can be serviced in field (no special tools required)

Specifications:
- operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**
- maximum operating pressure: **150 PSI**

Dimensions



Valve Size	Clamp & Cap Size	A	B	C	D	E	F	G	Ball Diameter	Weight (lbs)	*316L Stainless Steel* Part #
1½"	2"	7.50"	3.30"	1.36"	1.87"	1.98"	2.51"	0.16"	1.6"	4.9	***B45BY-R150***
2"	2½"	8.50"	3.90"	1.86"	2.33"	2.51"	3.04"	0.16"	2.1"	6.6	***B45BY-R200***
2½"	3"	10.00"	4.50"	2.37"	2.87"	3.04"	3.57"	0.16"	2.7"	10.5	***B45BY-R250***
3"	4"	11.50"	5.30"	2.87"	3.83"	3.57"	4.68"	0.16"	3.6"	17.5	***B45BY-R300***

All dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Repair and Seal Kits

Repair kit contains:
(1) EPDM cap gasket
(1) PTFE ball
(1) EPDM/CF8M seat

Seal kit contains:
(1) EPDM cap gasket
(1) EPDM/CF8M seat

FKM seal kit contains:
(1) FKM cap gasket
(1) FKM /CF8M seat

Size	*Repair Kit* Part #	*Seal Kit* Part #	*FKM Seal Kit* Part #	*Replacement Ball Only* Part #
1½"	***B45BY-RK150***	***B45BY-SK150***	***B45BY-SKV150***	***B45BY-TB150***
2"	***B45BY-RK200***	***B45BY-SK200***	***B45BY-SKV200***	***B45BY-TB200***
2½"	***B45BY-RK250***	***B45BY-SK250***	***B45BY-SKV250***	***B45BY-TB250***
3"	***B45BY-RK300***	***B45BY-SK300***	***B45BY-SKV300***	***B45BY-TB300***

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B45 Air Blow Check Valves

3A 58-00
1447

Materials:
- 316L stainless steel
- stem seat and gasket: EPDM

Features:
- Conforms to 3A standards for filtration of air entering tanks or pipelines with optional filter disc
- filter discs sold separately in packs of 50

Specifications:
- maximum operating temperature: **212°F (100°C)**
- maximum operating pressure: **145 PSI**

Size	*Quick-Connect Plug* Part #	*Female NPT* Part #	*Hose Barb* Part #
1" - 1½"	***B45AB-R100150***	***B45BC-R100150***	***B45CC-R100150***
2"	***B45AB-R200***	***B45BC-R200***	***B45CC-R200***
2½"	***B45AB-R250***	***B45BC-R250***	***B45CC-R250***
3"	***B45AB-R300***	***B45BC-R300***	***B45CC-R300***
4"	***B45AB-R400***	***B45BC-R400***	***B45CC-R400***



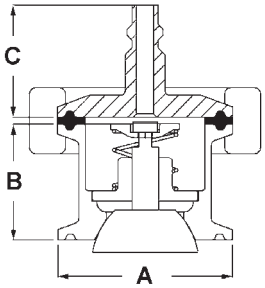




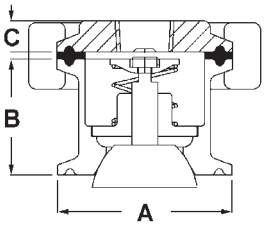
Can be used on the Dixon® B45BY Series Y-Ball Check Valves



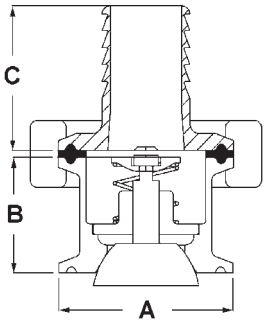
Dimensions



B45AB



B45BC



B45CC

Size	A	B	C Plug	C FNPT	C Hose Barb
1"-1½"	1.984"	1.30"	1.26"	.6"	1.7"
2"	2.516"	1.30"	1.26"	.6"	1.7"
2½"	3.047"	1.30"	1.26"	.6"	1.7"
3"	3.579"	1.30"	1.26"	.6"	1.7"
4"	4.682"	1.30"	1.26"	.6"	1.7"

All dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Repair Kit

Repair kit, ***B45AB-RK***, contains:
- (1) EPDM / 316L stainless perforated disc
- (1) 304 stainless spring retainer
- (1) 304 stainless spring
- (1) nylon stem guide
- (1) 316L / EPDM stem and plug

Sizing Chart

When using air blow check valves with ball check valves, refer to the sizing chart below.

Ball Check Valve size	Air Blow Check Valve size
1½"	2"
2"	2½"
2½"	3"
3"	4"

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Air & Vacuum Relief Tank Vent Valves

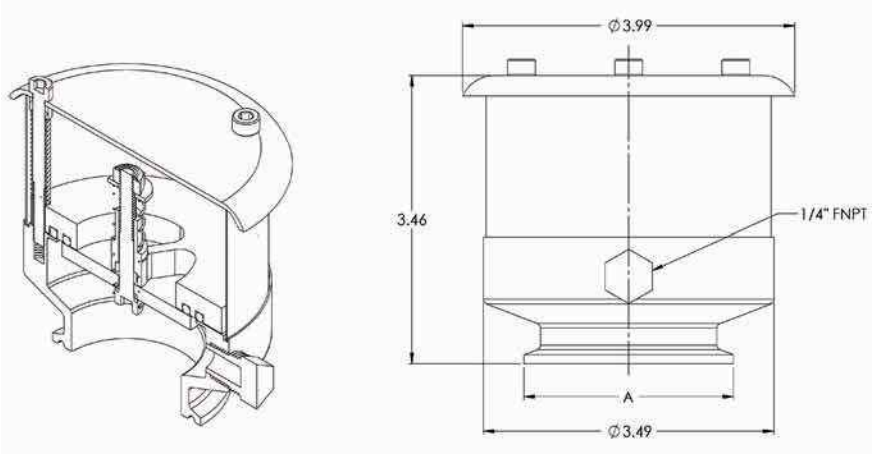
Applications:
- When product filling or emptying a tank, this valve is used to relieve pressure or vacuum

Features:
- Triple Action:
  - valve relieves pressure as the fluid level rises while filling a tank
  - valve relieves vacuum as the fluid level drops while emptying a tank
  - seals under equal pressure
- stainless steel screen surrounds the entire vacuum and pressure flow area
- other sanitary connections optional
- ¼" FNPT connection for gas inlet, plug also supplied
- repair kits available

Materials:
- 304 stainless steel, EPDM elastomer

Specifications:
- vacuum break: 2" water column, 0.1 PSI
- pressure relief: 22" water column, 0.8 PSI
- maximum temperature and pressure rating: **3 PSI @ 70°F (21°C)**
- maximum flow rate: 500 GPM





Tube OD	Dimension A	*304 Stainless Steel* Part #
2"	2.52"	***TVSEC-G200***
3"	3.58"	***TVSEC-G300***
4"	4.68"	***TVSEC-G400***

⚠ Due to the impossible determination of whether a tank was damaged due to the tank vent or the lack of opening the upper manhole during product transfer, Dixon Sanitary assumes no liability for tank damage or product loss.

All dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

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Air & Vacuum Relief Tank Vent Valve

Material:
- light weight, robust PVC and 304 stainless steel construction

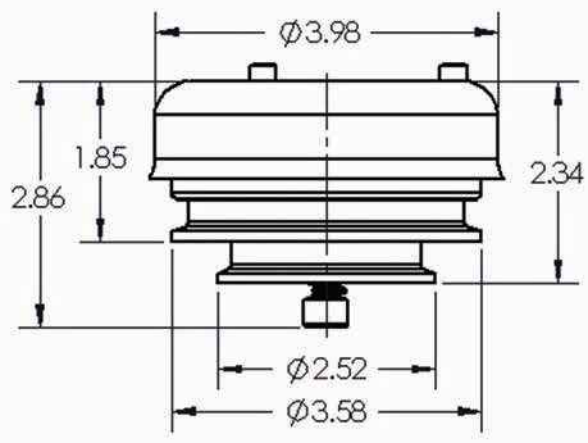
Features:
- dome helps in preventing external contamination
- can use any clamp gasket

Specifications:
- maximum flow rate: 500 GPM
- vacuum break: 0.1 **PSI**
- pressure relief: 0.1 **PSI**



Size	*304 Stainless Steel* Part #
2" - 3"	***TVPC200-300***

Dimensions



Due to the impossible determination of whether a tank was damaged due to the tank vent or the lack of opening the upper manhole during product transfer, Dixon Sanitary assumes no liability for tank damage or product loss.

All dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

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1447

3A Sample Valves with Manual Handle

Applications:
- The 3A sample valve allows easy and safe sampling of liquids from closed systems such as vessels and pipelines.
- These valves are located in the pharmaceutical, bio-pharmaceutical, biochemical, cosmetic, food, dairy and beverage markets.

Features:
- valve body made from solid bar
- no dead space
- drainable
- connections suitable for orbital welding
- available with single or dual ports
- hermetically sealed against environment
- optimum cleanability
- change of seals without special tools
- long life of the PTFE-bellows
- low spare part costs
- options for pneumatic actuator: no lever, with self-closing lever and with lever for open position
- manual actuator (hand wheel)



single port

Materials:
- In product contact: 1.4404/AISI 316L
- Non product contact: 1.4301/AISI 304
- Product contact seals: PTFE bellows
- Surfaces: wetted product surfaces: Ra <= 32 (optional surface finishes available). Non product contact: R_a <= 63

Specifications:
- Closing tension operating pressure: maximum **116 PSI**
- Hand wheel version operating pressure: minimum **87 PSI**, maximum **232 PSI**
- Controlled air pressure: maximum **145 PSI**



double port

Clamp Valve Size	Weld Port Size	Single Port Part #	Dual Port Part #
½"	¼"	***BSVS-HC050B025***	***BSVD-HC050B025***
½"	⅜"	***BSVS-HC050B375***	***BSVD-HC050B375***
½"	½"	***BSVS-HC050B050***	***BSVD-HC050B050***
1" - 1½"	¼"	***BSVS-HC100B025***	***BSVD-HC100B025***
1" - 1½"	⅜"	***BSVS-HC100B375***	***BSVD-HC100B375***
1" - 1½"	½"	***BSVS-HC100B050***	***BSVD-HC100B050***
2"	¼"	***BSVS-HC200B025***	***BSVD-HC200B025***
2"	⅜"	***BSVS-HC200B375***	***BSVD-HC200B375***
2"	½"	***BSVS-HC200B050***	***BSVD-HC200B050***
2½"	¼"	***BSVS-HC250B025***	***BSVD-HC250B025***
2½"	⅜"	***BSVS-HC250B375***	***BSVD-HC250B375***
2½"	½"	***BSVS-HC250B050***	***BSVD-HC250B050***
3"	¼"	***BSVS-HC300B025***	***BSVD-HC300B025***
3"	⅜"	***BSVS-HC300B375***	***BSVD-HC300B375***
3"	½"	***BSVS-HC300B050***	***BSVD-HC300B050***
4"	¼"	***BSVS-HC400B025***	***BSVD-HC400B025***
4"	⅜"	***BSVS-HC400B375***	***BSVD-HC400B375***
4"	½"	***BSVS-HC400B050***	***BSVD-HC400B050***

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Electrically Actuated Stainless Steel Ball Valves

2-Piece

Features:

2-Piece Stainless Steel Ball Valve

- body, ends and ball**:** CF8M stainless
- seats: RTFE
- seals: PTFE
- blow-out proof stem
- ISO 5211 mounting pad
- pressure rating: ¼" - 2" **1000 PSI** WOG, 2½" - 3" **800 PSI** WOG
- temperature range: ½" to 2"**: -40°F** to **350°F (-40°C** to **177°C),** 3" to 4": **-40°F** to **325°F (-40°C** to **163°C)**



Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F** to **140°F (-41°C** to **60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant

3-Piece

Features:

3-Piece Stainless Steel Ball Valve

- body and ball: CF8M stainless steel
- stem: 316 stainless steel
- seat: RTFE
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- swing out design allows easy maintenance
- maximum pressure: 1/4" - 2" **1,000 PSI** WOG at 65°F, 2½" - 3" **800 PSI** WOG at 65°F, 4" **600 PSI** WOG at 65°F
- temperature range: ½" to 2"**: -40°F** to **350°F (-40°C** to **177°C),** 3" to 4": **-40°F** to **325°F (-40°C** to **163°C)**



Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F** to **140°F (-41°C** to **60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant

A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

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Electrically Actuated Brass Ball Valves



Features:

2-Piece Brass Ball Valve

- ½" to 2" brass; 3" bronze
- elastomers: FKM
- stem: blow-out proof brass
- seats: PTFE with double O-ring stem packing
- ISO 5211 mounting pad
- pressure rating: - **600 PSI** WOG, **150 PSI** WOG
- maximum temperature: **300°F (149°C)**

Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F** to **140°F (-41°C** to **60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant

A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.
For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

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Electrically Actuated 3-Way Ball Valves - 'T / L' Port

3-Way Stainless Steel

Features:

3-Way Stainless Steel Ball Valve

- body and ball: CF8M stainless steel
- seats and seals: RTFE
- full port with FNPT ends
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- working pressure: ¼" to 1": **1000 PSI** WOG; 1¼" to 2": **800 PSI** WOG
- maximum temperature: **350°F (177°C)**



Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F** to **140°F (-41°C** to **60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant

3-Way Brass

Features:

3-Way Brass Ball Valve

- body: brass
- seats: PTFE with O-ring backing
- reduced port ball valves with FNPT ends
- blow-out proof stem
- ISO 5211 mounting pad
- pressure rating: **400 PSI** WOG, **100 PSI** WSP
- maximum temperature: **300°F (149°C)**



Electric Actuator

- housing: lightweight powder coated aluminum alloy
- NEMA 4/4X waterproof and dustproof
- gear train: high alloy steel
- H-insulation class
- visual position indication
- space heater is standard
- temperature range: **-41°F** to **140°F (-41°C** to **60°C)**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant

A flow path needs to be selected at time of order. See page 651 for flow path options.

Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

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Pneumatically Actuated Stainless Steel Ball Valves

2-Piece



Features:

3-Piece Stainless Steel Ball Valve

- body, ends and ball**:** CF8M stainless
- seats: RTFE
- seals: PTFE
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- pressure rating: ¼" - 2" **1000 PSI** WOG, 2½" - 3" **800 PSI** WOG
- temperature range: ¼" to 2"**: -40°F** to **350°F (-40°C** to **177°C),** 2½" to 3": **-40°F** to **325°F (-40°C** to **163°C)**

Rack and Pinion Actuator

- body: hard anodized aluminum
- anti-blowout pinion: nickel plated anti-blowout pinion
- O-rings: Buna-N
- NAMUR mounting
- bi-directional stops for ±5º travel adjustment
- **80 PSI** plant air required
- visual position indication
- maximum operating pressure: **120 PSI**
- temperature range: **-40ºF** to **200ºF (-40°C** to **93°C)**
- tested to one million cycles
- for spring return actuators must note fail position

3-Piece



Features:

3-Piece Stainless Steel Ball Valve

- body and ball: CF8M stainless steel
- stem: 316 stainless steel
- seat: RTFE
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- swing out design allows easy maintenance
- maximum pressure: ¼" - 2" **1,000 PSI** WOG at 65°F, 2½" - 3" **800 PSI** WOG at 65°F, 4" **600 PSI** WOG at 65°F
- temperature range: ½" to 2" **-40°F** to **350°F (-40°C** to **177°C) ,** 3" to 4": **-40°F** to **325°F (-40°C** to **163°C)**

Rack and Pinion Actuator

- body: hard anodized aluminum
- anti-blowout pinion: nickel plated
- O-rings: Buna-N
- NAMUR mounting
- bi-directional stops for ±5º travel adjustment
- 80 PSI plant air required
- visual position indication
- maximum operating pressure: **120 PSI**
- temperature range: **-40ºF** to **200ºF (-40°C** to **93°C)**
- tested to one million cycles
- for spring return actuators must note fail position

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.
For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

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Pneumatically Actuated Brass Ball Valves

Features:

2-Piece Brass Ball Valve

- body: ¼ " to 2" brass, 2½" - 4" bronze
- seats: PTFE
- ends: FNPT
- brass ball
- FKM elastomers
- blow-out proof stem
- PTFE seats with double O-ring stem packing
- ISO 5211 mounting pad
- pressure rating: - **600 PSI** WOG, **150 PSI** WSP
- maximum temperature: **300°F (149°C)**



Rack and Pinion Actuator

- body: hard anodized aluminum
- anti-blowout pinion: nickel plated
- O-rings: Buna-N
- NAMUR mounting
- bi-directional stops for ±5º travel adjustment
- 80 PSI plant air required
- visual position indication
- maximum operating pressure: **120 PSI**
- temperature range: **-40ºF** to **200ºF (-40°C** to **93°C)**
- tested to one million cycles
- for spring return actuators must note fail position

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.
For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

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Pneumatically Actuated 3-Way Stainless Steel Ball Valves - 'T / L' Port



Features:

3-Way Stainless Steel Ball Valve

- full port ball valves with FNPT ends
- body and ball: CF8M stainless steel
- seats and seals: RTFE
- blow-out proof stem
- live-loaded stem packing
- ISO 5211 mounting pad
- working pressure: ¼" to 1": **1000 PSI** WOG; 1¼" to 2": **800 PSI** WSP
- maximum temperature: **350°F (177°C)**

Rack and Pinion Actuator

- body: hard anodized aluminum
- anti-blowout pinion: nickel plated
- O-rings: Buna-N
- NAMUR mounting
- bi-directional stops for ±5º travel adjustment
- 80 PSI plant air required
- visual position indication
- maximum operating pressure: **120 PSI**
- temperature range: **-40ºF** to **200ºF (-40°** to **93°C)**
- tested to one million cycles
- for spring return actuators must note fail position

- A flow path needs to be selected at time of order. See page 651 for flow path options.
- Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.
For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

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Pneumatically Actuated 3-Way Brass Ball Valves - 'T / L' Port

Features:

3-Way Brass Ball Valve

- reduced port brass ball valves with FNPT ends
- blow-out proof stem
- body: brass
- seats: PTFE with O-ring backing
- ball: chrome-plated brass
- PTFE seats with O-ring backing for low operating torque
- ISO 5211 mounting pad
- pressure rating: **400 PSI** WOG **100 PSI** WSP
- maximum temperature: **300°F (149°C)**



Rack and Pinion Actuator

- body: hard anodized aluminum
- anti-blowout pinion: nickel plated
- O-rings: Buna-N
- NAMUR mounting
- bi-directional stops for ±5º travel adjustment
- 80 PSI plant air required
- visual position indication
- maximum operating pressure: **120 PSI**
- temperature range: **-40ºF** to **200ºF (-40°C** to **93C)**
- tested to one million cycles
- for spring return actuators must note fail position

- A flow path needs to be selected at time of order. See page 651 for flow path options.
- Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.
For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

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Pneumatically Actuated Wafer Butterfly Valves

Rack and Pinion Actuator

Features:

- bi-directional stops for ± 5° travel adjustment
- **80 PSI** plant air required
- body: hard anodized aluminum
- anti-blowout pinion: nickel plated
- O-rings: Buna-N
- maximum operating pressure: **120 PSI**
- temperature range: **-40°F** to **200°F (-40°C** to **93°C)**
- Namur mounting
- visual position indication
- tested to 1 million cycles
- for spring return actuators must note fail position

Wafer



Features:

- installs between standard ANSI Class 150# flanges
- seat backing ring ensures blow-out proof service
- conforms to MSS-SP-67, MSS-SP-25,API-609
- body with extended neck: ductile iron
- disc: nickel plated ductile iron
- replaceable seat: EPDM
- no taper pins
- can be serviced in the field
- maximum operating pressure: **200 PSI** (bi-directional)
- temperature range: **-20°F** to **250°F (-29°C** to **121°C)**
- a wide variety of seat, disc and body materials are available

Lug



Features:

- installs between standard ANSI Class 150# flanges
- seat backing ring ensures blow-out proof service
- conforms to MSS-SP-67,MSS-SP-25, API-609
- body with extended neck: ductile iron
- disc: nickel plated ductile iron
- replaceable seat: EPDM
- no taper pins
- can be serviced in the field
- maximum operating pressure: **200 PSI** (bi-directional)
- temperature range: **-20°F** to **250°F (-29°C** to **121°C)**
- a wide variety of seat, disc and body materials are available

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon Sanitary at 800.789.1718.

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Flow Paths

3-way 'L'-port
position A



3-way 'L'-port
position B



3-way 'L'-port
position C



3-way 'T'-port
position A



3-way 'T'-port
position B



3-way 'T'-port
position C



3-way 'T'-port
position D



4-way 'L'-port
position A



4-way 'L'-port
position B



4-way 'L'-port
position C



4-way 'L'-port
position D



4-way 'T'-port
position A



4-way 'T'-port
position B



4-way 'T'-port
position C



4-way 'T'-port
position D



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Actuated Valve Accessories

Limit Switches





XLS-B4A0120P

Features:
- visual position indicator
- 3D open/close indication
- quick-set cam
- mechanical SPDT switches (standard)
- multipoint terminal strip
- various switch options available
- cable entry: (2) ½" NPT

Enclosures available:

NEMA 4 4/X
- water and dust tight for indoor or outdoor use
- corrosion resistant

NEMA 7
- water and dust tight for indoor or outdoor use
- corrosion resistant
- for use in indoor hazardous locations
- explosion proof

Enclosure	Part #
NEMA 4/4X	***XLS-B4A0120P***
NEMA 7	***XLS-C7A0120P***

Solenoids



Features:
- pressure range: **30 PSI** to **150 PSI**
- duty cycle: 100% extended duty
- voltages available: 12VDC, 24VDC, 24VAC, 48VAC, 110VAC, 220VAC
- electroless nickel plated spool
- easy-to-use manual override
- port sizes: inlet and exhaust ¼" NPT
- NEMA 4 4/X Enclosure
  - water and dust tight for indoor or outdoor use
  - corrosion resistant

Description	Voltage	Part #
single coil	115VAC	***XSO-4S4D-0A***
single coil	24VDC	***XSO-4S4B-0A***
dual coil	115VAC	***XSO-4D4D-0A***
dual coil	24VDC	***XSO-4D4B-0A***

Positioners



Features:
- air capacity:
  at 29 PSI (200kPa): 9.5 SCFM
  at 87 PSI (600kPa): 28.3 SCFM
  at 145 PSI (1MPa): 47.1 SCFM
- air connections: 1/4" NPT
- gauges: 1/8" NPT
- cable entry: 1/2" NPT

Electro-Pneumatic
- input range: 4-20mA (Ri<250ohms)
- supply pressure: 21.8 to 145 PSI (0.15 to 1MPa)
- linearity error: <1.0% f.s
- hysteresis: <0.6% f.s
- repeatability: <0.5% f.s

Pneumatic
- input range: 3 to 15 PSI (20-100kPa)
- supply pressure: < 145 PSI (<1MPa)
- linearity error: <0.7% f.s
- hysteresis: <0.4% f.s
- repeatability: <0.3% f.s

Positioner Type	Part #
Electro-Pneumatic	***XPO-E4F***
Pneumatic	***XPO-P4F***

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Sharkbite® push to connect ..... 723 to 724
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TrueSeal™ ball valves ..... 729 to 730

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NPT Threaded Bell Reducers

Features:
- other sizes available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability


300# iron


150# iron


150# galvanized iron

Female NPT	Female NPT	*300# Iron* Part #	*150# Iron* Part #	*150# Galvanized Iron* Part #
¼"	⅛"	---	***BR1418***	---
⅜"	⅛"	---	***BR3818***	---
	¼"	---	***BR3825***	---
½"	¼"	***300BR5025***	***BR5025***	***BR5025G***
	⅜"	---	***BR5038***	***BR5038G***
¾"	¼"	---	***BR7525***	---
	⅜"	---	***BR7538***	---
	½"	***300BR7550***	***BR7550***	***BR7550G***
1"	¼"	---	***BR1025***	---
	⅜"	---	***BR1038***	---
	½"	---	***BR1050***	***BR1050G***
	¾"	***300BR1075***	***BR1075***	***BR1075G***
1¼"	½"	---	***BR1250***	---
	¾"	---	***BR1275***	---
	1"	***300BR1210***	***BR1210***	***BR1210G***
1½"	¾"	---	***BR1575***	---
	1"	***300BR1510***	***BR1510***	***BR1510G***
	1¼"	***300BR1512***	***BR1512***	***BR1512G***
2"	¾"	---	***BR2075***	---
	1"	***300BR2010***	***BR2010***	***BR2010G***
	1¼"	***300BR2012***	***BR2012***	---
	1½"	***300BR2015***	***BR2015***	***BR2015G***
2½"	1"	---	***BR2510***	---
	1½"	---	***BR2515***	---
	2"	---	***BR2520***	***BR2520G***
3"	1"	---	***BR3010***	---
	1¼"	---	***BR3012***	---
	1½"	---	***BR3015***	---
	2"	---	***BR3020***	***BR3020G***
	2½"	---	***BR3025***	***BR3025G***
4"	1"	---	***BR4010***	---
	1½"	---	***BR4015***	---
	2"	---	***BR4020***	---
	2½"	---	***BR4025***	---
	3"	---	***BR4030***	***BR4030G***
6"	3"	---	***BR6030***	---
	4"	---	***BR6040***	---

- For additional information on pipe dimensions please reference dixonvalve.com.

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NPT Threaded Bell Reducers

Features:
- other sizes available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Female NPT	Female NPT	*150# 316 Stain.Steel* Part #	*3000# Forged Steel* Part #	*125# Brass* Part #
¼"	⅛"	---	---	---
⅜"	⅛"	---	---	---
	¼"	***BR3825SS***	---	---
½"	¼"	***BR5025SS***	---	---
	⅜"	***BR5038SS***	***BR5038FS***	***BR5038B***[1]
¾"	⅜"	***BR7538SS***	---	***3771206C***
	½"	***BR7550SS***	***BR7550FS***	***BR7550B***[1]
1"	½"	***BR1050SS***	---	***BR1050B***
	¾"	***BR1075SS***	***BR1075FS***	***BR1075B***
1¼"	1"	***BR1210SS***	---	***BR1210B***
1½"	¾"	---	---	***BR1575B***
	1"	***BR1510SS***	***BR1510FS***	***BR1510B***
	1¼"	***BR1512SS***	***BR1512FS***	---
2"	1"	***BR2010SS***	***BR2010FS***	***BR2010B***
	1½"	***BR2015SS***	***BR2015FS***	***BR2015B***
2½"	2"	---	---	***BR2520B***
3"	2"	***BR3020SS***	---	***BR3020B***
4"	3"	---	---	***BR4030B***

[1] items will be discontinued as stock is depleted



150# 316 stainless steel



3000# forged steel



125# brass

Adapters

Reducer Couplings

Feature:
- ref SAE 130138

Female NPTF	*Brass* Previous Part #	*Brass* Part #	Optional Qty	*Lead Free Brass*[1, 2, 3] Part #
¼" x ⅛"	RC2F1F	***3770402C***	50	---
⅜" x ⅛"	RC3F1F	***3770602C***	50	---
⅜" x ¼"	RC3F2F	***3770604C***	50	---
½" x ¼"	RC4F2F	***3770804C***	25	---
½" x ⅜"	RC4F3F	***3770806C***	10	***3770806CLF***
¾" x ⅜"	RC6F3F	***3771206C***	10	---
¾" x ½"	RC6F4F	***3771208C***	10	***3771208CLF***



[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT threads

- For additional information on pipe dimensions please reference dixonvalve.com.

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NPT Threaded Couplings


300# iron


150# iron


150# galvanized iron


150# 316 stainless steel


3000# forged steel


125# brass

Female NPT	*300# Iron* Part #	*150# Iron* Part #	*150# Galvanized Iron* Part #
⅛"	---	***RHC18***	***RHC18G***
¼"	***300RHC25***	***RHC25***	***RHC25G***
⅜"	***300RHC38***	***RHC38***	***RHC38G***
½"	***300RHC50***	***RHC50***	***RHC50G***
¾"	***300RHC75***	***RHC75***	***RHC75G***
1"	***300RHC100***	***RHC100***	***RHC100G***
1¼"	***300RHC125***	***RHC125***	***RHC125G***
1½"	***300RHC150***	***RHC150***	***RHC150G***
2"	***300RHC200***	***RHC200***	***RHC200G***
2½"	---	***RHC250***	---
3"	---	***RHC300***	***RHC300G***
4"	---	***RHC400***	***RHC400G***
5"	---	***RHC500***	---
6"	---	***RHC600***	---

Female NPT	*150# 316 Stain.Steel* Part #	*3000# Forged Steel* Part #	*125# Brass* Part #
¼"	***RHC25SS***	***RHC25FS***	***RHC25B***
⅜"	***RHC38SS***	***RHC38FS***	***RHC38B***
½"	***RHC50SS***	***RHC50FS***	***RHC50B***
¾"	***RHC75SS***	***RHC75FS***	***RHC75B***
1"	***RHC100SS***	***RHC100FS***	***RHC100B***
1¼"	***RHC125SS***	***RHC125FS***	***RHC125B***
1½"	***RHC150SS***	***RHC150FS***	***RHC150B***
2"	***RHC200SS***	***RHC200FS***	***RHC200B***
3"	***RHC300SS***	---	---
4"	***RHC400SS***	---	---

Merchant Couplings



- other sizes are also available, consult Dixon® for pricing

Female NPSM	*Black Iron* Part #
¼"	***MRCH25***
⅜"	***MRCH38***
½"	***MRCH50***
¾"	***MRCH75***
1"	***MRCH100***
1¼"	***MRCH125***
1½"	***MRCH150***
2"	***MRCH200***
3"	***MRCH300***[1]

[1] has female NPT thread

- For additional information on pipe dimensions please reference dixonvalve.com

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NPT Threaded Unions

Features:
- other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Female NPT	*300# Iron* Part #	*150# Iron* Part #	*150# Galvanized Iron* Part #
⅛"	---	***MIU18***	---
¼"	---	***MIU25***	---
⅜"	---	***MIU38***	***TUN038G***
½"	***300MIU50***	***MIU50***	***TUN050G***
¾"	***300MIU75***	***MIU75***	***TUN075G***
1"	***300MIU100***	***MIU100***	***TUN100G***
1¼"	---	***MIU125***	***TUN125G***
1½"	***300MIU150***	***MIU150***	***TUN150G***
2"	---	***MIU200***	***TUN200G***
2½"	---	***MIU250***	---
3"	***300MIU300***	***MIU300***	---
4"	---	***MIU400***	---

Female NPT	*150# 316 Stainless Steel* Part #	*3000# Forged Steel* Part #	*125# Brass* Part #
¼"	***TUN025SS***	---	***TUN2F***
⅜"	***TUN038SS***	---	***TUN3F***
½"	***TUN050SS***	***TUN050FS***	***TUN4F***
¾"	***TUN075SS***	***TUN075FS***	***TUN5F***
1"	***TUN100SS***	***TUN100FS***	***TUN6F***
1¼"	***TUN125SS***	---	***TUN7F***
1½"	***TUN150SS***	***TUN150FS***	***TUN8F***
2"	***TUN200SS***	***TUN200FS***	***TUN9F***


300# iron


150# iron


150# galvanized iron


150# 316 stainless steel


3000# forged steel


brass

NPT Threaded Reducing Union

Female NPT	Female NPT	*150# Iron* Part #
¾"	½"	***MIRU7550***



Female Hex Couplings

Feature:
- ref SAE 130138

NPTF	*Brass* Previous Part #	*Brass* Part #	Pkg Qty	*Lead Free Brass* [1, 2, 3] Part #
⅛" x ⅛"	BA1F1F	***3710202C***	25	***3710202CLF***
¼" x ¼"	BA2F2F	***3710404C***	25	***3710404CLF***
⅜" x ⅜"	BA3F3F	***3710606C***	25	***3710606CLF***
½" x ½"	BA4F4F	***3710808C***	25	***3710808CLF***
¾" x ¾"	BA6F6F	***3711212C***	10	---



[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT threads

- For additional information on pipe dimensions please reference dixonvalve.com.

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NPT Threaded Reducer Hex Bushings


150# iron


150# galvanized iron


150# 316 stainless steel

Male NPT	Female NPT	*150# Iron* Part #	*150# Galvanized Iron* Part #	*150# 316 Stainless Steel* Part #
¼"	⅛"	***HB2518***	***HB2518G***	***HB2518SS***
⅜"	⅛"	***HB3818***	---	---
	¼"	***HB3825***	***HB3825G***	***HB3825SS***
½"	⅛"	***HB5018***	---	---
	¼"	***HB5025***	***HB5025G***	***HB5025SS***
	⅜"	***HB5038***	***HB5038G***	***HB5038SS***
¾"	⅛"	***HB7518***	---	---
	¼"	***HB7525***	***HB7525G***	***HB7525SS***
	⅜"	***HB7538***	***HB7538G***	***HB7538SS***
	½"	***HB7550***	***HB7550G***	***HB7550SS***
1"	⅛"	***HB1018***	---	---
	¼"	***HB1025***	***HB1025G***	***HB1025SS***
	⅜"	***HB1038***	***HB1038G***	***HB1038SS***
	½"	***HB1050***	***HB1050G***	***HB1050SS***
	¾"	***HB1075***	***HB1075G***	***HB1075SS***
1¼"	½"	***HB1250***	---	---
	¾"	***HB1275***	---	***HB1275SS***
	1"	***HB1210***	***HB1210G***	***HB1210SS***
1½"	½"	***HB1550***	---	---
	¾"	***HB1575***	***HB1575G***	***HB1575SS***
	1"	***HB1510***	***HB1510G***	***HB1510SS***
	1¼"	***HB1512***	***HB1512G***	***HB1512SS***
2"	½"	***HB2050***	***HB2050G***	---
	¾"	***HB2075***	***HB2075G***	***HB2075SS***
	1"	***HB2010***	***HB2010G***	***HB2010SS***
	1¼"	***HB2012***	***HB2012G***	***HB2012SS***
	1½"	***HB2015***	***HB2015G***	***HB2015SS***
2½"	1½"	***HB2515***	---	---
	2"	***HB2520***	***HB2520G***	***HB2520SS***
3"	1"	***HB3010***	---	---
	1½"	***HB3015***	---	---
	2"	***HB3020***	***HB3020G***	***HB3020SS***
	2½"	***HB3025***	---	***HB3025SS***
4"	1"	***HB4010***	---	---
	1½"	***HB4015***	---	---
	2"	***HB4020***	***HB4020G***	***HB4020SS***
	2½"	***HB4025***	---	---
	3"	***HB4030***	***HB4030G***	***HB4030SS***
5"	4"	***HB5040***	---	---
6"	3"	***HB6030***	---	---
	4"	***HB6040***	---	---


3000# forged steel


125# brass

Male NPT	Female NPT	*3000# Forged Steel* Part #	*125# Brass* Part #
¼"	⅛"	***HB2518FS***	---
⅜"	⅛"	---	---
	¼"	***HB3825FS***	---
½"	⅛"	---	---
	¼"	***HB5025FS***	---
	⅜"	***HB5038FS***	---
¾"	⅛"	---	---
	¼"	***HB7525FS***	---
	⅜"	***HB7538FS***	---
	½"	***HB7550FS***	---
1"	¼"	***HB1025FS***	---
	⅜"	***HB1038FS***	---
	½"	***HB1050FS***	---
	¾"	***HB1075FS***	---
1¼"	¾"	***HB1275FS***	---
	1"	***HB1210FS***	***HB1210B***
1½"	¾"	***HB1575FS***	***HB1575B***
	1"	***HB1510FS***	***HB1510B***
	1¼"	***HB1512FS***	***HB1512B***
2"	½"	---	***HB2050B***
	¾"	***HB2075FS***	***HB2075B***
	1"	***HB2010FS***	***HB2010B***
	1¼"	***HB2012FS***	***HB2012B***
	1½"	***HB2015FS***	***HB2015B***
2½"	1½"	---	***HB2515B***
	2"	***HB2520FS***	***HB2520B***
3"	2"	***HB3020FS***	***HB3020B***
	2½"	***HB3025FS***	***HB3025B***
4"	2"	---	***HB4020B***
	3"	***HB4030FS***	***HB4030B***

- For additional information on pipe dimensions please reference dixonvalve.com

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Reducer Hex Bushings

Feature:
- ref SAE 130140

Female NPTF	Male NPTF	Brass Previous Part #	Brass Part #	Optional Qty	Lead Free Brass [2, 3, 4] Part #
⅛"	¼"	HB1F2M	***3730402C***	100	***3730402CLF***
⅛"	⅜"	HB1F3M	***3730602C***	100	---
¼"		HB2F3M	***3730604C***	100	***3730604CLF***
⅛"	½"	HB1F4M	***3730802C***	25	---
¼"		HB2F4M	***3730804C***	50	***3730804CLF***
⅜"		HB3F4M	***3730806C***	50	***3730806CLF***
⅛"	¾"	HB1F6M	***3731202C*** [1]	25	---
¼"		HB2F6M	***3731204C***	25	---
⅜"		HB3F6M	***3731206C***	25	---
½"		HB4F6M	***3731208C***	25	***3731208CLF***
¼"	1"	HB2F8M	***3731604C*** [1]	10	---
⅜"		HB3F8M	***3731606C*** [1]	10	---
½"		HB4F8M	***3731608C***	10	---
¾"		HB6F8M	***3731612C***	10	---



[1] SAE does not provide a standard for these sizes
[2] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[3] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[4] NPT threads

Adapters

Female NPTF x Male NPTF

Feature:
- ref SAE 130139

Female NPTF	Male NPTF	Brass Previous Part #	Brass Part #	Optional Qty	Lead Free Brass [1, 2, 3] Part #
⅛"	⅛"	RA1F1M	***3750202C***	100	---
¼"	⅛"	RA2F1M	***3750402C***	50	***3750402CLF***
	¼"	RA2F2M	***3750404C***	50	***3750404CLF***
⅜"	⅛"	RA3F1M	***3750602C***	50	---
	¼"	RA3F2M	***3750604C***	50	***3750604CLF***
	⅜"	RA3F3M	***3750606C***	50	---
½"	¼"	RA4F2M	***3750804C***	25	---
	⅜"	RA4F3M	***3750806C***	25	---
	½"	RA4F4M	***3750808C***	25	***3750808CLF***
¾"	⅜"	RA6F3M	***3751206C***	10	---
	½"	RA6F4M	***3751208C***	10	---
	¾"	RA6F6M	***3751212C***	10	***3751212CLF***



[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT threads

Pump Adapters

Features:
- used to convert BSP pump outlets to NPT
- hard-coated, extruded 6061-T6 aircraft aluminum alloy
- other sizes, configurations are available, contact Dixon®

Female BSP	Male NPT	Aluminum Part #
1½"	1½"	***AHA15BSP15T***
2"	2"	***AHA20BSP20T***
2½"	2½"	***AHA25BSP25T***
3"	3"	***AHA30BSP30T***
4"	4"	***AHA40BSP40T***



- For additional information on pipe dimensions please reference dixonvalve.com.

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Pipe Nipples

Long Pipe Nipples

- carbon steel and stainless steel nipples are available on page 661



NPT	Length	Brass Previous Part #	Brass Part #	Optional Qty	*Lead Free Brass* [1, 2] Part #
⅛"	1½"	166-0215	***1660215C***	25	---
	2"	166-0220	***1660220C***	25	---
	2½"	166-0225	***1660225C***	25	---
	3"	166-0230	***1660230C***	25	***1660230CLF***
	3½"	166-0235	***1660235C***	10	---
	4"	166-0240	***1660240C***	10	***1660240CLF***
¼"	1½"	166-0415	***1660415C***	25	***1660415CLF***
	2"	166-0420	***1660420C***	25	***1660420CLF***
	2½"	166-0425	***1660425C***	25	---
	3"	166-0430	***1660430C***	25	***1660430CLF***
	3½"	166-0435	***1660435C***	10	---
	4"	166-0440	***1660440C***	10	***1660440CLF***
	5"	166-0450	***1660450C***	5	---
⅜"	1½"	166-0615	***1660615C***	25	***1660615CLF***
	2"	166-0620	***1660620C***	25	***1660620CLF***
	2½"	166-0625	***1660625C***	10	***1660625CLF***
	3"	166-0630	***1660630C***	10	***1660630CLF***
	3½"	166-0635	***1660635C***	10	---
	4"	166-0640	***1660640C***	5	***1660640CLF***
½"	1½"	166-0815	***1660815C***	10	***1660815CLF***
	2"	166-0820	***1660820C***	10	---
	2½"	166-0825	***1660825C***	10	---
	3"	166-0830	***1660830C***	10	---
	3½"	166-0835	***1660835C***	10	---
	4"	166-0840	***1660840C***	5	---
¾"	2"	166-1220	***1661220C***	5	---
	2½"	166-1225	***1661225C***	5	---
	3"	166-1230	***1661230C***	5	---
	3½"	166-1235	***1661235C***	5	---
1"	2"	---	***TN100X2B***	---	---
	3"	---	***TN100X3B***	---	---
	4"	---	***TN100X4B***	---	---
1½"	2"	---	***TN150X2B***	---	---
	3"	---	***TN150X3B***	---	---
2"	3"	---	***TN200X3B***	---	---
	4"	---	***TN200X4B***	---	---
	6"	---	***TN200X6B***	---	---

[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

Female NPTF x Male NPSM Adapters



Female NPTF	Male NPSM	Brass Previous Part #	Brass Part #	Optional Qty
¼"	¼"	174-0404	***1740404C***	100
⅜"	⅜"	174-0606	***1740606C***	50
½"	½"	174-0808	***1740808C***	50

- For additional information on pipe dimensions please reference dixonvalve.com.

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Pipe Nipples - Threaded Both Ends

Features:
- made from schedule 40 welded pipe
- male NPT x male NPT design
- brass nipples are available, see page 666
- other lengths are also available, consult Dixon® for pricing

Note: do not use pipe nipples as hose inserts.

Male NPT	Overall Length	*Carbon Steel* Part #	*316 Stainless Steel* Part #
¼"	2"	***TN025X2***	---
	6"	---	***TN025X6SS***
⅜"	2"	***TN038X2***	---
	4"	***TN038X4***	---
	6"	***TN038X6***	---
½"	2"	***TN050X2***	***TN050X2SS***
	3"	***TN050X3***	***TN050X3SS***
	4"	***TN050X4***	***TN050X4SS***
	6"	***TN050X6***	***TN050X6SS***
¾"	2"	***TN075X2***	***TN075X2SS***
	3"	***TN075X3***	***TN075X3SS***
	4"	***TN075X4***	***TN075X4SS***
	6"	***TN075X6***	***TN075X6SS***
1"	2"	***TN100X2***	***TN100X2SS***
	3"	***TN100X3***	***TN100X3SS***
	4"	***TN100X4***	***TN100X4SS***
	6"	***TN100X6***	***TN100X6SS***
1¼"	2"	***TN125X2***	***TN125X2SS***
	3"	***TN125X3***	***TN125X3SS***
	4"	***TN125X4***	***TN125X4SS***
	6"	***TN125X6***	***TN125X6SS***
1½"	2"	***TN150X2***	***TN150X2SS***
	3"	***TN150X3***	***TN150X3SS***
	4"	***TN150X4***	***TN150X4SS***
	6"	***TN150X6***	***TN150X6SS***
2"	3"	***TN200X3***	***TN200X3SS***
	4"	***TN200X4***	***TN200X4SS***
	5"	***TN200X5***	***TN200X5SS***
	6"	***TN200X6***	***TN200X6SS***
	8"	***TN200X8***	---
3"	3"	***TN300X3***	***TN300X3SS***
	4"	***TN300X4***	***TN300X4SS***
	6"	***TN300X6***	***TN300X6SS***
4"	4"	***TN400X4***	***TN400X4SS***
	6"	***TN400X6***	***TN400X6SS***
	8"	***TN400X8***	---
6"	6"	***TN600X6***	---
	8"	***TN600X8***	---



carbon steel



stainless steel

Close Pipe Nipples

NPT	*Brass* Previous Part #	*Brass* Part #	Optional Qty	*Lead Free Brass* [1, 2] Part #
⅛"	165-0202	***1650202C***	50	***1650202CLF***
¼"	165-0404	***1650404C***	50	***1650404CLF***
⅜"	165-0606	***1650606C***	100	***1650606CLF***
½"	165-0808	***1650808C***	25	***1650808CLF***
¾"	165-1212	***1651212C***	25	***1651212CLF***
1"	165-1616	***1651616C***	25	---
1½"	---	***CN150B***	5	---
2"	---	***CN200B***	5	---
3"	---	***CN300B***	5	---

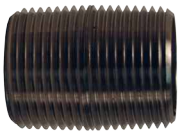


[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

- For additional information on pipe dimensions please reference dixonvalve.com.

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Close Nipples



Features:
- made from schedule 40 welded pipe
- male NPT x male NPT design

Male NPT	Overall Length	*Carbon Steel* Part #	*Galvanized* Part #	*316 Stainless Steel* Part #	Optional Qty
⅛"	¾"	---	---	***CN012SS***	1
¼"	⅞"	***CN025***	***CN025G***	***CN025SS***	25
⅜"	1"	***CN037***	--	***CN037SS***	25
½"	1⅛"	***CN050***	***CN050G***	***CN050SS***	10
¾"	1⅜"	***CN075***	***CN075G***	***CN075SS***	10
1"	1½"	***CN100***	***CN100G***	***CN100SS***	10
1¼"	1⅝"	***CN125***	---	---	10
1½"	1½"	***CN150***	***CN150G***	***CN150SS***	10
2"	2"	***CN200***	***CN200G***	***CN200SS***	10
2½"	2½"	***CN250***	---	---	--
3"	2⅝"	***CN300***	***CN300G***	***CN300SS***	1
4"	2⅝"	***CN400***	---	***CN400SS***	5
6"	3⅛"	***CN600***	---	---	--

Hex Nipples



Feature:
- ref SAE 130137

NPTF	*Brass* Previous Part #	*Brass* Part #	Optional Qty	*Lead Free Brass* [1, 2, 3] Part #
⅛" x ⅛"	BCN12	***3700202C***	100	***3700202CLF***
¼" x ¼"	BCN25	***3700404C***	100	***3700404CLF***
⅜" x ⅜"	BCN37	***3700606C***	50	***3700606CLF***
½" x ½"	BCN50	***3700808C***	25	***3700808CLF***
¾" x ¾"	BCN75	***3701212C***	20	---
1" x 1"	BCN100	***3701616C***	10	---

[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT threads

Straight Hex Nipples



Male NPT	*316 Stainless Steel* Part #
⅜"	***HN38SS***
½"	***HN50SS***
¾"	***HN75SS***
1"	***HN100SS***
1½"	***HN150SS***
2"	***HN200SS***

Reducer Hex Nipples



Feature:
- ref SAE 130137

Male NPTF	*Brass* Previous Part #	*Brass* Part #	Optional Qty
¼" x ⅛"	HN2M1M	***3790402C***	100
⅜" x ⅛"	HN3M1M	***3790602C***	50
⅜" x ¼"	HN3M2M	***3790604C***	50
½" x ¼"	HN4M2M	***3790804C***	50
½" x ⅜"	HN4M3M	***3790806C***	50
¾" x ½"	HN6M4M	***3791208C***	25



Male NPT	Male NPT	*316 Stainless Steel* Part #
⅜"	¼"	***RHN3825SS***
½"	⅜"	***RHN5038SS***
¾"	½"	***RHN7550SS***

Note: do not use pipe nipples as hose inserts.

- For additional information on pipe dimensions please reference dixonvalve.com

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Adapters

Ball Seat to Male Pipe

NPSM	NPTF	Brass Previous Part #	Brass Part #	Optional Qty
⅛"	⅛"	BSM11	***1720202C***	100
¼"	⅛"	BSM21	***1720402C***	100
	¼"	BSM22	***1720404C***	100
⅜"	¼"	BSM32	***1720604C***	100
	⅜"	BSM33	***1720606C***	50
	½"	BSM34	***1720608C***	50
½"	⅜"	BSM43	***1720806C***	50
	½"	BSM44	***1720808C***	50
¾"	¾"	BSM66	***1721212C***	25



Male Unions

NPSM	NPSM	Brass Previous Part #	Brass Part #	Pkg Qty
⅛"	⅛"	176-0202	***1760202C***	100
¼"	¼"	176-0404	***1760404C***	100
⅜"	⅜"	176-0606	***1760606C***	100
½"	½"	176-0808	***1760808C***	50



- For additional information on pipe dimensions please reference dixonvalve.com.

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NPT Threaded 90° Elbows


300# iron


150# iron


150# galvanized iron


150# 316 stainless steel


2000# forged steel


125# brass

Features:
- other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Female NPT	*300# Iron* Part #	*150# Iron* Part #	*150# Galvanized Iron* Part #
⅛"	---	***EL9018***	***EL9018G***
¼"	***300EL9025***	***EL9025***	***EL9025G***
⅜"	***300EL9038***	***EL9038***	***EL9038G***
½"	***300EL9050***	***EL9050***	***EL9050G***
¾"	***300EL9075***	***EL9075***	***EL9075G***
1"	***300EL90100***	***EL90100***	***EL90100G***
1¼"	***300EL90125***	***EL90125***	***EL90125G***
1½"	***300EL90150***	***EL90150***	***EL90150G***
2"	***300EL90200***	***EL90200***	***EL90200G***
2½"	---	***EL90250***	---
3"	---	***EL90300***	***EL90300G***
4"	---	***EL90400***	***EL90400G***
5"	---	***EL90500***	---
6"	---	***EL90600***	---

Female NPT	*150# 316 Stain. Steel* Part #	*2000# Forged Steel* Part #	*125# Brass* Part #
⅛"	***EL9018SS***	---	---
¼"	***EL90025SS***	***EL9025FS***	---
⅜"	***EL90038SS***	***EL9038FS***	---
½"	***EL90050SS***	***EL9050FS***	---
¾"	***EL90075SS***	***EL9075FS***	---
1"	***EL90100SS***	***EL90100FS***	***EL90100B***
1¼"	***EL90125SS***	***EL90125FS***	---
1½"	***EL90150SS***	***EL90150FS***	***EL90150B***
2"	***EL90200SS***	***EL90200FS***	***EL90200B***
3"	***EL90300SS***	---	---
4"	***EL90400SS***	---	---

90° Female Pipe Elbows


brass


lead free brass

Feature:
- ref SAE 130238

Female NPTF	*Extruded Brass* Previous Part #	Part #	Optional Qty	*Forged Lead Free Brass* [1, 2, 3] Part #
⅛"	EL1F1F	***3020202C***	25	---
¼"	EL2F2F	***3020404C***	25	***3020404CLF***
⅜"	EL3F3F	***3020606C***	25	***3020606CLF***
½"	EL4F4F	***3020808C***	25	***3020808CLF***
¾"	EL6F6F	***3021212C***	10	***3021212CLF***

[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread

- For additional information on pipe dimensions please reference dixonvalve.com

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NPT Threaded Reducing Elbows

Feature:
- other sizes are also available, consult Dixon® for pricing and availability

Female NPT	Female NPT	*150# Iron* Part #
¼"	⅛"	***REL2518***
½"	¼"	***REL5025***
½"	⅜"	***REL5038***
¾"	½"	***REL7550***
1"	½"	***REL1050***
1"	¾"	***REL1075***
1¼"	1"	***REL1210***
1½"	1"	***REL1510***
1½"	1¼"	***REL1525***
2"	1"	***REL2010***
2"	1½"	***REL2015***
2½"	2"	***REL2520***
3"	2"	***REL3020***
4"	2"	***REL4020***
4"	3"	***REL4030***



90° Street Elbows

Feature:
- ref SAE 130239

Female NPTF	Male NPTF	*Extruded Brass* Previous Part #	*Extruded Brass* Part #	Optional Qty	*Forged Lead Free Brass* [1, 2] Part #
⅛"	⅛"	SE1F1M	***3040202C***	25	***3040202CLF***
¼"	⅛"	SE2F1M	***3040402C***	25	---
¼"	¼"	SE2F2M	***3040404C***	25	***3040404CLF***
⅜"	¼"	SE3F2M	***3040604C***	25	---
⅜"	⅜"	SE3F3M	***3040606C***	25	***3040606CLF***
½"	⅜"	SE4F3M	***3040806C***	25	---
½"	½"	SE4F4M	***3040808C***	25	***3040808CLF***
¾"	½"	SE6F4M	***3041208C***	25	---
¾"	¾"	SE6F6M	***3041212C***	10	---



brass



lead free brass

[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread

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90° Male Pipe Elbows

Male NPTF	*Forged Brass* Previous Part #	*Forged Brass* Part #	Optional Qty
⅛"	169-0202	***1690202C***	25
¼"	169-0404	***1690404C***	25
⅜"	169-0606	***1690606C***	25
½"	169-0808	***1690808C***	25



- For additional information on pipe dimensions please reference dixonvalve.com.

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NPT Threaded 90° Street Elbows


150# iron


150# galvanized iron


150# 316 stainless steel


3000# forged steel


125# brass

Features:
- other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Male NPT	Female NPT	*150# Iron* Part #	*150# Galvanized Iron* Part #	*150# 316 Stain. Steel* Part #
⅛"	⅛"	***SE9018***	***SE9018G***	***SE9018SS***
¼"	¼"	***SE9025***	***SE9025G***	***SE9025SS***
⅜"	⅜"	***SE9038***	***SE9038G***	***SE9038SS***
½"	½"	***SE9050***	***SE9050G***	***SE9050SS***
¾"	¾"	***SE9075***	***SE9075G***	***SE9075SS***
1"	1"	***SE9010***	***SE9010G***	***SE9010SS***
1¼"	1¼"	***SE9012***	***SE9012G***	***SE9012SS***
1½"	1½"	***SE9015***	***SE9015G***	***SE9015SS***
2"	2"	***SE9020***	***SE9020G***	***SE9020SS***
2½"	2½"	***SE90250***	---	---
3"	3"	***SE90300***	***SE9030G***	---
4"	4"	***SE90400***	---	---
6"	6"	***SE90600***	---	---

Male NPT	Female NPT	*3000# Forged Steel* Part #	*125# Brass* Part #
⅛"	⅛"	---	---
¼"	¼"	***SE9025FS***	---
⅜"	⅜"	***SE9038FS***	---
½"	½"	***SE9050FS***	---
¾"	¾"	***SE9075FS***	***SE9075B***
1"	1"	***SE9010FS***	***SE9010B***
1¼"	1¼"	***SE9012FS***	***SE9012B***
1½"	1½"	***SE9015FS***	***SE9015B***
2"	2"	***SE9020FS***	***SE9020B***

- For additional information on pipe dimensions please reference dixonvalve.com.

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NPT Threaded 45 Elbows

Female NPT	*150# Iron* Part #
⅛"	***EL4518***
¼"	***EL4525***
⅜"	***EL4538***
½"	***EL4550***
¾"	***EL4575***
1"	***EL45100***
1¼"	***EL45125***
1½"	***EL45150***
2"	***EL45200***
2½"	***EL45250***
3"	***EL45300***
4"	***EL45400***
5"	***EL45500***
6"	***EL45600***



Size	*150# Iron* Part #	*150# Galvanized Iron* Part #
⅛"	***SE4518***	---
¼"	***SE4525***	***SE4525G***
⅜"	***SE4538***	---
½"	***SE4550***	***SE4550G***
¾"	***SE4575***	***SE4575G***
1"	***SE45100***	---
1¼"	***SE45125***	***SE45125G***
1½"	***SE45150***	***SE45150G***
2"	***SE45200***	***SE45200G***
2½"	***SE45250***	***SE45250G***
3"	***SE45300***	***SE45300G***
4"	***SE45400***	***SE45400G***



150# galvanized iron

Feature:
- ref SAE 130339

Female NPTF	Male NPTF	*Extruded Brass* Previous Part #	Part #	Optional Qty
⅛"	⅛"	306-0202	***3060202C***	25
¼"	¼"	306-0404	***3060404C***	25
⅜"	⅜"	306-0606	***3060606C***	25
½"	½"	306-0808	***3060808C***	25
¾"	¾"	306-1212	***3061212C***	10



- For additional information on pipe dimensions please reference dixonvalve.com.

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NPT Threaded Female Tees


300# iron


150# iron


150# galvanized iron


150# 316 stainless steel


2000# forged steel


125# brass

Female NPT	*300# Iron* Part #	*150# Iron* Part #	*150# Galvanized Iron* Part #
⅛"	---	***FT18***	---
¼"	***300FT25***	***FT25***	***FT25G***
⅜"	***300FT38***	***FT38***	***FT38G***
½"	***300FT50***	***FT50***	***FT50G***
¾"	---	***FT75***	***FT75G***
1"	***300FT10***	***FT10***	***FT100G***
1¼"	***300FT120***	***FT120***	***FT120G***
1½"	---	***FT15***	***FT150G***
2"	***300FT200***	***FT200***	***FT200G***
2½"	---	***FT250***	---
3"	---	***FT30***	***FT300G***
4"	---	***FT40***	***FT400G***
5"	---	***FT500***	---
6"	---	***FT60***	---

Female NPT	*150# 316 Stainless Steel* Part #	*2000# Forged Steel* Part #	*125# Brass* Part #
⅛"	---	---	---
¼"	***FT25SS***	***FT25FS***	---
⅜"	***FT38SS***	---	---
½"	***FT50SS***	***FT50FS***	---
¾"	***FT75SS***	***FT75FS***	***FT75B***
1"	***FT10SS***	***FT100FS***	***FT10B***
1¼"	***FT120SS***	***FT120FS***	---
1½"	***FT150SS***	***FT150FS***	***FT15B***
2"	***FT200SS***	***FT200FS***	***FT20B***

Female Tees


brass


lead free brass

Feature:
- ref SAE 130438

NPTF Thread	*Extruded Brass* Previous Part #	*Extruded Brass* Part #	Optional Qty	*Forged Lead Free Brass* [1, 2, 3] Part #
⅛"	322-0202	***3220202C***	25	***3220202CLF***
¼"	322-0404	***3220404C***	25	***3220404CLF***
⅜"	322-0606	***3220606C***	25	***3220606CLF***
½"	322-0808	***3220808C***	25	***3220808CLF***
¾"	322-1212	***3221212C***	10	***3221212CLF***

[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread

- For additional information on pipe dimensions please reference dixonvalve.com

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NPT Threaded Side Outlet Elbows

Female NPT	*150# Iron* Part #
⅛"	***SOE18***
¼"	***SOE25***
⅜"	***SOE38***
½"	***SOE50***
¾"	***SOE75***
1"	***SOE100***
1¼"	***SOE120***
1½"	***SOE150***
2"	***SOE200***



NPT Threaded Female Reducing Tees

Female NPT	Female NPT	*150# Iron* Part #
⅜"	¼"	***FRT3825***
½"	⅜"	***FRT5038***
¾"	½"	***FRT7550***
1"	½"	***FRT1050***
1¼"	1"	***FRT1210***
1½"	1"	***FRT1510***
2"	1"	***FRT2010***
2"	1½"	***FRT2015***
3"	2"	***FRT3020***



NPT Threaded Street Service Tees

NPT	*150# Iron* Part #
½"	***SST50***
¾"	***SST75***
1"	***SST100***
1½"	***SST150***



NPT Threaded Bull Head Tees

Female NPT	Female NPT	*150# Iron* Part #
½"	¾"	***BHT1575***
½"	1"	***BHT1510***
¾"	1"	***BHT7510***
1"	1½"	***BHT1015***
1"	2"	***BHT1020***
1½"	2"	***BHT1520***
2"	2½"	***BHT2025***



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NPT Threaded Side Outlet Tees

Female NPT	*150# Iron* Part #
½"	***SOT50***
¾"	***SOT75***
1"	***SOT100***
1¼"	***SOT120***
1½"	***SOT150***
2"	***SOT200***



- For additional information on pipe dimensions please reference dixonvalve.com.

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Street Tees



Feature:
- ref SAE 130424

Female NPTF	Male NPTF	*Extruded Brass* Previous Part #	*Extruded Brass* Part #	Optional Qty	*Lead Free Brass* [1, 2, 3] Part #
⅛"	⅛"	326-0202	***3260202C***	25	**---**
¼"	¼"	326-0404	***3260404C***	25	***3260404CLF***
⅜"	⅜"	326-0606	***3260606C***	25	**---**
½"	½"	326-0808	***3260808C***	25	**---**
¾"	¾"	326-1212	***3261212C***	10	**---**

[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread

Male Branch Tees



Feature:
- ref SAE 130425

NPTF	*Extruded Brass* Previous Part #	*Extruded Brass* Part #	Optional Qty	*Lead Free Brass* [1, 2, 3] Part #
⅛"	324-0202	***3240202C***	25	**---**
¼"	324-0404	***3240404C***	25	**---**
⅜"	324-0606	***3240606C***	25	***3240606CLF***
½"	324-0808	***3240808C***	25	**---**
¾"	324-1212	***3241212C***	10	**---**

[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread

NPT Threaded Crosses



Female NPT	*150# Iron* Part #
⅛"	***MIC18***
¼"	***MIC25***
⅜"	***MIC38***
½"	***MIC50***
¾"	***MIC75***
1"	***MIC100***
1¼"	***MIC125***
1½"	***MIC150***
2"	***MIC200***
2½"	***MIC250***
3"	***MIC300***
4"	***MIC400***

Pipe Crosses



Female NPTF	*Extruded Brass* Previous Part #	*Extruded Brass* Part #	Optional Qty
⅛"	228-0202	***2280202C***	25
¼"	228-0404	***2280404C***	25
⅜"	228-0606	***2280606C***	25
½"	228-0808	***2280808C***	10
¾"	228-1212	***2281212C***	10

- For additional information on pipe dimensions please reference dixonvalve.com.

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NPT Threaded Caps

Features:
- other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Female NPT	*300# Iron* Part #	*150# Iron* Part #
⅛"	---	***MICAP18***
¼"	---	***MICAP25***
⅜"	---	***MICAP38***
½"	***300MICAP50***	***MICAP50***
¾"	***300MICAP75***	***MICAP75***
1"	***300MICAP100***	***MICAP100***
1¼"	***300MICAP125***	***MICAP120***
1½"	***300MICAP150***	***MICAP150***
2"	***300MICAP200***	***MICAP200***
2½"	---	***MICAP250***
3"	---	***MICAP300***
4"	---	***MICAP400***
5"	---	***MICAP500***
6"	---	***MICAP600***


300# iron


150# iron

Female NPT	*150# Galvanized Iron* Part #	*150# 316 Stainless Steel* Part #
⅛"	---	***SSCAP18***
¼"	---	***SSCAP25***
⅜"	---	***SSCAP38***
½"	***MICAP50G***	***SSCAP50***
¾"	***MICAP75G***	***SSCAP75***
1"	---	***SSCAP10***
1¼"	---	***SSCAP12***
1½"	---	***SSCAP15***
2"	***MICAP200G***	***SSCAP20***


150# galvanized iron


150# 316 stainless steel

NPT Pipe Caps

Female NPT	Optional Qty	*Lead Free Brass* [1, 2, 3] Part #
⅛"	50	***2130200CLF***
¼"	100	***2130400CLF***
⅜"	25	***2130600CLF***
½"	25	***2130800CLF***
¾"	25	***2131200CLF***



[1] lead free per NSF/ANSI 372
[2] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[3] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

- For additional information on pipe dimensions please reference dixonvalve.com.

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NPT Threaded Square Head Plugs


150# iron


150# galvanized iron


150# 316 stainless steel


3000# forged steel


125# brass

Feature:
- forged steel and brass plugs are solid, all others are cored

Male NPT	*150# Iron* Part #	*150# Galvanized Iron* Part #	*150# 316 Stain. Steel* Part #
⅛"	***SHP18***	***SHP18G***	***SHP18SS***
¼"	***SHP14***	***SHP14G***	***SHP14SS***
⅜"	***SHP38***	***SHP38G***	***SHP38SS***
½"	***SHP50***	***SHP50G***	***SHP50SS***
¾"	***SHP75***	***SHP75G***	***SHP75SS***
1"	***SHP100***	***SHP100G***	***SHP100SS***
1¼"	***SHP125***	***SHP125G***	***SHP125SS***
1½"	***SHP150***	***SHP150G***	***SHP150SS***
2"	***SHP200***	***SHP200G***	***SHP200SS***
2½"	***SHP250***	***SHP250G***	***SHP250SS***
3"	***SHP300***	***SHP300G***	***SHP300SS***
4"	***SHP400***	***SHP400G***	***SHP400SS***
5"	***SHP500***	---	---
6"	***SHP600***	***SHP600G***	---

Male NPT	*3000# Forged Steel* Part #	*125# Brass* Part #
⅛"	---	***2110200C*** [1, 2]
¼"	***SHP14FS***	***2110400C*** [1, 2]
⅜"	***SHP38FS***	***2110600C*** [1, 2]
½"	***SHP50FS***	***2110800C*** [1, 2]
¾"	***SHP75FS***	***2111200C*** [1, 2]
1"	***SHP100FS***	***SHP100B***
1½"	***SHP150FS***	***SHP150B***
2"	***SHP200FS***	---
3"	***SHP300FS***	---

[1] lead free brass per NSF/ANSI 372, Brass Alloy 260/270
[2] threads are PTF-SAE

Hex Head Plugs



NPT	*Brass* Previous Part #	*Brass* Part #	Pkg Qty	*Lead Free Brass* [1, 2] Part #
⅛"	HHP1M	***1630200C***	50	***1630200CLF***
¼"	HHP2M	***1630400C***	100	***1630400CLF***
⅜"	HHP3M	***1630600C***	25	---
½"	HHP4M	***1630800C***	25	---
¾"	HHP6M	***1631200C***	25	---
1"	HHP8M	***1631600C***	10	---

- standard brass hex head plug is hollow; lead free brass is solid

[1] lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

Hex Socket Plugs



NPTF	*Lead Free Brass* [1] Previous Part #	*Lead Free Brass* [1] Part #	Optional Qty
⅛"	219-0200	***2190200C***	50
¼"	219-0400	***2190400C***	100
⅜"	219-0600	***2190600C***	25
½"	219-0800	***2190800C***	25
¾"	219-1200	***2191200C***	25

[1] lead free brass per NSF/ANSI 372, Brass Alloy 260/270

- For additional information on pipe dimensions please reference dixonvalve.com

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Polypropylene Schedule 80 - Pipe Couplings

Female NPT	*Polypropylene* Part #
¾"	***62238***
1"	***62239***
1½"	***62241***
2"	***62194***



Tuff-Lite™ - Female NPT x Female NPT Adapters

- sold in package quantity only

Female NPT	Female NPT	*Nylon* Part #	Pkg Qty
½"	½"	***TA994***	25
¾"	¾"	***TA996***	25



Polypropylene Schedule 80 - Reducer Bushings

Male NPT	Female NPT	*Polypropylene* Part #
½"	¼"	***62267***
¾"	½"	***62272***
1"	½"	***62275***
1"	¾"	***62276***
1¼"	¾"	***62277***
1¼"	1"	***62278***
1½"	¾"	***62279***
1½"	1"	***62280***
1½"	1¼"	***62281***
2"	¾"	***62195***
2"	1"	***62196***
2"	1¼"	***62197***
2"	1½"	***62198***
3"	2"	***60330***



Tuff-Lite™ - Male NPT x Female Threaded Swivel Nut Adapters

- female shipped with a red vinyl washer (***TVW7***), replacement washers on page 242

Male NPT	Female Thread	*Nylon* Part #
¼"	¾" GHT	***TSA72***
⅜"	¾" GHT	***TSA73***
¼"	¾" NPS	***TSA62***
⅜"	¾" NPS	***TSA63***



Tuff-Lite™ - Reducing Bushings

Male NPT	Female NPT	*Nylon* Part #
⅜"	¼"	***THB32***
½"	¼"	***THB42***
½"	⅜"	***THB43***
¾"	½"	***THB64***
1"	¾"	***THB86***



- For additional information on pipe dimensions please reference dixonvalve.com.

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Tuff-Lite™ - Close Nipples



- sold in package quantity only

Male NPT	*Nylon* Part #	Pkg Qty
¼"	***TCN202***	50
⅜"	***TCN303***	50
½"	***TCN404***	50
¾"	***TCN606***	50

Polypropylene Schedule 80 - Hex Nipples



Male NPT	*Polypropylene* Part #
½"	***62221***
¾"	***60554***
1"	***60555***
1¼"	***60556***
1½"	***60547***
2"	***60548***
3"	***61769***

Polypropylene Schedule 80 - Reducer Nipples



Male NPT	Male NPT	*Polypropylene* Part #
¾"	½"	***62233***
1"	¾"	***62234***
1¼"	1"	***62235***
1½"	1¼"	***62236***
2"	1½"	***60549***

Polypropylene Schedule 80 - Nipples



Male NPT	Length	*Polypropylene* Part #
¾"	4"	***62223***
¾"	6"	***62224***
1"	4"	***62225***
1"	6"	***62226***
2"	4"	***62192***
2"	6"	***62193***

- For additional information on pipe dimensions please reference dixonvalve.com.

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Polypropylene Schedule 80 - 90° Elbows

Female NPT	*Polypropylene* Part #
½"	***62215***
¾"	***62216***
1"	***62217***
1½"	***62219***
2"	***62191***
3"	***62220***



Tuff-Lite™ - Street Female NPT x 90° Male NPT Elbows

Female NPT	Male NPT	*Nylon* Part #
¼"	¼"	***TSE22***
½"	½"	***TSE44***
¾"	¾"	***TSE66***



Polypropylene Schedule 80 - 90° Street Elbows

NPT Thread	*Polypropylene* Part #
½"	***62243***
¾"	***62244***
1"	***62245***
1¼"	***62246***
1½"	***62247***
2"	***62199***
3"	***62248***



Polypropylene Schedule 80 - Tees

Female NPT	*Polypropylene* Part #
½"	***62209***
¾"	***62210***
1"	***62211***
1¼"	***62212***
1½"	***62213***
2"	***62190***
3"	***62214***



Polypropylene Schedule 80 - Cross

Female NPT	*Polypropylene* Part #
1"	***62263***



- For additional information on pipe dimensions please reference dixonvalve.com.

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Tuff-Lite™ - Female Threaded Swivel Nuts



Female Thread	*Nylon* Part #
¾" NPSM	***TCF6***
¾" GHT	***TCF7***

Tuff-Lite™ - Threaded Caps

- sold in package quantity only



Female Thread	*Nylon* Part #	Pkg Qty
¼" NPT	***TTC2***	50
⅜" NPT	***TTC3***	50
½" NPT	***TTC4***	50
¾" NPT	***TTC6***	50
¾" GHT	***TTC7***	50

Tuff-Lite™ - Hex Head Drain Plugs

- sold in package quantity only



Male NPT	*Nylon* Part #	Pkg Qty
⅛"	***TPX1***	50
¼"	***TPX2***	50
⅜"	***TPX3***	50
½"	***TPX4***	50
¾"	***TPX6***	50
1"	***TPX8***	50
1¼"	***TPX10***	25

Tuff-Lite™ - Square Head Drain Plugs

- sold in package quantity only



Male NPT	*Nylon* Part #	Pkg Qty
⅛"	***TPS1***	50
¼"	***TPS2***	50
⅜"	***TPS3***	50
½"	***TPS4***	50
¾"	***TPS6***	50
1"	***TPS8***	50
1¼"	***TPS10***	25

Polypropylene Schedule 80 - Pipe Caps



Female NPT	*Polypropylene* Part #
¾"	***62250***
1"	***62251***

PolypropyleneSchedule 80 - Pipe Plugs



Male NPT	*Polypropylene* Part #
¾"	***62256***
1"	***62257***
1¼"	***62258***
1½"	***62259***
2"	***62201***

- For additional information on pipe dimensions please reference dixonvalve.com

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Bulkhead Fittings

Application:
- for use on most poly storage tanks and many steel and fiberglass tanks

Features:
- glass reinforced polypropylene provides strength and chemical resistance
- EPDM gaskets are standard
- FKM gaskets are available, contact Dixon® to order


63931


63481


63683

female NPT fittings

Female NPT	Hole Size	*Polypropylene* Part #
½"	1-7/16"	***62834***
¾"	1-7/16"	***60401***
1"	2-1/4"	***60427***
1¼"	2-1/4"	***60403***
1½"	3"	***60124*** NEW
1½"	2-3/8"	***63931*** [1]
2"	3"	***60405***
2"	3"	***63481*** [2]
2" HD [3]	3-1/4"	***63683***
3"	4-1/2"	***62299*** [1]

[1] 1½" and 3" do not contain a washer
[2] designed for tank wall thickness less than ⅜" - low profile

Gaskets

Size	*EPDM* Part #
½" - ¾"	***60402***
1" - 1¼"	***60404***
1½"	***63938***
2"	***60406***
2" HD [1]	***60336***
3"	***60331***



[1] heavy duty

Bulkhead Couplings

Female NPTF	External Male UNS	Length	*Brass* Part #
⅛"	5/8"	1.50"	***207BH2***
¼"	3/4"	1.50"	***207BH4***
¼"	3/4"	.94"	***207BH4S***
⅜"	1"	1.31"	***207BH6***
½"	1-1/8"	1.50"	***207BH8***
¾"	1-5/16"	1.50"	***207BH12***



Note: washer nut is 12L14 steel

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Polypropylene Female NPT fittings



Features:
- bolts thread into back plate of fitting leaving no welds, holes as potential points of leakage
- 316 stainless steel bolts
- 2 required, EPDM gaskets are standard (sold separately)
- FKM gaskets are available, contact Dixon®

Size	*Polypropylene* Part #
¾"	***60502***
1"	***60505***
1½"	***60513***
2"	***60516***

Gaskets



Size	*EPDM* Part #
¾" - 1"	***60498***
1½" - 2"	***60497***

Stainless Steel Female NPT fittings



Features:
- bolts thread into back plate of fitting leaving no welds, holes as potential points of leakage
- 316 stainless steel bolts
- required, cross-linked polyethylene gaskets are standard (*sold separately*)
- FKM and EPDM gaskets are available, contact Dixon®

Size	*Stainless Steel* Part #
¾"	***63035***
1"	***62948***
1½"	***63037***
2"	***63038***

Gaskets



Size	*Cross-Linked Polyethylene* Part #
¾" - 1"	***62950***
1½"	***63042***
2"	***62848***

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Swage Nipples

Features:

- manufactured in conformance with ASTM A234 and MSS SP-95
- threads on nipples conform to ASME B1.20.1
- schedule 40 nipples have blue caps
- schedule 80 nipples have green caps



Male NPT	Length	*Zinc Plated Schedule 40* Part #
2" x 1"	6.5"	***SW40-200100***
2" x 1¼"	6.5"	***SW40-200125***
2" x 1½"	6.5"	***SW40-200150***
2½" x 1"	7"	***SW40-250100***
2½" x 1½"	7"	***SW40-250150***
2½" x 2"	7"	***SW40-250200***
3" x 2"	8"	***SW40-300200***
3" x 2½"	8"	***SW40-300250***
4" x 2"	9"	***SW40-400200***
4" x 2½"	9"	***SW40-400250***
4" x 3"	9"	***SW40-400300***
6" x 3"	12"	***SW40-600300***
6" x 4"	12"	***SW40-600400***
8" x 4"	13"	***SW40-800400***
8" x 6"	13"	***SW40-800600***



Male NPT	Length	*Zinc Plated Schedule 80* Part #
½" x ¼"	2.8"	***SW80-050025***
½" x ⅜"	2.8"	***SW80-050038***
¾" x ½"	3.0"	***SW80-075050***
1" x ¼"	3.5"	***SW80-100025***
1" x ½"	3.5"	***SW80-100050***
1" x ¾"	3.5"	***SW80-100075***
2" x ½"	6.5"	***SW80-200050***
2" x ¾"	6.5"	***SW80-200075***
2" x 1"	6.5"	***SW80-200100***
2" x 1¼"	6.5"	***SW80-200125***
2" x 1½"	6.5"	***SW80-200150***
2½" x 2"	7.0"	***SW80-250200***
3" x 1"	8.0"	***SW80-300100***
3" x 2"	8.0"	***SW80-300200***
3" x 2½"	8.0"	***SW80-300250***
4" x 2"	9.0"	***SW80-400200***
4" x 3"	9.0"	***SW80-400300***
4" x 4"	9.0"	***SW80-400400***
6" x 3"	12.0"	***SW80-600300***
6" x 4"	12.0"	***SW80-600400***
8" x 6"	13.0"	***SW80-800600***

- For additional information on pipe dimensions please reference dixonvalve.com.

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Bull Plugs



schedule 80

Features:
- manufactured in conformance with ASTM A234 and MSS SP-95
- threads on nipples conform to ASME B1.20.1
- schedule 40 nipples have blue caps
- schedule 80 nipples have green caps

Male NPT	Length	*Zinc Plated Schedule 40* Part #	*Zinc Plated Schedule 80* Part #
2"	4"	***BP40-200***	***BP80-200***
2½"	5"	***BP40-250***	***BP80-250***
3"	6"	***BP40-300***	***BP80-300***
4"	7"	***BP40-400***	***BP80-400***

Bull Plugs with Tap



schedule 40

Features:
- manufactured in conformance with ASTM A234 and MSS SP-95
- threads on nipples conform to ASME B1.20.1
- schedule 40 nipples have blue caps
- schedule 80 nipples have green caps

Male NPT	Length	*Zinc Plated Schedule 40* Part #	*Zinc Plated Schedule 80* Part #
2" x ¼"	4"	***BP40-200T025***	***BP80-200T025***
2" x ½"	5"	***BP40-200T050***	***BP80-200T050***
3" x ½"	6"	***BP40-300T050***	***BP80-300T050***
4" x ½"	7"	***BP40-400T050***	***BP80-400T050***

- For additional information on pipe dimensions please reference dixonvalve.com

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Hammer Unions

Features:
- Socket weld configurations and other materials are available, contact Dixon® for further information.
- Hammer unions work at extremely high pressures. Mismatching components of one series with another (i.e. series 602 with series 1502) can lead to destruction of property, serious bodily injury or death.
- temperature range: **-20°F** to **250°F (-29°C** to **121°C)**
- non-shocking cold water pressure means that the rated value is the maximum operating pressure at ambient temperature
- no spikes higher than this pressure
- no instantaneous pressure increases (0-2000 PSIG in ¼ of a second)
- ambient temperature: **70°F (21°C)**

100 Series

Features:
- used on low pressure manifolds and lines and in applications running air, water, oil or gas up to **1,000 PSI NSCWP** (non-shock cold working pressure)
- yellow sub, black nut



Size	Configuration	NSCWP (PSI)	*Forged Steel* Part #
2"	threaded	**1000**	***HU100200***
	buttweld	**1000**	***HU100200BW*** [1]
2½"	threaded	**1000**	***HU100250***
3"	threaded	**1000**	***HU100300***
4"	threaded	**1000**	***HU100400***
	buttweld	**1000**	***HU100400BW*** [1]
6"	threaded	**1000**	***HU100600***
8"	threaded	**1000**	***HU100800***

[1] buttweld ends are schedule 40

200 Series

Features:
- used in general service applications running air, water, oil or gas up to **2,000 PSI NSCWP** (non-shock cold working pressure)
- Nitrile O-ring mounted sub provides excellent sealing properties
- grey sub, blue nut



Size	Configuration	NSCWP (PSI)	*Forged Steel* Part #
1"	threaded	**2000**	***HU200100***
1½"	threaded	**2000**	***HU200150***
2"	threaded	**2000**	***HU200200***
	buttweld	**2000**	***HU200200BW*** [1]
2½"	threaded	**2000**	***HU200250***
3"	threaded	**2000**	***HU200300***
4"	threaded	**2000**	***HU200400***
6"	threaded	**2000**	***HU200600***
8"	threaded	**2000**	***HU200800***

[1] buttweld ends are schedule 40

206 Series

Features:
- used in general service applications running air, water, oil and gas up to **2,000 PSI NSCWP** (non-shock cold working pressure)
- Nitrile O-ring mounted sub provides excellent sealing properties
- grey sub, blue nut



Size	Configuration	NSCWP (PSI)	*Forged Steel* Part #
1"	threaded	**2000**	***HU206100***
1½"	threaded	**2000**	***HU206150***
2"	threaded	**2000**	***HU206200***
2½"	threaded	**2000**	***HU206250***
3"	threaded	**2000**	***HU206300***
4"	threaded	**2000**	***HU206400***
6"	threaded	**2000**	***HU206600***
8"	threaded	**2000**	***HU206800***

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Hammer Unions

400 Series



Features:
- used on manifold and line connections, pump, suction and mud service
- up to **4,000 PSI NSCWP** (non-shock cold working pressure)
- red sub, black nut

Size	Configuration	NSCWP (PSI)	*Forged Steel* Part #
2"	threaded	**4000**	***HU400200***
3"	threaded	**4000**	***HU400300***
4"	threaded	**4000**	***HU400400***

602 Series



Features:
- for use in mud, manifold service and truck mounting applications running water, oil or mud up to **6,000 PSI NSCWP** (non-shock cold working pressure)
- lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- orange sub, black nut

Size	Configuration	NSCWP (PSI)	*Forged Steel* Part #
1"	threaded	**6000**	***HU602100***
2"	threaded	**6000**	***HU602200***
	buttweld	**6000**	***HU602200BW*** [1]
3"	threaded	**6000**	***HU602300***
	buttweld	**6000**	***HU602300BW*** [1]
4"	threaded	**6000**	***HU602400***
	buttweld	**6000**	***HU602400BW*** [1]

[1] buttweld ends are schedule 80

1002 Series



Features:
- for use in high pressure systems and truck mounting applications running water, oil or mud up to **10,000 PSI NSCWP** (non-shock cold working pressure)
- lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- blue sub, red nut

Size	Configuration	NSCWP (PSI)	*Forged Steel* Part #
1"	threaded	**10000**	***HU1002100***
2"	threaded	**10000**	***HU1002200***
	buttweld	**10000**	***HU1002200BW*** [1]
3"	threaded	**10000**	***HU1002300***
	buttweld	**10000**	***HU1002300BW*** [1]
4"	threaded	**10000**	***HU1002400***
	buttweld	**10000**	***HU1002400BW*** [1]

[1] buttweld ends are schedule XXS

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Hammer Unions

1502 Series

Features:
- for use in extreme high pressure applications running water, oil or mud up to **15,000 PSI** NSCWP (non-shock cold working pressure)
- lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- red sub, blue nut



Size	Configuration	NSCWP (PSI)	*Forged Steel* Part #
2"	threaded	**15000**	***HU1502200***
	buttweld	**15000**	***HU1502200BW*** [1]
3"	threaded	**15000**	***HU1502300***
	buttweld	**15000**	***HU1502300BW*** [1]
4"	threaded	**15000**	***HU1502400***
	buttweld	**15000**	***HU1502400BW*** [1]

[1] buttweld ends are schedule XXS

Hookie - Hook Hose Lifter

Features:
- for use with hammer unions on pages 681, 683
- safe working load is 4 tons, with a proof load test of 8 tons
- supplied complete with retaining clamp



Size	*Forged Steel* Part #
3"	***HA0900-3***
4"	***HA0900-4***
5"	***HA0900-5***

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NPT Threaded Pipe Fittings



Size	Overall Length	*Carbon Steel* Part #	*304 Stainless Steel* Part #	*Aluminum* Part #
¼"	2"	***PN250***	***PNS250***	---
⅜"	2"	***PN375***	***PNS375***	---
½"	2"	***PN500***	***PNS500***	---
¾"	2"	***PN750***	***PNS750***	---
1"	2"	***PN1000***	***PNS1000***	---
1¼"	2"	***PN1250***	***PNS1250***	---
1½"	2"	***PN1500***	***PNS1500***	---
2"	2"	***PN2000***	***PNS2000***	---
2½"	3"	***PN2500***	***PNS2500***	---
3"	3"	***PN3000***	***PNS3000***	***APN3000***
4"	4"	***PN4000***	***PNS4000***	***APN4000***

Dixon® Hex Nipples for Welding to Metal Hose



carbon steel



machined brass



global stainless

Size	*Carbon Steel* [1] Part #	Optional Qty	*Machined Brass* Part #
¼"	***FM250***	200	***FMB250***
⅜"	***FM375***	100	***FMB375***
½"	***FM500***	50	***FMB500***
¾"	***FM750***	50	***FMB750***
1"	***FM1000***	50	***FMB1000***
1¼"	***FM1250***	50	---
1½"	***FM1500***	50	---
2"	***FM2000***	10	---

Size	*304 Stainless Steel* [1] Part #	Optional Qty	*316 Stainless Steel* [1] Part #
¼"	***FMS250***	200	---
⅜"	***FMS375***	100	---
½"	***FMS500*** [2]	50	***FMR500*** [2]
¾"	***FMS750*** [2]	50	***FMR750*** [2]
1"	***FMS1000*** [2]	50	***FMR1000*** [2]
1¼"	***FMS1250***	50	---
1½"	***FMS1500***	50	***FMR1500***

[1] Dixon® suggests using 308 LSI welding rod
[2] global stainless steel

Dixon® Octagonal Nipples for Welding to Metal Hose



Size	Overall Length	Weld-On Length	Hex Length	*Carbon Steel* Part #	*304 Stainless Steel* Part #
2"	2½"	⅞"	9/16"	***OCTOE32***	***OCTOES32***

- For additional information on pipe dimensions please reference dixonvalve.com

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Dixon® Octagonal Wrench Grips

Size	Across Outside Flats	Across Inside Flats	Width	*304 Stainless Steel* Part #
1½"	2.230"	1.910"	9/16"	***OCTS24***
2"	2.781"	2.385"	9/16"	***OCTS32***
3"	3.750"	3.510"	7/8"	***OCTS48***

Size	Across Outside Flats	Across Inside Flats	Width	*304 Stainless Steel* Part #
2"	2.740"	2.510"	9/16"	***OCT32***



Dixon® Weld-On Hex Wrench Grips

Size	*Global Investment Cast Steel* Part #
1"	***WN12***
1¼"	***WN16***
1½"	***WN21***
2"	***WN26***
2½"	***WN31***
3"	***WN36***
4"	***WN46***



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Straub Grip-L Axial Restraint Pipe Couplings

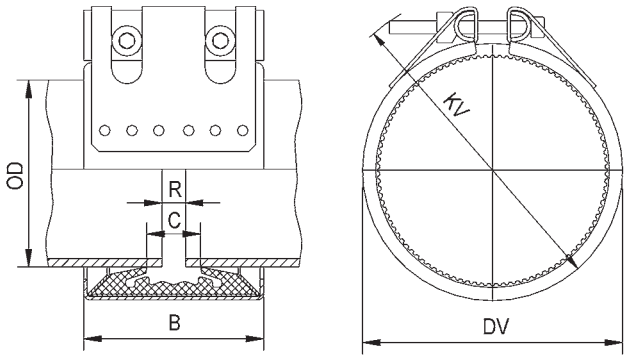
Application:
- suitable for pipes within the lower pressure range, applications include, but are not limited to: ship building, water and waste water treatment plants and industrial process pipe work

Features:
- joins like or dissimilar pipe materials: steel, galvanized, painted, stainless steel, thin-wall stainless steel, PVC, copper
- requires no special tools or pipe-end preparation; only a torque wrench is required for a secure and safe pipe connection that seldom needs retightening
- accommodates up to 5° of pipe misalignment
- vary gap between pipe ends
- absorbs vibration, water hammer and sound
- special patented grip ring for superior holding power on hard-surfaced pipes
- 5 year limited warranty
- reusable
- EPDM sealing sleeve temperature range: **- 4°F** to **176°F (-20°C** to **80°C)**
- NBR and FKM sleeves available, contact Dixon® for information



Materials:
- casing: AISI 316Ti; screws: AISI 316 L; bolts: AISI 316 Ti; anchoring ring: AISI 301; sealing sleeve: EPDM standard

Specifications:
- American Bureau of Shipping (ABS) up to **232** PSI on ¾" - 5"; **188** PSI on 6"; **145** PSI on 8"
- Underwriter's Laboratories (UL)
- National Sanitation Foundation (NSF)
- built to ASTM 1476, Type 2, Class 2 specifications



Size	Pipe OD Range actual	Pipe OD Range min to max	Working Pressure **PSI**	Coupling Dimensions B	Coupling Dimensions C	Assembled Dimensions DV	Assembled Dimensions KV	Maximum Distance Between Pipe End R	*316 Ti Stainless Steel* Part #
¾"	1.05"	1.04" to 1.08"	**670**	1.8"	0.7"	1.7"	2.8"	0.2"	***STR20000*** [1]
1"	1.31"	1.31" to 1.35"	**550**	1.8"	0.7"	2.0"	3.0"	0.2"	***STR20100*** [1]
1½"	1.90"	1.88" to 1.92"	**440**	2.4"	1.0"	2.6"	3.9"	0.2"	***STR20300*** [1]
2"	2.37"	2.35" to 2.40"	**320**	3.0"	1.5"	3.1"	4.3"	0.4"	***STR20450*** [1]
2½"	2.87"	2.85" to 2.90"	**450**	3.7"	1.6"	3.9"	5.3"	0.4"	***STR20500***
3"	3.50"	3.46" to 3.54"	**320**	3.7"	1.6"	4.4"	5.9"	0.4"	***STR20650***
4"	4.50"	4.46" to 4.54"	**232**	3.7"	1.6"	5.4"	6.7"	0.4"	***STR20900***
5"	5.50"	5.51" to 5.62"	**232**	4.3"	2.1"	6.5"	8.3"	0.4"	***STR21150***
6"	6.63"	6.56" to 6.69"	**232**	4.3"	2.1"	7.6"	9.1"	0.4"	***STR21350***
8"	8.63"	8.54" to 8.71"	**232**	5.6"	3.1"	9.8"	11.6"	0.4"	***STR21400***

[1] only has one bolt

Note: All Straub couplings require the correct use of a torque wrench for a safe and proper installation.Straub couplings must be torqued to the specified value as printed on each individual coupling. Failure to do so can result in serious injury or death.
Not for steam or refrigerant service.

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Straub Open-Flex 1L Couplings

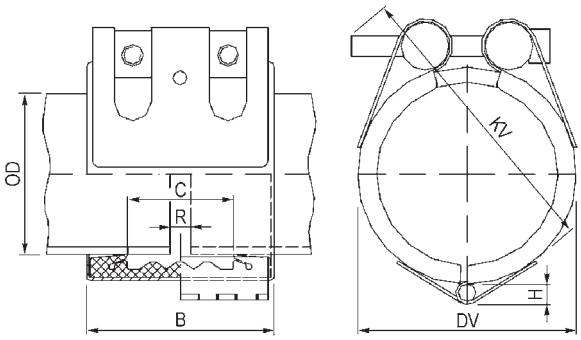
Applications:
- suitable for repairing or joining pipes where access to the pipe end is difficult or impossible

Features:
- use to replace bolted sleeve type couplings (AWWA Std. C-219) or for permanent repairs or installation
- wrap-around design differs from similar type repair products because the installation or repair is permanent due to the unique flexible lip seal gasket design
- joins like or dissimilar pipe materials: steel, galvanized, painted, stainless steel, thin-wall stainless steel, PVC, copper
- requires no special tools or pipe-end preparation; only a torque wrench is required for a secure and safe pipe connection that seldom needs retightening
- accommodates up to 5° of pipe misalignment
- vary gap between pipe ends
- absorbs vibration, water hammer, and sound
- acts as an expansion joint; will accept up to .25" of axial movement
- EPDM sealing sleeve temperature range: **- 4°F** to **176°F (-20°C** to **80°C)**
- 5 year limited warranty
- reusable



Materials:
- casing: AISI 316Ti; screws: AISI 4135 steel; bolts: AISI 12L 14 galvanized

Specifications:
- American Bureau of Shipping (ABS) up to **232** PSI
- Underwriter's Laboratories (UL)
- National Sanitation Foundation (NSF)
- conforms to ASTM 1476, Type 2, Class 3 specifications



Size	Pipe OD Range actual	Pipe OD Range min to max	Working Pressure **PSI**	Coupling Dimensions B	Coupling Dimensions C	Coupling Dimensions H	Assembled Dimensions DV	Assembled Dimensions KV	Maximum Distance Between Pipe End R	*316 Ti Stainless Steel* Part #
1½"	1.90"	1.85" to 1.95"	**363**	3.0"	1.4"	.28"	2.8"	3.3"	.20"	***STR35001***
2"	2.38"	2.32" to 2.42"	**232**	3.0"	1.4"	.28"	3.2"	3.7"	.20"	***STR35151***
2½"	2.88"	2.81" to 2.93"	**232**	3.0"	1.4"	.36"	3.2"	3.7"	.20"	***STR35201***
3"	3.50"	3.44" to 3.56"	**232**	3.7"	2.0"	.36"	4.4"	4.9"	.20"	***STR35351***
4"	4.50"	4.43" to 4.57"	**232**	3.7"	2.0"	.36"	5.4"	5.9"	.20"	***STR35651***
5"	5.56"	5.49" to 5.57"	**232**	4.2"	2.4"	.38"	6.4"	7.1"	.20"	***STR35901***
6"	6.63"	6.54" to 6.71"	**232**	4.2"	2.4"	.38"	7.5"	8.1"	.20"	***STR36051***

Note: Not pull-out resistant. Ensure that pipes are properly anchored and supported.

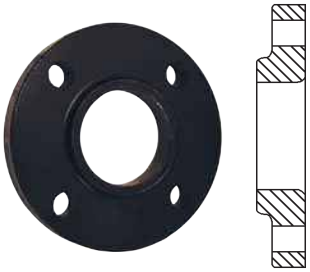
Assembly Tool

Part #
STR6648



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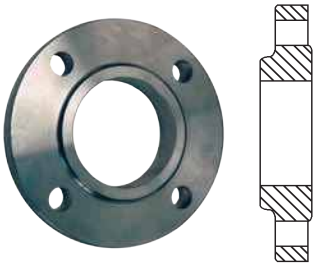
150 Lb. ASA Forged Lap Joint Flanges



Features:
- no raised face
- commonly called a Van Stone or a floating flange

Size	Number of Bolts	*Carbon Steel* Part #	*316 Stainless Steel* Part #
1"	4	***LJ100***	---
1¼"	4	***LJ125***	---
1½"	4	***LJ150***	***LJR150***
2"	4	***LJ200***	***LJR200***
2½"	4	***LJ250***	---
3"	4	***LJ300***	***LJR300***
4"	8	***LJ400***	***LJR400***
5"	8	***LJ500***	---
6"	8	***LJ600***	***LJR600***
8"	8	***LJ800***	---
10"	12	***LJ1000***	---
12"	12	***LJ1200***	---

150 Lb. ASA Forged Slip-On Flanges

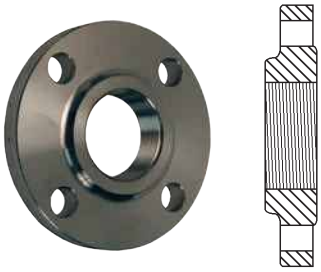


Feature:
- raised face

Size	Number of Bolts	*Carbon Steel* Part #	*316 Stainless Steel* Part #
1"	4	***SO100***	---
1¼"	4	***SO125***	---
1½"	4	***SO150***	***SOR150***
2"	4	***SO200***	***SOR200***
2½"	4	***SO250***	---
3"	4	***SO300***	***SOR300***
4"	8	***SO400***	***SOR400***
5"	8	***SO500***	---
6"	8	***SO600***	***SOR600***
8"	8	***SO800***	---
10"	12	***SO1000***	---
12"	12	***SO1200***	---

K

150 Lb. ASA Forged NPT Threaded Flanges



Feature:
- raised face

Size	Number of Bolts	*Carbon Steel* Part #	*316 Stainless Steel* Part #
1"	4	***T100***	---
1¼"	4	***T125***	---
1½"	4	***T150***	***TR150***
2"	4	***T200***	***TR200***
2½"	4	***T250***	---
3"	4	***T300***	***TR300***
4"	8	***T400***	***TR400***
5"	8	***T500***	---
6"	8	***T600***	***TR600***
8"	8	***T800***	---
10"	12	***T1000***	---
12"	12	***T1200***	---

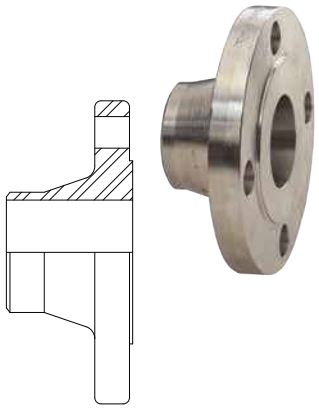
- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

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150 Lb. Weld Neck ASA Forged Flanges

Feature:
- raised face

Size	Number of Bolts	*Carbon Steel* Part #
1"	4	***WN100***
1¼"	4	***WN125***
1½"	4	***WN150***
2"	4	***WN200***
3"	4	***WN300***
4"	8	***WN400***
5"	8	***WN500***
6"	8	***WN600***
8"	8	***WN800***
10"	12	***WN1000***



Flange Gaskets

Features:
- standard drop-ring type all 1/16" thick
- reference page 903 for joint sealant gasket material
- for flange dimensional information and diagrams please reference dixonvalve.com

Size	*Neoprene* Part #	*Klingersil® C-4401* Part #
1"	***NG10***	***AG10***
1¼"	***NG15***	***AG15***
1½"	***NG20***	***AG20***
2"	***NG25***	***AG25***
2½"	***NG30***	***AG30***
3"	***NG35***	***AG35***
4"	***NG40***	***AG40***
5"	***NG50***	***---***
6"	***NG60***	***AG60***
8"	***NG80***	***AG80***



carbon steel



Klingersil® C-4401

ANSI Flat Face Flange x Male NST (NH)

Features:
- flange - black powder coated carbon steel
- male adapter - black anodized aluminum

Size	PSI	*Carbon Steel / Aluminum* Part #
6" NST (NH)	**175**	***T600-60F***



K

King™ Turned Back Weld-To-Metal Hose Nipples

Features:
- MSS Length
- phono-finish face (type CS), except 10" and 12" have smooth face (type C)
- for use with Slip-On and Lap Joint flanges shown on previous page

Size	Length	*Schedule 40 Plated Carbon Steel* Part #	*Schedule 40 316 Stainless Steel* Part #
1"	2"	***NW10***	***RNW10-40***
1¼"	2"	***NW15***	***RNW15-40***
1½"	2"	***NW20***	***RNW20-40***
2"	2½"	***NW25***	***RNW25-40***
2½"	2½"	***NW30***	***RNW30-40***
3"	2½"	***NW35***	***RNW35-40***
4"	3"	***NW40***	***RNW40-40***
6"	3½"	***NW60***	***RNW60-40***
8"	4"	***NW80***	***RNW80-40***
10"	5"	***NW100***	***RNW100-40***
12"	6"	***NW120***	***RNW120-40***



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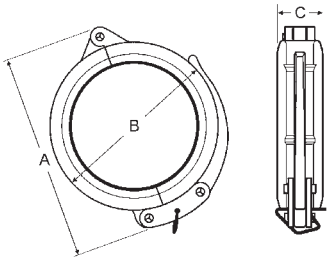
Quick Release Couplings - Series Q

Features:

- designed for applications requiring a quick connection and/or disconnection of a pipe joint, a locking pin through the handle prevents accidental opening of the coupling
- ductile iron body with zinc plating and steel safety clip
- see page 695 for replacement gaskets
- Comparable to:
  Victaulic's #78
  Grinnell's #7003



Nominal Size	Pipe OD	Maximum Working Pressure PSI at **70°F (21°C)**	Maximum End Load (Lbs.)	*Ductile Iron* Part # with *EPDM* gasket	*Ductile Iron* Part # with *Buna-N* gasket
1½"	1.900"	**300**	850	***H315***	***H315BU***
2"	2.375"	**300**	1329	***H32***	***H32BU***
2½"	2.875"	**300**	2120	***H325***	***H325BU***
3"	3.500"	**300**	2886	***H33***	***H33BU***
4"	4.500"	**300**	4771	***H34***	***H34BU***
6"	6.625"	**300**	10341	***H36***	***H36BU***



Dimensions

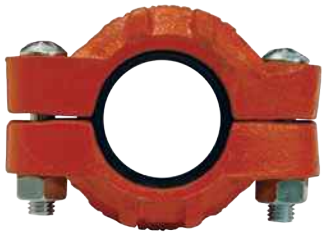
A	B	C
4¾"	3½"	1"
5½"	3¾"	1⅞"
5⅞"	4¾"	1⅞"
7¼"	5¼"	1⅞"
8½"	6½"	2"
10⅝"	8½"	2"

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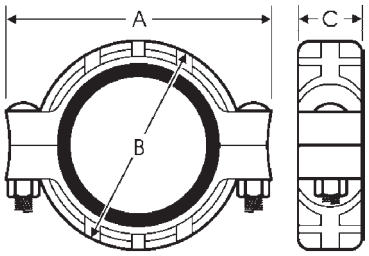
Standard Couplings - Series S, Style 11

Applications:
- designed for a wide range of applications including commercial/industrial construction, mining, and process piping

Features:
- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- housing design allows for optimum strength without excessive casting weight.
- see pages 695, 701 for replacement gaskets, nuts and bolts
- Comparable to:
  Victaulic's #77
  Grinnell's #7001



Nominal Size	Pipe OD	Maximum Working Pressure PSI at **70°F (21°C)**	Maximum End Load (Lbs.)	Bolts			*Ductile Iron*	
				qty	size	length	Part # with *EPDM* gasket	Part # with *Buna-N* gasket
1½"	1.900"	**1000**	2835	2	⅜"	2"	***C115***	***C115BU***
2"	2.375"	**1000**	4430	2	½"	2¾"	***C12***	***C12BU***
2½"	2.875"	**1000**	6492	2	½"	2¾"	***C125***	***C125BU***
3"	3.500"	**1000**	9621	2	½"	3"	***C13***	***C13BU***
4"	4.500"	**1000**	15904	2	⅝"	3¼"	***C14***	***C14BU***
6"	6.625"	**1000**	34472	2	¾"	4¼"	***C16***	***C16BU***
8"	8.625"	**800**	46741	2	⅞"	5"	***C18***	***C18BU***
10"	10.750"	**800**	72610	2	⅞"	5"	***C20***	***C20BU***
12"	12.750"	**800**	102141	2	⅞"	5"	***C24***	***C24BU***



Dimensions

A	B	C
4-5/8"	3"	1-7/8"
5-15/64"	3-45/64"	1-27/32"
5-5/8"	4-1/4"	1-27/32"
6-21/32"	5"	1-27/32"
8-17/64"	6-3/8"	2-3/64"
11-7/32"	8-57/64"	2-3/64"
14-1/64"	11-3/8"	2-23/64"
16-5/8"	13-1/2"	2-5/8"
18-5/8"	15-1/2"	2-5/8"

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Lightweight Flexible Couplings - Series L, Style 10

Applications:

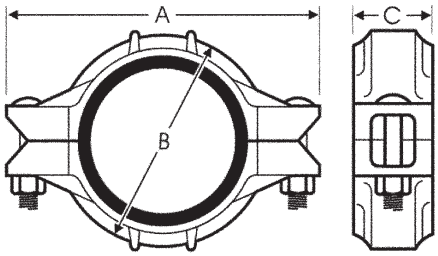
- designed for applications requiring moderate internal pressure or where weight is a factor such as general purpose, mining, irrigation, and compressed air where a deflection of 5% or less is required

Features:

- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- see pages 695, 701 for replacement gaskets, nuts and bolts
- Comparable to:
  Victaulic's **#75**
  Grinnell's #7000



Nominal Size	Pipe OD	Maximum Working Pressure PSI at **70°F (21°C)**	Maximum End Load (Lbs.)	Bolts			*Ductile Iron*	
				qty	size	length	Part # with *EPDM* gasket	Part # with *Buna-N* gasket
1½"	1.900"	**500**	1418	2	⅜"	2¼"	***L215***	***L215BU***
2"	2.375"	**500**	2215	2	⅜"	2"	***L02***	***L02BU***
2½"	2.875"	**300**	3246	2	⅜"	2"	***L025***	***L025BU***
3"	3.500"	**300**	4811	2	½"	2¾"	***L03***	***L03BU***
4"	4.500"	**300**	6362	2	½"	2¾"	***L04***	***L04BU***
5"	5.563"	**300**	9722	2	⅝"	3¼"	***L05***	***L05BU***
6"	6.625"	**300**	13789	2	⅝"	3¼"	***L06***	***L06BU***
8"	8.625"	**300**	20449	2	¾"	4¼"	***L08***	***L08BU***
10"	10.750"	**350**	29815	2	¾"	4¼"	***L010***	***L010BU***
12"	12.750"	**350**	40581	2	⅞"	5"	***L012***	***L012BU***



Dimensions

A	B	C
4-1/2"	2-29/32"	1-25/32"
4-7/8"	3-25/64"	1-27/32"
5-15/32"	3-45/64"	1-27/32"
6-27/64"	4-39/64"	1-27/32"
7-33/64"	5-7/8"	2 -1/64"
9-17/32"	7-3/32"	2 -1/64"
10-7/16"	8-7/64"	2-3/64"
13-15/32"	10-5/32"	2-13/32"
15-3/4"	12-39/64"	2-9/16"
18-23/64"	15-7/16"	2-9/16"

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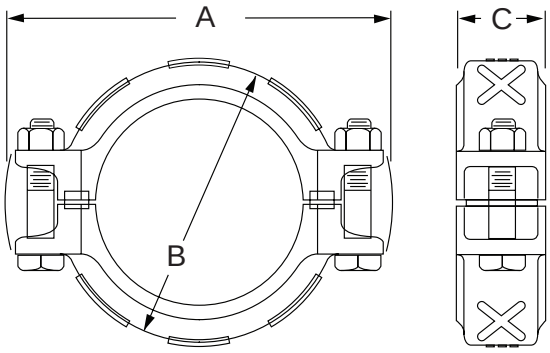
Lite® Couplings - Stainless Steel

Applications:
- designed for use on rigid, locked-in pipe connections

Features:
- 316 cast stainless steel body, nuts and bolts
- certified to ANSI/NSF 61
- ideal for corrosive environments
- use of suitable anti-galling thread compound is recommended
- Comparable to: Grinnell's #7400 SS



Nominal Size	Pipe OD	Maximum Working Pressure (PSI)	Maximum End Load (Lbs.)	Bolts			*316 Stainless Steel* Part # with *Fluoro-elastomer* gasket
				qty	size	length	
2"	2.375"	300	1329	2	⅜"	2¼"	***RL02V***
3"	3.500"	300	2886	2	½"	2¾"	***RL03V***
4"	4.500"	300	4771	2	½"	2¾"	***RL04V***



Dimensions

A	B	C
5⅜"	3⅝"	1¾"
6⅝"	4⅝"	1¾"
7¾"	6"	1⅞"

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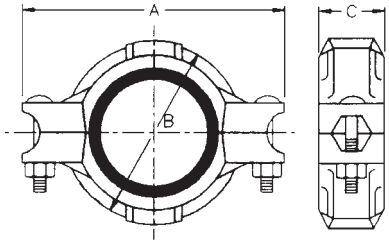
Rigid Couplings - Series R, Style 5

Application:
- ideal for fire protection, plumbing, low pressure air and drainage

Features:
- lightweight, low pressure
- galvanized ductile iron body
- small gripping teeth hold the housing into the groove allowing a straight run of pipe and preventing any flex at the joint
- Underwriters Listed and Factory Mutual approved
- see pages 695, 701 for replacement gaskets, nuts and bolts



Nominal Size	Pipe OD	Maximum Working Pressure PSI at **70°F (21°C)**	Maximum End Load (Lbs.)	Bolts qty	Bolts size	Bolts length	*Ductile Iron* Part # with *EPDM* gasket	*Ductile Iron* Part # with *Buna-N* gasket
2"	2.375"	**175**	4425	2	⅜"	2"	***R72***	***R72BU***
2½"	2.875"	**175**	6490	2	⅜"	2"	***R725***	***R725BU***
3"	3.500"	**175**	9620	2	½"	2¾"	***R73***	***R73BU***
4"	4.500"	**175**	12720	2	½"	2¾"	***R74***	***R74BU***
6"	6.625"	**175**	27570	2	⅝"	3¼"	***R76***	***R76BU***
8"	8.625"	**175**	35050	2	¾"	4¼"	***R78***	***R78BU***



Dimensions

A	B	C
4-7/8"	3-17/32"	1-27/32"
5-5/8"	3-45/64"	1-3/4"
6-3/8"	4-41/64"	1-27/32"
7-45/64"	5-15/16"	2"
10-25/32"	8-7/64"	2-3/64"
13-25/32"	10"	2-21/64"

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Grooved Bolted Clamps

Features:

- 2" pressure rating: **400 PSI**
- 3" pressure rating: **170 PSI**
  4" pressure rating: **120 PSI**
- bolt torque: 20 ft. lbs.
- precision casting and machined dimensions provide an exact fit and great appearance
- use of lock nuts prevents clamps from loosening in high vibration applications
- leak-tight connection
- are intended for tank truck applications only
- Unlike steel groove clamps that secure pipe ends with high clamp force against the tubing walls, the Dixon® bolted clamp takes the full bolt force and locks in the groove of the tube preventing distortion of the tube diameter.
- FKM-B rated for 100% biodiesel and Ethanol
- Buna-N rated for petroleum service, Ethanol to E100 and biodiesel to B20
- Baylast™ rated for petroleum service, Ethanol to E100 and biodiesel to B100
- white buna-N for use in dry bulk food applications
- temperature ratings for FKM-B is **20°F** to **300°F (-7°C** to **149°C)**
- temperature ratings for Baylast is **-20°F** to **180°F (-29°C** to **82°C)**



clamp with black buna gasket
Note: Supplied clamp gasket must be installed prior to use, ships separately.

Size	Gasket Material	*Aluminum* Part #
2"	*FKM-B*	***DBV-VB200***
3"	*FKM-B*	***DBV-VB300***
4"	*FKM-B*	***DBV-VB400***
2"	*buna-N*	***DBV-BN200***
3"	*buna-N*	***DBV-BN300***
4"	*buna-N*	***DBV-BN400***
2"	*Baylast™*	***DBV-BL200***
3"	*Baylast™*	***DBV-BL300***
4"	*Baylast™*	***DBV-BL400***
4"	*white buna-N*	***DBV-WB400***

Replacement Gaskets

Size	Material	Part #
2"	*FKM-B*	***G200VB***
3"	*FKM-B*	***G300VB***
4"	*FKM-B*	***G400VB***
3"	*buna-N*	***G300T***
4"	*buna-N*	***G400T***
2"	*Baylast™*	***G200BL***
3"	*Baylast™*	***G300BL***
4"	*Baylast™*	***G400BL***
4"	*white buna-N*	***G400N***



Painted Iron Clamps with Baylast™ Gaskets

Features:

- painted red
- Baylast™ seal is rated for biodiesel, Ethanol, diesel, gas and ULSD



Size	Maximum PSI	*Iron* Part #
2"	**500**	***L02BL***
3"	**300**	***L03BL***
4"	**300**	***L04BL***

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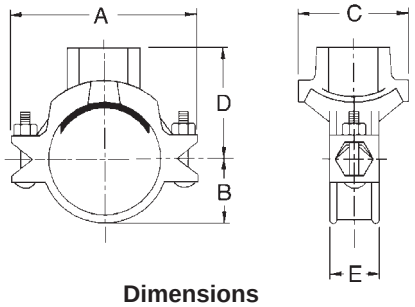
Mechanical Tees - Series T

Features:

- Provides a fast easy way to install a threaded connection along a length of pipe. After drilling or cutting a hole in the pipe at the location of the branch connection, simply attach the clamps around the pipe for a leak-free threaded outlet connection. See chart below for drilling hole specifications
- ductile iron body with rust inhibiting paint
- supplied with EPDM gasket
- Underwriters Listed and Factory Mutual approved
- maximum operating pressure: **300 PSI** at **70°F (21°C)**
- see pages 695, 701 for replacement gaskets, nuts and bolts
- Comparable to:
  Victaulic's #920
  Grinnell's #7045



Nominal Size	Branch Size	Hole Saw Diameter	Maximum End Load (Lbs.)	Bolts qty	Bolts size	Bolts length	*Ductile Iron* Part #
2"	1"	1½"	1⅝"	2	⅜"	2"	***MT2010***
	1¼"	1¾"	1⅞"	2	⅜"	2"	***MT20125***
	1½"	1¾"	1⅞"	2	⅜"	2"	***MT20150***
2½"	1¼"	2"	2⅛"	2	½"	2⅝"	***MT250125***
3"	1"	1½"	1⅝"	2	½"	2¾"	***MT3010***
	1½"	2"	2⅛"	2	½"	2¾"	***MT30150***
4"	1"	1½"	1⅝"	2	½"	2¾"	***MT4010***
	1¼"	2"	2⅛"	2	½"	2¾"	***MT40125***
	1½"	2"	2⅛"	2	½"	2¾"	***MT40150***
	2"	2½"	2⅝"	2	½"	2¾"	***MT4020***
	2½"	2¾"	2⅞"	2	½"	2¾"	***MT40250***
	3"	3½"	3⅝"	2	½"	2¾"	***MT4030***
6"	1¼"	2½"	2⅝"	2	⅝"	3¼"	***MT60125***
	1½"	2½"	2⅝"	2	⅝"	3¼"	***MT60150***
	2"	2½"	2⅝"	2	⅝"	3¼"	***MT6020***
	3"	3½"	3⅝"	2	⅝"	3¼"	***MT6030***



Dimensions

A	B	C	D	E
4½"	1⅜"	2¾"	2¼"	1⅞"
4½"	1⅜"	2¾"	2½"	1⅞"
4½"	1⅜"	2¾"	2½"	1⅞"
5-5/32"	1-11/16"	3"	2-31/32"	2"
5-13/16"	1-11/16"	3-11/32"	3"	2"
6-11/32"	2-1/8"	3-3/32"	3-1/16"	2"
6-11/32"	2-1/8"	3-3/4"	3-3/8"	2"
7-5/16"	2-9/16"	3-3/32"	3-1/2"	2"
7-5/16"	2-9/16"	3-3/4"	3-7/8"	2"
7-5/16"	2-9/16"	3-3/4"	3-7/8"	2"
7-5/16"	2-9/16"	4-1/8"	4"	2"
7-5/16"	2-9/16"	4-3/8"	4"	2"
7-5/16"	2-9/16"	5-1/4"	4-1/4"	2"
10-5/32"	3-11/16"	4-1/8"	4-7/8"	2¼"
10-5/32"	3-11/16"	4-1/8"	4-7/8"	2¼"
10-5/32"	3-11/16"	4-1/8"	5"	2¼"
10-5/32"	3-11/16"	5-1/4"	5-3/8"	2¼"

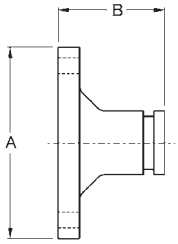
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Flange Adapters - Series FA

Application:
- used to connect an ANSI Class 125 and 150 flange to a grooved pipe using a grooved clamp

Features:
- Provides a rigid one piece connection that can be disconnected by removing the clamp assembly. To assemble to another flange, position bolt heads on the adapter (grooved) side.
- ductile iron body with rust inhibiting paint



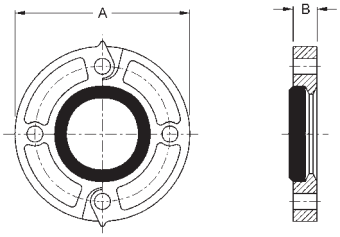


Nominal Size	Pipe OD	Maximum Working Pressure PSI at **70°F (21°C)**	Flange Dimensions A	Flange Dimensions B	Bolts qty	Bolts size	*Ductile Iron* Part #
2"	2.375"	**300**	6"	2-3/8"	4	⅝"	***FA20***
3"	3.500"	**300**	7¼"	2-3/8"	4	⅝"	***FA30***
4"	4.500"	**300**	8½"	2-3/8"	8	⅝"	***FA40***
6"	6.625"	**300**	11"	2-9/16"	8	¾"	***FA60***
8"	8.625"	**300**	13¼"	3"	8	¾"	***FA80***

ANSI Split Flanges - Series SF

Features:
- provides a direct connection between a grooved adapter and an ANSI Class 125 and 150 raised face flanged component
- can be used with flat face flanges by removing the raised projections on the outside face of the flange.
- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Buna gaskets are available upon request
- Comparable to:
  Victaulic's #741
  Grinnell's #7012





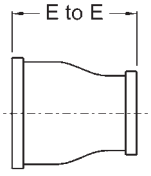
Nom. Size	Pipe OD	Max. Work. Press. PSI at **70°F (21°C)**	Flange Dims. A	Flange Dims. B	Bolts qty	Bolts size	*Ductile Iron* with Gasket Part # [1]	Replacement *EPDM* Gaskets Part # [2]
2"	2.375"	300	6"	13/16"	4	⅝"	***ANSI20***	***FLG200E***
2½"	2.875"	300	7"	13/16"	4	⅝"	***ANSI25***	***FLG250E***
3"	3.500"	300	7½"	13/16"	4	⅝"	***ANSI30***	***FLG300E***
4"	4.500"	300	9"	15/16"	8	⅝"	***ANSI40***	***FLG400E***
6"	6.625"	300	11"	1"	8	¾"	***ANSI60***	***FLG600E***
8"	8.625"	300	13½"	1-1/8"	8	¾"	***ANSI80***	***FLG800E***

[1] with EPDM gasket
[2] replacement gasket

Reducing Adapters - Series RA

Features:
- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:
  Victaulic's #50, Grinnell's #7072





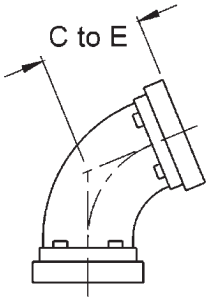
Nominal Size	Nominal Size	Dimensions E to E	*Ductile Iron* Part #
2"	1½"	2.5"	***RAGG20150***
2½"	2"	2.5"	***RAGG25020***
3"	2"	2.5"	***RAGG3020***
	2½"	2.5"	***RAGG30250***
4"	2"	3.0"	***RAGG4020***
	2½"	3.0"	***RAGG40250***
	3"	3.0"	***RAGG4030***
5"	4"	3.5"	***RAGG5040***
6"	2"	4.0"	***RAGG6020***
	2½"	4.0"	***RAGG60250***
	3"	4.0"	***RAGG6030***
	4"	4.0"	***RAGG6040***

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Grooved End Fittings - Series 45

Series 45



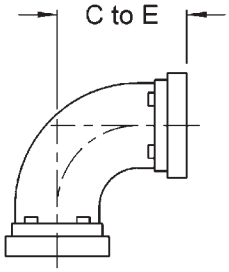


Features:
- designed to provide minimum pressure drop and uniform strength
- maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:
  Victaulic's #110
  Grinnell's #7051

Nominal Size	Dimensions C to E	*Ductile Iron* Part #
2"	2"	***L2045***
2½"	2¼"	***L2545***
3"	2½"	***L3045***
4"	3"	***L4045***
5"	3¼"	***L5145***
6"	3½"	***L6045***
8"	4¼"	***L8045***

Series 90



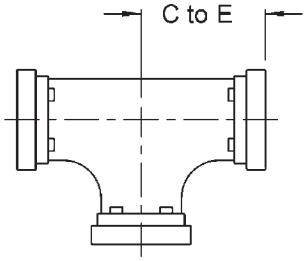


Features:
- designed to provide minimum pressure drop and uniform strength
- maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:
  Victaulic's #10
  Grinnell's #7050

Nominal Size	Dimensions C to E	*Ductile Iron* Part #
2"	3¼"	***L502***
2½"	3¾"	***L5025***
3"	4¼"	***L503***
4"	5"	***L504***
6"	6½"	***L506***
8"	7¾"	***L508***

Series T





Features:
- designed to provide minimum pressure drop and uniform strength
- maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- ductile iron body with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:
  Victaulic's #20
  Grinnell's #7060

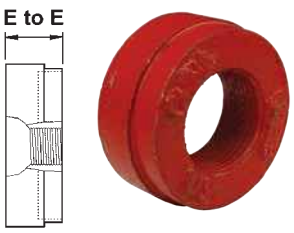
Nominal Size	Dimensions C to E	*Ductile Iron* Part #
2"	3¼"	***T602***
2½"	3¾"	***T6025***
3"	4¼"	***T603***
4"	5"	***T604***
6"	6½"	***T606***
8"	7¾"	***T608***

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ANSI Caps with Tapped Outlet - Series EC

Feature:
- painted with rust inhibiting paint

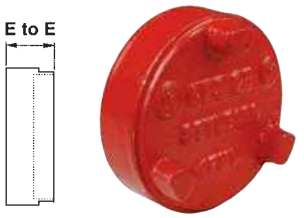
Nominal Size	Outlet	Dimensions E to E	*Ductile Iron* Part #
2"	1"	7/8"	***EC201***
2½"	1"	7/8"	***EC251***
3"	1"	7/8"	***EC301***
4"	1"	1"	***EC401***
	2"	1"	***EC402***
6"	1"	1"	***EC601***
	2"	1"	***EC602***
8"	2"	1-3/16"	***EC802***



Blank Caps - Series BE

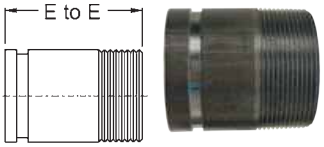
Features:
- painted with rust inhibiting paint
- Underwriters Listed and Factory Mutual approved
- Comparable to:
  Victaulic's #60
  Grinnell's #7074

Nominal Size	Dimensions E to E	*Ductile Iron* Part #
2"	7/8"	***BEC20***
2½"	7/8"	***BEC25***
3"	7/8"	***BEC30***
4"	1"	***BEC40***
6"	1"	***BEC60***
8"	1-3/16"	***BEC80***



Long Pipe Style Nipples - Series AN

Groove x NPT	Dimensions E to E	*Carbon Steel* Part #
2"	4"	***A712***
2½"	4"	***A7125***
3"	4"	***A713***
4"	6"	***A714***
5"	6"	***A715***
6"	6"	***A716***



Grooved End x Weld Nipples

Nominal Size	*Aluminum* Part #	*Carbon Steel* Part #	*316 Stainless Steel* Part #
2"	***AVN2000-200***	***VN2000-200***	***VNR2000-200***
2½"	***AVN2500-200***	***VN2500-200***	***VNR2500-200***
3"	***AVN3000-200***	***VN3000-200***	***VNR3000-200***
4"	***AVN4000-200***	***VN4000-200***	***VNR4000-200***



- For additional information on pipe dimensions please reference dixonvalve.com.

Grooved End Butterfly Valves

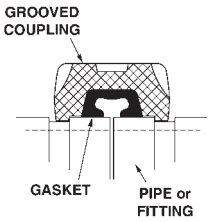
Features:
- for water and air applications
- working pressure: **300 PSI**
- maximum temperature: **210°F (99°C)**
- material: **body**: ductile iron, epoxy coated; **disc**: ductile iron, EPDM encapsulated; **stem**: stainless steel; **notch plate**: zinc plated steel; **seals**: EPDM

Size	*Ductile Iron* Part #
2"	***GIBFV200***
2½"	***GIBFV250***
3"	***GIBFV300***
4"	***GIBFV400***
6"	***GIBFV600***
8"	***GIBFV800***



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Grooved Fitting Gaskets



- check gasket color code to be certain it is recommended for the service intended
- use lubricant on gasket (reference next page)
- for services not listed contact Dixon® for recommendations

FKM Gaskets



Features:
- temperature range: **-13°F** to **350°F (-11°C** to **177°C)**
- color code: black with blue stripe
- resistant to oxidizing acids, petroleum oils, hydraulic fluids, halogenated hydrocarbons and lubricants

Size	*FKM* Part #
2"	***G200V***
3"	***G300V***
4"	***G400V***
6"	***G600V***
8"	***G800V***
10"	***G1000V***
12"	***G1200V***

EPDM Gaskets



Features:
- temperature range: **-22°F** to **230°F (-30°C** to **110°C)**
- color code: black with green stripe
- for water, dilute acids, alkalies, salts, and many chemical services not involving hydrocarbons, oils, or gases
- excellent oxidation resistance
- *not for use with hydrocarbons*

Size	*EPDM* Part #
1½"	***G150E***
2"	***G200E***
2½"	***G250E***
3"	***G300E***
4"	***G400E***
5"	***G500E***
6"	***G600E***
8"	***G800E***
10"	***G1000E***
12"	***G1200E***

Buna Gaskets



Features:
- temperature range: **-24°F** to **176°F (-31°C** to **80°F)**
- for petroleum products, vegetable oils, mineral oils, and air contaminated with petroleum oils
- *not for use in hot water services*

Size	*Black Buna with orange stripe* Part #	*White Buna* Part #
1½"	***G150T***	---
2"	***G200T***	---
2½"	***G250T***	---
3"	***G300T***	---
4"	***G400T***	***G400N***
5"	***G500T***	---
6"	***G600T***	---
8"	***G800T***	---
10"	***G1000T***	---
12"	***G1200T***	---

LIBERTY EXHIBIT 1012, Page 702
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PL418

Grooved Fitting Accessories

Nuts and Bolts

Features:
- the nuts are a heavy hexagon design
- specifically designed for use with the couplings on pages 691-696

Specification:
- conforms to ASTM A183

Bolt Thread	Bolt Length	Torque Ft. Lbs.	*Electroplated Carbon Steel* Part #
3/8"	2"	30	***BLT38200***
3/8"	2¼"	30	***BLT38225***
1/2"	2½"	50	***BLT50212***
1/2"	2¾"	50	***BLT50234***
1/2"	3"	50	***BLT50300***
5/8"	3¼"	75	***BLT58314***
3/4"	4¼"	75	***BLT75414***
7/8"	5"	200	***BLT78500***



Groove Lube

Features:
- water soluble
- non-toxic
- non-corrosive
- non-flammable
- *should not be used with HDPE pipe*

Specification:
- NSF approved for use with potable water

Size	Container	Part #
1 qt.	Tub	***GROOVLUB32***



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High Density Polyethylene (HDPE) Couplings



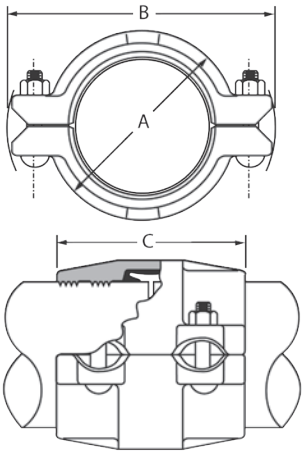


Applications:
- designed for mechanically joining high density polyethylene pipe and fittings

Features:
- ductile iron body with rust inhibiting paint
- uses four bolts to drive the sharply machined housing teeth into the outside of the pipe

- Comparable to:
  Grinnell's #9095

Nominal Size	Pipe OD	Bolts			*Ductile Iron*	
		qty	size	length	Part # with *EPDM* gasket	Part # with *Buna-N* gasket
2"	2.375"	4	½"	2⅜"	***HDPE200***	***HDPE200BU***
3"	3.500"	4	½"	3"	***HDPE300***	***HDPE300BU***
4"	4.500"	4	½"	3"	***HDPE400***	***HDPE400BU***
6"	6.625"	4	⅝"	3½"	***HDPE600***	***HDPE600BU***



Dimensions

A	B	C
3⅜"	5½"	4⅝"
4⅝"	6¾"	4⅝"
5¼"	8"	5¾"
7½"	11"	5⅞"

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Y Line Strainers

Cast Iron

Features:
- graphite gasket
- working pressure: **400 PSI** WOG, **250 PSI** steam
- plug ported for blowdown service
- no replacement screens available



Female NPT	Description	*Cast Iron* Part #
¼"	20 x 20 mesh	***Y001***
⅜"		***Y002***
½"		***Y003***
¾"		***Y004***
1"		***Y005***
1¼"		***Y006***
1½"		***Y007***
2"		***Y008***

Cast Bronze

Feature:
- working pressure: **400 PSI** WOG, **125 PSI** steam





replacement screen

Female NPT	Description	*Cast Bronze* Part #	*304 Stainless* Replacement Screens Part #
¼"	50 x 50 mesh	***59-001***	***G3271-00***
⅜"	50 x 50 mesh	***59-002***	***G2457-00***
½"	50 x 50 mesh	***59-003***	***G2457-00***
¾"	20 x 20 mesh	***59-004***	***G3224-00***
1"	20 x 20 mesh	***59-005***	***G3225-00***
1¼"	20 x 20 mesh	***59-006***	***G3231-00***
1½"	20 x 20 mesh	***59-007***	***G3229-00***
2"	20 x 20 mesh	***59-008***	***G3230-00***

Polypropylene

Features:
- protects and prevents clogging of pipelines, pumps and spray tips
- glass-filled polypropylene body
- easy access for cleaning
- maximum operating pressure: **90 PSI** at **70°F (21°C)**





replacement screen

Female NPT	Description	*Polypropylene* Part #	*304 Stainless* Replacement Screens Part #
¾"	40 mesh	***PYLS7540***	***64178***
1"	40 mesh	***PYLS10040***	***61746***
1½"	40/20 mesh	***PYLS15040***	***61509***
2"	40/20 mesh	***PYLS20040***	***61509***

Polypropylene T Line Strainers

Features:
- white polypropylene allows easy inspection
- maximum operating pressure: **100 PSI** at **70°F (21°C)**



Female NPT	Description	*Polypropylene* Part #	*304 Stainless* Replacement Screens Part #
¾"	50 mesh	***PTLS7540***	***61405***
1"	40 mesh	***PTLS10040***	***61405***

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LP Gas Couplings and Adapters

Specifications:

- products meet or exceed the requirements of Compressed Gas Association (CGA), the National Fire Protection Association (NFPA), the Canadian Gas Association, American Society of Mechanical Engineers (ASME) and Underwriters Laboratories (UL)

Male Acme x Male NPT Adapters



ME217



ME233



ME502-12/8



ME503-16

Male Acme	Male NPT	Female NPT	*Brass* Part #
1¾"	1¼"	--	***ME217***
2¼"	1¼"	--	***ME233***
2¼"	1½"	1"	***ME502-12/8*** [1]
3¼"	2"	--	***ME503-16***

[1] dual threads - male outside / female inside

Male Acme x Female NPT Adapters



Male Acme	Female NPT	*Brass* Part #
1¾"	1"	***ME214***
3¼"	2"	***ME252-16***

Male Acme x Male NPT Adapters



ME217S



ME503S-16

Male Acme	Male NPT	*Steel* Part #
1¾"	1¼"	***ME217S***
2¼"	1¼"	***ME233S***
3¼"	2"	***ME503S-16***

Male Acme x Female NPT Adapter



Male Acme	Female NPT	*Steel* Part #
3¼"	2"	***ME252S-16***

Female Acme x Male Acme Adapters



brass



steel

Female Acme	Male Acme	Material	Part #
3¼"	1¾"	*brass*	***ME612***
3¼"	1¾"	*steel*	***ME612S***

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LP Gas Couplings and Adapters

Female Acme x Male NPT Filler Couplings, Brass Nut



ME112 ME120

Female Acme	Male NPT	Material	Part #
1¾"	1"	*brass* nut, *brass* nipple	***ME112***
2¼"	1¼"	*brass* nut, *brass* nipple	***ME120***
2¼"	1¼"	*brass* nut, *steel* nipple	***ME120S***
3¼"	2"	*brass* nut, *steel* nipple	***ME130***



ME130

Female Acme x Male NPT Filler Couplings, Steel Nut



ME112S ME121S

Female Acme	Male NPT	*Steel* Part #
1¾"	1"	***ME112S***
2¼"	1¼"	***ME121S***
3¼"	2"	***ME130S***



ME130S

Acme Gaskets

Size	*Nitrile* Part #
1¾"	***MEW2***
2¼"	***MEW5***
3¼"	***MEW6***



Clamp Style Hose Couplings

Features:

- clamp sections and hose barbs are made of steel and ductile iron
- 32B and 32S sizes offer a female Acme swivel to eliminate the need to add additional weight and bulk to the hose assembly



ME3162-20

Hose Barb	Thread Size	Material	Part #
1"	1" male NPT	*steel* nipple, 2-piece *ductile iron* clamp	***ME3162-16***
1¼"	1¼" male NPT	*steel* nipple, 2-piece *ductile iron* clamp	***ME3162-20***
1½"	1½" male NPT	*steel* nipple, 2-piece *ductile iron* clamp	***ME3162-24***
2"	2" male NPT	*steel* nipple, 2-piece *ductile iron* clamp	***ME3162-32***
2"	3¼" female Acme	*steel* nipple, *brass* nut, 2-piece *ductile iron* clamp	***ME3162-32B***
2"	3¼" female Acme	*steel* nipple, *steel* nut, 2-piece *ductile iron* clamp	***ME3162-32S***



ME3162-32B

Acme Spanner Wrench

Feature:

- used on 1¾", 2¼", 3¼" and 4¼" fittings



Aluminum Part #
MEP120B

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LP Gas Hose Caps and Plugs


ME229


ME441F

Metal Caps

Female Acme Threads	Description	Material	Part #
1¾"	cap with ring and chain	*brass*	***ME229-1***
1¾"	cap with ring and chain	*steel*	***ME229S-1***
2¼"	cap with knob plug and chain	*brass*	***ME431F-1***
2¼"	cap with knob plug, ring and chain	*steel*	***ME431FS-1***
3¼"	cap with knob plug, ring and chain	*brass*	***ME441F-1***
3¼"	cap with knob plug, ring and chain	*steel*	***ME441FS-1***


ME109-1


ME109-NH3-1

Plastic Caps

Female Acme Threads	Description	*Plastic* Part #
1¾"	cap with ring and chain, yellow	***ME109-1***
1¾"	cap with chain assembly, for anhydrous service	***ME109-NH3-1***


ME179-1


ME180-1


ME181-1

Plastic Dust Plugs

Male Acme Threads	Description	*Plastic* Part #
1¾"	plug with dust seal and chain assembly, yellow	***ME179-1***
2¼"	plug with dust seal and chain assembly, yellow	***ME180-1***
3¼"	plug with dust seal and chain assembly, yellow	***ME181-1***

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Instrumentation Fittings

Applications:

- high pressure
- high temperature
- nitrogen
- helium
- flammable gases
- hydraulic gases
- corrosive media
- pneumatic automation

Installation Instructions:

1. Cut tubing squarely and clean tube end thoroughly to remove burrs.
2. Insert the tubing into the assembly making sure the tubing seats firm against the shoulder of the body and the nut is finger tight.
3. Tighten the nut with a wrench 1¼ turns, while holding the body with a second wrench.

Suggested Working Pressures (PSI)

wall thk.	.028	.035	.049	.065	.083	.095	.109
¼"	**4,000**	**5,100**	**7,500**	**10,100**	---	---	---
⅜"	---	**3,300**	**4,700**	**6,600**	---	---	---
½"	---	**2,600**	**3,700**	**5,000**	**6,600**	---	---
⅝"	---	---	**2,900**	**3,900**	**5,200**	**6,000**	---
¾"	---	---	**2,400**	**3,200**	**4,200**	**4,900**	**5,700**

Features:

- Instrumentation fittings come completely assembled.
- fully interchangeable with Swagelok® and Parker A-Lok®, all fittings are ASTM F 1387 Certified
- double collet (ferrule) swaging action
- two positive seal points
- ASTM 316 stainless steel material construction
- temperature range: **-325°F** to **1200°F (-198°C** to **648°C)**
- pressure ratings: see chart to the left, ratings listed are for reference only

Safety Guidelines:

- Never connect, disconnect or remake a fitting with pressure in the system.
- Make sure all fittings are properly installed.
- It is not recommended to go beyond the pressure rating of the tubing. Elongation could occur in the tubing, shrinking the wall thickness and causing potential harm.
- For proper sealing it is recommended that the tubing and fittings be of like material.
- Always use proper thread lubricant and sealants on tapered pipe threads.
- Never bleed a system by loosening a fitting.

Male Connectors

Tube OD	Male NPT	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
⅛"	⅛"-27	200-1-2	***2-DMC-2***	10
	¼"-18	200-1-4	***2-DMC-4***	10
¼"	⅛"-27	400-1-2	***4-DMC-2***	10
	¼"-18	400-1-4	***4-DMC-4***	10
	⅜"-18	400-1-6	***4-DMC-6***	10
	½"-14	400-1-8	***4-DMC-8***	10
⅜"	¼"-18	600-1-4	***6-DMC-4***	10
	⅜"-18	600-1-6	***6-DMC-6***	10
	½"-14	600-1-8	***6-DMC-8***	10
½"	¼"-18	810-1-4	***8-DMC-4***	10
	⅜"-18	810-1-6	***8-DMC-6***	10
	½"-14	810-1-8	***8-DMC-8***	10
⅝"	½"-14	1010-1-8	***10-DMC-8***	10
¾"	½"-14	1210-1-8	***12-DMC-8***	10
	¾"	1210-1-12	***12-DMC-12***	10
	1"	1210-1-16	***12-DMC-16***	10
1"	¾"	1610-1-12	***16-DMC-12***	10
	1"	1610-1-16	***16-DMC-16***	10



Female Connectors

Tube OD	Female NPT	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
⅛"	⅛"-27	200-7-2	***2-DFC-2***	10
¼"	⅛"-27	400-7-2	***4-DFC-2***	10
	¼"-18	400-7-4	***4-DFC-4***	10
⅜"	¼"-18	600-7-4	***6-DFC-4***	10
	½"-14	600-7-8	***6-DFC-8***	10
½"	½"-14	810-7-8	***8-DFC-8***	10
⅝"	½"	1010-7-8	***10-DFC-8***	10
¾"	½"	1210-7-8	***12-DFC-8***	10
	¾"	1210-7-12	***12-DFC-12***	10
1"	1"	1610-7-16	***16-DFC-16***	10



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Instrumentation Fittings

Unions



Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
⅛" x ⅛"	200-6	***2-DU***	10
¼" x ⅛"	400-6-2	***4-DU-2***	10
¼" x ¼"	400-6	***4-DU***	10
⅜" x ¼"	600-6-4	***6-DU-4***	10
⅜" x ⅜"	600-6	***6-DU***	10
½" x ½"	810-6	***8-DU***	10
⅝" x ⅝"	1010-6	***10-DU***	10
¾" x ¾"	1210-6	***12-DU***	10
1" x 1"	1610-6	***16-DU***	10

Bulkhead Unions



Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼"	400-61	***4-DBHU-4***	10
⅜"	600-61	***6-DBHU-6***	10
½"	810-61	***8-DBHU-8***	10
⅝"	1010-61	***10-DBHU-10***	10
¾"	1210-16	***12-DBHU-12***	10
1"	1610-16	***16-DBHU-16***	10

Reducers



Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼" x ⅛"	400-R-2	***4-DRATT-2***	10
⅜" x ¼"	600-R-4	***6-DRATT-4***	10
⅜" x ½"	600-R-8	***6-DRATT-8***	10
½" x ¾"	810-R-12	***8-DRATT-12***	10
¾" x ½"	1210-R-8	***12-DRATT-8***	10
¾" x 1"	1210-R-16	***12-DRATT-16***	10

Male Elbows



Tube OD	Male NPT	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼"	⅛"-27	400-2-2	***4-DME-2***	10
	¼"-18	400-2-4	***4-DME-4***	10
⅜"	¼"-18	600-2-4	***6-DME-4***	10
	⅜"-18	600-2-6	***6-DME-6***	10
½"	½"-14	810-2-8	***8-DME-8***	10
¾"	½"-14	1210-2-8	***12-DME-8***	10
	¾"	1210-2-12	***12-DME-12***	10
1"	¾"	1610-2-12	***16-DME-12***	10
	1"	1610-2-16	***16-DME-16***	10

Female Elbows



Tube OD	Female NPT	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼"	⅛"-27	400-8-2	***4-DFE-2***	10
⅜"	¼"-18	600-8-4	***6-DFE-4***	10
½"	½"-14	810-8-8	***8-DFE-8***	10
¾"	½"	1210-8-8	***12-DFE-8***	10
¾"	¾"	1210-8-12	***12-DFE-12***	10
1"	1"	1610-8-16	***16-DFE-16***	10

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Instrumentation Fittings

Union Elbows

Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼"	400-9	***4-DELU-4***	10
⅜"	600-9	***6-DELU-6***	10
½"	810-9	***8-DELU-8***	10
⅝"	1010-9	***10-DELU-10***	10
¾"	1210-9	***12-DELU-12***	10
1"	1610-9	***16-DELU-16***	10



Male Branch Tees

Tube OD	Male NPT	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
⅛"	⅛"-27	200-3TTM	***2-DTTM-2***	10
¼"	¼"-18	400-3-4TTM	***4-DTTM-4***	10
½"	⅜"	810-3TTM	***8-DTTM-6***	10
½"	½"	810-3-8TTM	***8-DTTM-8***	10
¾"	½"	1210-3-8TTM	***12-DTTM-8***	10
¾"	¾"	1210-3TTM	***12-DTTM-12***	10
1"	¾"	1610-3-12TTM	***16-DTTM-12***	10
1"	1"	1610-3-16TTM	***16-DTTM-16***	10



Female Branch Tees

Tube OD	Female NPT	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼"	¼"-18	400-3-4TTF	***4-DTTF-4***	10



Union Tees

Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼"	400-3	***4-DTTT-4***	10
⅜"	600-3	***6-DTTT-6***	10
½"	810-3	***8-DTTT-8***	10
⅝"	1010-3	***10-DTTT-10***	10
¾" x ⅜"	1210-3-12-6	***12-DTTT-6***	10
¾" x ½"	1210-3-12-8	***12-DTTT-8***	10
¾"	1210-3	***12-DTTT-12***	10
1" x ¾"	1610-3-12-16	***16-DTTT-12***	10
1"	1610-3	***16-DTTT-16***	10



Male Run Tees

Tube OD	Male NPT	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
⅛"	⅛"-27	200-3TMT	***2-DTMT-2***	10
¼"	¼"-18	400-3-4TMT	***4-DTMT-4***	10
⅜"	¼"-18	600-3TMT	***6-DTMT-4***	10
½"	⅜"	810-3TMT	***8-DTMT-6***	10
½"	½"	810-3-8TMT	***8-DTMT-8***	10
¾"	¾"	1210-3TMT	***12-DTMT-12***	10
1"	1"	1610-3-16TMT	***16-DTMT-16***	10



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Instrumentation Fittings

Front Ferrules



Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
⅛"	203-1	***DFC-2***	10
¼"	403-1	***DFC-4***	10
⅜"	603-1	***DFC-6***	10
½"	813-1	***DFC-8***	10
⅝"	1013-1	***DFC-10***	10
¾"	1213-1	***DFC-12***	10
1"	1613-1	***DFC-16***	10

Rear Ferrules



Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
⅛"	204-1	***DRC-2***	10
¼"	404-1	***DRC-4***	10
⅜"	604-1	***DRC-6***	10
½"	814-1	***DRC-8***	10
⅝"	1014-1	***DRC-10***	10
¾"	1214-1	***DRC-12***	10
1"	1614-1	***DRC-16***	10

Nuts



Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼"	402-1	***DN-4***	10
⅜"	602-1	***DN-6***	10
½"	812-1	***DN-8***	10
⅝"	1012-1	***DN-10***	10
¾"	1212-1	***DN-12***	10
1"	1612-1	***DN-16***	10

Caps



Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼"	400-C	***4-DCAP***	10
⅜"	600-C	***6-DCAP***	10
½"	810-C	***8-DCAP***	10
⅝"	1010-C	***10-DCAP***	10
¾"	1210-C	***12-DCAP***	10
1"	1610-C	***16-DCAP***	10

Plugs



Tube OD	Interchanges	*316 Stainless Steel* Part #	Pkg Qty
¼"	400-P	***4-DFPLUG***	10
⅜"	600-P	***6-DFPLUG***	10
½"	810-P	***8-DFPLUG***	10
⅝"	1010-P	***10-DFPLUG***	10
¾"	1210-P	***12-DFPLUG***	10
1"	1610-P	***16-DFPLUG***	10

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Compression Fittings

Applications:
- for use with copper, aluminum and Parflex thermoplastic tubing
- not recommended for steel tubing or applications using gaseous media

Features:
- no flaring, soldering or other preparation of tubing necessary to assemble
- manufactured for connection to low and medium pressure tubing connection work where excessive vibration or tube movement is not involved
- Underwriter's Laboratories listed for flammable liquid
- Compression fittings meet functional requirements of SAE J-512 and ASA.

Assembly Instructions:
1. Slide nut, then sleeve onto tubing. The thread end of the nut must face outward.
2. Insert the tube into the fitting. Be sure the tube is bottomed on the fitting shoulder.
3. Assemble nut to body, than tighten hand-tight. Then follow the number of wrench turns as indicated in the table below.

Fitting Size	Tube OD	Tube Wall	Turns required to seal from hand-tight		PSI @ **73°F (23°C)**
			60C Series with soft metal tubing	60PT Series with thermoplastic tubing	
2"	1/8"	.030	1¼	-	**400**
3"	3/16"	.030	1¼	-	**400**
4"	1/4"	.030	1¼	2	**300**
5"	5/16"	.032	1¼	2	**300**
6"	3/8"	.032	2¼	2	**200**
8"	1/2"	.032	2¼	2	**200**
10"	5/8"	.035	2¼	2	**150**
12"	3/4"	.035	2¼	2	**100**
14"	7/8"	.035	2¼	-	**75**

Male Connectors

Feature:
- reference SAE 060102 BA

Tube Size	Pipe Thread	*Brass* Part #
1/8"	⅛"	***68C-0202***
3/16"	⅛"	***68C-0302***
	¼"	***68C-0304***
1/4"	⅛"	***68C-0402***
	¼"	***68C-0404***
	⅜"	***68C-0406***
	½"	***68C-0408***
5/16"	⅛"	***68C-0502***
	¼"	***68C-0504***
3/8"	⅛"	***68C-0602***
	¼"	***68C-0604***
	⅜"	***68C-0606***
	½"	***68C-0608***
7/16"	¼"	***68C-0704***
1/2"	¼"	***68C-0804***
	⅜"	***68C-0806***
	½"	***68C-0808***
5/8"	⅜"	***68C-1006***
	½"	***68C-1008***
	¾"	***68C-1012***
3/4"	½"	***68C-1208***
	¾"	***68C-1212***
7/8"	¾"	***68C-1412***



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Compression Fittings

Female Connectors



Feature:
- reference SAE 060103 BA

Tube Size	Pipe Thread	*Brass* Part #
1/8"	1/8"	***66C-0202***
3/16"	1/8"	***66C-0302***
	1/4"	***66C-0304***
1/4"	1/8"	***66C-0402***
	1/4"	***66C-0404***
5/16"	1/8"	***66C-0502***
	1/4"	***66C-0504***
3/8"	1/8"	***66C-0602***
	1/4"	***66C-0604***
	3/8"	***66C-0606***
	1/2"	***66C-0608***
1/2"	1/4"	***66C-0804***
	3/8"	***66C-0806***
	1/2"	***66C-0808***
5/8"	1/2"	***66C-1008***

Unions



Feature:
- reference SAE 060101 BA

Tube Size	*Brass* Part #
1/8"	***62C-02***
3/16"	***62C-03***
1/4"	***62C-04***
5/16"	***62C-05***
3/8"	***62C-06***
7/16"	***62C-07***
1/2"	***62C-08***
5/8"	***62C-10***
3/4"	***62C-12***
7/8"	***62C-14***

Union Reducers



Feature:
- reference SAE 060101 BA

Tube Size	*Brass* Part #
1/4" x 3/16"	***62C-0403***
3/8" x 1/4"	***62C-0604***
1/2" x 3/8"	***62C-0806***
5/8" x 3/8"	***62C-1006***

Bulkhead Unions



Tube Size	*Brass* Part #
¼"	***62CBH-04***
⅜"	***62CBH-06***

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Compression Fittings

Straight Through Tank Fittings

Tube Size	Pipe Thread	*Brass* Part #
3/16"	1/8"	***682C-0302***
3/8"	3/8"	***682C-0606***
1/2"	1/2"	***682C-0808***



Female Elbows

Feature:
- reference SAE 060203 BA

Tube Size	Pipe Thread	*Brass* Part #
1/8"	1/8"	***170C-0202***
3/16"	1/8"	***170C-0302***
1/4"	1/8"	***170C-0402***
	1/4"	***170C-0404***
3/8"	1/4"	***170C-0604***
	3/8"	***170C-0606***
7/16"	1/4"	***170C-0704***
1/2"	3/8"	***170C-0806***



Male Elbows

Feature:
- reference SAE 060202 BA

Tube Size	Pipe Thread	*Brass* Part #
1/8"	1/8"	***269C-0202***
3/16"	1/8"	***169C-0302***
	1/4"	***169C-0304***
1/4"	1/8"	***169C-0402***
	1/4"	***169C-0404***
	3/8"	***169C-0406***
5/16"	1/8"	***169C-0502***
	1/4"	***169C-0504***
	3/8"	***169C-0506***
3/8"	1/8"	***169C-0602***
	1/4"	***169C-0604***
	3/8"	***169C-0606***
	1/2"	***169C-0608***
1/2"	1/4"	***169C-0804***
	3/8"	***169C-0806***
	1/2"	***169C-0808***
5/8"	1/2"	***169C-1008***
3/4"	1/2"	***169C-1208***
	3/4"	***169C-1212***



45° Elbows

Tube Size	Pipe Thread	*Brass* Part #
¼"	⅛"	***179C-0402***
	¼"	***179C-0404***
⅜"	⅛"	***179C-0602***
	¼"	***179C-0604***
	⅜"	***179C-0606***
½"	⅜"	***179C-0806***



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Compression Fittings

Union Elbows



Feature:
- reference SAE 060201 BA

Tube Size	*Brass* Part #
1/8"	***165C-02***
3/16"	***165C-03***
1/4"	***165C-04***
5/16"	***165C-05***
3/8"	***165C-06***
7/16"	***165C-07***
1/2"	***165C-08***
5/8"	***165C-10***
3/4"	***165C-12***

Male Branch Tees



Feature:
- reference SAE 060425 BA

Tube Size	Pipe Thread	*Brass* Part #
1/8"	1/8"	***172C-0202***
3/16"	1/8"	***172C-0302***
1/4"	1/8"	***172C-0402***
	1/4"	***172C-0404***
3/8"	1/8"	***172C-0602***
	1/4"	***172C-0604***
	3/8"	***172C-0606***
1/2"	3/8"	***172C-0806***

Female Branch Tee



Tube Size	Pipe Thread	*Brass* Part #
¼"	⅛"	***177C-0402***

Union Tees



Feature:
- reference SAE 060401 BA

Tube Size 1 and 2	Tube Size 3	*Brass* Part #
1/8"	1/8"	***164C-02***
3/16"	3/16"	***264C-03***
1/4"	1/4"	***164C-04***
5/16"	5/16"	***164C-05***
3/8"	3/8"	***164C-06***
1/2"	1/2"	***164C-08***
5/8"	5/8"	***164C-10***
3/4"	3/4"	***164C-12***
3/8"	1/4"	***164C-06-06-04***
1/2"	3/8"	***164C-08-08-06***

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Compression Fittings

Male Run Tees

Feature:
- reference SAE 060424 BA

Tube Size	Pipe Thread	*Brass* Part #
1/8"	⅛"	***171C-0202***
3/16"	⅛"	***171C-0302***
1/4"	⅛"	***171C-0402***
1/4"	¼"	***171C-0404***
3/8"	¼"	***171C-0604***



Adapter Tee

Tube Size	Male Pipe Thread	Female Straight Thread	*Brass* Part #
¼"	⅛"	7/16"-24	***176C-0402***



Seal Plug

Tube Size	*Brass* Part #
¼"	***639C-04***



Inserts

Tube Size	Tube Wall Thickness	*Brass* Part #
1/8"	.016"	***63PT-0216***
	.023"	***63PT-0223***
3/16"	.025"	***63PT-0325***
	.040"	***63PT-0340***
1/4"	.040"	***63PT-0440***
	.062"	***63PT-0462***
5/16"	.040"	***63PT-0540***
	.062"	***63PT-0562***
3/8"	.062"	***63PT-0662***
1/2"	.062"	***63PT-0862***
5/8"	.062"	***63PT-1062***



- Acetal sleeves and brass inserts allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

Brass Sleeves

Feature:
- reference SAE 060115

Tube Size	*Brass* Part #
1/8"	***60C-02***
3/16"	***60C-03***
1/4"	***60C-04***
5/16"	***60C-05***
3/8"	***60C-06***
7/16"	***60C-07***
1/2"	***60C-08***
5/8"	***60C-10***
3/4"	***60C-12***
7/8"	***60C-14***



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Compression Fittings

Acetal Sleeves



Tube Size	*Acetal* Part #
1/4"	***60PT-04***
5/16"	***60PT-05***
3/8"	***60PT-06***
1/2"	***60PT-08***
5/8"	***60PT-10***

- Acetal sleeves and brass inserts allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

Nuts

Feature:
- reference SAE 060110



Tube Size	Straight Thread	*Brass* Part #
1/8"	5/16"-24	***61C-02***
3/16"	3/8"-24	***61C-03***
1/4"	7/16"-24	***61C-04***
5/16"	1/2"-24	***61C-05***
3/8"	9/16"-24	***61C-06***
7/16"	5/8"-24	***61C-07***
1/2"	11/16"-20	***61C-08***
5/8"	13/16"-18	***61C-10***
3/4"	1"-18	***61C-12***
7/8"	1-1/8"-18	***61C-14***

Long Nuts

Feature:
- reference SAE 060111



Tube Size	Straight Thread	*Brass* Part #
1/4"	7/16"-24	***61CL-04***
5/16"	1/2"-24	***61CL-05***
3/8"	9/16"-24	***61CL-06***
1/2"	11/16"-20	***61CL-08***
5/8"	13/16"-18	***61CL-10***
3/4"	1"-18	***61CL-12***

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Brass SAE 45° Flare Fittings

Applications:
- for use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared

Features:
- economical fitting
- resists mechanical pullout
- easy to disassemble and may be reassembled repeatedly, for a leak-proof connection
- manufactured from CA 360, CA 345, or CA377 brass
- for use with hard-to-hold liquids and gases
- Listed with Underwriter's Laboratories for flammable liquid, marine, refrigeration and gas applications. Meets functional requirements of SAE J512 and J513, ASA and MS (Military Standards).
- temperature range: **-65°F** to **250°F (-54°C** to **121°C)**

Working Pressure Ranges:
Temperature and type of tubing used are important factors, the following table is a general guide for proper selection. The PSI rating given is based on a temperature of **73°F (22°C)** using copper tubing.

PSI	Tube OD	Tube Wall
1400	¼"	.030
1000	⅜"	.032
750	½"	.032
650	⅝"	.035
550	¾"	.035

Assembly Instructions:
1. Cut tubing squarely and clean tube end thoroughly to remove burrs.
2. Place nut onto tube. Place threaded end of nut toward end of tube.
3. Flare tube end with flaring tool to provide 45° flare (flare tools are available, please contact Dixon® for pricing and availability).
4. Clamp tube flare between nut and nose of fitting body by screwing nut on finger-tight. Tighten with a wrench an additional ¼ turn for a metal-to-metal seal.

Male Connectors

Feature:
- reference SAE 010102

Tube Size	Pipe Size	Straight Thread	Hex	*Brass* Part #
¼"	¼"	7/16"-20	9/16"	***48F-4-4***
	⅜"	7/16"-20	11/16"	***48F-4-6***
	½"	7/16"-20	7/8"	***48F-4-8***
⅜"	⅛"	5/8"-18	5/8"	***48F-6-2***
	¼"	5/8"-18	5/8"	***48F-6-4***
	⅜"	5/8"-18	11/16"	***48F-6-6***
	½"	5/8"-18	7/8"	***48F-6-8***
½"	¼"	3/4"-16	3/4"	***48F-8-4***
	⅜"	3/4"-16	3/4"	***48F-8-6***
	½"	3/4"-16	7/8"	***48F-8-8***
⅝"	⅜"	7/8"-14	7/8"	***48F-10-6***
¾"	¾"	1-1/16"-14	1-1/16"	***48F-12-12***



Female Connectors

Feature:
- reference SAE 010103

Tube Size	Pipe Size	Straight Thread	Hex	*Brass* Part #
¼"	¼"	7/16"-20	11/16"	***46F-4-4***
⅜"	¼"	5/8"-18	11/16"	***46F-6-4***
	⅜"	5/8"-18	13/16"	***46F-6-6***
	½"	5/8"-18	1"	***46F-6-8***
½"	¼"	3/4"-16	3/4"	***46F-8-4***
	⅜"	3/4"-16	13/16"	***46F-8-6***
⅝"	⅜"	7/8"-14	7/8"	***46F-10-6***



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Brass SAE 45° Flare Fittings

Unions



Feature:
- reference SAE 010101

Tube Size	Straight Thread	Hex	*Brass* Part #
¼"	7/16"-20	7/16"	***42F-4***
⅜"	5/8"-18	5/8"	***42F-6***
½"	3/4"-16	3/4"	***42F-8***

Male Elbows



Feature:
- reference SAE 010202

Tube Size	Pipe Size	Straight Thread	*Brass* Part #
¼"	⅛"	7/16"-20	***149F-4-2***
	¼"	7/16"-20	***149F-4-4***
	⅜"	7/16"-20	***149F-4-6***
⅜"	¼"	5/8"-18	***149F-6-4***
	⅜"	5/8"-18	***149F-6-6***
	½"	5/8"-18	***149F-6-8***
½"	¼"	3/4"-16	***149F-8-4***
	⅜"	3/4"-16	***149F-8-6***
	½"	3/4"-16	***149F-8-8***
⅝"	½"	7/8"-14	***149F-10-8***
¾"	¾"	1-1/16"-14	***149F-12-12***

Female Elbows



Feature:
- reference SAE 010203

Tube Size	Pipe Size	Straight Thread	*Brass* Part #
¼"	¼"	7/16"-20	***150F-4-4***
⅜"	⅜"	5/8"-18	***150F-6-6***
⅜"	½"	5/8"-18	***150F-6-8***

90° Swivel Elbows



Tube Size	Straight Thread	*Brass* Part #
¼"	7/16"-20	***166FSV-4-4***
⅜"	5/8"-18	***166FSV-6-6***
½"	3/4"-16	***166FSV-8-8***

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Brass SAE 45° Flare Fittings

45° Elbows

Feature:
- reference SAE 010302



Tube Size	Pipe Size	Straight Thread	*Brass* Part #
¼"	¼"	7/16"-20	***159F-4-4***
⅜"	¼"	5/8"-18	***159F-6-4***
	⅜"	5/8"-18	***159F-6-6***
½"	¼"	3/4"-16	***159F-8-4***
	⅜"	3/4"-16	***159F-8-6***
	½"	3/4"-16	***159F-8-8***

Union Tees

Feature:
- reference SAE 010401



Tube Size	Straight Thread	*Brass* Part #
¼"	7/16"-20	***144F-4***
⅜"	5/8"-18	***144F-6***
½"	3/4"-16	***144F-8***

Short Nuts

Features:
- short nut for use when vibration is minimal
- reference SAE 010110



Tube Size	Straight Thread	Hex	*Brass* Part #
¼"	7/16"-20	9/16"	***41FS-4***
⅜"	5/8"-18	3/4"	***41FS-6***
½"	3/4"-16	7/8"	***41FS-8***

Long Nuts

Features:
- long nut offers additional vibration capacity
- reference SAE 010111



Tube Size	Straight Thread	Hex	*Brass* Part #
¼"	7/16"-20	9/16"	***41FL-4***
⅜"	5/8"-18	3/4"	***41FL-6***
½"	3/4"-16	7/8"	***41FL-8***

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Flareless Bite Fittings

Applications:
- chemical, pulp and paper, oil and gas refineries, military, air compressors and machine tools
- well-suited for a variety of processing and general hydraulic applications

Features:
- Ideally suited for use with tubing having medium to extra heavy wall thicknesses.
- 3 piece design, with only one ferrule eliminates possible make-up errors that may occur using a twin ferrule tube fitting.
- Minimal risk of improper assembly as the ferrule visibly bites into the tubing, allowing installer to visually inspect the bite quality.
- fittings are suitable for sub-zero through elevated temperature applications
- temperature rating is limited by the material chosen
- pressure ratings are determined by the size (OD) and wall thickness (inches/mm) of the tubing on which they are to be installed

Specifications:
- exceeds Military (MIL F18866) and SAE J514 standards

Assembly Instructions:
- cut, de-burr and clean tubing
- pre-set ferrule onto tubing
- inspect ferrule bite in tubing by disassembling the fitting and visually inspecting the de-burred end of tube for slight indentation
- finger tighten nut and then further wrench tighten nut another 1/3 to 1/2 turn



Male Tube x Male NPTF Adapters

Tube OD	Male NPTF	*Steel* Part #
1/8"	1/8"	***FLC2404-02***
	1/4"	***FLC2404-02-04***
3/16"	1/8"	***FLC2404-03-02***
1/4"	1/8"	***FLC2404-04-02***
	1/4"	***FLC2404-04***
	3/8"	***FLC2404-04-06***
	1/2"	***FLC2404-04-08***
5/16"	1/8"	***FLC2404-05-02***
	1/4"	***FLC2404-05-04***
3/8"	1/8"	***FLC2404-06-02***
	1/4"	***FLC2404-06-04***
	3/8"	***FLC2404-06***
	1/2"	***FLC2404-06-08***
1/2"	1/4"	***FLC2404-08-04***
	3/8"	***FLC2404-08-06***
	1/2"	***FLC2404-08***
	3/4"	***FLC2404-08-12***
5/8"	3/8"	***FLC2404-10-06***
	1/2"	***FLC2404-10-08***
	3/4"	***FLC2404-10-12***
3/4"	1/2"	***FLC2404-12-08***
	3/4"	***FLC2404-12***
	1"	***FLC2404-12-16***
1"	3/4"	***FLC2404-16-12***
	1"	***FLC2404-16***
	1-1/4"	***FLC2404-16-20***
1-1/4"	3/4"	***FLC2404-20-12***
	1-1/4"	***FLC2404-20***
1-1/2"	1-1/2"	***FLC2404-24***



Male Tube x Male 37° JIC

Tube OD	Male 37° JIC	*Steel* Part #
¼"	¼"	***FLC2402-04-04***
⅜"	⅜"	***FLC2402-06-06***
½"	½"	***FLC2402-08-08***
¾"	¾"	***FLC2402-12-12***

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Male Tube x Female NPTF Adapters

Tube OD	Female NPTF	*Steel* Part #
1/8"	⅛"	***FLC2405-02***
1/4"	⅛"	***FLC2405-04-02***
	¼"	***FLC2405-04***
5/16"	⅛"	***FLC2405-05-02***
3/8"	¼"	***FLC2405-06-04***
	⅜"	***FLC2405-06***
1/2"	¼"	***FLC2405-08-04***
	⅜"	***FLC2405-08-06***
	½"	***FLC2405-08***
5/8"	½"	***FLC2405-10-08***
3/4"	¾"	***FLC2405-12***
1"	1"	***FLC2405-16***
1-1/4"	1¼"	***FLC2405-20***



Tube Unions

Tube OD	*Steel* Part #
1/8"	***FLC2403-02***
3/16"	***FLC2403-03***
1/4"	***FLC2403-04***
5/16"	***FLC2403-05***
3/8"	***FLC2403-06***
1/2"	***FLC2403-08***
5/8"	***FLC2403-10***
3/4"	***FLC2403-12***
1"	***FLC2403-16***
1-1/4"	***FLC2403-20***
1-1/2"	***FLC2403-24***



Male Tube x Male NPTF Adapter 90° Elbows

Tube OD	Male NPTF	*Steel* Part #
1/8"	⅛"	***FLC2501-02***
3/16"	⅛"	***FLC2501-03-02***
1/4"	⅛"	***FLC2501-04-02***
	¼"	***FLC2501-04***
	⅜"	***FLC2501-04-06***
5/16"	⅛"	***FLC2501-05-02***
	¼"	***FLC2501-05-04***
3/8"	⅛"	***FLC2501-06-02***
	¼"	***FLC2501-06-04***
	⅜"	***FLC2501-06***
	½"	***FLC2501-06-08***
1/2"	¼"	***FLC2501-08-04***
	⅜"	***FLC2501-08-06***
	½"	***FLC2501-08***
	¾"	***FLC2501-08-12***
5/8"	⅜"	***FLC2501-10-06***
	½"	***FLC2501-10-08***
3/4"	½"	***FLC2501-12-08***
	¾"	***FLC2501-12***
1"	¾"	***FLC2501-16-12***
	1"	***FLC2501-16***
1¼"	1¼"	***FLC2501-20***
1½"	1½"	***FLC2501-24***



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Male Union 90° Elbows



Tube OD	*Steel* Part #
1/4"	***FLC2500-04***
5/16"	***FLC2500-05***
3/8"	***FLC2500-06***
1/2"	***FLC2500-08***
5/8"	***FLC2500-10***
3/4"	***FLC2500-12***
1"	***FLC2500-16***
1-1/4"	***FLC2500-20***

Male Tube Union Tees



Tube OD	*Steel* Part #
1/8"	***FLC2603-02***
3/16"	***FLC2603-03***
1/4"	***FLC2603-04***
5/16"	***FLC2603-05***
3/8"	***FLC2603-06***
1/2"	***FLC2603-08***
5/8"	***FLC2603-10***
3/4"	***FLC2603-12***
1"	***FLC2603-16***
1-1/4"	***FLC2603-20***

Ferrules



Tube OD	*Steel* Part #
1/8"	***FLC0319-02***
3/16"	***FLC0319-03***
1/4"	***FLC0319-04***
5/16"	***FLC0319-05***
3/8"	***FLC0319-06***
1/2"	***FLC0319-08***
5/8"	***FLC0319-10***
3/4"	***FLC0319-12***
1"	***FLC0319-16***
1-1/4"	***FLC0319-20***
1-1/2"	***FLC0319-24***

Nuts



Tube OD	*Steel* Part #
1/8"	***FLC0318-02***
3/16"	***FLC0318-03***
1/4"	***FLC0318-04***
5/16"	***FLC0318-05***
3/8"	***FLC0318-06***
1/2"	***FLC0318-08***
5/8"	***FLC0318-10***
3/4"	***FLC0318-12***
1"	***FLC0318-16***
1-1/4"	***FLC0318-20***
1-1/2"	***FLC0318-24***

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Sharkbite® Push to Connect Fittings

Applications:

- for ***water***, ***dry, clean air*** or ***100% glycol solutions*** only
- connects copper, CPVC, and PEX pipe in any combination
- approved for use underground and behind walls without access panels

Features:

- no soldering, clamps, unions or glue needed
- pressure rating: **200 PSI** at **200°F (93°C)**
- integral tube liner for PEX installations
- Fittings can be rotated after assembly for easier installation in tight spaces.
- easy to disconnect if needed
- design certified and listed to ASSE 1061/NSF 61
- listed by IAPMO
- meets UPC, IPC and cUPC requirements
- all Sharkbite® fittings are lead free

Straight Couplings

Tube Size	*Forged Brass* Part #
½" x ½"	***U008***
¾" x ¾"	***U016***
1" x 1"	***U020***



Reducing Couplings

Tube Size	*Forged Brass* Part #
¾" x ½"	***U058***
1" x ¾"	***U060***



Straight Connectors

Tube Size	Female NPT	*Forged Brass* Part #
½"	½"	***U072***
¾"	¾"	***U088***
1"	1"	***U094***



Tube Size	Male NPT	*Forged Brass* Part #
½"	½"	***U120***
¾"	¾"	***U134***
1"	1"	***U140***



Reducing Connectors

Tube Size	Female NPT	*Forged Brass* Part #
½"	¾"	***U068***



Tube Size	Male NPT	*Forged Brass* Part #
½"	¾"	***U116***



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Sharkbite® Push to Connect Fittings

Elbows



Tube Size	*Forged Brass* Part #
½" x ½"	***U248***
¾" x ¾"	***U256***
1" x 1"	***U260***

Drop Ear Elbow



Tube Size	Female NPT	*Forged Brass* Part #
½"	½"	***U334***

Tees



Tube Size	*Forged Brass* Part #
½"	***U362***
¾"	***U370***

Reducing Tee



Tube Size (2)	Tube Size	*Forged Brass* Part #
¾"	½"	***U412***

End Stops



Tube Size	*Forged Brass* Part #
½"	***U514***
¾"	***U518***
1"	***U520***

Slip Couplings



Application:
- for use with copper pipe only

Tube Size	*Forged Brass* Part #
½"	***U3008***
¾"	***U3016***

Disconnect Clips



Size	*ABS Plastic* Part #
½"	***U710***
¾"	***U712***
1"	***U714***

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LIQUIfit™ Fittings

Application:
- Suitable for water, potable liquids and neutral gas applications: including water filtration, water coolers, coffee machines and beverage dispensers.

Features:
- EPDM seal secures connection with larger surface area than standard O-rings
- engineered polymer allows superior mechanical strength and chemical resistance
- full stainless gripping ring eliminates the need for locking clips
- release button protects and supports tubing
- FDA compliant
- meets California and Vermont <0.25% lead requirements
- NSF-51 listed for contact with food
- NSF-61 list C-Hot rated
- in compliance with the following standards:

Specifications:
- working pressure:
  - ¼" **230 PSI** from **35°F** to **100°F (1.7°C** to **38°C)**
    150 PSI at **150°F (66°C)**
    60 PSI at **200°F (93°C)**
  - ⅜" **190 PSI** from **35°F** to **100°F (1.7°C** to **38°C)**
    100 PSI at **150°F (66°C)**
    60 PSI at **200°F (93°C)**
  - ½" **160 PSI** from **35°F** to **100°F (1.7°C** to **38°C)**
    100 PSI at **150°F (66°C)**
    60 PSI at **200°F (93°C)**
- maximum torque values for NPTF threads:
  - ⅛" and ¼" 1.0 ft. lbs. / 1.5Nm
  - ⅜" and ½" 2.2 ft. lbs. / 3.0Nm

Male Connectors

Tube OD	Male NPTF	*Nylon* Part #	Pkg Qty
¼"	⅛"	***65055611WP2***	10
	¼"	***65055614WP2***	10
⅜"	¼"	***65056014WP2***	10
	⅜"	***65056018WP2***	10
½"	⅜"	***65056218WP2***	5
	½"	***65056222WP2***	5



Female Connectors

Tube OD	Female NPTF	*Nylon* Part #	Pkg Qty
¼"	¼"	***63155614WP2***	10
⅜"	⅜"	***63156018WP2***	10



Faucet Connectors

Tube OD	Female UNS	*Nylon* Part #	Pkg Qty
¼"	7/16-24	***632556133WP2***	10
⅜"	7/16-24	***632560133WP2***	10



Fixed Elbows

Tube OD	Male NPTF	*Nylon* Part #	Pkg Qty
¼"	⅛"	***65795611WP2***	10
	¼"	***65795614WP2***	10
	⅜"	***65795618WP2***	10
⅜"	¼"	***65796014WP2***	10
	⅜"	***65796018WP2***	10



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LIQUIfit™ Fittings

Union Elbows



Tube OD	*Nylon* Part #	Pkg Qty
¼"	***63025600WP2***	10
⅜"	***63026000WP2***	10
½"	***63026200WP2***	5

Union Tees



Tube OD	*Nylon* Part #	Pkg Qty
¼"	***63045600WP2***	10
⅜"	***63046000WP2***	10
½"	***63046200WP2***	5

Union Connectors



Tube OD 1	Tube OD 2	*Nylon* Part #	Pkg Qty
¼"	¼"	***63065600WP2***	10
	⅜"	***63065660WP2***	10
⅜"	⅜"	***63066000WP2***	10
	½"	***63066062WP2***	5
½"	½"	***63066200WP2***	5

Unequal Union Tee



Branch Tube OD (1)	Run Tube OD (2)	*Nylon* Part #	Pkg Qty
¼"	⅜"	***63046056WP2***	10

Bulkhead Unions



Tube OD	*Nylon* Part #	Pkg Qty
¼"	***63165600WP2***	10
⅜"	***63166000WP2***	10
½"	***63166200WP2***	5

Union Y Connectors



Tube OD	*Nylon* Part #	Pkg Qty
¼"	***63405600WP2***	10
⅜"	***63406000WP2***	10
½"	***63406200WP2***	5

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LIQUIfit™ Fittings

Swivel Elbows

Tube OD	Male NPTF	*Nylon* Part #	Pkg Qty
¼"	⅛"	***65095611WP2***	10
	¼"	***65095614WP2***	10
	⅜"	***65095618WP2***	10
⅜"	¼"	***65096014WP2***	10
	⅜"	***65096018WP2***	10
½"	⅜"	***65096218WP2***	4
	½"	***65096222WP2***	4



Swivel Branch Tees

Tube OD	Male NPTF	*Nylon* Part #	Pkg Qty
¼"	⅛"	***65085611WP2***	10
	¼"	***65085614WP2***	10
	⅜"	***65085618WP2***	10
⅜"	¼"	***65086014WP2***	10
	⅜"	***65086018WP2***	10



Swivel Male Run Tees

Tube OD	Male NPTF	*Nylon* Part #	Pkg Qty
¼"	⅛"	***65035611WP2***	10
	¼"	***65035614WP2***	10
	⅜"	***65035618WP2***	10
⅜"	¼"	***65036014WP2***	10
	⅜"	***65036018WP2***	10



Stem Adapters

Tube OD	Male NPTF	*Nylon* Part #	Pkg Qty
¼"	¼"	***65215614WP2***	10
	⅜"	***65215618WP2***	10
⅜"	¼"	***65216014WP2***	10
	⅜"	***65216018WP2***	10
½"	⅜"	***65216218WP2***	5
	½"	***65216222WP2***	5



End Stops

Tube OD	*Nylon* Part #	Pkg Qty
¼"	***63515600WP2***	10
⅜"	***63516000WP2***	10



Plugs

Tube OD	*Nylon* Part #	Pkg Qty
¼"	***63265600WP2***	10
⅜"	***63266000WP2***	10
½"	***63266200WP2***	5



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LIQUIfit™ Fittings

Hose Stems



Tube OD	Stem	*Nylon* Part #	Pkg Qty
¼"	1/4"	***63225656WP2***	10
⅜"	1/4"	***63226056WP2***	10
	5/16"	***63226008WP2***	10
	3/8"	***63226060WP2***	10
½"	3/8"	***63226260WP2***	10

Plug-in Reducers



Tube OD	Plug-in	*Nylon* Part #	Pkg Qty
¼"	5/16"	***63665608WP2***	10
¼"	3/8"	***63665660WP2***	10
⅜"	1/2"	***63666062WP2***	5

Plug-in Elbows



Tube OD	Plug-in	*Nylon* Part #	Pkg Qty
¼"	¼"	***63825600WP2***	10
⅜"	⅜"	***63826000WP2***	10
½"	½"	***63826200WP2***	5

Plug-in Tees



Tube OD	Plug-in	*Nylon* Part #	Pkg Qty
¼"	¼"	***63885600WP2***	10
⅜"	⅜"	***63886000WP2***	10
½"	½"	***63886200WP2***	5

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TrueSeal™ Ball Valves

Application:
These corrosion resistant, all-plastic designed ball valves are ideal for water filtration units, coffee and beverage machines and a wide variety of other fluid applications.

Features:
- EPDM seal secures connection with larger surface area than standard O-rings
- full flow self-cleaning ball
- high-temperature, scale resistant Polysulfone ball
- glass-reinforced Polypropylene body
- FDA compliant
- NSF-51 listed for contact with food
- certified to NSF-61

Specifications:
- temperature range: **0°F** to **225°F (-18°C** to **107°C)**
- O-ring seal material: EPDM
- maximum operating pressure: **150 PSI**
- Burst pressure **600 PSI**
- Actual working pressures will be lower at elevated temperatures.

Tube to Male NPTF

Tube OD	Male NPTF	*Polypropylene* Part #	Pkg Qty
¼"	¼"	***PP4VMC4-MG***	10
	⅜"	***PP4VMC6-MG***	10
⅜"	¼"	***PP6VMC4-MG***	10
	⅜"	***PP6VMC6-MG***	10



Tube to Female NPTF

Tube OD	Female NPTF	*Polypropylene* Part #	Pkg Qty
¼"	⅛"	***PP4VFC2-MG***	10
	¼"	***PP4VFC4-MG***	10
	⅜"	***PP4VFC6-MG***	10
⅜"	⅛"	***PP6VFC2-MG***	10
	¼"	***PP6VFC4-MG***	10
	⅜"	***PP6VFC6-MG***	10



Tube to Male NPTF Elbows

Tube OD	Male NPTF	*Polypropylene* Part #	Pkg Qty
¼"	¼"	***PP4VME4-MG***	10
	⅜"	***PP4VME6-MG***	10
	½"	***PP4VME8-MG***	10
⅜"	¼"	***PP6VME4-MG***	10
	⅜"	***PP6VME6-MG***	10
	½"	***PP6VME8-MG***	10



Tube to Female NPTF Elbows

Tube OD	Female NPTF	*Polypropylene* Part #	Pkg Qty
¼"	¼"	***PP4VFE4-MG***	10
	⅜"	***PP4VFE6-MG***	10
⅜"	¼"	***PP6VFE4-MG***	10
	⅜"	***PP6VFE6-MG***	10



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TrueSeal™ Ball Valves

Tube to Tube Unions



Tube OD 1	Tube OD 2	*Polypropylene* Part #	Pkg Qty
¼"	¼"	***PP4VUC4-MG***	10
⅜"	¼"	***PP4VUC6-MG***	10
⅜"	⅜"	***PP6VUC6-MG***	10

Tube to Tube Elbow Unions



Tube OD 1	Tube OD 2	*Polypropylene* Part #	Pkg Qty
¼"	¼"	***PP4VEU4-MG***	10
	⅜"	***PP4VEU6-MG***	10
⅜"	¼"	***PP6VEU4-MG***	10
	⅜"	***PP6VEU6-MG***	10

Tube to Plug-in Elbow Unions



Tube OD	Stem	*Polypropylene* Part #	Pkg Qty
¼"	⅜"	***PP4VTEU6-MG***	10
⅜"	⅜"	***PP6VTEU6-MG***	10

TrueSeal™ Check Valves

Application:
Push-to connect check valves ensure protection against reversal of flow. The valves have an arrow molded into the body to indicate the direction of flow. Valves are designed for connection with either thermoplastic or soft metal tubing and are intended *for use with liquids only*.



Features:
- body material: acetal
- O-ring: EPDM
- metal grip edge: 300 stainless steel
- NSF-51 listed
- maximum operating pressure: **150 PSI** (dependent on tubing used)
- temperature range: **34°F** to **150°F (1°C** to **65°C)**
- cracking pressure: 1/3 PSI

Tube OD	*Acetal* Part #	Pkg Qty
¼"	***A4VC4-MG***	25
⅜"	***A6VC6-MG***	25

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300# Single Jacket All Polyester Fire Hose

Features:

- outer construction: single jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **300 PSI**
- service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **135 PSI** at ambient temperature **70°F (21°C)**
- 25' and 75' lengths, UL labeled hoses and other threads and configurations are available, contact Dixon®

Uncoupled



Size	Bowl	Length	Part #
1½"	1-3/4" 1-3/4"	50' 100'	***A315-50UC*** ***A315-100UC***
2"	2-1/4" 2-1/4"	50' 100'	***A320-50UC*** ***A320-100UC***
2½"	2-13/16" 2-13/16"	50' 100'	***A325-50UC*** ***A325-100UC***
3"	3-3/8" 3-3/8"	50' 100'	***A330-50UC*** ***A330-100UC***

Coupled with female and male expansion ring couplings



Size	Length	Rocker Lug *Aluminum NST (NH)* Part #	Rocker Lug *Brass NST (NH)* Part #	Rocker Lug *Aluminum NPSH* Part #
1½"	50' 100'	***A315-50RAF*** ***A315100RAF***	***A315-50RBF*** ***A315100RBF***	***A315-50RAS*** ***A315100RAS***
2"	50" 100'	--- ---	--- ---	***A320-50RAS*** ***A320100RAS***
2½"	50' 100'	***A325-50RAF*** ***A325100RAF***	***A325-50RBF*** ***A325100RBF***	***A325-50RAS*** ***A325100RAS***
3"	50' 100'	--- ---	--- ---	***A330-50RAS*** ***A330100RAS***

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500# Single Jacket All Polyester Fire Hose

Features:
- outer construction: single jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **500 PSI**
- service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**
- other threads and configurations are available, contact Dixon®

Uncoupled

Size	Bowl	Length	Part #
1"	1-1/4"	50'	***A510-50UC***
	1-1/4"	100'	***A510-100UC***
1½"	1-3/4"	50'	***A515-50UC***
	1-3/4"	100'	***A515-100UC***
2½"	2-13/16"	50'	***A525-50UC***
	2-13/16"	100'	***A525-100UC***



Coupled with female and male expansion ring couplings

Size	Length	Rocker Lug *Aluminum NST (NH)* Part #	Rocker Lug *Brass NST (NH)* Part #	Rocker Lug *Aluminum NPSH* Part #
1"	50'	***A510-50RAF***	---	***A510-50RAS***
	100'	***A510100RAF***	---	***A510100RAS***
1½"	25'	***A515-25RAF***	---	***A515-25RAS***
	50'	***A515-50RAF***	***A515-50RBF***	***A515-50RAS***
	75'	***A515-75RAF***	---	***A515-75RAS***
	100'	***A515100RAF***	***A515100RBF***	***A515100RAS***
2½"	25'	***A525-25RAF***	---	***A525-25RAS***
	50'	***A525-50RAF***	***A525-50RBF***	***A525-50RAS***
	75'	***A525-75RAF***	---	---
	100'	***A525100RAF***	***A525100RBF***	***A525100RAS***



500# Single Jacket Fire Hose - UL labeled

Coupled with female and male expansion ring couplings

Features:
- outer construction: single jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **500 PSI**
- service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**
- Underwriters Listed
- impregnated hose and other lengths threads and configurations are available, contact Dixon®

Size	Coupling Type	Length	*NST Thread* Part #
1½"	combo lug, brass	50'	***A515U50CBF***
2½"	combo lug, brass	50	***A525U50CBF***



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500# Single Jacket Fire Hose - Color Impregnated


orange


red

Features:
- outer construction: single jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **500 PSI**
- service test pressure: **250 PSI**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon® for pricing and availability of other colors, lengths, threads and configurations

Coupled with female and male expansion ring couplings

Size	Coupling Type	Length	Color	Part #
1½"	rocker lug, aluminum, NST (NH)	50'	yellow	***A515Y50RAF***
	rocker lug, aluminum, NPSH	50'	yellow	***A515Y50RAS***
	rocker lug, aluminum, NST (NH)	50'	red	***A515R50RAF***
	rocker lug, aluminum, NPSH	50'	red	***A515R50RAS***
	rocker lug, aluminum, NST (NH)	50'	orange	***A515OR50RAF***
	rocker lug, aluminum, NPSH	50'	orange	***A515OR50RAS***

800# Double Jacket All Polyester Fire Hose



Features:
- outer construction: double jacket, all polyester
- tube construction: EPDM rubber lining
- proof pressure: **800 PSI**
- service test pressure: **400 PSI**
- working pressure: **360 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon™ for pricing and availability of 75' lengths and other threads and configurations

Coupled with female and male expansion ring couplings

Size	Length	Rocker Lug *Aluminum NST (NH)* **RAF**	Rocker Lug *Brass NST (NH)* **RBF**	Rocker Lug *Aluminum NPSH* **RAS**
1½"	25'	***D815-25RAF***	---	---
	50'	***D815-50RAF***	***D815-50RBF***	***D815-50RAS***
	100'	***D815100RAF***	***D815100RBF***	***D815100RAS***
2½"	25'	***D825-25RAF***	---	---
	50'	***D825-50RAF***	***D825-50RBF***	***D825-50RAS***
	100'	***D825100RAF***	***D825100RBF***	***D825100RAS***

800# Double Jacket Fire Hose - Color Impregnated



Features:
- outer construction: double jacket, all polyester
- tube construction: black, synthetic rubber liner
- proof pressure: **800 PSI** at **70°F (21°C)**
- service test pressure: **400 PSI** at **70°F (21°C)**
- working pressure: **360 PSI** at **70°F (21°C)**
- other lengths, threads and couplings and colors (yellow, red, blue, tan, orange, green, black) are available, contact Dixon®

Coupled with female & male expansion ring couplings

Size	Thread NH (NST)	Coupling Type	Length	Part #
1½"	1½"	rocker lug, aluminum NST (NH)	50'	***D815Y50RAF***
		rocker lug, aluminum NST (NH)	100'	***D815Y100RAF***
		rocker lug, aluminum NPSH	50'	***D815Y50RAS***
		rocker lug, aluminum NPSH	100'	***D815Y100RAS***
1¾"	1½"	rocker lug, aluminum NST (NH)	50'	NEW ***D817Y50RAF***
2½"	2½"	rocker lug, aluminum NST (NH)	50'	***D825Y50RAF***
		rocker lug, aluminum NST (NH)	100'	NEW ***D825Y100RAF***
3"	2½"	rocker lug, aluminum NST (NH)	50'	NEW ***D8325Y50RAF***

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MSHA Approved Single Jacket Mine Fire Hose

Coupled with female and male aluminum rocker lug expansion ring couplings

Specification:
- approved by MSHA: Mine Safety and Health Administration for all mine fire protection applications



Features:
- outer construction: single jacket, synthetic flame resistant
- tube construction: flame resistant lining
- proof pressure: **500 PSI** at **70°F (21°C)**
- service test pressure: **250 PSI** at **70°F (21°C)**
- working pressure: **225 PSI** at **70°F (21°C)**

Size	Thread	Length	Part #
1½"	NST (NH)	50'	***SM515W50RAF***
	NPSH	50'	***SM515W50RAS***

Double Jacket Potable Water Hose - Blue

Features:
- Liner is NSF approved for potable water, fittings are not, except for temporary / emergency drinking needs only.
- outer construction: double jacket, all polyester
- tube construction: thermoplastic
- proof pressure: **600 PSI** at **70°F (21°C)**
- service test pressure: **300 PSI** at **70°F (21°C)**
- working pressure: **270 PSI** at **70°F (21°C)**



Coupled with female and male, brass or aluminum rocker lug, expansion ring couplings

Size	Thread	Length	*Brass* Expansion Ring Part #	*Aluminum* Expansion Ring Part #
1½"	NPSH	50'	***PW615B50RBS***	***PW615B50RAS***
	NPSH	100'	***PW615B100RBS***	***PW615B100RAS***
	NST (NH)	50'	***PW615B50RBF***	***PW615B50RAF***
	NST (NH)	100'	***PW615B100RBF***	***PW615B100RAF***
2½"	NPSH	50'	***PW625B50RBS***	***PW625B50RAS***
	NPSH	100'	***PW625B100RBS***	***PW625B100RAS***
	NST (NH)	50'	***PW625B50RBF***	***PW625B50RAF***
	NST (NH)	100'	***PW625B100RBF***	***PW625B100RAF***

500# All Polyester Rack Hose - UL Labeled

Application:
- for pin rack service / emergency fire fighting only, not to be used for washdown







Features:
- outer construction: single jacket, all polyester
- tube construction: clear thermoplastic
- proof pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **135 PSI** at ambient temperature **70°F (21°C)**
- Underwriters Listed

Coupled with female and male expansion ring couplings

Size	Coupling Type	Length	*Folded* Part #	*Coiled* Part #
1½"	combo lug, brass NST (NH)	50'	***R515U50CBF/F***	***R515U50CBF***
	combo lug, brass NST (NH)	100'	***R515U100CBF/F***	***R515U100CBF***
	combo lug, alum. NST (NH)	50'	***R515U50RAF/F***	***R515U50RAF***
	combo lug, alum. NST (NH)	100'	***R515U100RAF/F***	**---**

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500# All Polyester Rack Hose - non-UL Labeled







Application:
- for pin rack service / emergency fire fighting only, not to be used for washdown

Features:
- outer construction: single jacket, all polyester
- tube construction: clear thermoplastic
- proof pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**

Coupled with female and male expansion ring couplings

Size	Coupling Type	Length	Folded Part #	Coiled Part #
1½"	combo lug, brass NST (NH)	50'	***R515-50CBF/F***	***R515-50CBF***
	combo lug, brass NST (NH)	100'	***R515100CBF/F***	***R515100CBF***
	combo lug, alum. NST (NH)	50'	***R515-50RAF/F***	***R515-50RAF***
	combo lug, alum. NST (NH)	100'	***R515100RAF/F***	***R515100RAF***

500# Nitrile Covered Fire Hose - Light Duty Red

Application:
- ideal for industrial and construction washdown and discharge applications

Features:
- outer construction: thin ribbed nitrile
- tube construction: nitrile
- proof pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **225 PSI** at ambient temperature **70°F (21°C)**
- other colors, threads and configurations are availabe, consult Dixon®

Uncoupled



Size	Bowl	Length	Part #
1½"	1-13/16"	50'	***H515R50UC***
2½"	2-13/16"	50'	***H525R50UC***
1½"	1-13/16"	100'	***H515R100UC***
2½"	2-13/16"	100'	***H525R100UC***

Coupled with female and male expansion ring couplings



Size	Length	Rocker Lug Aluminum *NST (NH)* Part #	Rocker Lug Brass *NST (NH)* Part #	Rocker Lug Aluminum *NPSH* Part #
1½"	50'	***H515R50RAF***	***H515R50RBF***	***H515R50RAS***
2½	50'	***H525R50RAF***	***H525R50RBF***	***H525R50RAS***
1½"	100'	***H515R100RAF***	---	***H515R100RAS***
2½"	100'	***H525R100RAF***	---	---

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Forestry Non Weeping Fire Hose

Features:
- outer construction: single jacket, all polyester
- tube construction: thermoplastic
- impregnation: yellow
- proof pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **270 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon® for pricing and availability of 25' lengths, other threads and configurations



Coupled with female and male expansion ring couplings

Size	Length	Rocker Lug *Aluminum NST (NH)* Part #	Rocker Lug *Aluminum NPSH* Part #
1"	50'	***NF610Y50RAF***	***NF610Y50RAS***
1"	100'	***NF610Y100RAF***	***NF610Y100RAS***
1½"	50'	***NF615Y50RAF***	***NF615Y50RAS***
1½"	100'	***NF615Y100RAF***	***NF615Y100RAS***

Forestry Mop Up Hose

Application:
- used on mop-up and low volume hand lines to fill pump cans supplying sprinklers and remote fire line protection

Features:
- 50' coil diameter is 9"
- outer construction: single jacket, synthetic
- tube construction: thermoplastic
- impregnation: yellow
- proof pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **135 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon™ for pricing and availability of other threads and configurations



Coupled with female and male brass ferrule type garden hose couplings

Size	Length	Part #
¾"	50'	***NF307Y50GHT***
1½"	50'	***NF615-50RAQT*** [1]
1½"	100'	***NF615100RAQT*** [1]

[1] coupled with quarter turn forestry couplings

Forestry Mop Up Hose Kit



Description	Part #
kit contains: hose, pouch and nozzle	***NF307Y50GHT-KIT***

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Nitrile Covered Fire Hose - Heavy Duty - Yellow

Applications:
- ideal for heavy-duty washdown in refineries and power plants

Features:
- extruded interlocking matrix fire hose with 100% synthetic circular woven polyester reinforcement
- heavy ribbed for severe service
- outer construction: thick ribbed nitrile
- tube construction: nitrile
- 25' lengths, other colors, threads and configurations are available, contact Dixon®
- Pressures supplied in the chart below are at ambient temperature **70°F (21°C).**

Size	Proof Pressure PSI	Service Test Pressure PSI	Working Pressure PSI
1" - 3"	**600**	**300**	**270**
4"	**450**	**225**	**200**
5"	**400**	**200**	**180**
6"	**300**	**150**	**135**

Uncoupled



Size	Bowl	Length	Part #
1"	1-1/4"	50'	***H610Y50UC***
1½"	1-13/16"	50'	***H615Y50UC***
2"	2-1/4"	50'	***H620Y50UC***
2½"	2-13/16"	50'	***H625Y50UC***
3"	3-3/8"	50'	***H630Y50UC***
4"	4-3/8"	50'	***H440Y50UC***
5"	5-3/8"	50'	***H450Y50UC***

Coupled with female and male expansion ring couplings



Size	Length	Rocker Lug *Aluminum NST (NH)* **RAF**	Rocker Lug *Brass NST (NH)* **RBF**	Pin Lug *Brass NST (NH)* **PBF**	Rocker Lug *Aluminum NPSH* **RAS**
1"	50'	***H610Y50RAF***	**---**	**---**	***H610Y50RAS***
1½"	50'	***H615Y50RAF***	***H615Y50RBF***	***H615Y50PBF***	***H615Y50RAS***
2½"	50'	***H625Y50RAF***	***H625Y50RBF***	***H625Y50PBF***	***H625Y50RAS***

Coupled with female and male segmented Storz collar style couplings



Features:
- working pressures can be achieved using appropriate expansion ring couplings
- under no circumstance should the hose be used beyond the working pressure of the fittings to which it is coupled
- assembled hose should be hydrostatically proof tested before use, and thereafter in accordance with NFPA 1962

Size	Length	Storz Size	Part #
4"	50'	4"	***H440Y50SZ***
5"	50'	5"	***H450Y50SZ***
5"	100'	5"	***H450Y100SZ***

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Non-collapsible Hose

Chemical Booster Hose - Red

Features:

- outer cover material: specially compounded red EPDM tough cover
- inner tube material: smooth black synthetic EPDM rubber
- reinforced with multiple plies of high tensile Aramid yarn providing flexible strength
- ¾" diameter hose is coupled with 1" threaded couplings
- meets and exceeds NFPA standard 1961
- working pressure: **800 PSI**

Coupled with female and male NST (NH) thread, chromed brass hole type couplings

Size	Length	Part #
¾"	50' 100'	***80B07-50HCF*** ***80B07-100HCF***
1"	50' 100'	***80B10-50HCF*** ***80B10-100HCF***



Coupled with female and male NST (NH) thread, hole type coupling, aluminum expansion ring couplings

Size	Length	Part #
¾"	50' 100'	***80B07-50HAF*** ***80B07-100HAF***
1"	50' 100'	***80B10-50HAF*** ***80B10-100HAF***

Fire and Utility Hose - Red

Features:

- outer construction is designed to withstand abrasion
- working pressure: **200 PSI** at ambient temperature **70°F (21°C)**
- burst pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- consult Dixon® for pricing and availability of other lengths, threads and configurations
- also available with chrome brass fittings

Coupled with female and male NST (NH) thread, rocker lug, brass expansion ring couplings

Size	Length	Part #
1½"	50' 100'	***15B15-50RBF*** ***15B15-100RBF***



Coupled with female and male NST (NH) thread, rocker lug, aluminum expansion ring couplings

Size	Length	Part #
1½"	50' 100'	***15B15-50RAF*** ***15B15-100RAF***



Coupled with female and male NPSH thread, rocker lug, aluminum expansion ring couplings

Size	Length	Part #
1½"	50' 100'	***15B15-50RAS*** ***15B15-100RAS***



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Expansion Ring Couplings

Features:

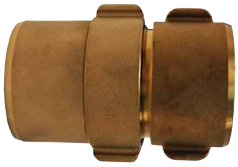
- shipped complete with expansion rings, swivel and tail washers
- aluminum expansion ring couplings have 3 rocker lugs on the male and female



For Single Jacket Hose - Aluminum

Size	Thread	Bowl	*Aluminum* Part #
1"	NPSH	1¼"	***S10125***
1½"	NPSH	1¾"	***S16175***
1½"	NPSH	1-11/16"	***S16168***
1½"	NPSH	1-13/16"	***S16181***
2"	NPSH	2¼"	***S20225***
2½"	NPSH	2-13/16"	***S26281***
1½"	NST (NH)	1-11/16"	***S16168F***
1½"	NST (NH)	1¾"	***S16175F***
1½"	NST (NH)	1-13/16"	***S16181F***
2½"	NST (NH)	2-11/16"	***S26268F***
2½"	NST (NH)	2-13/16"	***S26281F***
1½"	MNPT	1-11/16"	***MS16168T*** [1]
1½"	MNPT	1¾"	***MS16175T*** [1]
2"	MNPT	2-1/4"	***MS20225T*** [1]
2½"	MNPT	2-11/16"	***MS26268T*** [1]

[1] male fitting only



For Single Jacket Hose - Brass

Size	Thread	Bowl	*Brass* Part #
1½"	NPSH	1-3/4"	***RS15175***
1½"	NPSH	1-13/16"	***RS15181***
2½"	NPSH	2-13/16"	***RS25281***
1½"	NST (NH)	1-3/4"	***RS15175F***
1½"	NST (NH)	1-13/16"	***RS15181F***
2½"	NST (NH)	2-13/16"	***RS25281F***

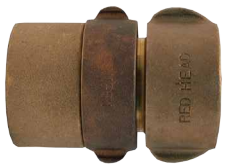
Expansion Ring Couplings



For Double Jacket Hose - Aluminum

Size	Thread	Bowl	*Aluminum* Part #
1½"	NPSH	1-13/16"	***D16181***
1½"	NPSH	1-15/16"	***D16193***
1½"	NPSH	2-1/16"	***D16206***
2"	NPSH	2-5/16"	***D20231***
2½"	NPSH	3"	***D263***
1½"	NST (NH)	1-13/16"	***D16181F***
1½"	NST (NH)	1-15/16"	***D16193F***
1½"	NST (NH)	2-1/16"	***D16206F***
2½"	NST (NH)	2-7/8"	***D26287F***
2½"	NST (NH)	3"	***D263F***
1½"	MNPT	1-13/16"	***MD16181T*** [1]
2"	MNPT	2-5/16"	***MD20231T*** [1]
2½"	MNPT	2-7/8"	***MD26287T*** [1]

[1] male fitting only



For Double Jacket Hose - Brass

Size	Thread	Bowl	*Brass* Part #
1½"	NPSH	1-15/16"	***RD15193***
1½"	NST (NH)	1-15/16"	***RD15193F***

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Expansion Rings

- used with the fire hose couplings listed on page 740

OD	Length	Wall Thickness	*85/15 red brass* Part #
1"	1¼"	.05	***ER10125***
1½"	¾"	.05	***ER1575***
1½"	⅞"	.05	***ER1587***
1½"	1"	.05	***ER1510***
1½"	1¼"	.05	***ER15125***
1¾"	1¼"	.05	***ER17125***
2½"	1¼"	.062	***ER27125***
2½"	1½"	.062	***ER27150***
3"	2"	.07	***ER3020***



Swivel Washers

- used on the swivel end of the fire hose couplings listed on page 740

ID	OD	Thickness	*Buna-N* Part #
1-1/16"	1-7/16"	⅛"	***SW100F***
1-9/16"	2-1/16"	⅛"	***SW150***
2-1/16"	2½"	⅛"	***SW200***
2-9/16"	3-3/16"	3/16"	***SW250***
3-1/16"	3-3/4"	¼	***SW300F***
4-1/16"	5-1/8"	¼"	***SW400F***
4-9/16"	5-7/8"	¼"	***SW450F***
5-1/16"	6-3/8"	¼"	***SW500F***
6-1/16"	7-1/8"	¼"	***SW600F***



Tail Washers

- used on the tail end of the fire hose couplings listed on page 740

ID	OD	Thickness	*Buna-N* Part #
1-1/32"	1-5/16"	3/16"	***STW100***
1-9/16"	1¾"	3/16"	***RTW150***
1-9/16"	1-15/16"	3/16"	***STW150***
1-⅝"	2⅛"	3/16"	***DTW150***
2-9/16"	3"	¼"	***STW250***
2-⅝"	3¼"	¼"	***DTW250***
3⅛"	3-25/32"	¼"	***DTW300***



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Expansion Ring and Gasket Guide

Coupling Part #	Swivel Washer Part #	Tail Washer Part #	Expansion Ring Part #
D15193 & D15193F	***SW150***	***DTW150***	***ER15125***
D15206F	***SW150***	***G12014***	***ER15125***
D16187 & D16187F	***SW150***	***DTW150***	***ER15125***
D16193 & D16193F	***SW150***	***DTW150***	***ER15125***
D16206 & D16206F	***SW150***	***G12014***	***ER15125***
D253 & D253F	***SW250***	***DTW250***	***ER27150***
D26287F	***SW250***	***DTW250***	***ER27150***
D263 & D263F	***SW250***	***DTW250***	***ER27150***
MD16181T	n/a	***STW150***	***ER15125***
MD20231T	n/a	special	special
MD26287T	n/a	***DTW250***	***ER27150***
MS16168T	n/a	***STW150***	***ER15125***
MS16175T	n/a	***STW150***	***ER15125***
MS20225T	n/a	special	special
MS26268T	n/a	***STW250***	***ER27150***
RD15193 & RD15193F	***SW150***	***DTW150***	***ER15125***
RD15206 & RD15206F	***SW150***	***G12014***	***ER15125***
RD253 & RD253F	***SW250***	***DTW250***	***ER27150***
RH15168 & RH15168F	***SW150***	***RTW150***	***ER1575***
RH16168F & RH16168F	***SW150***	***RTW150***	***ER1575***
RS15175 & RS15175F	***SW150***	***STW150***	***ER15125***
RS15181 & RS15181F	***SW150***	***STW150***	***ER1510***
RS25281 & RS25281F	***SW250***	***STW250***	***ER27125***
RS25287	***SW250***	***STW250***	***ER27150***
S15175 & S15175F	***SW150***	***RTW150***	***ER15125***
S15181 & S15181F	***SW150***	***RTW150***	***ER1510***
S16168 & S16168F	***SW150***	***STW150***	***ER15125***
S16175 & S16175F	***SW150***	***STW150***	***ER15125***
S16181 & S16181F	***SW150***	***STW150***	***ER15125***
S25281 & S25281F	***SW250***	***STW250***	***ER27125***
S25287 & S25287F	***SW250***	***STW250***	***ER27150***
S26268 & S26268F	***SW250***	***STW250***	***ER27150***
S26275 & S26275F	***SW250***	***STW250***	***ER27150***
S26281 & S26281F	***SW250***	***STW250***	***ER27150***

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Hose Type Booster Hose Couplings

Features:
- special tooling is required to attach these couplings to hose
- hardcoat finish
- complete set
- working pressure: **800 PSI** at ambient temperature **70°F (21°C)**
- ¾ and 1" NST threads are the same size; also known as **C**hemical **H**ose **T**hread (CHT) or Booster Hose Thread



Hose Size	Thread Type	Bowl Size	*Aluminum Hardcoat* Part #
¾"	1" NPSH	1-1/4"	***ABH08125***
1"	1" NST (NH)	1-7/16"	***ABH10143F***
1"	1" NST (NH)	1-1/2"	***ABH10150F***

Forged Forestry Couplings

Features:
- maximum operating pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- common quarter turn sexless head (a 1½" QT fitting will mate with a ¾" QT or 1" QT)

¼ Turn Male



Thread	*Forged Aluminum* Part #
¾" GHT	***QTM75GHT-F***
1" NPSH	***QTM100S-F***
1" NPT	***QTM100T-F***
1½" NST (NH)	***QTM150F-F***
1½" NPT	***QTM150T-F***

¼ Turn Female



Thread	*Forged Aluminum* Part #
¾" GHT	***QTF75GHT-F***
1" NPSH	***QTF100S-F***
1" NPT	***QTF100T-F***
1½" NST (NH)	***QTF150F-F***
1½" NPT	***QTF150T-F***

Forestry Coupling Gasket



Part #
QTG-F

L

Quick Connect Forestry Expansion Ring Couplings

- sold in sets of (2) with expansion ring

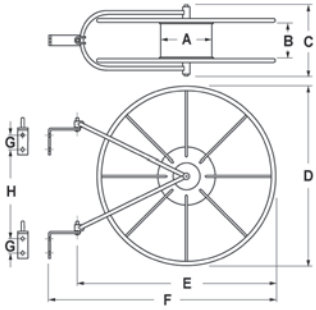


Hose Size	Bowl Size	*Forged Aluminum* Part #
1½"	1-11/16"	***QTX150-F***

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Style V Swing Type Hose Storage Reels





Features:

- drum storage of collapsible hose prevents damaging kinks allowing longer hose life
- pivot mounting permits reel to swing to the proper angle preventing twists and kinks
- open sides allow faster hose drying, to prevent mold and mildew
- red polyester powder coat finish
- wall mounting is standard, 2 wall mounting brackets included
- style V5 (when used with 1½" hose only), has a space between the reel sides to accommodate two widths of hose side by side, for maximum capacity in minimum space
- replacement brackets - ***1212-0930-4***, 2 per set

Size	Hose Capacity			A	B	C	D	E	F	G	H	*Steel* Part #
	Rack	Single	Double									
1½" - 1¾"	100'	75'	50'	8"	3"	7½"	21"	23"	27"	2"	11⅜"	***FHR-V1***
1½" - 1¾"	150'	100'	75'	8"	3"	7½"	26"	29"	33"	2"	15"	***FHR-V2***
1½"	300'	200'	150'	8"	5½"	9½"	26"	30"	34"	2"	13"	***FHR-V5***
2" - 2½"	150'	100'	75'	8"	5½"	9½"	26"	30"	34"	2"	13"	***FHR-V5***

Covers for Style V Swing Type Hose Storage Reels



Features:

- Velcro™ closures
- printed on both sides

Cover for	Dimensions	*Vinyl Coated Nylon* Part #
FHR-V2	26"	***FHR-C***
FHR-V1	21"	***FHR-C1***
FHR-V5	26"	***HSRC26***

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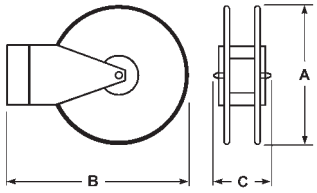
Swing Type Hose Storage Reels

Features:

- one piece wall bracket (14 gauge), for easier mounting
- 180° swing will also take pipe clamps to 3"
- compact size - smaller reel hub to allow more hose storage
- baked red enamel finish
- 14 gauge steel support arms
- welded construction - rim (18 gauge) hub cap, welded spokes form solid wheels, separated by a molded poly hub and bolted together to form a sturdy unit
- hose is double rolled from the center of length coupled to valve and nozzle
- hose is ready for action when completely removed and valve is open



Hose Size	Hose Capacity Lightweight	Hose Capacity Rubber Lined	*Steel* Part #
1½"	150'	50' - 75'	***HSR18***
	250'	100'	***HSR24***
2½"	100'	100'	***HSR25-24***



Dimensions

Cover for	A	B	C
HSR18	18"	23½"	6¼"
HSR24	24"	29"	6¼"
HSR25-24	24"	29"	8¼"

Covers for Swing Type Hose Reels

Features:

- to be used with hose storage reels, bright red fabric reinforced PVC with Velcro™ closures for quick release
- "Fire Hose / Keep Clear" printed on one side



Cover for	Dimensions	*Vinyl* Part #
HSR18	16" - 18"	***HSRC18***
HSR24	24"	***HSRC24***
HSR25-24	24" - 25"	***HSRC25-24***

Heavy Duty, High Capacity Swing Type Hose Storage Reel

Features:

- welded steel wall bracket swings 180°
- wall bracket adapts to pipes (1½" - 3") with an optional pipe bracket kit
- red baked enamel finish
- supplied with hook-and-loop back strap to keep hose securely wound



Size	Hose Capacity Single Jacket	Hose Capacity Double Jacket	*16-gauge steel* Part #
1½"	200'	150'	***DXHDR25HC***
2½"	100'	75'	

Cover for Heavy Duty Swing Type Hose Storage Reel

Features:

- to be used with hose storage reels
- "Fire Hose / Keep Clear" printed on one side



Cover for	Dimensions	*Vinyl* Part #
DXHDR25HC	l: 26", h: 25", w: 8"	***DXHDRC25HC***

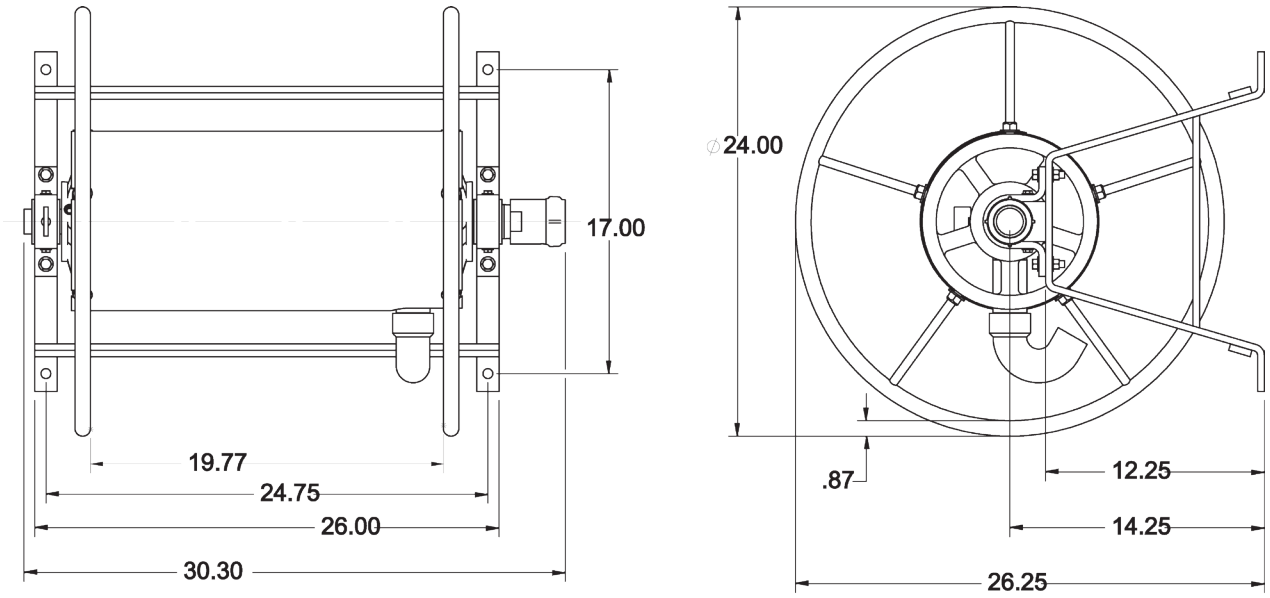
Pipe Brackets for Heavy Duty Swing Type Hose Storage Reel



Description	*Vinyl* Part #
pipe bracket set	***DXHDR25PB***

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Global Continuous Flow Reels





Features:
- greaseless swivel and reel bearings improve performance
- optional adapters (order separately):
  FM15S15F = 1½" FNPSH x 1½" MNST brass
  FM1515F = 1½" FNPT x 1½" MNST brass
- replacement inlet swivel joints at bottom of page

Hose Size and Capacity ¾"	1"	1½"	Inlet Size	Outlet Size	*Steel* Part #
250'	150'	100'	1½" NPT	1½" NPT	***FD47IR-150-100***

Cover for Global Continuous Flow Hose Reel



Cover for	Dimensions	*Vinyl* Part #
FD47IR-150-100	22" x 24" x 24"	***FD47-C2***

L

Replacement Inlet Swivel Joint for FD47I-150-100



Features:
- ball-bearing swivel
- requires no lubrication
- **200 PSI**

Size	*Cast Brass* Part #
1½"	***CSSF150T***

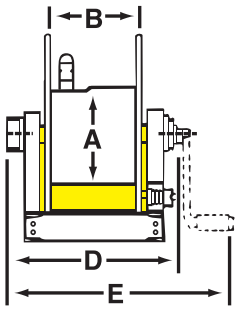
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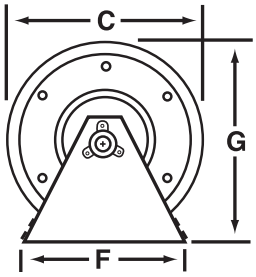
Continuous Flow Reels

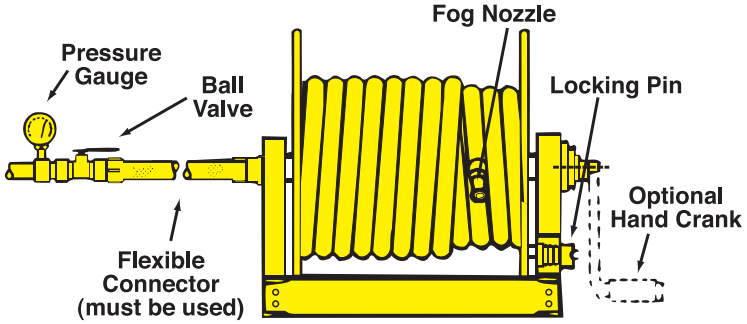
Features:

- allows immediate and continuous flow of water at all times during deployment of hose
- one-person operation
- use with non-collapsible hose shown on page 749
- powder coated with an electrostatically-applied, thermally-fused, red polyester finish steel drum
- rims and universal mounting stand
- female NPT inlet with male NST (NH) hose thread outlet

A flexible connector assembly must be installed directly between the hose reel inlet hub and the water supply. *Failure to use the flexible connector assembly will void the warranty.*







Hose Size and Capacity ¾"	1"	1½"	A	B	C	D	E	F	G	Inlet Size	Outlet Size	*Steel* Part #
150'	125'	---	10½"	11½"	24"	19¼"	24"	21¾"	26"	1"	1"	***CFR47-1-100***
250'	150'	100'	10½"	20½"	24"	28¼"	33"	21¾"	26"	1½"	1½"	***CFR47-150-100***
400'	300'	150'	10½"	28"	24"	35¾"	40½"	21¾"	26"	1½"	1½"	***CFR47-1-200***
---	---	200'	10½"	34"	24"	41¾"	46½"	21¾"	26"	1½"	1½"	***CFR47-150-200***

Optional Accessories

Description	Part #
1" x 18" flexible connector (male NPT x male NPT)	***DX2836***
1½" x 18" flexible connector (male NPT x male NPT)	***DX2839***
hand crank	***CFR-HC***
repair kit: contains O-ring, PTFE retaining ring for the inlet casting, spacer washer, and 2 steel retaining rings for the manifold	***CFR-RK***

Covers for Continuous Flow Hose Reels

Cover for	Dimensions H x W x D	*Vinyl* Part #
CFR47-1-100	26" x 20" x 26"	***CFR47-C1***
CFR47-1-200	26" x 36" x 26"	***CFR47-C2***
CFR47-150-100	26" x 29" x 26"	***CFR47-C3***
CFR47-150-200	26" x 42" x 26"	***CFR47-C4***



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Hump Racks



Features:

- compact, neat and economical method of storing collapsible hose
- pivot mounting permits rack to swing, preventing kinks and twists
- rugged steel construction provides long, dependable service
- red enamel finish for protection
- open sides allow faster drying to prevent mold and mildew
- wall mounting brackets are standard

Hose Size	Hose Capacity			*Steel* Part #
	Synthetic	Single Jacket	Double Jacket	
1½" - 1¾"	100'	50'	---	***FHHR-1***
1½" - 1¾"	150'	100'	50'	***FHHR-3***
2" - 2½"	100'	50'	---	***FHHR-2***
2" - 2½"	150'	100'	50'	***FHHR-4***
1½" - 1¾"	200'	150'	100'	***FHHR-5***

Covers for Hump Racks



Cover for	Dimensions	*Vinyl* Part #
FHHR-1 or FHHR-2	16" x 25½" x 6"	***FHHR-C***
FHHR-3 or FHHR-4	24" x 29½" x 6"	***FHHR-C4***
FHHR-5	33½" x 35½" x 6"	***FHHR-C5***

Hose Racks



Features:

- can be used for fire or water hose
- constructed from 12 gauge sheet steel
- provides compact and economical hose storage
- curved saddle design avoids sharp bends in the hose prolonging hose life
- red enamel finish

Hose Size	Hose Capacity			*Steel* Part #
	Rack	Single Jacket	Double Jacket	
1½" - 1¾"	50'	---	---	***HR1610-3***
1½" - 1¾"	100'	---	---	***HR1610-6***
1½" - 2½"	200'	150'	100'	***HR1610***
2" - 2½"	50'	---	---	***HR1610-4***

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Pin Rack Hose Assembly

Features:
- components include: rack nipple, UL **300 PSI** angle valve, semi-automatic fire hose pin rack, brass rack nozzle, and a length of 1½" pin rack hose
- UL listed and Factory Mutual approved
- per NFPA 1962, Chap. 4, in-service hose shall be un-racked and physically inspected at least annually



NST (NH) Thread	Hose	Part #
1½"	50'	***FHPR150-50CBF***
	75'	***FHPR150-75CBF***
	100'	***FHPR150-100CBF***

Semi Automatic Fire Hose Pin Racks

Features:
- red enameled steel
- holds up to 100' of either 1½" or 2½" rack hose
- 1½" is UL listed and Factory Mutual approved



Hose Size	For use with: Valve	For use with: Nipple	*Steel* Part #
1½"	AVF150	PRN150F	***FHPR150***
2½"	AVF250	PRN250F	***FHPR2515***

Covers for Pin Racks

Features:
- 10 oz. red vinyl with Velcro™ closures
- used on FHPR150, FHPR150-50CBF, FHPR150-75CBF, FHPR150-100CBF



Size	*Vinyl* Part #
25" x 30" x 6"	***PRC***

Pin Rack Nipples

Feature:
- finish: -C polished chrome plated



Male NPT	Male NST (NH)	*Brass* Part #
1½"	1½"	***PRN150F***
2½"	2½"	***PRN250F***

Pin Rack Wall Bracket

Application:
- used to support hose rack independent of a stand pipe valve



Aluminum Part #
PRWB

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FM

Steel Hose Cabinet



Features:
- red polyester coated finish on 18-gauge steel
- designed for wall installation, with or without legs, or free standing
- supplied with holes in the back for wall mounting and 1" pipe couplings on the bottom for adding legs
- Factory Mutual approved
- hose, accessories and mounting hardware not included
- furnished without legs, if legs required contact Dixon®

Steel Part #
HC30143

Dimensions

width	depth	height
60"	15"	48"

Basic Approved Equipment for Hose Cabinet

Examples			Quantity Required		
Part #	Description	Page #	Factory Mutual	UL & FIA	ISO
A525-50RAF [1]	2½" x 50' single jacket hose	733	4	5	5
A515-50RAF [1]	1½" x 50' single jacket hose	733	2	0	0
UPP250F [1]	Underwriters play pipe	750	0	2	2
BFN250NST [1]	2½" adjustable fog nozzle	752	2	0	0
BFN150NST [1]	1½" adjustable fog nozzle	752	1	0	0
HA2515F [1]	2½" x 1½" pin lug adapter	771	1	0	0
233	universal spanner	799	4	5	5
189	adjustable hydrant wrench	800	2	2	2
PHFA6	6 lb. fire axe	820	0	1	1
FCB48	crowbar	---	0	1	1
SW150 [1]	1½" hose coupling gasket	741, 742, 754, 785	4	5	5
SW250 [1]	2½" hose coupling gasket	741, 742, 754, 785, 792	2	0	0

[1] threads must be appropriate to the authority having jurisdiction

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Fire Jacket for Hose

Application:
- used to protect hose and hose assemblies, tubing, piping, wiring and cables from high temperatures, direct flame or molten splash

Features:
- helps maintain line temperature and reduce environmental overheating and overcooling
- meets flammability requirements of UL 94 HB & UL 94 V-0
- sleeving slides easily over hose and expands to go over fittings
- resistant to hydraulic fluids and lubricating oil
- iron oxide red color
- compounded silicone rubber coating over fiberglass
- completely non-asbestos, REACH - ROHS compliant
- supplied in 50' lengths
- temperature range: **-65°F** to **500°F (-54°C** to **260°C)**
- Made in USA



Nominal ID	Part #
¼"	***0610-4***
⅜"	***1010-6***
½"	***1310-8***
⅝"	***1610-10***
¾"	***1910-12***
⅞"	***2210-14***
1"	***2510-16***
1¼"	***3210-20***
1½"	***3810-24***
1¾"	***4510-28***
2"	***5110-32***
2½"	***6410-40***
3"	***7610-48***
4"	***10210-64***

Fire Jacket Tape

Application:
- used to seal the ends of fire jackets to prevent fraying and fluid wicking

Features:
- completely non-asbestos
- iron oxide red color
- temperature range: **-45°F** to **380°F (-45°C** to **200°C)**
- Made in USA



Size	Length	*Silicone Rubber* Part #
1"	12 yards	***FTH100***

Non Adhesive Fire Tape

Features:
- fiberglass coated silicone rubber
- fluid resistant to hydraulic fluids and lubricating oils
- should be installed in a spiral wrap utlizing 30% to 50% overlap
- iron oxide red color
- temperature range: **-65°F** to **500°F (-54°C** to **260°C)**
- Made in USA



Width	Length	*Fiberglass Coated Silicone Rubber* Part #
3"	50'	***4055-3***

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Industrial Fog Nozzles



Features:
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- UL listed and Factory Mutual approved for class A and B fires (except noted [1, 2])
- supplied with bumper

Size	Thread	90° Spray GPM @ 100 PSI	*Brass* Part #
¾"	GHT	---	***BFN75GHT*** [1]
¾"	NPSH	---	***BFN75***
1"	NPSH	**32**	***BFN100***
1½"	NPSH	**85**	***BFN150***
2"	NPSH	**108**	***BFN200*** [1, 2]
1"	NST (NH)	**32**	***BFN100NST***
1½"	NST (NH)	**85**	***BFN150NST***
2½"	NST (NH)	**205**	***BFN250NST*** [2]

[1] not UL Listed
[2] not Factory Mutual approved

- replacement washers can be found on page 741

Heavy Duty Industrial Fog Nozzles



Features:
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- UL listed and Factory Mutual approved
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- supplied with bumper

Size	Thread	90° Spray GPM @ 100 PSI	*Brass* Part #
1"	NPSH	---	***HFN100***
1½"	NPSH	**88 (+/-12)**	***HFN150***
1"	NST (NH)	---	***HFN100NST***
1½"	NST (NH)	**88 (+/-12)**	***HFN150NST***
1½"	NYFD	---	***HFN150NYFD***

- replacement washers can be found on page 741, flow rate chart on following page 753

High Pressure Industrial Fog Nozzles



Features:
- working pressure: **25** to **300 PSI** (water only) at **70°F (21°C)**
- combination straight stream and fog - shut-off - straight stream - fog
- Factory Mutual approved
- large one-piece rubber bumper with molded teeth
- knurled base

Size	Thread	90° Spray GPM @ 100 PSI	*Brass* Part #
1½"	NPSH	**117**	***HPFN150***
	NST (NH)	**117**	***HPFN150NST***

- replacement washers can be found on page 741, flow rate chart on following page 753

Electrical Fire All-Fog Nozzles



Features:
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shutoff to 30° fog, adjustable to 90° fog
- UL listed and Factory Mutual approved for class C fires
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- supplied with bumper
- Use of this nozzle is not likely to prove hazardous when nozzle is held in excess of 10 feet from electrical apparatus and circuits not involving more than 250,000 volts.

Size	Thread	Wide Open GPM @ 100 PSI	*Brass* Part #
1½"	NST (NH)	**96**	***BFNE150NST***
	NPSH	**96**	***BFNE150***

- replacement washers can be found on page 741, flow rate chart on following page 753

LIBERTY EXHIBIT 1012, Page 754
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Fog Nozzles

Features:
- shutoff - straight stream - fog
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- brass stem

Size	Thread	90° Spray GPM @ 100 PSI	*Polycarbonate* [1] Part #	*Polycarbonate* [2] Part #
¾"	GHT	**8.0**	***FNB75GHT*** [3, 4]	**---**
¾"	NPS	**30.9**	***FNB75S*** [4]	**---**
1"	NPS	**11.4**	***FNB100S*** [4]	***FN100S***
1"	NPS	**30.9**	***HGB100S***	**---**
1½"	NPS	**83.6**	***FNB150S***	***FN150S***
1"	NST (NH)	**11.4**	***FNB100NST***	***FN100NST***
1"	NST (NH)	**30.9**	***HGB100NST***	**---**
1½"	NST (NH)	**83.6**	***FNB150NST***	***FN150NST***

[1] with bumper
[2] without bumper
[3] standard flow
[4] 120° spray GPM @100 PSI
- replacement washers can be found on page 741


with bumper


without bumper

Fog Nozzle Flow Rate Chart

Part Number	Inlet Pressure PSI	Inlet Pressure kPa	Straight Stream GPM	Straight Stream LPM	30° GPM	30° LPM	60° GPM	60° LPM	90° GPM	90° LPM
	50	(345)	18	(68)	21	(79)	24	(91)	27	(102)
BFN100	**75**	(517)	22	(83)	25	(95)	28	(106)	32	(121)
	100	(690)	24	(91)	28	(106)	32	(121)	36	(136)
	50	(345)	90	(341)	120	(454)	130	(492)	145	(549)
BFN250	**75**	(517)	100	(379)	140	(530)	150	(568)	180	(681)
	100	(690)	110	(416)	165	(625)	180	(681)	205	(776)
HFN100	**100**	(690)	25	(95)	---	---	---	---	---	---
HFN150	**100**	(690)	---	---	---	---	---	---	86	(326)
HPFN150	**275**	(1040)	---	---	---	---	---	---	130	(492)

Domestic Rack Nozzles

Features:
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- UL listed and Factory Mutual approved for class A and B fires
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- supplied without bumper

Size	Thread	Wide Open GPM @ 100 PSI	*Brass* Part #
1½"	NST (NH)	**100**	***BRN150NST***
	NPSH	**100**	***BRN150***

- replacement washers can be found on page 741



Global Rack Nozzles

Features:
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- UL listed and Factory Mutual approved for class A and B fires
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- supplied without bumper

Size	Thread	Wide Open GPM @ 100 PSI	*Brass* Part #
1½"	NST (NH)	**100**	***BRN150NST-I***
	NPSH	**100**	***BRN150S-I***

- replacement washers can be found on page 741



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Ball Shut-Offs



Features:
- full time swivel base ensures durable rubber-like handle can be positioned for easy operation
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Thread	Length	Waterway	*Cast Brass* Part #
1½" NST (NH)	4¾"	1⅜"	***BSO150NST***
1½" NPSH	4¾"	1⅜"	***BSO150S***

Replacement Part



Description	*Composite* Part #
replacement handle	***BSO150-H***

Nozzle Tips



Features:
- straight stream only
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- **74 GPM @ 100 PSI**

Thread	Length	Orifice	*Satin Brass* Part #
1" NST (NH)	4¾"	½"	***BNT100F***
1" NPSH	4¾"	½"	***BNT100S***
1½" NST (NH)	4⅜"	½"	***BNT150F***
1½" NPSH	4⅜"	½"	***BNT150S***

Plain Hose Nozzles



Features:
- finish: satin
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Size	Thread	Overall Length	Orifice	Replacement Gasket	Previous Part #	*Brass* Part #
¾"	GHT	6"	1/4"	***KRW5***	500SN6	***BN6***
¾"	NPSH	6"	1/4"	***KRW5***	---	***BN7***
1"	NPSH	8"	5/16"	***KRW10***	---	***BN10***
1¼"	NPSH	10"	3/8"	***KRW15***	---	***BN12***
1½"	NPSH	10"	1/2"	***KRW20***	---	***BN15***
2"	NPSH	12"	9/16"	***SW200***	---	***BN20***
2½"	NPSH	12"	1"	***KRW35***	---	***BN25***
1"	NST (NH)	8"	5/16"	***SW100F***	---	***BN10F***
1½"	NST (NH)	10"	1/2"	***SW150***	---	***BN15F***
2½"	NST (NH)	12"	1"	***SW250***	---	***BN25F***
1½"	NYFD	10"	1/2"	***SW150***	---	***BN15NYFD***
2½"	NYFD	12"	1"	***SW250***	---	***BN25NYFD***

Twist Nozzles



Feature:
- maximum operating pressure **150 PSI** (water only)

Thread Size	Length	*Extruded Brass* Previous Part #	Part #
¾" GHT	4"	---	***BTN75***
	4"	---	***500AN4*** [1]
	6¾"	500-AN7	***500AN7*** [1]

[1] imported

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Red Plain Hose Nozzles

Feature:
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Size	Thread	Length	Orifice	*Polycarbonate* Part #
1½"	NPSH	10"	½"	***PN15***
	NST (NH)	10"	½"	***PN15F***



UL Play Pipes with Tip

Application:
- often required in hydrant houses by Insurance Underwriters

Features:
- swivel handle, red marlin trim
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- UL listed and Factory Mutual approved
- ULT male thread specification: 2-3/16" ODM x 12 TPI
- comes standard with 1⅛" orifice tip

Size	Female Thread	Male Thread	Overall Length	*Brass* Part #
2½"	NST (NH)	ULT	30"	***UPP250F***
playpipe only				***UPP250F-SPEC***



Tips

Features:
- finish: satin
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- ULT male thread specification: 2-3/16" ODM x 12 TPI

Orifice	*Cast Brass* Part #
1⅛"	***UPPT***
1¼"	***UPPT125***
1½"	***UPPT150***
1¾"	***UPPT175***



Street Cleaning Nozzles

Feature:
- welded fabrication

Size	Connection	*Aluminum* Part #
2"	female cam	***200DBAL***
3"	female cam	***300DBAL***



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U.S. Coast Guard Approved AFFF / Water Fog Nozzles



CGSN150F

Application:
- designed for maximum efficiency with AFFF (Aqueous Film Forming Foams) or water on shipboard, offshore rigs and industrial applications

Features:
- corrosion resistant brass construction
- rubber-like bumper and handle for added protection
- Zytel (nylon) horseshoe handle
- double row of molded teeth for excellent fog pattern
- flush without shutting down
- constant gallonage in all fog and straight stream patterns
- combination fog and straight stream
- maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**



CGSN151F

Thread NST (NH)	Description	Fog Flow GPM @100 PSI	Approval #	*Brass* Part #
1½"	nozzle	**95**	162.027/13/0	***CGSN150F***
	nozzle w/pistol grip	**95**	162.027/14/0	***CGSN151F***

- Gaskets are special order, please call 877.712.6179 for assistance.

Thread NPSH	Description	Fog Flow GPM @100 PSI	*Brass* Part #
1½"	nozzle	**95**	***CGSN150S***
	nozzle w/pistol grip	**95**	***CGSN151S***

U.S. Coast Guard Approved Fog Nozzles

Application:
- designed to US Coast Guard specifications for fighting fires with drafted water, required equipment for all commercial vessels under US registry



Features:
- maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**
- corrosion resistant brass construction
- combination fog and straight stream for shipboard fire fighting
- applicator tips are available, consult Dixon® for pricing and availability

Thread	Fog Flow GPM @100 PSI	*Cast Brass* Part #
1½" NST	55	***CGN150NST***
2½" NST	108	***CGN250NST***

- Gaskets and tips are special order, please call 877.712.6179 for assistance.

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Omega™ Monitor

FM

Features:
- cast-in turning vanes for a more efficient flow
- 360° horizontal and 150° vertical travel
- friction loss: **10 PSI** at **800 GPM** (.7 bar at 3030 LPM)
- 4 bolt hole pattern on flange
- Factory Mutual approved



Size	Inlet	Outlet	Waterway	Flow	*Brass* Part #
17" x 11½"	3" flange	2½" MNST	3"	1250 GPM	***AK3526-300FL***

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Monitor Nozzle

Features:
- fixed teeth
- combination Straight, Stream and Fog - no shutoff
- fixed gallonage master stream nozzle
- factory set at **500 GPM** (1900 lpm) field changeable to **300** or **700 GPM** (1140 or 2660 LPM)
- maximum operating pressure: **100 PSI** (water only)



Size	Thread	90° Spray GPM @ 100 PSI	*Brass* Part #
2½"	NST (NH)	500	***AK4450NST***

- Gaskets are special order, please call 877.712.6179 for assistance.

FirePro™ Monitor

FM

Features:
- seamless 2½" monitor - rated at 750 GPM
- carbon steel construction, stainless steel discharge tip and ball bearings
- 360° horizontal and 140° vertical travel
- red epoxy finish standard
- 150# ASA raised face 4" flange
- Factory Mutual approved



Size	Inlet	Outlet	Waterway	Flow GPM	*Carbon Steel* Part #
22" x 13"	4" flange	2½" MNST	2½"	**750**	***FP475S***

- Gaskets are special order, please call 877.712.6179 for assistance.
- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Master Stream Nozzles

Features:
- factory set at **500 GPM**
- featuring a straight stream to fog 'quick throw' pattern change
- constant gallonage



Size	Thread	Material	Part #
2½"	NST (NH) NST (NH)	*brass* *aluminum*	***FP500B*** [1] ***FP500A***

[1] Factory Mutual approved FM

- Gaskets are special order, please call 877.712.6179 for assistance.

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Factory Mutual Approved Fog Nozzles


with bumper


without bumper

Features:
- brass stem with locking nut
- shutoff-straight-stream-fog
- wings on sleeve for ease of adjustment
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- Factory Mutual approved

Size	Thread	90° Spray GPM @ 100 PSI	*Polycarbonate* [1] Part #	*Polycarbonate* [2] Global Part #
¾"	GHT	**30.9**	***SL075GHT*** [3]	**---**
¾"	NPSH	**30.9**	***SL075*** [3]	**---**
1"	NPSH	**30.9**	***SL100*** [3]	***PFNB100S***
1½"	NPSH	**75.0**	***SL150***	***PFNB150S***
1"	NST (NH)	**30.9**	***SL100NST***	**---**
1½"	NST (NH)	**75.0**	***SL150NST***	***PFNB150NST***

[1] with bumper
[2] without bumper
[3] 120° spray on ¾" and 1"

Polycarbonate Electrical Fire All-Fog Nozzles



Features:
- opens and closes in a 30° fog pattern up to 120°- no straight stream
- maximum operating pressure: **100 PSI** (water only) at **70˚F (21˚C)**
- brass stem

Size	Thread	75° Spray GPM @ 100 PSI	*Polycarbonate* Part #
1½"	NPS	**92**	***FNBE150S***
	NST (NH)	**92**	***FNBE150NST***

Fog Nozzles Gaskets



Size	Thread	ID	OD	Thickness	*Buna-N* Part #
1"	NPSH	0.937"	1.234"	0.125"	***FNG100S***
1"	NPSH	1.000"	1.375"	0.125"	***HGG100S***
1½"	NPSH	1.500"	1.827"	0.125"	***FNG150S***
1"	NST (NH)	0.937"	1.281"	0.125"	***FNG100NST***
1"	NST (NH)	1.000"	1.375"	0.125"	***HGG100NST***
1½"	NST (NH)	1.510"	1.906"	0.125"	***FNG150NST***

- dimensions are nominal

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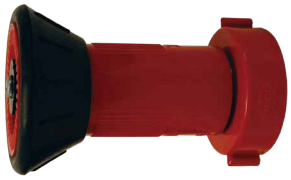
Constant Flow Fog Nozzles

Features:
- red polycarbonate with bumper and black plastic and steel stem
- provides consistent volume at any spray angle
- adjusts from straight stream to fog
- 1" and 1½" are ULC listed
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Size	Thread	90° Spray GPM @ 100 PSI	*Polycarbonate* Part #
¾"	GHT	**8**	***CFB75GHT***
1"	NPSH	**22**	***CFB100S***
1½"	NPSH	**75**	***CFB150S*** [1]
1½"	NPSH	**150**	***HGCFB150S*** [2]
2"	NPSH	**75**	***CFB2015S*** [1]
2"	NPSH	**150**	***CFB200S*** [2]
1"	NST (NH)	**22**	***CFB100NST***
1½"	NST (NH)	**75**	***CFB150NST*** [1]
1½"	NST (NH)	**150**	***HGCFB150NST*** [2]
2½"	NST (NH)	**150**	***CFB250NST*** [3]
2½"	NST (NH)	**215**	***HGCFB250NST*** [2, 4]

[1] standard flow
[2] high flow
[3] provided with handles


2½" nozzle with handles


2½" nozzle without handles


1½" nozzle

- gaskets located below
- NYF – New York Fire Dept. Thread 1½" (2.100 ODM X 8 TPI) — 2½" (3.030 ODM X 8 TPI)
- CF – Chicago Fire Dept. Thread 1½" (1.933 ODM X 11.5 TPI) — 2½" (2.990 ODM X 7.5 TPI)
- NYC – New York Corporation Thread 1½" (2.093 ODM X 11 TPI) — 2½" (3.000 ODM X 8 TPI)
- Also available CSA, BAT, NSS

Blue Refinery Fog Nozzles

Features:
- blue polycarbonate with bumper and black plastic and steel stem
- glass-filled
- provides consistent volume at any spray angle
- adjusts from Straight Stream to Fog
- resistant to petrochemicals
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**



Size	Thread	90° Spray GPM @ 100 PSI	*Polycarbonate* Part #
1½"	NPSH	**75**	***RNB150S***
	NST (NH)	**75**	***RNB150NST***

Gaskets

Application:
- used on constant flow and refinery fog nozzles

Size	Thread	ID	OD	Thickness	*Buna-N* Part #
1"	NPSH	0.900"	1.270"	0.125"	***CFG100S***
1½"	NPSH	1.510"	1.878"	0.125"	***CFG150S***
2"	NPSH	1.680"	2.340"	0.156"	***CFG200S***
1"	NST (NH)	0.900"	1.270"	0.125"	***CFG100NST***
1½"	NST (NH)	1.510"	1.906"	0.125"	***CFG150NST***
2½"	NST (NH)	2.250"	3.000"	0.187"	***CFG250NST***

- dimensions are nominal



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TriFlow Fog Nozzles



Features:
- corrosion resistant plated aluminum
- combination 170° fog and straight stream
- Venturi flow improves straight stream and gallonage
- no nozzle teeth eliminates fingers and voids in the spray pattern thus producing a dense fog

Size	Thread	GPM @ 100 PSI Straight Stream	*6061 T-6 Aluminum* Part #
1½"	NST	**60-100-140**	***TFN150NST-140***
	NPSH	**60-100-140**	***TFN150-140***
1½"	NST	**75-150-200**	***TFN150NST-200***
	NPSH	**75-150-200**	***TFN150-200***

Econo Fog Nozzles



Features:
- rugged, lightweight, corrosion resistant
- supplied without bumper
- for cabinet use, discourages theft
- for use up to 100 PSI (water only)

Size	Thread	Straight Stream @ 100 PSI	*6061-T6 Aluminum* Part #
1"	NPSH	56	***AFN100***
1"	NST	56	***AFN100NST***
1½"	NPSH	56	***AFN150***
1½"	NST	56	***AFN150NST***

Heavy Duty Constant Flow Fog Nozzles



Size	Thread	Length	GPM @ 100 PSI	*Fiberglass Reinforced Composite* Part #
1½"	NPSH	5"	**95**	***CFFR150***
	NST (NH)	5"	**95**	***CFFR150NST***

Garden Hose Nozzles



GHN75



GHN75-B

Features:
- offers two straight streams and one fog pattern [1]
- massive bumper specially formulated to resist damage and aging
- corrosion resistant hard coat

Size	Thread	GPM @ 40 PSI Straight Stream 1st	2nd	*6061-T6 Aluminum* Part #
¾"	GHT - without bumper	**1-2**	**3-4**	***GHN75***
	GHT - with bumper	**1-2**	**3-4**	***GHN75-B***

[1] fog pattern is **4-5 GPM** @ **40 PSI**

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Break Apart Attack Nozzles

Application:
- low-cost, versatile, and easy-to-use nozzle for first responders in rural and suburban fire departments

Features:
- minimal training required to connect and operate the nozzle
- nozzle uses a 1½" coupler, provides **20-90 GPM** fog or straight stream flows at **100 PSI**
- nozzle can be separated from the shut off valve for extended hose lays and other uses
- meets or exceeds USDA Forestry Service standards



Size	Thread	*Aluminum* Part #
1"	NPSH NST (NH)	***ABN100S*** ***ABN100F***
1½"	NPSH NST (NH)	***ABN150S*** ***ABN150F***

Ball Shut-Off Nozzles - Bolted Style

Features:
- rugged and lightweight
- pistol grip
- hardcoated female swivel inlet and male outlet
- maximum operating pressure: **200 PSI** (water only) at **70°F (21°C)**



Size	Thread	Waterway	*Cast Aluminum* Part #
1½"	NST (NH) NPSH	1⅜" 1⅜"	***ACPSO150F*** ***ACPSO150***

Pistol Grip Adapters

Features:
- converts any standard fog nozzle to a well-balanced, easy to hold pistol grip fog nozzle making the job of holding high pressure lines easier
- full-time ball bearing swivel base
- corrosion resistant
- hardcoated per MIL-A-8625-F TYPE 111, (Polylube 1)



Size	Thread	*6061 T-6 Aluminum* Part #
1"	NST	***PGA100NST***
1½"	NST NPSH	***PGA150NST*** ***PGA150NPSH***
2½"	NST	***PGA250NST***

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Single Gallonage Shut-off Nozzles



Features:
- PTFE hard-coated for greater corrosion resistance and durability
- lightweight and easily maneuvered
- full-time ball bearing swivel base
- metal ball with non-stick Delrin® seats
- 1-1/16" waterway

Size	Thread	Constant GPM @ 100 PSI	*Aluminum* Part #
1"	NST	**95**	***BVSO100NST***
	NPSH	**95**	***BVSO100***
1½"	NST	**95**	***BVSO150NST***
	NPSH	**95**	***BVSO150***
	NST	**125**	***BVSO150NST-125***
	NPSH	**125**	***BVSO150-125***

Dual Gallonage Shut-off Nozzles



Features:
- PTFE hard-coated for greater corrosion resistance and durability
- lightweight and easily maneuvered
- full-time ball bearing swivel base
- metal ball with non-stick Delrin® seats
- 1-1/16" waterway

Size	Thread	Constant GPM @ 100 PSI	*Aluminum* Part #
1"	NST	**25 - 70**	***BVDSO100NST***
	NPSH	**25 - 70**	***BVDSO100***
1½"	NST	**25 - 70**	***BVDSO150NST***
	NPSH	**25 - 70**	***BVDSO150***

Adjustable Tri-Flo Selectable Gallonage Nozzles



Features:
- corrosion resistant plated with Neoprene bumper
- full-time ball bearing swivel base
- dense fog delivery with no voids or fingers in pattern
- metal ball with non-stick Delrin® seats

Size	Thread	Constant GPM @ 100 PSI	*Aluminum* Part #
1½"	NST	**60 - 100 - 140**	***BVTSO150NST***
	NPSH	**60 - 100 - 140**	***BVTSO150***
	NST	**75 - 150 - 200**	***BVTSO150NST-200***
	NPSH	**75 - 150 - 200**	***BVTSO150-200***
2½"	NST	**100 - 200 - 300**	***BVTSO250NST***

Global Forestry Fog Nozzles



Size	Thread	GPM @ 100 PSI Straight Stream 1st	2nd	*Anodized Aluminum* Part #
1½"	NPSH	**23.8**	**73.9**	***GFN150***
	NST (NH)	**37.6**	**95.0**	***GFN150NST***

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Forestry Fog Nozzles

Features:
- maroon hard-coated barrel allows for easy identification
- corrosion resistant plated
- dual flow rate nozzles offer two straight stream and two fog patterns
- combination fog and straight stream
- maximum operating pressure: **600 PSI** (water only) at **70°F (21°C)**

Size	Thread	GPM @ 100 PSI Straight Stream 1st	GPM @ 100 PSI Straight Stream 2nd	*6061-T6 Aluminum* Part #
¾"	GHT	**1-2**	**3-4** [1]	***FFN75GHT*** [1]
1"	NPSH	**12**	**25**	***FFN100*** [2, 4]
1½"	NPSH	**25**	**70**	***FFN150***
1"	NST (NH)	**12**	**25**	***FFN100NST***
1½"	NST (NH)	**25**	**70**	***FFN150NST*** [3, 4]

[1] GPM @ 40 PSI
[2] FFN100 meets USFS 5100-239A and NSN 4210-01-165-6603
[3] FFN150NST meets USFS 5100-107A and NSN 4210-01-167-1123
[4] both nozzles conform to Forestry Service specification 5100-239C and 5100-107a



FFN75GHT


FFN100

Forestry Grade Ball Shut-Off Nozzles

Features:
- NFPA1964 compliant
- hardcoated threads, acetal ball and rigid inlet
- maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- FSS specification 5100-238

Size	Thread	Waterway	*Anodized Aluminum* Part #
1"	NPSH	¾"	***FBSO100S***
1½"	NPSH	1"	***FBSO150S***
1"	NST (NH)	¾"	***FBSO100F***
1½"	NST (NH)	1"	***FBSO150F***



Forestry Grade Ball Shut-Off Pistol Grip

Features:
- NFPA1964 compliant
- hardcoated threads, acetal ball and full time live swivel inlet
- maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- FSS specification 5100-238

Size	Thread	Waterway	*Anodized Aluminum* Part #
1"	NPSH	¾"	***FBSO100S-PG***
1½"	NPSH	1"	***FBSO150S-PG***
1"	NST (NH)	¾"	***FBSO100F-PG***
1½"	NST (NH)	1"	***FBSO150F-PG***



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Ball Shut-Off Nozzles Tips

Features:
- lightweight
- maximum operating pressure: **200 PSI** *(water only)* at ambient temperature **70°F (21°C)**
- ½" orifice standard, other sizes available, contact Dixon®

Size	Thread	Length	Orifice	*Anodized Aluminum* Part #
1"	NPSH	4"	½"	***ANT100***
1½"	NPSH	4¾"	½"	***ANT150***
1"	NST (NH)	4"	½"	***ANT100F***
1½"	NST (NH)	4¾"	½"	***ANT150F***

- Gaskets are special order, please call 877.712.6179 for assistance.


NPSH


NST

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Penetrator Nozzles



Features:
- designed with standard 1½" NPSH male hose threads that are converted to female thread for connection to the hose using a double female rigid connector
- ¼" discharge orifice generates a high velocity water jet that is effective against deep seated wildland fires
- maximum operating pressure: **200 PSI** (water only) at ambient temperature **70°F (21°C)**

Size	Thread	Length	Orifice	*Polycarbonate* Part #
1½"	NPSH NST (NH)	5½" 5½"	¼" ¼"	***PFN4005S*** ***PFN4005F***

Twin Tip Straight Stream Forestry Nozzles



Features:
- molded high strength red polycarbonate
- solid, one-piece reversible twin tip has ¼" and ⅜" orifices
- maximum operating pressure: **100 PSI** *(water only)* at ambient temperature **70°F (21°C)**

Size	Thread	Length with tip	Length without tip	Orifice of base nozzle	*Polycarbonate* Part #
1½"	NPSH NST (NH)	9" 9"	7½" 7½"	½" ½"	***PTTF150S*** ***PTTF150F***

Ball Shut-Off with Nozzle



FNPSO150F-30

FNPSO150S-30

Features:
- flexible design allows nozzle tip to be detached so a mating foam inductor can be inserted between the tip and shut-off valve
- lightweight
- black pistol grip shutoff with nozzle
- maximum operating pressure: **150 PSI** (water / AFFF only) at **70°F (21°C)**

Size	Body Color	Thread	GPM	*Polycarbonate* Part #
1½"	red orange	NPSH NST (NH)	30 30	***FNPSO150S-30*** ***FNPSO150F-30***
1½"	red orange	NPSH NST (NH)	70 70	***FNPSO150S-70*** ***FNPSO150F-70***

Ball Shut-Off Pistol Grips



Features:
- lightweight
- maximum operating pressure: **150 PSI** (water or AFFF only) at ambient temperature **70°F (21°C)**

Size	Thread	*Polycarbonate* Part #
1½"	NPSH NST (NH)	***PPSO150S*** ***PPSO150F***

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Adjust-A-Power Nozzle

Features:
- ideal for patio, auto and boat, driveway and garden
- produces 50% more power than twist nozzles
- does not require a washer
- leave nozzle in the open position when not in use
- brass construction with stainless steel bearings
- maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

Thread Size	*Brass* Part #
¾" GHT	***AAPN75GHT***



Constant Flow Nozzle Displays

Features:
- shatterproof and UV resistant polycarbonate withstands tough environmental conditions
- seals used for true water shut off
- easy twist spray pattern adjustment
- sold in case quantity only (25 per case), with display

Thread	45° Spray GPM @ 100 PSI	Color	Global Part #
¾" GHT	25.1	green	***FNB75GHT-GD***
	25.1	clear	***CNB75GHT-GD***



FNB75GHT-GD

CNB75GHT-GD

Constant Flow Nozzles with Bumper

Feature:
- can be used as a replacement nozzle in the display case ***FNB75GHT-GD***

Thread	45° Spray GPM @ 100 PSI	Color	*Plastic* Part #
¾" GHT	8.0	green	***GNB75GHT*** (domestic)
	25.1	clear	***CNB75GHT*** (global)



GNB75GHT



CNB75GHT

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Double Female Hex Adapters



Feature:
- other configurations are available, consult Dixon® for information

Female Thread	Female NST (NH) Thread	*Cast Brass* Part #
1½" NPT	1½"	***FFH1515F***
2½" NPT	2½"	***FFH2525F***
1½" NST (NH)	1½"	***FFH15F15F***
2½" NST (NH)	2½"	***FFH25F25F***

Female Thread	Female NYFD	*Cast Brass* Part #
1½" NYFD	1½"	***FFH15NYFD15NYFD***
1½" NPT	1½"	***FFH1515NYFD***
2½" NPT	2½"	***FFH2525NYFD***

Female Thread	Female Thread	*Cast Brass* Part #
1½" NPT	1½" NPSH	***FFH15T15S***

Female Rocker Lug - Suction Adapter with Poly Screen



Feature:
- suction intake with strainer screen

Female NST (NH) Thread	Female NPT Thread	*Cast Brass* Part #
2½"	1½"	***RSFSA25F15T***
	2"	***RSFSA25F20T***
	2½"	***RSFSA250F***
	3"	***RSFSA25F30T***

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

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(Open Snoot) Female Swivel Adapters - Pin Lug

Features:
- double female rigid hexagon to swivel connection, rigid end thread is always NPT, hose thread is on swivel end
- finishes: -P polished, -C polished chrome plated
- other configurations are available, consult Dixon® for information

Female Swivel Thread	Female Rigid Thread	*Cast Brass* Part #
1½" NST (NH)	1½" NPT	***SF150F***
1½" NPSH	1½" NPT	***SF150S***
2½" NST (NH)	1½" NPT	***SF25F15T***
2½" NST (NH)	2" NPT	***SF25F20T***
2½" NYFD	2½" NPT	***SF250NYFD***
2½" NST (NH)	2½" NPT	***SF250F***
2½" NST (NH)	2½" NPT	***SF250F-P***
2½" NST (NH)	2½" NPT	***SF250F-C***
2½" NPSH	2½" NPT	***SF250S***
2½" NST (NH)	3" NPT	***SF25F30T***
3" NST (NH)	3" NPT	***SF300F***
3" NYFD	3" NPT	***SF300NYFD***
4" NST (NH)	4" NPT	***SF400F***



Domestic Female Swivel Adapters - Pin Lug

Feature:
- other configurations are available, consult Dixon® for information

Female NST (NH) Swivel Thread	Female Rigid NPT Thread	*Cast Brass* Part #
1½"	1½"	***SF150F-D***
2½"	2½"	***SF250F-D***
	2"	***SF25F20T-D***



(Open Snoot) Female Swivel Adapters - Rocker Lug

Feature:
- other configurations are available, consult Dixon® for information

Female NST (NH) Thread	Female Rigid NPT Thread	*Cast Brass* Part #
1½"	1½"	***RSF150F***
2½"	1½"	***RSF25F15T***
	2"	***RSF25F20T***
	2½"	***RSF250F***
	3"	***RSF25F30T***



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Double Female Swivels

Pin Lug



Female NPSH Thread	Female NPSH Thread	*Cast Brass* Part #
1½" 2½"	1½" 2½"	***DFP1515*** ***DFP2525***

Female NST (NH) Thread	Female NST (NH) Thread	*Cast Brass* Part #
1½" 2½"	1½" 2½"	***DFP1515F*** ***DFP2525F***

Female NST (NH) Thread	Female NPSH Thread	*Cast Brass* Part #
1½" 2½"	1½" 2½"	***DFP15F15S*** ***DFP25F25S***

Female NYFD Thread	Female NYFD Thread	*Cast Brass* Part #
1½" 2½"	1½" 2½"	***DFP15NYFD15NYFD*** ***DFP25NYFD25NYFD***

Rocker Lug



Female NPSH Thread	Female NPSH Thread	*Cast Brass* Part #
1½" 2½"	1½" 2½"	***DFR1515*** ***DFR2525***

Female NST (NH) Thread	Female NST (NH) Thread	*Cast Brass* Part #
1½" 2½"	1½" 2½"	***DFR1515F*** ***DFR2525F***

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Domestic Double Female Swivels - Pin Lug



Female NST (NH) Thread	Female NST (NH) Thread	*Cast Brass* Part #
1½" 2½"	1½" 2½"	***DFP1515F-D*** ***DFP2525F-D***

• Replacement washers can be found on page 785

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Aluminum Swivel Female x Rigid Female Adapters - Rocker Lug Style N53

Female NPSH Swivel Thread	Female Rigid NPT Thread	*Aluminum Extrusion - Anodized* Part #
1½"	1½"	***N53-15S15T***
2"	2"	***N53-20S20T***
3"	3"	***N53-30S30T***
6"	6"	***N53-60S60T***



Female NPSH Swivel Thread	Female Rigid NPSH Thread	*Aluminum Extrusion - Anodized* Part #
1½"	1½"	***N53-15S15S***



Female NST (NH) Swivel Thread	Female Rigid NPT Thread	*Aluminum Extrusion - Anodized* Part #
1½"	1½"	***N53-15F15T***
2½"	2"	***N53-25F20T***
	2½"	***N53-25F25T***
	3"	***N53-25F30T***
	4"	***N53-25F40T***
4"	4"	***N53-40F40T***
4½"	4"	***N53-45F40T***
	6"	***N53-45F60T***
5"	6"	***N53-50F60T***
6"	6"	***N53-60F60T***



Female NST (NH) Swivel Thread	Female Rigid NST Thread	*Aluminum Extrusion - Anodized* Part #
1½"	1½"	***N53-15F15F***
2½"	1½"	***N53-25F15F***
	2½"	***N53-25F25F***
	6"	***N53-25F60F***
4"	4"	***N53-40F40F***
6"	4½"	***N53-60F45F***



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

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Double Swivel Female Adapters - Rocker Lug
Style N35



Female NPSH Swivel Thread	Female NPSH Swivel Thread	*Aluminum Extrusion - Anodized* Part #
1"	1"	***N35-10S10S***
1½"	1½"	***N35-15S15S***
2½"	2½"	***N35-25S25S***
3"	3"	***N35-30S30S***



Female NST (NH) Swivel Thread	Female NST (NH) Swivel Thread	*Aluminum Extrusion - Anodized* Part #
1"	1"	***N35-10F10F***
1½"	1½"	***N35-15F15F***
	2½"	***N35-15F25F***
2½"	2½"	***N35-25F25F***
4"	4"	***N35-40F40F***
4½"	4½"	***N35-45F45F***
5"	5"	***N35-50F50F***
6"	6"	***N35-60F60F***



Female NPSH Swivel Thread	Female NST Swivel Thread	*Aluminum Extrusion - Anodized* Part #
1"	1"	***N35-10S10F***
	1½"	***N35-10S15F***
1½"	1½"	***N35-15S15F***
2"	2½"	***N35-20S25F***
2½"	2½"	***N35-25S25F***

Aluminum Double Female Swivel Adapters - Long Handle
Style N57



Female NST (NH) Thread	Male NST (NH) Thread	*Aluminum Extrusion - Anodized* Part #
4½"	6"	***N57-45F60F***
5"	5"	***N57-50F50F***
	6"	***N57-50F60F***
6"	6"	***N57-60F60F***

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

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Hydrant Adapters - Pin Lug

Feature:
- other configurations are also available, consult Dixon® for information

Female Thread	Male Thread	*Cast Brass* Part #
1½" NPSH	¾" GHT	***HA15S76***
	¾" NPSH	***HA15S75***
	¾" NPT	***HA15S75T***
	1" NPSH	***HA15S10S***
	1" NPT	***HA15S10T***
	1½" NPT	***HA15S15T***
	1½" NST (NH)	***HA15S15F***
1½" NPT	1½" NPSH	***HA15T15S***
	1½" NST (NH)	***HA15T15F***
1½" NST (NH)	¾" GHT	***HA1576***
	¾" NPSH	***HA1575***
	¾" NPT	***HA1575T***
	1" NPSH	***HA1510***
	1" NST (NH)	***HA1510F***
	1" NPT	***HA1510T***
	1½" NPSH	***HA1515***
	1½" NPT	***HA1515T***
	1½" NST (NH)	***HA1515F***
	2½" NST (NH)	***HA1525F***
2" NPSH	1½" NPSH	***HA20S15S***
	1½" NPT	***HA20S15T***
	1½" NST (NH)	***HA20S15F***
	2½" NST (NH)	***HA20S25F***
2" NPT	2½" NST (NH)	***HA20T25F***
2" NST (NH)	2½" NST (NH)	***HA2025F***
2½" NPSH	1" NPT	***HA25S10T***
	1½" NPSH	***HA25S15S***
	1½" NPT	***HA25S15T***
	1½" NST (NH)	***HA25S15F***
	2½" NST (NH)	***HA25S25F***
2½" NST (NH)	¾" GHT	***HA2576***
	¾" NPT	***HA2575T***
	1" NPSH	***HA2510***
	1" NST (NH)	***HA2510F***
	1" NPT	***HA2510T***
	1½" NPSH	***HA2515***
	1½" NST (NH)	***HA2515F***
	1½" NPT	***HA2515T***
	2" NPSH	***HA2520***
	2" NST (NH)	***HA2520F***
	2" NPT	***HA2520T***
	2½" NPSH	***HA2525***
	2½" NST (NH)	***HA2525F***
	2½" NPT	***HA2525T***
	3" NPSH	***HA2530***
	3" NST (NH)	***HA2530F***
	3" NPT	***HA2530T***
3" NPSH	2½" NST (NH)	***HA30S25F***
	2½" NPT	***HA30S25T***
3" NST (NH)	1½" NPSH	***HA3015S***
	1½" NST (NH)	***HA3015F***
	2½" NST (NH)	***HA3025F***
4" NST (NH)	2½" NST (NH)	***HA4025F***
4½" NST (NH)	2½" NST (NH)	***HA4525F***


reducer


same size


increaser

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

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Hydrant Adapters - Rocker Lug

Features:
- finishes: -C polished chrome plated
- other configurations are also available, consult Dixon® for information


reducer


reducer - chrome plated



same size

Female Thread	Male Thread	*Cast Brass* Part #
1½" NST (NH)	¾" NST (NH)	***RHA1576***
	1" NST (NH)	***RHA1510***
	1" NST (NH)	***RHA1510F***
	1" NPT	***RHA1510T***
	1½" NPSH	***RHA1515***
	1½" NST (NH)	***RHA1515F***
	1½" NPT	***RHA1515T***
	2" NPSH	***RHA1520***
	2½" NST (NH)	***RHA1525F***
1½" NPSH	¾" NPT	***RHA15S75T***
	1" NPSH	***RHA15S10***
	1" NPT	***RHA15S10T***
	1½" NST (NH)	***RHA15S15F***
	1½" NPT	***RHA15S15T***
1½" NPT	1½" NST (NH)	***RHA15T15F***
2" NST (NH)	2½" NST (NH)	***RHA2025F***
2½" NST (NH)	¾" GHT	***RHA2576***
	1" NPSH	***RHA2510***
	1" NST (NH)	***RHA2510F***
	1" NPT	***RHA2510T***
	1½" NPSH	***RHA2515***
	1½" NST (NH)	***RHA2515F***
	1½" NPT	***RHA2515T***
	2" NST (NH)	***RHA2520F***
	2" NPT	***RHA2520T***
	2½" NPT	***RHA2525T***
	3" NPT	***RHA2530T***
2½" NPSH	1½" NPSH	***RHA25S15***
	1½" NST (NH)	***RHA25S15F***
2½" NPT	2½" NST (NH)	***RHA25T25F***
3" NST (NH)	2½" NST (NH)	***RHA3025F***

Female x Male Adapters - Long Handle
Style N56



Female NST (NH) Thread	Male NST (NH) Thread	*Aluminum Extrusion - Anodized* Part #
4"	2½"	***N56-40F25F***
4½"	4"	***N56-45F40F***
5"	2½"	***N56-50F25F***
6"	4½"	***N56-60F45F***
	6"	***N56-60F60T*** [1]

[1] female NST (NH) x male NPT

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

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Hydrant Adapters - Pin Lugs (New York Threads)

Features:
- NYFD thread = 3.031 x 8 TPI
- NYC thread = 3.00 x 8 TPI
- other configurations are also available, consult Dixon® for information


reducer

Female NYFD Thread	Male Thread	*Cast Brass* Part #
1½"	¾" GHT	***HA15NYFD76***
2½"	¾" NPT	***HA25NYFD75T***
	¾" GHT	***HA25NYFD76***
	1½" NPSH	***HA25NYFD15S***
	1½" NST (NH)	***HA25NYFD15F***
	1½" NPT	***HA25NYFD15T***
	1½" NYFD	***HA25NYFD15NYFD***
	2" NPT	***HA25NYFD20T***
	2½" NST (NH)	***HA25NYFD25F***


same size


increaser

Female NYC Thread	Male Thread	*Cast Brass* Part #
2½"	¾" GHT	***HA25NYC76***
	1" NPT	***HA25NYC10T***
	1½" NPT	***HA25NYC15T***
	2" NPT	***HA25NYC20T***

Hazmat Adapters - Pin Lugs

Feature:
- divides single stream into double stream



Female NST Thread	Male Thread	*Cast Brass* Part #
1½"	(2) ¾" GHT	***HHA1576***
2½"	(2) ¾" GHT	***HHA2576***

Domestic Hydrant Adapters - Pin Lug

Feature:
- other configurations are available, consult Dixon® for information



Female NST (NH)Thread	Male Thread	*Cast Brass* Part #
1½"	¾" GHT	***HA1576-D***
2½"	1" NPT	***HA2510T-D***
	1½" NST (NH)	***HA2515F-D***
	1½" NPT	***HA2515T-D***
	¾" GHT	***HA2576-D***

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

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Hydrant Adapters - Rocker Lug



Features:
- use with water
- maximum working pressure: **100 PSI** at **70°F (21°C)**

Female Thread	Male Thread	*Polycarbonate* Part #
1½" NPSH	1½" NST (NH)	***POLYHA15S15F***
2½" NST (NH)	¾" GHT	***POLYHA2576***
	1½" NPSH	***POLYHA2515***
	1½" NST (NH)	***POLYHA2515F***
	2" NPT	***POLYHA2520T***

Domestic Female to Male Hex Nipples



reducer



same size



increaser

Feature:
- other configurations are available, consult Dixon® for information

Female Thread	Male Thread	*Cast Brass* Part #
1" NPT	1½" NST (NH)	***FM1015F-D***
1½" NPT	1½" NST (NH)	***FM1515F-D***
	2½" NST (NH)	***FM1525F-D***
1½" NST (NH)	1½" NPSH	***FM15F15S-D***
	1½" NPT	***FM15F15T-D***
	2½" NST (NH)	***FM15F25F-D***
1½" NPSH	1½" NST (NH)	***FM15S15F-D***
	1½" NPT	***FM15S15T-D***
2" NPT	1½" NST (NH)	***FM2015F-D***
2½" NPT	2½" NST (NH)	***FM2525F-D***
2½" NST (NH)	1½" NST (NH)	***FM25F15F-D***
	1½" NPT	***FM25F15T-D***
	2½" NPT	***FM25F25T-D***

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Single Male Outlet with Hex (open snoot)

Application:
- used to connect fire hose to a standpipe or sprinkler system

Features:
- finishes: -P polished, -C polished chrome plated
- other sizes, threads and configurations are available, consult Dixon® for information

Female NPT Thread	Male Thread	*Cast Brass* Part #
2½"	2½" NST (NH)	***MOC250F-P***
	2½" NST (NH)	***MOC250F-C***
3"	2½" NST (NH)	***MOC3025F-P***
	2½" NST (NH)	***MOC3025F-C***
	3" NST (NH)	***MOC300F-P***

Female NPT Thread	Male Thread	*Cast Brass* Part #
2½"	2½" NYC	***MOC250NYC-P***
	2½" NYFD	***MOC250NYFD-P***


polished


polished chrome plated

Female to Male Hex Nipples

Feature:
- other configurations are also available, consult Dixon® for information

Female Thread	Male Thread	*Cast Brass* Part #
¾" GHT	1" NPT	***FM7610T***
1" NPSH	¾" GHT	***FM10S76***
1" NPT	¾" GHT	***FM1076***
	1" NPSH	***FM1010***
	1" NST (NH)	***FM1010F***
	1½" NPSH	***FM1015***
	1½" NST (NH)	***FM1015F***
1" NST (NH)	1" NPT	***FM10F10T***
1½" NPT	1½" NPSH	***FM1515***
	1½" NST (NH)	***FM1515F***
	2½" NST (NH)	***FM1525F***
1½" NST (NH)	1½" NPSH	***FM15F15S***
	1½" NPT	***FM15F15T***
	2" NPT	***FM15F20T***
	2½" NPT	***FM15F25T***
	2½" NST (NH)	***FM15F25F***
	1½" NST (NH)	***FM15F15F***
1½" NPSH	1½" NST (NH)	***FM15S15F***
	1½" NPT	***FM15S15T***
	2" NPT	***FM15S20T***
2" NPSH	1½" NPSH	***FM20S15***
	1½" NST (NH)	***FM20S15F***
	1½" NPT	***FM20S15T***
	2" NPT	***FM20S20T***
	2½" NST (NH)	***FM20S25F***
2" NPT	1½" NPSH	***FM2015***
	1½" NST (NH)	***FM2015F***
	2" NPSH	***FM2020***
	2½" NST (NH)	***FM2025F***
2½" NST (NH)	¾" NPT	***FM25F75T***
	1" NPT	***FM25F10T***
	1½" NST (NH)	***FM25F15F***
	1½" NPT	***FM25F15T***
	2" NPT	***FM25F20T***
2½" NPT	1½" NST (NH)	***FM2515F***
	2½" NPSH	***FM2525***
	2½" NST (NH)	***FM2525F***


reducer


same size


increaser

Table continued on next page

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

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Female to Male Hex Nipples

Table continued from previous page


reducer


same size


increaser

Female Thread	Male Thread	*Cast Brass* Part #
2½" NST (NH)	2½" NST (NH)	***FM25F25F***
	2½" NPT	***FM25F25T***
	3" NST (NH)	***FM25F30F***
	3" NPT	***FM25F30T***
	2½" NPSH	***FM25F25S***
2½" NPT	2½" NPT	***FM2525T***
2½" NPSH	2½" NST (NH)	***FM25S25F***
	2½" NPT	***FM25S25T***
3" NPT	2½" NST (NH)	***FM3025F***
	2½" NPT	***FM3025T***
	3" NST (NH)	***FM3030F***
3" NST (NH)	2½" NST (NH)	***FM30F25F***
	2½" NPT	***FM30F25T***
	3" NPT	***FM30F30T***
3" NPSH	2½" NST (NH)	***FM30S25F***
4" NPT	2½" NST (NH)	***FM4025F***
	4" NST (NH)	***FM4040F***
	4½" NST (NH)	***FM4045F***
4" NST (NH)	4" NPT	***FM40F40T***
4½" NST (NH)	4" NPT	***FM45F40T***
6" NPT	6" NST (NH)	***FM6060F***
6" NST (NH)	6" NPT	***FM60F60T***

Female to Male Hex Nipples (New York Threads)


reducer


same size


increaser

Features:

- NYFD thread = 3.031 x 8 TPI
- NYC thread = 3.00 x 8 TPI
- other configurations are available, consult Dixon® for information

Female Thread	Male Thread	*Cast Brass* Part #
1½" NPT	1½" NYFD	***FM1515NYFD***
1½" NST (NH)	1½" NYFD	***FM15F15NYFD***
1½" NYFD	1½" NST (NH)	***FM15NYFD15F***
	1½" NPT	***FM15NYFD15T***

Female Thread	Male Thread	*Cast Brass* Part #
2½" NPT	2½" NYC	***FM2525NYC***
	2½" NYFD	***FM2525NYFD***
2½" NST (NH)	2½" NYC	***FM25F25NYC***
	2½" NYFD	***FM25F25NYFD***
2½" NYC	2½" NST (NH)	***FM25NYC25F***
	2½" NPT	***FM25NYC25T***
2½" NYFD	2½" NST (NH)	***FM25NYFD25F***
	2½" NPT	***FM25NYFD25T***

Female NYFD Thread	Male Thread	*Cast Brass* Part #
2½"	1½" NPT	***FM25NYFD15T***
	2" NPT	***FM25NYFD20T***
	3" NPT	***FM25NYFD30T***

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Female x Male Adapters - Rocker Lug
Style N37

Female Thread	Male Thread	*Aluminum Extrusion - Anodized* Part #
¾" GHT	1" NST (NH)	***N37-07G10F***
	1" NPSH	***N37-07G10S***
	1" NPT	***N37-07G10T***
	1½" NST (NH)	***N37-07G15F***
	1½" NPSH	***N37-07G15S***
1" NST	¾" GHT	***N37-10F07G***
	1" NPSH	***N37-10F10S***
	1" NPT	***N37-10F10T***
	1½" NST (NH)	***N37-10F15F***
	1½" NPSH	***N37-10F15S***
	2½" NST (NH)	***N37-10F25F***
1" NPSH	¾" GHT	***N37-10S07G***
	¾" NPSH	***N37-10S07S***
	1" NST (NH)	***N37-10S10F***
	1" NPT	***N37-10S10T***
	1½" NST (NH)	***N37-10S15F***
	1½" NPSH	***N37-10S15S***
1" NPT	1" NST	***N37-10T10F***
1½" NST (NH)	¾" GHT	***N37-15F07G***
	¾" NPT	***N37-15F07T***
	1" NST (NH)	***N37-15F10F***
	1" NPSH	***N37-15F10S***
	1" NPT	***N37-15F10T***
	1½" NST (NH)	***N37-15F15F***
	1½" NPSH	***N37-15F15S***
	1½" NPT	***N37-15F15T***
	2" NPT	***N37-15F20T***
	2½" NST (NH)	***N37-15F25F***
1½" NPSH	¾" GHT	***N37-15S07G***
	1" NST (NH)	***N37-15S10F***
	1½" NST (NH)	***N37-15S15F***
	1½" NPT	***N37-15S15T***
	2" NPT	***N37-15S20T***
1½" NPT	1½" NST (NH)	***N37-15T15F***
	1½" NPSH	***N37-15T15S***
	2½" NST (NH)	***N37-15T25F***
2" NPSH	¾" GHT	***N37-20S07G***
	1½" NST (NH)	***N37-20S15F***
	1½" NPSH	***N37-20S15S***
	2" NPT	***N37-20S20T***
	2½" NST (NH)	***N37-20S25F***
2" NPT	1½" NST (NH)	***N37-20T15F***
	1½" NPSH	***N37-20T15S***
	2½"NST (NH)	***N37-20T25F***



reducer



same size



increaser

Table continued on next page

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

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Female x Male Adapters - Rocker Lug (continued)
Style N37



reducer



same size



increaser

Table continued from previous page

Female Thread	Male Thread	*Aluminum Extrusion - Anodized* Part #
2½" NST (NH)	¾" GHT	***N37-25F07G***
	¾" NPT	***N37-25F07T***
	1" NPT	***N37-25F10T***
	1½" NST (NH)	***N37-25F15F***
	1½" NPSH	***N37-25F15S***
	1½" NPT	***N37-25F15T***
	2" NPT	***N37-25F20T***
	2½" NST (NH)	***N37-25F25F***
	2½" NPSH	***N37-25F25S***
	2½" NPT	***N37-25F25T***
	3" NST (NH)	***N37-25F30F***
	3" NPT	***N37-25F30T***
2½" NPSH	1½" NPSH	***N37-25S15S***
	2½" NST (NH)	***N37-25S25F***
	2½" NPT	***N37-25S25T***
2½" NPT	1½" NPSH	***N37-25T15S***
	2½" NST (NH)	***N37-25T25F***
	3" NPT	***N37-25T30T***
3" NST (NH)	1½" NST (NH)	***N37-30F15F***
	2½" NST (NH)	***N37-30F25F***
	3" NPT	***N37-30F30T***
	2½" NST (NH)	***N37-30S25F***
3" NPT	2½" NST (NH)	***N37-30T25F***
	2½" NPT	***N37-30T25T***
4" NST (NH)	2½" NST (NH)	***N37-40F25F***
	4" NST (NH)	***N37-40F40F***
	4" NPT	***N37-40F40T***
	6" NST (NH)	***N37-40F60F***
4" NPT	2½" NST (NH)	***N37-40T25F***
	4" NST (NH)	***N37-40T40F***
	4½" NST (NH)	***N37-40T45F***
4½" NST (NH)	2½" NST (NH)	***N37-45F25F***
	4" NST (NH)	***N37-45F40F***
	4" NPT	***N37-45F40T***
	5" NST (NH)	***N37-45F50F***
5" NST (NH)	4½" NST (NH)	***N37-50F45F***
	5" NPT	***N37-50F50T***
	6" NST (NH)	***N37-50F60F***
5" NPSH	6" NST (NH)	***N37-50S60F***
5" NPT	5" NST (NH)	***N37-50T50F***
6" NST (NH)	4" NPT	***N37-60F40T***
	5" NST (NH)	***N37-60F50F***
	6" NPT	***N37-60F60T***
6" NPT	4" NST (NH)	***N37-60T40F***
	6" NST (NH)	***N37-60T60F***

- All adapters are made to approved Dixon® specifications.
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Brass Female Swivel to Male Adapters

Pin Lug

Female NST (NH) Thread	Male NPT Thread	*Cast Brass* Part #
1½"	1½"	***SM150F***
2½"	1½"	***SM25F15T***
	2"	***SM25F20T***
	2½"	***SM250F***
	3"	***SM25F30T***
4"	4"	***SM400F***



Female NPSH Thread	Male NPT Thread	*Cast Brass* Part #
1½"	1½"	***SM150S***
2"	2"	***SM200S***
2½"	2½"	***SM250S***

Female Thread	Male NST (NH) Thread	*Cast Brass* Part #
1½" NPSH	1½"	***SM15S15F***
2½" NST (NH)	3"	***SM25F30F***

Female Thread	Male NPT Thread	*Cast Brass* Part #
1½" NYFD	1½"	***SM150NYFD***
2½" NYFD	2½"	***SM250NYFD***

Rocker Lug

Female Thread	Male NPT Thread	*Cast Brass* Part #
1½" NST (NH)	1½"	***RSM150F***
1½" NPSH	1½"	***RSM150S***
2½" NST (NH)	2"	***RSM25F20T***
	2½"	***RSM250F***
	3"	***RSM25F30T***



Domestic Male Swivel Adapters - Pin Lug

Female NST (NH) SwivelThread	Male NPT Thread	*Cast Brass* Part #
1½"	1½"	***SM150F-D***
2½"	2½"	***SM250F-D***
	2"	***SM25F20T-D***
	3"	***SM25F30T-D***



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- Replacement washers can be found on page 785

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Male Rocker Lug - Suction with Poly Screen



Feature:
- suction intake with strainer screen

Female NST (NH) Thread	Male NPT Thread	*Cast Brass* Part #
2½"	2"	***RSMSA25F20T***
	2½"	***RSMSA250F***
	3"	***RSMSA25F30T***

Male Rocker Lug - Suction with Zinc Screen



Feature:
- suction intake with zinc strainer screen - excellent to use before backflow preventers

Female NST (NH) Thread	Male NPT Thread	*Cast Brass* Part #
2½"	2"	***RSMSA25F20T-Z***
	2½"	***RSMSA250F-Z***
	3"	***RSMSA25F30T-Z***

Male Rocker Lug - Suction with Poly Screen



Feature:
- suction intake with strainer screen

Female NST (NH) Thread	Male NPT Thread	*Aluminum* Part #
2½"	2"	***ARSMSA25F20T***
	2½"	***ARSMSA250F***

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Female Swivel to Male Adapters - Rocker Lug
Style N54

Female Swivel Thread	Male RigidThread	*Aluminum Extrusion - Anodized* Part #
1½" NST (NH)	1½" NST (NH)	***N54-15F15F***
	1½" NPT	***N54-15F15T***
	2½" NST (NH)	***N54-15F25F***
1½" NPSH	1½" NPSH	***N54-15S15S***
	1½" NPT	***N54-15S15T***
2½" NST (NH)	1½" NST (NH)	***N54-25F15F***
	1½" NPT	***N54-25F15T***
	2" NPT	***N54-25F20T***
	2½" NST (NH)	***N54-25F25F***
	2½" NPT	***N54-25F25T***
	3" NPT	***N54-25F30T***
2½" NPSH	2" NPT	***N54-25S20T***
3" NPSH	3" NPT	***N54-30S30T***
4" NST (NH)	4" NST (NH)	***N54-40F40F***
	4" NPT	***N54-40F40T***
	6" NST (NH)	***N54-40F60F***
4½" NST (NH)	4" NPT	***N54-45F40T***
	6" NPT	***N54-45F60T***
6" NST (NH)	6" NPT	***N54-60F60T***



Female Swivel to Male Adapters - Long Handle
Style N54L

Female NST Thread	Male Thread	*Aluminum Extrusion - Anodized* Part #
2½"	2½" NST (NH)	***N54L-25F25F***
4"	6" NST (NH)	***N54L-40F60F***
4½"	4" NPT	***N54L-45F40T***
6"	4" NPT	***N54L-60F40T***
	5" NST (NH)	***N54L-60F50F***
	6" NPT	***N54L-60F60T***



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 785

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Double Male Hex Nipples

Feature:

- other configurations are available, consult Dixon® for information



reducer



same size



increaser

Male Thread	Male Thread	*Cast Brass* Part #
¾" NPT	1½" NPSH	***DMH7515***
	1½" NST (NH)	***DMH7515F***
1" NPT	¾" GHT	***DMH1076***
	1" NPSH	***DMH1010***
	1" NST (NH)	***DMH1010F***
	1½" NPSH	***DMH1015***
	1½" NST (NH)	***DMH1015F***
	2½" NST (NH)	***DMH1025F***
1½" NPSH	1½" NPSH	***DMH15S15S***
1½" NPT	1" NPSH	***DMH1510***
	1" NST (NH)	***DMH1510F***
	1½" NPSH	***DMH1515***
	1½" NPT	***DMH1515T***
	1½" NST (NH)	***DMH1515F***
	2" NPSH	***DMH1520***
	2½" NST (NH)	***DMH1525F***
1½" NST (NH)	1½" NPSH	***DMH15F15S***
	1½" NST (NH)	***DMH15F15F***
	2½" NST (NH)	***DMH15F25F***
2" NPT	1½" NPSH	***DMH2015***
	1½" NST (NH)	***DMH2015F***
	2" NPSH	***DMH2020***
	2½" NPSH	***DMH2025***
	2" NPT	***DMH2020T***
	2½" NST (NH)	***DMH2025F***
2½" NPT	1½" NPSH	***DMH2515***
	1½" NST (NH)	***DMH2515F***
	2" NPSH	***DMH2520***
	2½" NPSH	***DMH2525***
	2½" NST (NH)	***DMH2525F***
	2½" NPT	***DMH2525T***
	3" NPSH	***DMH2530***
	3" NPT	***DMH2530T***
	3" NST (NH)	***DMH2530F***
2½" NST (NH)	2½" NST (NH)	***DMH25F25F***
	3" NST (NH)	***DMH25F30F***
3" NPT	2½" NPSH	***DMH3025***
	2½" NST (NH)	***DMH3025F***
	3" NPSH	***DMH3030***
	3" NST (NH)	***DMH3030F***
	3" NPT	***DMH3030T***
4" NPT	4" NPSH	***DMH4040***
4" NST (NH)	4" NST	***DMH40F40F***
4" NPT	4" NST (NH)	***DMH4040F***
	4½" NST (NH)	***DMH4045F***
	4" NPT	***DMH4040T***
5" NPT	5" NST (NH)	***DMH5050F***
6" NPT	4½" NST (NH)	***DMH6045F***
	6" NST (NH)	***DMH6060F***
	6" NPSH	***DMH6060***
	6" NPT	***DMH6060T***

- All adapters are made to approved Dixon® specifications.

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Double Male Hex Adapters (NYFD Threads)

Feature:

- other configurations are available, consult Dixon® for information

Male Thread	Male NYFD Thread	*Cast Brass* Part #
1½" NPT	1½"	***DMH1515NYFD***
1½" NST (NH)	1½"	***DMH15F15NYFD***
1½" NPT	2½"	***DMH1525NYFD***
2" NPT	2½"	***DMH2025NYFD***
2½" NPT	1½"	***DMH2515NYFD***
2½" NPT	2½"	***DMH2525NYFD***



reducer

Male NST (NH) Thread	Male NYFD Thread	*Cast Brass* Part #
2½"	2½"	***DMH25F25NYFD***



same size

Male NYFD Thread	Male NYFD Thread	*Cast Brass* Part #
1½"	1½"	***DMH15NYFD15NYFD***
2½"	2½"	***DMH25NYFD25NYFD***



increaser

- NYFD thread: 3.031 x 8 TPI

- All adapters are made to approved Dixon® specifications.

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Domestic Double Male Hex Adapters


reducer


same size


increaser

Feature:
- other configurations are available, consult Dixon® for information

Male Thread	Male Thread	*Cast Brass* Part #
1" NPT	1" NST (NH) 1½" NST (NH)	***DMH1010F-D*** ***DMH1015F-D***
1½" NPT	1½" NPSH 1½" NST (NH) 2½" NST (NH)	***DMH1515-D*** ***DMH1515F-D*** ***DMH1525F-D***
1½" NST (NH)	1½" NST (NH) 1½" NPSH 2½" NST (NH)	***DMH15F15F-D*** ***DMH15F15S-D*** ***DMH15F25F-D***
2" NPT	1½" NST (NH) 2" NPSH 2½" NST (NH)	***DMH2015F-D*** ***DMH2020-D*** ***DMH2025F-D***
2½" NPT	1½" NST (NH) 2½" NST (NH)	***DMH2515F-D*** ***DMH2525F-D***
2½" NST (NH)	2½" NST (NH)	***DMH25F25F-D***
3" NPT	2½" NST (NH) 3" NST (NH)	***DMH3025F-D*** ***DMH3030F-D***
4" NPT	4½" NST (NH)	***DMH4045F-D***
6" NPT	6" NST (NH)	***DMH6060F-D***

Double Male Adapters

Feature:
- other configurations are available, consult Dixon® for information



Pin Lug

Male Thread	Male Thread	*Cast Brass* Part #
1½" NST (NH)	1½" NST (NH) 1½" NPT	***DMP1515F*** ***DMP15F15T***
1½" NPSH	1½" NPSH 1½" NPT	***DMP1515*** ***DMP15S15T***
1½" NST (NH)	1½" NPSH	***DMP15F15S***
2½" NST (NH)	2½" NST (NH) 2½" NPSH 2½" NPT	***DMP2525F*** ***DMP25F25S*** ***DMP25F25T***
2½" NPSH	2½" NPSH	***DMP2525***



Rocker Lug

Male Thread	Male Thread	*Cast Brass* Part #
1½" NST (NH)	1½" NST (NH) 1½" NPT 1½" NPSH	***DMR1515F*** ***DMR15F15T*** ***DMR15F15S***
1½" NPSH	1½" NPSH 1½" NPT	***DMR1515*** ***DMR15S15T***
2½" NST (NH)	2½" NST (NH)	***DMR2525F***
2½" NPSH	2½" NPSH	***DMR2525***

- All adapters are made to approved Dixon® specifications.

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Double Male Adapters - Rocker Lug Style N36

Male NST (NH)Thread	Male Thread	*Aluminum Extrusion - Anodized* Part #
1"	1" NST (NH)	***N36-10F10F***
1½"	1½" NST (NH)	***N36-15F15F***
	2" NPT	***N36-15F20T***
	2½" NST (NH)	***N36-15F25F***
2½"	2½" NST (NH)	***N36-25F25F***
	3" NST (NH)	***N36-25F30F***
	3" NPT	***N36-25F30T***
	4" NST (NH)	***N36-25F40F***
	4" NPT	***N36-25F40T***
	4½" NST (NH)	***N36-25F45F***
3"	3" NST (NH)	***N36-30F30F***
4"	4" NST (NH)	***N36-40F40F***
4½"	4½" NST (NH)	***N36-45F45F***
6"	6" NST (NH)	***N36-60F60F***



same size

Male NPT Thread	Male Thread	*Aluminum Extrusion - Anodized* Part #
1½"	1½" NST (NH)	***N36-15T15F***
	2½" NST (NH)	***N36-15T25F***
2"	2" NPT	***N36-20T20T***
	2½" NST (NH)	***N36-20T25F***
2½"	2½" NST (NH)	***N36-25T25F***
	3" NPT	***N36-25T30T***
	4" NPT	***N36-25T40T***
3"	3" NST (NH)	***N36-30T30F***
4"	4" NST (NH)	***N36-40T40F***
	4½" NST (NH)	***N36-40T45F***
5"	6" NPT	***N36-50T60T***
6"	6" NST (NH)	***N36-60T60F***



increaser

Male NPSH Thread	Male Thread	*Aluminum Extrusion - Anodized* Part #
1"	1" NPSH	***N36-10S10S***
1½"	1½" NST (NH)	***N36-15S15F***
	1½" NPSH	***N36-15S15S***
	1½" NPT	***N36-15S15T***
	2" NPSH	***N36-15S20S***
2½"	2½" NST (NH)	***N36-25S25F***
	2½" NPSH	***N36-25S25S***

Cam and Groove Hydrant Adapters

Features:

- pin lugs allow for easy connection using standard spanner and hydrant wrenches on pages 799 - 802
- supplied with a Buna-N washer in the threaded end



FemaleNST (NH) Thread	Male Adapter	*Brass* Part #	*Aluminum* Part #
1½"	1½"	***HA1515ADP***	***AHA1515ADP***
2½"	2½"	***HA2525ADP***	***AHA2525ADP***

Replacement Washers

ID	OD	Thickness	*Buna-N* Part #
1-9/16"	2-1/16"	1/8"	***SW150***
2-9/16"	3-3/16"	3/16"	***SW250***



- All adapters are made to approved Dixon® specifications.

Cam and Groove x NST

Features:
- powder coated aluminum adapter
- for suction and low pressure discharge only
- other sizes, configurations and materials available, contact Dixon® for information



Type A x Female NST (NH)

Adapter Size	Female NST (NH)Thread	*Aluminum* Part #
1½"	1½"	***G150-A-ALNST***
2½"	2½"	***G250-A-ALNST***
3"	2½"	***3025-A-ALNST***



Type B x Male NST (NH)

Feature:
- Buna seals standard

Coupler Size	Male NST (NH) Thread	*Aluminum* Part #
1½"	1½"	***G150-B-ALNST***
2"	1½"	***2015-B-ALNST***
2½"	2½"	***G250-B-ALNST***
3"	2½"	***3025-B-ALNST***



Type D x Female NST (NH)

Feature:
- Buna seals standard

Coupler Size	Female NST (NH) Thread	*Aluminum* Part #
1½"	1½"	***G150-D-ALNST***
2"	2½"	***2025-D-ALNST***
2½"	2½"	***G250-D-ALNST***
3"	2½"	***3025-D-ALNST***



Type F x Male NST (NH)

Adapter Size	Male NST (NH) Thread	*Aluminum* Part #
1½"	1½"	***G150-F-ALNST***
2"	2½"	***2025-F-ALNST***
2½"	2½"	***G250-F-ALNST***
3"	2½"	***3025-F-ALNST***

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Brass Caps

Pin Lug

Features:
- finishes: -P polished, -C polished chrome plated
- NOT intended for pressure applications - for debris and thread protection only



NST (NH) Thread	*Cast Brass* Part #
1½"	***FC150F*** ***FC150F-P*** ***FC150F-C***
2"	***FC200F***
2½"	***FC250F*** ***FC250F-P*** ***FC250F-C***
3"	***FC300F***
4"	***FC400F***
4½"	***FC450F***
6"	***FC600F***



NPSH Thread	*Cast Brass* Part #
1½"	***FC150***
2"	***FC200***
2½"	***FC250***
3"	***FC300***
4"	***FC400***
6"	***FC600***



Rocker Lug

Feature:
- finishes: -P polished, -C polished chrome plated



NST (NH) Thread	*Cast Brass* Part #
1"	***RFC100F***
1½"	***RFC150F***
2½"	***RFC250F*** ***RFC250F-C***



NPSH Thread	*Cast Brass* Part #
¾"	***RFC075***
1"	***RFC100***
1½"	***RFC150***
2"	***RFC200***
2½"	***RFC250***

Brass Test Caps

Features:
- pet cock port supplied with ⅛" NPT
- drain cock port supplied with ¼" NPT



NST (NH) Thread	*Brass* Part #
2½"	***NST250TC***

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Aluminum Caps with Cable

Rocker Lug



Features:
- other configurations are available, consult Dixon® for information, not all configurations are stocked
- aircraft cable (coated) included

Size	Thread	*Extruded Hardcoated Aluminum* Part #
1"	NST (NH)	***CAP100F-C***
1½"		***CAP150F-C***
2"		***CAP200F-C***
2½"		***CAP250F-C***
3"		***CAP300F-C***
4"		***CAP400F-C***
4½"		***CAP450F-C***
5"		***CAP500F-C***
6"		***CAP600F-C***
1"	NPSH	***CAP100S-C***
1½"		***CAP150S-C***
2"		***CAP200S-C***
2½"		***CAP250S-C***

Long Handle



NST (NH) Thread	*Extruded Hardcoated Aluminum* Part #
4"	***CAP400F-C-LH***
4½"	***CAP450F-C-LH***
5"	***CAP500F-C-LH***
6"	***CAP600F-C-LH***

Aluminum Test Caps



Feature:
- supplied with ¼" NPT drill and tap

Size	Thread	*Aluminum* Part #
1½"	NST (NH)	***CAP150FABS***
2"		***CAP200FABS***
2½"		***CAP250FABS***
3"		***CAP300FABS***
4"		***CAP400FABS***
4½"		***CAP450FABS***
5"		***CAP500FABS***
6"		***CAP600FABS***
1½"	NPSH	***CAP150SABS***
2"		***CAP200SABS***
2½"		***CAP250SABS***
3"		***CAP300SABS***
4"		***CAP400SABS***
4½"		***CAP450SABS***
5"		***CAP500SABS***
6"		***CAP600SABS***

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Thermoplastic Caps

Caps with Chain

Application:
- prevents entry of foreign material and protects male outlet threads on valves and hydrants

Feature:
- NOT intended to be pressurized ⚠



Size	Thread	*Polycarbonate* Part #
1½"	NPSH NST (NH)	***PFCW150*** ***PFCW150F***
2" 2½" 3"	NPSH NST (NH) NST	***PFCW200*** ***PFCW250F*** ***PFCW300F***

Pressurizable Cap with Chains

Feature:
- can be pressurized to **300 PSI**



Size	Thread	*Polycarbonate* Part #
2½"	NST (NH) Thread	***PFC250F***

Hydrant Caps

Features:
- 1⅛" pentagonal nut with weep hole
- gasket not included



NST (NH) Thread	*Polycarbonate* Part #
2½" 4" 4½"	***PFCW250F-Y*** ***PFCW400F-Y*** ***PFCW450F-Y***

Universal Hose Cap

Features:
- universal push on - pull off cap protects all threads by gripping the valve or outlet on the inside of the waterway
- NOT intended to be pressurized ⚠



Size	*Polycarbonate* Part #
2½"	***PFC250U***

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Breakable Caps

Polycarbonate

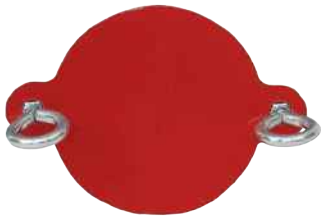


Application:
- prevents entry of foreign material and protects female threads on pin lug fire department inlet connections

Feature:
- used on pin lug females

Size	*Polycarbonate* Part #
2½"	***PBC250***

Aluminum



Features:
- for use on fire department inlet connections
- prevents entry of foreign matter and protects female threads
- breakable ears feature permits fast hose connection
- two eyebolts with nuts for attachment to female pin lug swivel
- painted red finish

Size	*Aluminum* Part #
2½"	***ABC250***

Specialty Caps

Domestic Caps - Pin Lug



Feature:
- other sizes, threads, and finishes available, call Dixon® for information

Size	Thread	*Brass* Part #
1½" 2½"	NST (NH)	***FC150F-D*** ***FC250F-D***

Note: jack chains with S-hooks can be found on page 172

Hydrant Caps



IHC250F



IHC450F

Features:
- pentagon fire hydrant cap
- supplied with chain and ring

Size	Thread	*Iron* Part #
2½" 4½"	NST (NH) NST (NH)	***IHC250F*** ***IHC450F***

Note: jack chains with S-hooks can be found on page 172

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Specialty Caps

Plugs with Cable - Rocker Lug

Feature:
- -NC: no cable option available

Size	*Extruded Hardcoated Aluminum* NST (NH) Part #	NPSH Part #
1½"	***PLUG150F-C***	***PLUG150S-C***
2½"	***PLUG250F-C***	***PLUG250S-C***
3"	***PLUG300F-C***	***PLUG300S-C***
4"	***PLUG400F-C***	---
4½"	***PLUG450F-C***	---
5"	***PLUG500F-C***	---
6"	***PLUG600F-C***	---



Cap Test Gauges

Application:
Used for testing hose or static pressure on hydrants or trucks

Features:
- rocker lug swivel
- petcock to release pressure
- supplied with a 0-300 PSI glycerine 3½" diameter gauge

NST (NH) Thread	*Hardcoated Aluminum* Part #
1½"	***AFC150F-TGWP***
2½"	***AFC250F-TGWP***



FDC Plugs

Features:
- fits standard 2½" NST (NH) female swivel
- withstands wide range of temperatures from **-4°F** to **200°F** (**-20°C** to **93°C**)
- 1⅛" pentagonal nut with weep hole to allow for drainage
- removed from FDC with adjustable hydrant wrench

Size	Thread	*Polycarbonate* Part #
1½"	NST (NH)	***PP150F*** NEW
2½"	NST (NH)	***PP250F***
2½	NYFD	***PP250NYFD*** NEW



Adjust-A-Plug

Features:
- molded red polycarbonate protective plug for swivel connections up to 2½"
- two adjustable metal plates installed in the back of the plug can be mated with your local thread
- plug can be easily removed with a fire department spanner wrench

Polycarbonate Part #
PAP250



front



back

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Brass Plugs

Pin Lug





Features:
- finishes: -P polished, -C polished chrome plated
- NOT intended for pressure applications - for debris and thread protection only

NST (NH) Thread	*Cast Brass* Part #
1½"	***FP150F*** ***FP150F-P*** ***FP150F-C***
2½"	***FP250F*** ***FP250F-P*** ***FP250F-C***
3"	***FP300F***
4"	***FP400F***
4½"	***FP450F***
NPSH Thread	***Cast Brass*** **Part #**
1½"	***FP150***
2½"	***FP250***

Rocker Lug





Feature:
- finishes: -P polished, -C polished chrome plated

NST (NH) Thread	*Cast Brass* Part #
1½"	***RFP150F***
2½"	***RFP250F***

Domestic Plugs - Pin Lug



NST (NH) Thread	*Brass* Part #
1½"	***FP150F-D***
2½"	***FP250F-D***

Brass Replacement Swivels and Accessories



Features:
- replacement brass swivels for Dixon® fire department connections
- swivel comes with gasket, set screw and ball bearings needed to install on FDC
- other configurations are available, contact Dixon® for information

Size	Female Thread	*Brass* Part #
2½"	NPSH (2.84x8) NST (NH) (3.07x7.5) NYC/BA (3.00x8) NYFD (3.03x8)	***PSNP250S*** ***PSNP250NST*** ***PSNP250NYC*** ***PSNP250NYFD***
3"	NST (NH) NYFD	***PSNP300NST*** ***PSNP300NYFD***

- 2½" requires 50 ball bearings, 3" requires 58 ball bearings

Replacement Parts



4600300001

Description	Part #
2½" gasket	***SW250***
3" gasket	***SW300F***
ball bearings	***4600300001***
set screw	***4601100418***

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FSA-Storz x Rigid Female

Features:
- for use wherever a non-valved, locking coupling is required
- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI** at **70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"

Storz x NST (NH) Female

Storz Size	NST (NH) Female Thread	*6061-T6 Forged Alumium* Part #
1½"	1½"	***FSA1515F***
2"	1½"	***FSA2015F***
	2½"	***FSA2025F***
2½"	2½"	***FSA2525F***
3"	2½"	***FSA3025F***
4"	2½"	***FSA4025F***
	3"	***FSA4030F***
	4"	***FSA4040F***
	4½"	***FSA4045F***
	5"	***FSA4050F***
	6"	***FSA4060F***
5"	2½"	***FSA5025F***
	3"	***FSA5030F***
	4"	***FSA5040F***
	4½"	***FSA5045F***
	5"	***FSA5050F***
	6"	***FSA5060F***
6"	6"	***FSA6060F***



Storz x NPT Female

Storz Size	NPT Female Thread	*6061-T6 Forged Alumium* Part #
1½"	1"	***FSA1510T***
	1½"	***FSA1515T***
2"	1½"	***FSA2015T***
	2"	***FSA2020T***
2½"	1½"	***FSA2515T***
	2"	***FSA2520T***
	2½"	***FSA2525T***
	3"	***FSA2530T***
3"	3"	***FSA3030T***
4"	3"	***FSA4030T***
	4"	***FSA4040T***
	6"	***FSA4060T***
5"	3"	***FSA5030T***
	4"	***FSA5040T***
	5"	***FSA5050T***
	6"	***FSA5060T***
6"	4"	***FSA6040T***
	6"	***FSA6060T***



Storz x NPSH Female

Storz Size	NPSH Female Thread	*6061-T6 Forged Alumium* Part #
1½"	1½"	***FSA1515S***
2"	1½"	***FSA2015S***
2½"	2½"	***FSA2525S***
4"	4"	***FSA4040S***



- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 798

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SFSA - Storz x Swivel Female Adapter - Rocker Lug / Long Handle

Features:
- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI** at **70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"



Storz x NST (NH) Female Swivel

Storz Size	NST (NH) Female Swivel Thread	*6061-T6 Forged Alumium* Part #
2½"	2½"	***SFSA2525F***
3"	2½"	***SFSA3025F***
4"	2½"	***SFSA4025F***
	3"	***SFSA4030F***
	4"	***SFSA4040F***
	4½"	***SFSA4045F***
	6"	***SFSA4060F***
5"	2½"	***SFSA5025F***
	4"	***SFSA5040F***
	4½"	***SFSA5045F***
	6"	***SFSA5060F***
6"	6"	***SFSA6060F***



Storz x NPSH Female

Storz Size	NPSH Female Swivel Thread	*6061-T6 Forged Alumium* Part #
2½"	2½"	***SFSA2525S***
3"	3"	***SFSA3030S***
4"	4"	***SFSA4040S***
5"	6"	***SFSA5060S***



Storz x NST (NH) Female Swivel - Long Handle

Storz Size	NST (NH) Female Swivel Thread	*6061-T6 Forged Alumium* Part #
4"	4½"	***SFSA4045F-LH***
5"	4"	***SFSA5040F-LH***
5"	4½"	***SFSA5045F-LH***
6"	6"	***SFSA6060F-LH***

- All adapters are made to approved Dixon® specifications.
- Replacement washers can be found on page 798

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MSA - Storz x Rigid Male

Storz x NST (NH) Male

Storz Size	NST (NH) MaleThread	*6061-T6 Forged Alumium* Part #
1½"	1½"	***MSA1515F***
2"	1½"	***MSA2015F***
2½"	2½"	***MSA2525F***
3"	2½"	***MSA3025F***
4"	2½"	***MSA4025F***
	4"	***MSA4040F***
	4½"	***MSA4045F***
5"	2½"	***MSA5025F***
	5"	***MSA5050F***



Storz x NPT Male

Storz Size	NPT Male Thread	*6061-T6 Forged Alumium* Part #
1½"	1½"	***MSA1515T***
2"	1½"	***MSA2015T***
2½"	2"	***MSA2520T***
	2½"	***MSA2525T***
	3"	***MSA2530T***
3"	3"	***MSA3030T***
4"	4½"	***MSA4025T***
	4"	***MSA4040T***
5"	4"	***MSA5040T***
6"	6"	***MSA6060T***



Storz x NPSH Male

Storz Size	NPSH Male Thread	*6061-T6 Forged Alumium* Part #
1½"	1½"	***MSA1515S***
2"	1½"	***MSA2015S***



1½" x 1½"

- All adapters are made to approved Dixon® specifications.

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SFSA30 - Storz x Female Swivel 30° Elbow - Rocker Lug



Features:
- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI** at **70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"
- screens available for 4" and 5" heads, consult Dixon® for information

Storz Size	NST (NH) Female Swivel Thread	*6061-T6 Forged Alumium* Part #
4"	4"	***SFSA30-4040F***
	5"	***SFSA30-4050F***
	6"	***SFSA30-4060F***
5"	3"	***SFSA30-5030F***
	4"	***SFSA30-5040F***
	4½"	***SFSA30-5045F***
	6"	***SFSA30-5060F***

- Replacement washers can be found on page 798

SFSA30 - Storz x Female Swivel 30° Elbow - Long Handle



Features:
- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI** at **70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"

Storz Size	NST (NH) Female Swivel Thread	*6061-T6 Forged Alumium* Part #
4"	4½"	***SFSA30-4045F-LH***
	5"	***SFSA30-4050F-LH***
	6"	***SFSA30-4060F-LH***

- Replacement washers can be found on page 798

NCS-CSF - 150 lbs. Carbon Steel Flange x Storz



150# Flange	Storz	*Carbon Steel* Part #
4"	5"	***NCS-CSF-STZ450***
	6"	***NCS-CSF-STZ460***
5"	4"	***NCS-CSF-STZ540***
	5"	***NCS-CSF-STZ550***
	6"	***NCS-CSF-STZ560***
6"	4"	***NCS-CSF-STZ640***
	5"	***NCS-CSF-STZ650***
	6"	***NCS-CSF-STZ660***

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

NCS-CSF - 150 lbs. Carbon Steel Flange x Storz with Cap



150# Flange	Storz	*Carbon Steel* Part #
5"	6"	***NCS-CSF-STZ650C***
6"	6"	***NCS-CSF-STZ660C***

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

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SSA - Storz x Storz Adapter

Features:
- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI** at **70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"



Storz Size	Storz Size	*6061-T6 Forged Alumium* Part #
1½"	2" 2½"	***SSA1520*** ***SSA1525***
2"	2½" 3" 4"	***SSA2025*** ***SSA2030*** ***SSA2540***
4"	5" 6"	***SSA4050*** ***SSA4060***
5"	6"	***SSA5060***

SSA30 - Storz x Storz 30° Elbow Adapters

Features:
- anodized components per MIL-A-8625 Type III Class 1
- Buna-N gaskets
- working pressure: **150 PSI** at **70°F (21°C)**
- cast aluminum lock lever assembly on 4", 5" and 6"



Storz Size	Storz Size	*6061-T6 Forged Alumium* Part #
5"	5"	***SSA30-550***

Dixon Storz Hydrant Conversion Adapters



Features:
- designed to adapt 4½" NH threads found on most hydrants to Storz connection
- secured to hydrant by 3 set screws positioned around the rim
- hydrant side: metal face to seal to gasketed face on hose
- reflective stripe around the rim for ease of night time location



Size	Part #
5" Storz x 41/2" NH (NST)	***SHA5045F***

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Storz Accessories

Threaded Storz Mounting Plates (Bracket)



Storz Size	*Anodized Aluminum* Part #
1½" - 2½"	***SMB1525***
4" - 5"	***SMB450***

Storz Caps

Features:
- 4", 5", 6" supplied with cables
- 1½", 2", 2½", 3" supplied with chains



Storz Size	*Aluminum* Part #
1½"	***SC150-NL***
2"	***SC200-NL***
2½"	***SC250-NL***
3"	***SC300-NL***
4"	***SC400-NL***
4" ABS	***SC400ABS*** [1]
5"	***SC500-NL***
5" ABS	***SC500ABS*** [1]
6"	***SC600-NL***

[1] ABS includes airbleeder/petcock

Storz Gaskets

Features:
- gasket faces should be kept free of sand, grit, etc. and lubricated with O-ring grease or silicone
- pressure seals have a flat face
- suction seals have a beaded face



pressure seal (black)



suction seal (grey)

Storz Size	*Buna-N* Pressure Part #	*Buna-N* Suction Part #
1½"	***SGS150-NL*** [1]	***SGS150-NL***
2"	***SGP200***	***SGS200-NL***
2½"	***SGP250***	***SGS250-NL***
3"	***SGP300***	***SGS300-NL***
4"	***SGP400***	***SGS400-NL***
5"	***SGP500***	***SGS500-NL***
6"	***SGS600-NL*** [1]	***SGS600-NL***

[1] gasket can be used for both pressure and suction service

Storz Locking Device



Description	Part #
metal locking device used on 4" and 5" Storz heads with spring, screw and washer	***LOCKINGDEVICE***
metal locking device used on 6" Storz heads with spring, screw and washer	***LOCKINGDEVICE6***

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Wrenches

Universal Spanner

Features:
- for ¾" to 3" pin lug and rocker lug couplings
- includes gas cock shutoff, pry bar and belt hook eye
- overall length 11⅞"



Aluminum Part #	Pkg Qty
USW	25

Universal

Features:
- for pin lug or rocker lug couplings 1" - 4½"
- a gas cock shutoff is provided in the handle
- red epoxy painted
- overall length 11¾"



Iron Part #
233

Hole Type Spanner

Features:
- designed for use on ¾" and 1" booster hose couplings
- overall length is 7½"



AL-MAG 35 Part #
HTSW

Storz Hydrant

Features:
- fits 4" and 5" Storz
- ductile iron head
- knurled chrome plated handle
- manganese bronze adjustable jaw
- includes adjustable hydrant nut wrench



Part #
SAHW

Folding Pocket Spanner

Features:
- for pentagon nuts up to 1¾"
- built-in spanner for pin or rocker lug couplings
- overall length 16¼"


PSW


PSW-B


PSW-Z


PSW-Y

Material	Part #
aluminum	***PSW***
brass	***PSW-B***
die cast zinc	***PSW-Z***
yellow plastic	***PSW-Y***

Adjustable Hydrant

Features:
- fits ¾" to 3" rocker lug and pin lug couplings
- a compact wrench easily carried in your jacket pocket



Aluminum Part #	Pkg Qty
AHW	20

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Wrenches

Pigtail Adjustable Hydrant



Feature:
- double spanner head fits pin lug or rocker (sensible) lug couplings, pentagon nuts up to 1½" from point to flat, 1½" - 6" rocker lug caps, 2" - 4½" pin lug caps, and square nuts up to 1⅛"

Part #
AHWPT

Heavy Duty Adjustable Hydrant



Features:
- for pentagon hydrant nuts up to 1¾" from point to flat
- notched to fit 1¼" square hydrant nut
- spanner for pin lug and sensible (rocker) lug couplings, 1½" thru 6"
- plated iron head, ⅞" plated steel handle
- overall length 18"

Part #	Pkg Qty
189	15

Double Head Adjustable Hydrant



Features:
- for pentagon hydrant nuts up to 1⅞" and square heads up to 1½"
- fits ¾" - 6" rocker lug or pin lug couplings, can also be used for long handle couplings
- ductile iron head with a deeply knurled chrome plated steel handle
- replaceable adjustable jaw is made of manganese bronze
- overall length 19½"

Part #
189DH

5 Hole Hydrant



Features:
- 5 pentagon holes designed to fit common hydrant nut sizes
- built-in spanner for pin or rocker lug couplings
- overall length: 14¼"

Plated Iron Part #	Pkg Qty
PHW	25

Grip-All Spanner



Features:
- fits ¾" - 6" split lug, rocker lug and pin lug couplings
- can be operated in tight quarters
- gas cock shutoff is provided in the handle, handle is shaped to fit your hand allowing a positive grip on the coupling

Aluminum Part #
GAW

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Wrenches

Hydrant

Application:
- used for hydrant work by water works companies and on construction sites

Features:
- overal length 15"
- fits up to 4" pin lug or rocker lug couplings
- complete with pry bar
- 1¼" square hydrant wrench



A356 Aluminum
Part #
DF16-180

Features:
- fits up to 2½" pin lug or rocker lug couplings
- complete with pry bar and 1¼" nut wrench
- lug / drum wrench



A356 Aluminum
Part #
DF16-181

Long Handle Suction Spanner

Features:
- use on long handle, rocker lug, or pin lug couplings from 2½" - 6"
- open end slips over long handles for additional leverage, the claw fits rocker lugs or pin lugs, the other end can be used as a pry or crowbar
- inverted "T" body construction for lighter weight and improved strength
- can be used on Dixon® cam and groove pin lug or trapezoidal lug tank car adapters or 8" pin lug couplings
- overall length 18¾"



Plated Iron
Part #
LHW

Forestry Hose Clamp and Spanner

Features:
- material: cast aluminum and brass
- off-set handle enables the user to easily operate the clamp while wearing gloves
- to be used with lightweight 1" and 1½" hoses for pressures up to 200 PSI
- when clamped onto the hose the brass locking device safely holds the clamp in position, a spanner is an integral part of the clamp
- overall length 10"





Cast Aluminum
Part #
FHCS150

Forestry Pocket Spanners

Features:
- FSW1: for use on 1" hoses only
- FSW2: for 1" and 1½" hose couplings
- overall length 5"
- meets USFDA specification 5100-101C



Aluminum
Part #
FSW1
FSW2

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Storz Wrenches

Pin Lug Spanner - Single End



Size	*Plated Iron* Part #
2"	***SW20***
2½"	***SW25***
3"	***SW30***
4"	***SW40***
6"	***SW60***

Pin Lug Spanner - Double End



Size	*Plated Iron* Part #
1½", 2" x 2½", 3"	***SW153***

Spanner - Single End



SZW2



SW1530

Features:
- SW1530 fits 1½" - 3" Storz
- SZW2 for use on 4" and 6" Storz

Size	*AL-MAG 35* Part #
1½" - 3"	***SW1530***
4" - 6"	***SZW2***

Spanner -Double End



SZW2-NL



SW-S400

Used On	Material	Part #
2" - 5"	*aluminum*	***SZW2-NL***
2" - 5"	*steel*	***SW-S400***

Holder with (2) Wrenches - Double Ended



Description	Material	Part #
2 Storz wrenches (2½" - 5") with bracket	*aluminum*	***SWB-2***
2 Storz wrenches (2½" - 5") with bracket	*steel*	***SWB-S-2***
4 Storz wrenches (2½" - 5") with bracket	*steel*	***SWB-S-4***

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Long Handle Short Shank Suction Hose Females

Features:
- powder coated aluminum swivel nut
- for suction and low pressure discharge only



Female Swivel NST (NH)	Hose Size	*Powder Coated Aluminum* Part #
4"	4"	***LHFS400F***
4½"	4"	***LHFS4045F***

Angle and Suction Elbows

Features:
- for use on pump discharge valves, or suction inlets to minimize hose kinking
- rocker lug swivel
- satin brass finish
- -C polished chrome plated



30° elbow



45° elbow

Male NST (NH) Thread	Female NST (NH) Thread	Angle	*Brass* Part #
2½"	2½"	30°	***RSE30250F-C***
		45°	***RSE45250F***
		45°	***RSE45250F-C***
		90°	***RSE90250F***
		90°	***RSE90250F-C***

Continuous Swivel Elbows

Features:
- allows hose to swing when connected
- full waterway reduces friction loss
- short style radius is 2½" measured from the center of the waterway to the end of the discharge thread



Female NPT Thread	Male Thread	Length	*Cast Brass* Part #
1½"	1½" NST (NH)	2½"	***CSES150F***
2"	1½" NST (NH)	2½"	***CSES2015F***
1½"	1½" NPT	2½"	***CSES150T***

Dixon® Angle and Suction Elbows N54

Features:
- ideal for fire apparatus with front suction connections
- anodized, powder coated aluminum, extruded
- anodized female swivel connections



90° elbow

Male NST (NH) Thread	Female NST (NH) Swivel Thread	Angle	*Aluminum* Part #
2½"	2½"	30°	***N5430-25F25F***
		45°	***N5445-25F25F***
		60°	***N5460-25F25F***
		90°	***N5490-25F25F***

• Replacement washers can be found on page 785

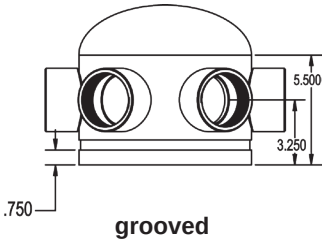
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Pump Test Headers



flanged





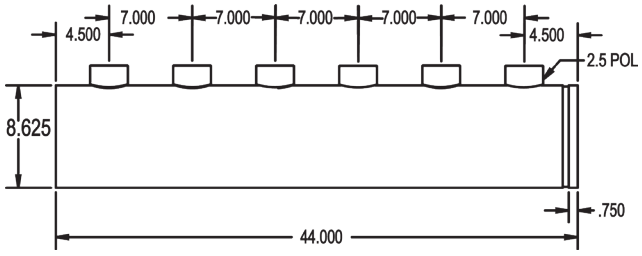
grooved

Features:
- available connections: grooved, flanged and threaded
- certified D1, G1, G6
- other sizes, configurations available, consult Dixon® for information

End Connection	End Size	# of Outlets	Pump Size Max. GPM	Part #
150# flanged	3"	1	300	***HVF0301-25***
	4"	2	500	***HVF0402-25***
	6"	3	750	***HVF0603-25***
	6"	4	1000	***HVF0604-25***
	6"	6	1000	***HVF0606-25***
	8"	6	2000	***HVF0806-25***
grooved	6"	3	750	***HVG0603-25***
	6"	4	1000	***HVG0604-25***
	8"	3	750	***HVG0803-25***
	8"	6	2000	***HVG0806-25***

Manifolds





Model Number Breakdown

T98060-30

End Connection
Location
End Size
of Outlets
Size Outlets

End Connection		Location		End Size		# of Outlets		Outlet Size	
T	threaded	E	End	40	4"	20	2	25	2½" FNPT
G	grooved	B	Back	60	6"	30	3	30	3" FNPT
F	flanged	9	90°	80	8"	40	4	---	---
---	---	---	---	---	---	60	6	---	---

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Two Way Male Outlet - Roof Connections

Features:

- Used to create roof connections, fire pump test connections, wall hydrants or sidewalk (free standing) hydrants
- provides 250 GPM minimum per outlet
- UL listed
- maximum operating pressure: **175 PSI** at **70°F (21°C)**
- other configurations are available, contact Dixon® for additional information

back outlet

Pipe Size	(2) Outlets Male	*Cast Brass* Part #
4"	2½" NPT	***IRC4025***
	2½" NPT	***FRC4025***
	2½" NST (NH)	***IRC4025F***
	2½" NST (NH)	***FRC4025F***
6"	2½" NPT	***FRC6025***
	2½" NST (NH)	***FRC6025F***

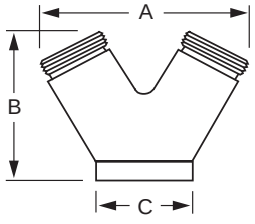


Groove Size	(2) Outlets Male	*Cast Brass* Part #
4"	2½" NST (NH)	***IRC4025GF***



Dimensions

Size	A	B	C
4" x 2½" x 2½"	7-7/8"	5-3/16"	5-1/4"
6" x 2½" x 2½"	8-3/16"	6-3/8"	7-5/8"



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Two Way Male Outlet - Roof Connections

Features:
- Used to create roof connections, fire pump test connections, wall hydrants or sidewalk (free standing) hydrants
- provides 250 GPM minimum per outlet
- UL listed
- maximum operating pressure: **175 PSI** at **70°F (21°C)**

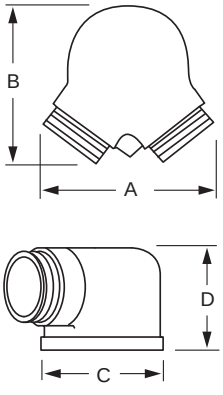
90˚ bottom outlet



Pipe Size	(2) Outlets Male	*Cast Brass* Part #
4"	2½" NPT 2½" NPT 2½" NST (NH) 2½" NST (NH)	***90IRC4025*** ***90FRC4025*** ***90IRC4025F*** ***90FRC4025F***
6"	2½" NPT 2½" NST (NH)	***90FRC6025*** ***90FRC6025F***



Groove Size	(2) Outlets Male	*Cast Brass* Part #
4"	2½" NPT 2½" NST(NH)	***90IRC4025G*** ***90IRC4025GF***



Dimensions

Size	A	B	C	D
4" x 2½" x 2½" 6" x 2½" x 2½"	7½" 9"	6¾" 8½"	5⅛" 7½"	4½" 5"

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Three Way Male Outlet - Roof Connections

Features:
- used to create roof connections, or fire pump test connections
- provides 250 GPM minimum per outlet

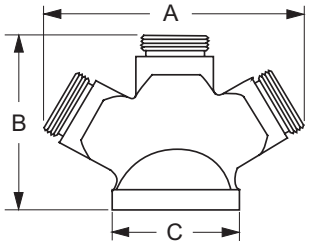
back outlet

Pipe Size	(3) Outlets Male	*Cast Brass* Part #
4"	2½" NPT	***FR3C4025***
6"	2½" NPT 2½" NST (NH)	***FR3C6025*** ***FR3C6025F***



Dimensions

Size	A	B	C
4" x 2½" x 2½" x 2½"	12¾"	8¾"	5¼"
6" x 2½" x 2½" x 2½"	15⅜"	9¾"	7⅝"



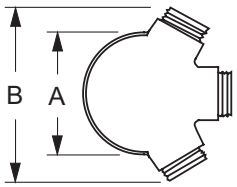
bottom outlet

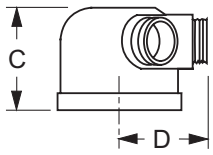
Pipe Size	(3) Outlets Male	*Cast Brass* Part #
4"	2½" NPT 2½" NST (NH)	***90FR3C4025*** ***90FR3C4025F***
6"	2½" NPT 2½" NST (NH)	***90FR3C6025*** ***90FR3C6025F***



Dimensions

Size	A	B	C	D
4" x 2½" x 2½" x 2½"	7¾"	11¾"	4-7/16"	6¼"
6" x 2½" x 2½" x 2½"	7¾"	11¾"	4-7/16"	6¼"





Sleeve for Sidewalk (free standing) Connections

Features:
- used in conjunction with a sidewalk escutcheon and a 90° double clapper Siamese to create a sidewalk (free standing) fire department connection
- finishes: -P polished, -C polished chrome plated

Pipe Size	Length	*Brass* Part #
4"	18"	***SS418-P***
	18"	***SS418-C***
	24"	***SS424-P***
	24"	***SS424-C***
6"	18"	***SS618-P***
	18"	***SS618-C***
	24"	***SS624-P***
	24"	***SS624-C***



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Single Clapper Siamese Connections

Features:
- single swing clapper with (2) pin lug swivel inlets
- provides 500 GPM minimum to supplement the fire protection as an auxiliary inlet connection to the water supply (250 GPM minimum per inlet)
- design provides unobstructed waterway
- exposed Fire Department Connections (FDC) provide an economical method of satisfying local fire codes
- branding: Auto-Spkr
- finishes: -P polished or -C polished chrome plated
- maximum operating pressure: **250 PSI** at **70°F (21°C)**
- replacement swivels can be ordered on page 792

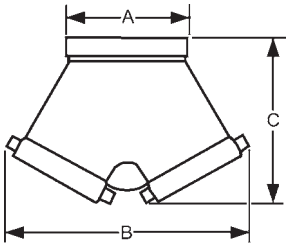
back outlet



Feature:
- UL listed and FM approved

Outlet Female NPT Thread	(2) Inlets Female Thread	*Cast Brass* Part #
4"	2½" NST (NH)	***SCS4025F***
4"	2½" NST (NH)	***ISCS4025F*** [1]

[1] imported



Dimensions

Size	A	B	C
4" x 2½" x 2½"	5⅛"	9"	6-1/16"

- dimensions match SCS4025F and SCS4025NYFD

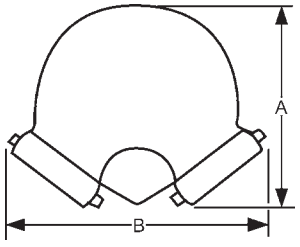
bottom outlet



Feature:
- UL listed

Outlet Female NPT Thread	(2) Inlets Female Thread	*Cast Brass* Part #
4"	2½" NST (NH)	***90SCS4025F***
4"	2½" NST (NH)	***90ISCS4025F*** [1]

[1] imported



Dimensions

Size	A	B
4" x 2½" x 2½"	6⅞"	9⅞"

- dimensions match 90SCS4025F, and 90SCS4025NYFD

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Double Clapper Siamese Connections

Features:

- double drop clapper with (2) pin lug swivel inlets provides required 500 GPM minimum to supplement the fire protection as an auxiliary inlet connection to the water supply (250 GPM minimum per inlet)
- exposed Fire Department Connections (FDC) provide an economical method of satisfying local fire codes
- maximum operating pressure: **175 PSI** at **70°F (21°C)**
- finish: -P polished or -C polished chrome plated
- UL listed and FM approved

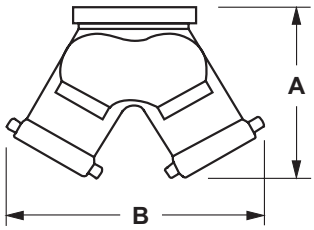
back outlet

Outlet Female NPT Thread	(2) Inlets Female Thread	Branding	*Cast Brass* Part #
4"	2½" NST(NH)	AutoSprinkler	***DCS4025F***
		AutoSprinkler	***DCS4025F-P***
		AutoSprinkler	***DCS4025F-C***
		StandPipe	***DCS4025F-SP***
		No Branding	***DCS4025F-NB***
	3" NST(NH)	AutoSprinkler	***DCS4030F***
	3" NYFD	AutoSprinkler	***DCS4030NYFD***
6"	2½" NST(NH)	AutoSprinkler	***DCS6025F***
	2½" NST(NH)	StandPipe	***DCS6025F-SP***



Dimensions

Size	A	B
4" x 2½" x 2½"	9⅝"	12¼"
6" x 2½" x 2½"	10¼"	11¾"
4" x 3" x 3"	10"	12½"
6" x 3" x 3"	10⅜"	12½"



bottom outlet

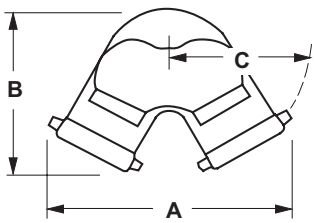
Outlet Female NPT Thread	(2) Inlets Female Thread	Branding	*Cast Brass* Part #
4"	2½" NST(NH)	AutoSprinkler	***90DCS4025F***
		AutoSprinkler	***90DCS4025F-P***
		AutoSprinkler	***90DCS4025F-C***
		StandPipe	***90DCS4025F-SP***
		No Branding	***90DCS4025F-NB***
	3" NST(NH)	AutoSprinkler	***90DCS4030F***
	3" NYFD	AutoSprinkler	***90DCS4030NYFD***
		StandPipe	***90DCS4030NYFDSP***
6"	2½" NST(NH)	AutoSprinkler	***90DCS6025F***
		StandPipe	***90DCS6025F-SP***
	3" NYFD	AutoSprinkler	***90DCS6030NYFD***



polished

Dimensions

Size	A	B	C
4" x 2½" x 2½"	11¾"	9⅝"	7¼"
6" x 2½" x 2½"	11¾"	10¾"	7¼"
4" x 3" x 3"	12½"	10⅛"	7½"
6" x 3" x 3"	12¼"	10⅞"	7¼"



- special threads, branding and finishes are available, consult Dixon® for information
- replacement swivels can be ordered on page 792

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Triple Clapper Siamese Connections

Features:
- branding: see below
- finishes: -P polished or -C polished chrome plated
- maximum operating pressure: **175 PSI** at **70°F (21°C)**

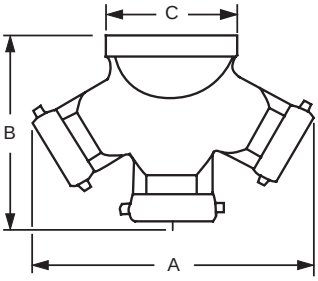
back outlet



polished

Outlet Female NPT Thread	(3) Inlets Female NST (NH) Thread	Branding	*Cast Brass* Part #
4"	2½"	AutoSprinkler StandPipe No Branding	***TCS4025F*** ***TCS4025F-SP*** ***TCS4025F-NB***
6"	2½"	AutoSprinkler StandPipe No Branding	***TCS6025F*** ***TCS6025F-SP*** ***TCS6025F-NB***

Dimensions



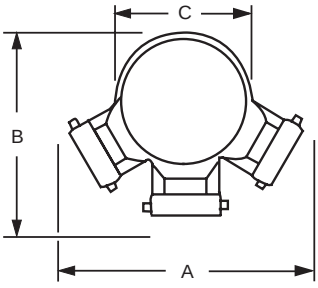
Size	A	B	C
4" x 2½" x 2½" x 2½"	13¾"	10½"	5"
6" x 2½" x 2½" x 2½"	13¾"	10½"	7½"

bottom outlet



Outlet Female NPT Thread	(3) Inlets Female NST (NH) Thread	Branding	*Cast Brass* Part #
4"	2½"	AutoSprinkler No Branding	***90TCS4025F*** ***90TCS4025F-NB***
6"	2½"	AutoSprinkler No Branding	***90TCS6025F*** ***90TCS6025F-NB***

Dimensions



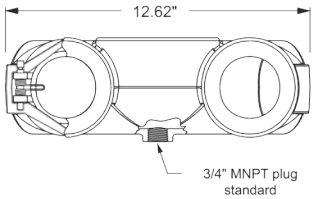
Size	A	B	C
4" x 2½" x 2½" x 2½"	14½"	11½"	7⅝"
6" x 2½" x 2½" x 2½"	14½"	11½"	7⅝"

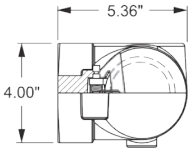
- special threads, branding and finishes are available, consult Dixon® for information
- replacement swivels can be ordered on page 792

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Reversible Concealed Angle Siamese Body







Features:
- fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- UL listed
- approved by New York City Board of Standards and Appeals
- maximum operating pressure: **250 PSI** at **70°F (21°C)**
- bodies require wall plate ***WP2*** see page 814

Outlet Female NPT Thread	(2) Inlets Female NPT Thread	*Brass* Part #
4"	2½"	***4025REV90***
4"	3"	***4030REV90***

Reversible Concealed Angle Siamese Body

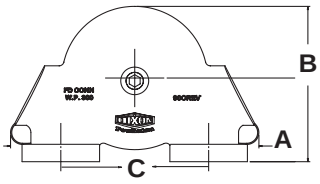


Features:
- fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- replaces 23-391 bodies
- maximum operating pressure: **250 PSI** at **70°F (21°C)**

Outlet Female NPT Thread	(2) Inlets Female NPT Thread	*Brass* Part #
5"	2½"	***90CREV5025***
5"	3"	***90CREV5030***
6"	2½"	***90CREV6025***
6"	3"	***90CREV6030***

Dimensions

Size	A	B	C
5" x 3" x 3"	12"	9½"	7⅝"
6" x 2½" x 2½"	12"	7¼"	7⅝"
6" x 3" x 3"	12"	9½"	7⅝"



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Concealed Two - Way Wall Hydrant Body

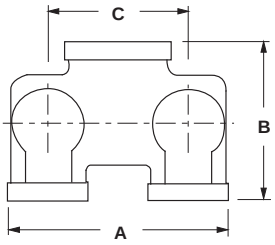
Features:
- provides 500 GPM minimums at 250 GPM per inlet (ref NFPA 14)
- drop clappers provide unobstructed waterway
- flush design is desirable when appearance is a factor
- UL listed
- double clapper
- 7⅝" center-line
- bodies require wall plate ***WP2*** (24-385), see page 814

back outlet



Outlet Female NPT Thread	(2) Inlets Female NPT Thread	*Brass* Part #
4"	2½"	***CDMHCB40225***
4"	3"	***CDMHCB40230***
5"	3"	***CDMHCB50230***
6"	2½"	***CDMHCB60225***
6"	3"	***CDMHCB60230***

Dimensions



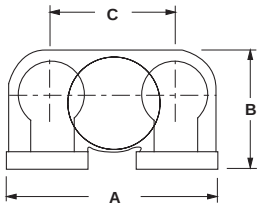
Size	A	B	C
4" x 2½" x 2½"	11-1/8"	6"	7⅝"
4" x 3" x 3"	12-1/4"	8-1/8"	7⅝"
5" x 3" x 3"	11-13/16"	7-5/16"	7⅝"
6" x 2½" x 2½"	11-1/8"	7-3/8"	7⅝"
6" x 3" x 3"	12-1/4"	8-1/4"	7⅝"

bottom outlet



Outlet Female NPT Thread	(2) Inlets Female NPT Thread	*Brass* Part #
5"	3"	***90CDMHCB50230***
6"	2½"	***90CDMHCB60225***
6"	3"	***90CDMHCB60230***

Dimensions



Size	A	B	C
5" x 3" x 3"	12"	9½"	7⅝"
6" x 2½" x 2½"	12"	7¼"	7⅝"
6" x 3" x 3"	12"	9½"	7⅝"

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Spring Check Type Snoots - Pin Lug

Features:
- finishes: -P polished, -C polished chrome plated
- other configurations are also available, consult Dixon® for information
- maximum operating pressure: **175 PSI** at **70°F (21°C)**

female outlet

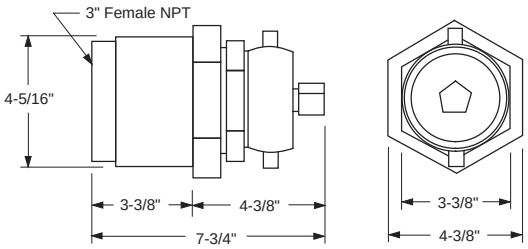
Features:
- female NPT rigid with hexagon by female hose thread to swivel
- connections are attached to the bodies with pipe nipples (not included)

Outlet Female NPT Thread	Inlet Female NST (NH) Thread	*Cast Brass* Part #
3"	2½"	***CSSTF25F30T-P***
3"	2½"	***CSSTF25F30T-C***
3"	3"	***CSSTF30F30T-P***



polished chrome plated

Dimensions



male outlet

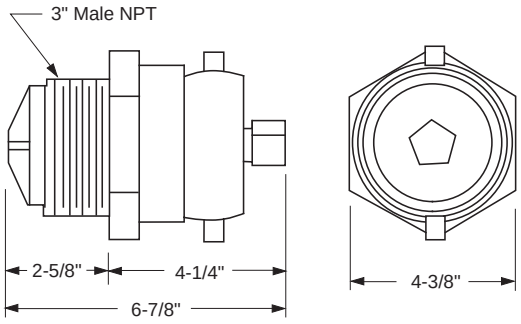
Features:
- finishes: -P polished, -C polished chrome plated
- male NPT x 2½" female hose thread to swivel
- used when a direct connection to bodies is desired

Outlet Male NPT Thread	Inlet Female NST (NH) Thread	*Cast Brass* Part #
3"	2½"	***CSSTM25F30T-P***
	2½"	***CSSTM25F30T-C***
	3"	***CSSTM30F30T-P***
	3"	***CSSTM30F30T-C***



polished

Dimensions



- Under no circumstances should a check snoot be installed directly into a pipe, as this may prevent the snoot from opening. Install directly into the appropriate standpipe body only.

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Clapper Type Snoots - Pin Lug


polished chrome plated


polished

Features:
- finishes: -P polished, -C polished chrome plated
- other sizes and threads are available, consult Dixon® for information

Outlet Female NPT Thread	Inlet Female NST (NH) Thread	*Cast Brass* Part #
3"	2½"	***CSCTF25F30T-P***
3"	2½"	***CSCTF25F30T-C***

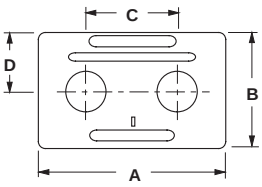
Outlet Male NPT	Inlet Female NST (NH)	*Cast Brass* Part #
3"	2½"	***CSCTM25F30T-P***
3"	2½"	***CSCTM25F30T-C***

Wall Plate for Double Clapper Siamese Assemblies



Features:
- finishes: -P polished, -C polished chrome plated
- 4-hole and 6-hole wall plates available, consult Dixon® for information

Hole Size	Branding	*Brass* Part #
3⅜"	AutoSprinkler	***WP2HAS-P***
	AutoSprinkler	***WP2HAS-C***
	StandPipe	***WP2HSP-P***
	StandPipe	***WP2HSP-C***
	AutoSprinkler StandPipe Combo	***WP2H-ASSP-P***
	AutoSprinkler StandPipe Combo	***WP2H-ASSP-C***
	Hydrant	***WP2H-HY-P***
	PumpTest	***WP2H-PT-P***
	PumpTest	***WP2H-PT-C***



Dimensions

Hole Size	A	B	C	D
3⅜"	14"	8"	7⅝"	4-15/16"

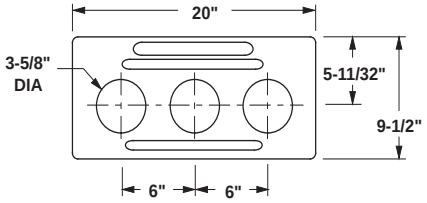
Wall Plate for Concealed Three Way Bodies



Features:
- finishes: -P polished, -C polished chrome plated
- 4-hole and 6-hole wall plates available, consult Dixon® for information

Hole Size	Positioned	Branding	*Brass* Part #
3⅝"	Horizontal	AutoSprinkler	***WP3HAS-P***
	Horizontal	AutoSprinkler	***WP3HAS-C***
	Horizontal	StandPipe	***WP3HSP-P***
	Horizontal	StandPipe	***WP3HSP-C***

Dimensions



LIBERTY EXHIBIT 1012, Page 816
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Double Clapper Concealed Type Siamese Assemblies

Features:

- fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- branded: 'standpipe', 'auto-spkr', 'auto-spkr.-standpipe'
- finishes: -P polished or -C polished chrome plated
- maximum operating pressure: **250 PSI**
- complete unit consisting of the following six parts: (1) 4025REV90, or 4030REV90, or 90CREV6025, (1) 24-385 plate, (2) 23-270 double female connections, (2) 17-127 plugs with chains



Outlet Female NPT Thread	(2) Inlets Female NST (NH) Thread	Branding	*Cast Brass* Part #
4"	2½"	AutoSprinkler	***2WCA4025F-P***
4"	2½"	StandPipe	***2WCA4025F-SP-P***
4"	2½"	AutoSprinkler	***2WCA4025F-C***
4"	2½"	StandPipe	***2WCA4025F-SP-C***
4"	3"	AutoSprinkler	***2WCA4030F-P***
6"	2½"	AutoSprinkler	***2WCA6025F-P***
6"	2½"	StandPipe	***2WCA6025F-SP-P***
6"	2½"	AutoSprinkler	***2WCA6025F-C***
6"	2½"	StandPipe	***2WCA6025F-SP-C***



- other branding and finishes are also available, consult Dixon® for information

Two Way Sidewalk Siamese Assemblies

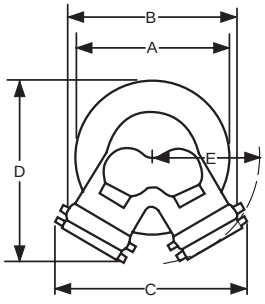


Features:

- UL listed, FM approved
- finishes: -P polished or -C polished chrome plated
- complete unit consists of: (1) 21-133 90° Siamese body, double clapper, (2) 17-127 pin lug plugs with chains, (1) 23-404 sleeve, (1) 24-405 escutcheon plate

Outlet Female NPT Thread	(2) Inlets Female Thread	*Cast Brass* Part #
4"	2½"	***2WSA4025F***
4"	2½"	***2WSA4025F-SP***
6"	2½"	***2WSA6025F***
6"	2½"	***2WSA6025F-SP***

Dimensions



Size	A	B	C	E	F
4" x 2½" x 2½"	9¼"	10⅜"	10¾"	10⅜"	6⅝"
6" x 2½" x 2½"	11¼"	10½"	11¾"	13"	7¼"

Note: some components UL listed/FM approved, not entire assembly

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Single Inlet Residential Sprinkler Connection



Application:
- complete single inlet connection (exposed type) used on residential automatic sprinkler systems

Features:
- complete unit consists of: (1) 17-127 1½" pin lug plug with chain and (1) 24-209 4-7/16" OD round escutcheon plate with swivel

Inlet Female NST (NH) Thread	Outlet Female NPT Thread	*Cast Brass* Part #
1½"	1½"	***RIC150F***

Single Inlet Connections



Features:
- provides a complete exposed single inlet connection
- finish: -P polished or -C polished chrome plated
- complete unit consists of: (1) 24-209 round plate branded Auto Sprinkler, (1) 23-270 double female or 09-215 male and female connection, (1) 17-127 pin lug plug with chain
- rigid hexagon end of either connection is 2½" NPT
- swivel end

Inlet Female NST (NH) Thread	Outlet Female NPT Thread	*Brass* Part #
2½"	2½"	***SIC250F***
2½"	2½"	***SIC250F-P***
2½"	2½"	***SIC250F-C***

Single Hydrant Connection



Features:
- finish: -P polished or -C polished chrome plated
- complete unit consists of: (1) 24-209 round plate branded 'Wall Hydrant', (1) 23-272: 2½" female and male connection, (1) 17-126 cap with chain

Inlet Female NPT Thread	Outlet Male NST (NH) Thread	*Cast Brass* Part #
2½"	2½"	***MOCA250F***

Exposed Two Way Wall Hydrants



Features:
- finish: -P polished or -C polished chrome plated
- DMOCA40225F consists of: (1) REP400HY round plate branded 'Wall Hydrant', (1) FRC4025F: 2½" female and male connection, (2) FC250F cap with chain
- DMOCA60225F consists of: (1) REP600HY round plate branded 'Wall Hydrant' (1) FRC6025F: 2½" female and male connection, (2) FC250F cap with chain

Inlet Female NPT Thread	(2) Outlets Male NST (NH) Thread	*Cast Brass* Part #
4"	2½"	***DMOCA40225F***
6"	2½"	***DMOCA60225F***

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Round **Identification Plates**

Features:
- used to trim out and identify exposed fire department connections
- for Siamese, made in 9¼" diameter for 4" pipe and 11¼" diameter for 6" pipe
- finishes: -P polished, -C polished chrome plated

Pipe Size	Branding	*Cast Brass* Part #
2½"	Auto-Sprinkler	***REP250AS***
	Auto-Sprinkler	***REP250AS-P***
	Auto-Sprinkler	***REP250AS-C***
	Wall Hydrant	***REP250HY***
	Pump Test	***REP250PT***
	Standpipe	***REP250SP***
	Standpipe	***REP250SP-P***
	Standpipe	***REP250SP-C***
4"	Auto-Sprinkler	***AREP400AS*** [1]
	Auto-Sprinkler	***REP400AS***
	Auto-Sprinkler	***REP400AS-P***
	Auto-Sprinkler	***REP400AS-C***
	Wall Hydrant	***REP400HY***
	Standpipe	***REP400SP***
	Standpipe	***REP400SP-P***
	Standpipe	***REP400SP-C***
	Auto-Sprinkler & Standpipe	***REP400AS/SP***
6"	Auto-Sprinkler	***REP600AS***
	Auto-Sprinkler	***REP600AS-P***
	Auto-Sprinkler	***REP600AS-C***
	Standpipe	***REP600SP***
	Standpipe	***REP600SP-P***
	Standpipe	***REP600SP-C***

[1] aluminum



REP250AS-C



REP250AS-P



REP400AS



Dimensions

Size	OD	Hole Size
2½"	7⅝"	3¼"
4"	9¼"	4⅝"
6"	11¼"	6¾"

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British Instantaneous Fittings

Features:
- polished finish
- meets BS336 specifications

Female x female threads



Female BRIT Thread	Female Thread	*Brass* Part #
2½"	2½" NST (NH) 2½" NPT	***BID250F*** ***BID250T***

Female x male threads



Female BRIT Thread	Male Thread	*Brass* Part #
2½"	2½" NST (NH) 2½" NPT	***BIB250F*** ***BIB250T***

Male x female threads



Male BRIT Thread	Female Thread	*Brass* Part #
2½"	2½" NST (NH) 2½" NPT	***BIA250F*** ***BIA250T***

Male x male threads



Male BRIT Thread	Male Thread	*Brass* Part #
2½"	2½" NST (NH) 2½" NPT	***BIF250F*** ***BIF250T***

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British Instantaneous Fittings

Hose Shanks



BIE150



BIC150

Size	*Brass* Part #
2½" male BRIT x 1½" hose shank	***BIE150***
2½" male BRIT x 2½" hose shank	***BIE250***
2½" female BRIT x 1½" hose shank	***BIC150***
2½" female BRIT x 2½" hose shank	***BIC250***

Plug



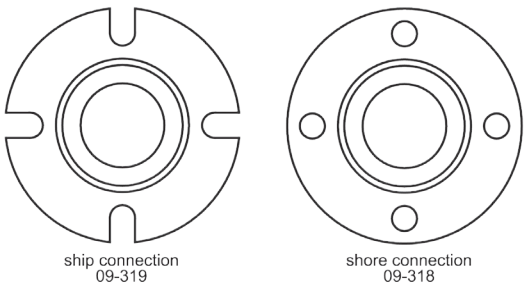
Size	*Brass* Part #
2½"	***BIDP250***

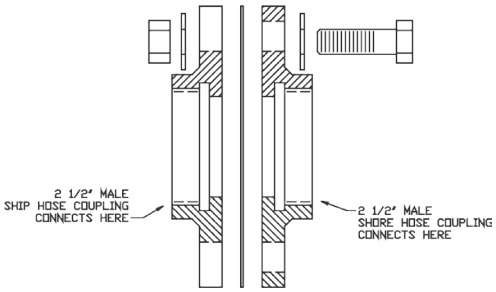
Cap



Size	*Brass* Part #
2½"	***BIDC250***

International Shore Connections





Features:

- meets US Coast Guard specifications for vessels 1000 gross tons or more
- makes possible the connection of two different threads between ship and shore or between ships
- 7" OD brass flange with 4¾" holes
- includes 8 washers, 4 hexagon brass nuts, 4 hex head bolts, 1 washer, 1 fiber gasket
- working pressure: **300 PSI**
- NST (NH) threads standard, also available in NPT and NYFD threads



shore side



ship side

Description	*Brass* Part #
shore side	***09-318-00001***
ship side	***09-319-00001***

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Pick Head Fire Axe



Features:
- red trim
- 36" hickory handle
- listed in the minimum requirements approval guides for outfitting hose houses and hose cabinets by insurance underwriters

Description	Part #
6 lb. axe	***PHFA6***
axe brackets	***PHFA-B-A***

Sprinkler Line Tester



Feature:
- installs on the last sprinkler head on system branch lines and controls water flow for flushing or testing the system

Inlet	Outlet	*Brass* Part #
1" female NPT	1" male NPSH	***SLT10050***

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Domestic Cast Angle Valves

Features:
- UL listed and FM approved
- aluminum hand wheel
- working pressure: **300 PSI** at **70°F (21°C)**

Female x Male

Inlet Female NPT	Outlet Male Thread	*Cast Brass* Part #
1½"	1½" NST (NH)	***AV150***
	1½" NPSH	***AV150S***
	1½" NPT	***AV150T***
2½"	2½" NST (NH)	***AV250***
	2½" NYFD	***AV250NYFD*** [1]



[1] supplied with red hand wheel

Female x Female

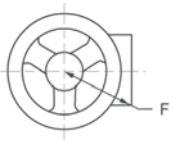
Inlet Female NPT	Outlet Female NPT	*Cast Brass* Part #
1½"	1½"	***AVF150***
2½"	2½"	***AVF250***



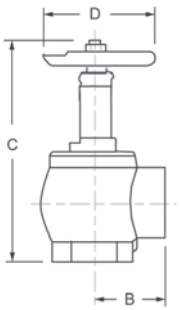
Replacement Parts

Description	Part #
aluminum handwheel for 1½" valve	***AV150-W***
aluminum handwheel for 2½" valve	***AV250-W***
handwheel nut for 1½" valve	***AV150-N***
handwheel nut for 2½" valve	***AV250-N***
valve seal rubber for 1½" valve	***AV150-RBR***
valve seal rubber for 2½" valve	***AV250-RBR***

Dimensions



Size	A	B	C closed	C open	D	F
1½"	2-11/64"	2-7/32"	6⅝"	7-21/32"	3¾"	2-13/16"
2½"	3-3/16"	3-3/16"	9¼"	11"	5"	3-19/32"



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Grooved Angle Valves



Application:
- commercial fire protection

Features:
- made in the USA
- easy for contractor to install
- groove inlet
- Buna-N gasket
- working pressure: **300 PSI** at **70°F (21°C)**
- UL listed, FM approved, ULC approved

Description	*Cast Brass* Part #
groove x male	***AVG250F***
groove x groove	***AVG250G***
groove x female	***AVGF250***

500# Angle Hose Valves

Applications:
- fire department, gravity and pressure tank connections, test connections, and public water supplies to sprinkler and standpipe systems where it is necessary to access the system for a fire hose connection

Features:
- designed and approved to manage 500 PSI pressures in piping systems
- red handwheel
- FM approved
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- maximum operating pressure: **500 PSI** at **70°F (21°C)**

Female x Male



Inlet Female NPT	Outlet Male Thread	*Cast Brass* Part #
2½"	2½" NST (NH)	***AV5-250F***
2½"	2½" NYFD	***AV5-250NYFD***

Female x Female



Inlet Female NPT	Outlet Female NPT	*Cast Brass* Part #
2½"	2½"	***AVF5-250***

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Global Cast Angle Valves

Features:
- NPT inlet thread only
- aluminum handwheel
- working pressure: **300 PSI** at **70°F (21°C)**
- UL listed and FM approved
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- available finishes:
  cast (standard)
  polished: -P
  chrome: -C
  minimum quantity for special thread, consult Dixon®

Female Inlet



Inlet Female NPT	Outlet Male Thread	*Cast Yellow DZR Brass* Part #
1½"	1½" male NST (NH)	***AV150-I***
2½"	2½" male NST (NH)	***AV250-I***
2½"	2½" MNYFD	***AV250NYFD-I***

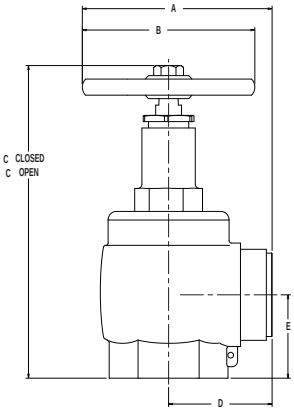
Double Female

Features:
- NPT inlet and outlet
- aluminum handwheel
- working pressure: **300 PSI** at **70°F (21°C)**
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- available finish:
  cast (standard)
  polished = -P
  chrome = -C



Inlet Female NPT	Outlet Female NPT	*Cast Yellow DZR Brass* Part #
1½"	1½"	***AVF150-I***
2½"	2½"	***AVF250-I***

Dimensions



Size	A	B	C closed	C open	D	E	Wt. in Lbs.
1½"	4.13"	3.75"	6.80"	7.78"	2.25"	1.81"	4.4
2½"	5.69"	5.00"	9.00"	10.72"	3.19"	2.59"	9.5

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Global Forged Angle Hose Valves

Features:
- to be used with a fire hose rack assembly, or as a fire department outlet connection
- UL listed and FM approved
- red steel handwheel
- maximum operating pressure: **300 PSI** at **70°F (21°C)**
- polished or chrome plated parts with other outlet threads are also available, consult Dixon® for information

Female x Male



Inlet Female NPT	Outlet Male Thread	*Forged Brass* Part #
1½"	1½" NST (NH)	***AV151***
2½"	2½" NST (NH)	***AV251***
	2½" NYC	***AV251NYC***
	2½" NYFD	***AV251NYFD***

Female x Female



Inlet Female NPT	Outlet Female NPT	*Forged Brass* Part #
1½"	1½"	***AVF151***
2½"	2½"	***AVF251***

Replacement Parts


handwheel nut


valve seal

Description	Part #
handwheel for 1½" valve	***AV151-WR***
handwheel for 2½" valve	***AV251-WR***
handwheel nut for 1½" and 2½" valve	***AV251-N***
valve seal rubber for 1½" valve	***AV151-RBR***
valve seal rubber for 2½" valve	***AV251-RBR***

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Non-rising Stem Wedge Disc Gate Valves

FM

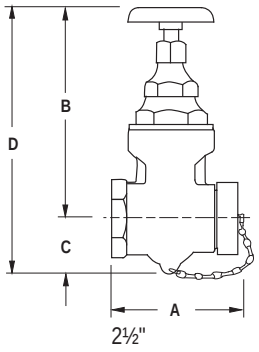


Features:
- red iron handwheel, with brass cap and chain
- cap not included on the NYFD threaded valve and special threaded valves
- solid wedge disc with tapered seats
- 2½" UL listed and FM approved
- FM approved
- working pressure: **300 PSI** at **70°F (21°C)**
- other configurations are available, contact Dixon® for additional information

Inlet Female NPT	Outlet Male Thread	UL Listed	*Cast Brass* Part #
1½"	1½" NST (NH)	no	***WDGV150F***
2½"	2½" NST (NH)	yes	***WDGV250F***
2½"	2½" NYFD	yes	***WDGV250NYFD***

Dimensions

Size	A	B	C	D
1½"	3-49/64"	5⅝"	1⅛"	6⅜"
2½"	6"	10¾"	2½"	13¼"



Global Non-rising Stem Wedge Disc Gate Valves

UL FM

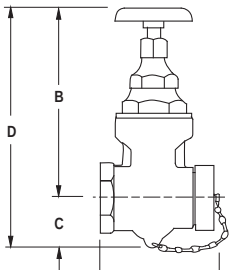
Features:
- working pressure: **300 PSI** (2069 kPa)
- custom male thread available
- UL listed and FM approved
- non-rising stem
- cast brass with solid wedge disc and tapered seats
- red iron wheel handle with cap and chain (cap not supplied on non-standard threads)
- alloy = DZR brass
- furnished with 2½" NST brass cap and chain
- available finishes:
  - cast (standard)
  - polished trim - P
  - cast chrome - RC
  - polished chrome trim - C



Inlet Female NPT	Outlet Male NST	UL Listed	*Cast DZR Brass* Part #
2½"	2½"	yes	***GWDGV250F***

Dimensions

Size	A	B	C	D
2½"	5"	7¾"	2½"	10"



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Non-rising Stem Wedge Disc Gate Valves



Applications:
- for use on standpipes, fire pumps and hydrants

Features:
- satin finish
- red handwheel
- solid wedge disc with tapered seats
- straightway pattern
- UL listed and FM approved
- working pressure: **300 PSI** at **70°F (21°C)**

Inlet Female NPT	Outlet Male NST (NH)	*Forged Brass* Part #
2½"	2½"	***WDGV251F***
3"	2½"	***WDGV3025F***

Rising Stem Wedge Disc Gate Valves

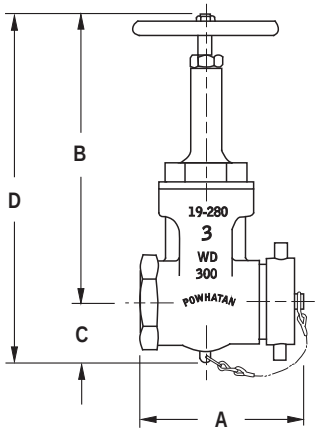


Features:
- red iron handwheel, with brass cap and chain
- solid wedge disc with tapered seats
- not recommended for wet standpipe systems, use AV250 (18-157) for this purpose, see page 821
- other configurations are available, contact Dixon® for additional information

Inlet Female NPT	Outlet Male	Working Pressure PSI	*Cast Brass* Part #
2½"	2½" NST (NH)	**200**	***RWDGV250F***
3"	2½" NST (NH)	**300**	***RWDGV3025F*** [1]

[1] UL listed

Dimensions



Size	A	B closed	C	D closed	D open
2½"	6½"	11	2½"	13½"	16¼"
3" x 2½"	6-3/16"	11	2½"	13½"	16¼"

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Single Hydrant Gate Valves with Hand Wheel

Application:
- used to throttle the flow from a fire hydrant preventing damage to the hydrant

Features:
- O-ring seal
- UL listed
- for use on standpipes and fire pumps where UL listing is required
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- other configurations are available, contact Dixon® for additional information



Inlet Female	Outlet Male	*Cast Red Brass* Part #
2½" NST (NH)	2½" NST (NH)	***UHGV250F***
2½" NST (NH)	2½" NST (NH)	***UHGV250F-D***

Replacement Part

Description	Part #
handwheel	***UHGV250-W***



Single Hydrant Gate Valves with Speed Handle

Application:
- used to throttle the flow from a fire hydrant preventing damage to the hydrant

Features:
- pin lug swivel, non-rising stem, aluminum speed handle
- rubber seal
- for use on hydrants, standpipes, and fire pumps
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- other configurations are available, contact Dixon® for additional information



Inlet Female	Outlet Male	*Cast Red Brass* Part #
2½" NST (NH)	2½" NST (NH)	***HGV250F***
2½" NST (NH)	2½" NST (NH)	***HGV250F-D***
2½" NST (NH)	2½" NPSH	***HGV250***

Replacement Part

Description	*Aluminum* Part #
speed handle	***HGV250-H***



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Single Hydrant Gate Valves with Handwheel



Application:
- protects fire hydrants from damage that can occur if they are used for throttling

Features:
- pin lug swivel, non-rising stem, red handwheel
- metal to metal seal
- UL listed
- for use on hydrants, standpipes, and fire pumps
- maximum operating pressure: **300 PSI** (water only) at **70°F (21°C)**

Inlet Female	Outlet Male	*Forged Brass* Part #
2½" NST (NH)	2½" NST (NH)	***HGVW250F***



Replacement Part

Description	Part #
handwheel	***HGVW250-W***

Hydrant Gate Valves with Speed Handle



Features:
- protects fire hydrants from damage that can occur if they are used for throttling
- full 2½" waterway
- anodized throughout - minimum thickness 0.001"
- test pressure: **250 PSI**, working pressure: **100 PSI** at **70°F (21°C)**

Inlet Female Swivel	Outlet Male	*Aluminum Alloy, 356-T6* Part #
2½" NPSH	2½" NPSH	***AHGV250***
2½" NST (NH)	2½" NST (NH)	***AHGV250F***



handwheel and knob

Replacement Part

Description	Part #
handwheel and knob	***HGV-HDWHL***
knob only	***HGV-KNOB***

Global Hydrant Gate Valves with Speed Handle



Application:
- protects fire hydrants from damage that can occur if they are used for throttling

Features:
- pin lug swivel, non-rising stem, aluminum speed handle
- non-metalic seal
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

Inlet Female NST (NH)	Outlet Male NST (NH)	*Aluminum Alloy* Part #
2½"	2½"	***AHGV250F-I***



Replacement Part

Description	*Aluminum* Part #
speed handle	***AHGV250F-H***

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Large Diameter (LDH) Gate Valves

Application:
- used on the suction intake and discharge sides of a pumper or on a hydrant

Features:
- 30° elbow needs only 8 easy turns to open and close
- non-rising stem, with an air bleed off
- finish anodized throughout - minimum thickness 0.001"
- maximum operating pressure: **280 PSI** at **70°F (21°C)**, without relief valve
- 4½" minimum waterway

Storz x Storz

Inlet Storz	Outlet Storz	Length	Width	Height	*Aluminum Alloy, 356-T6* Part #
4"	4"	9"	6¼"	19½"	***SGV440***
	5"	9"	7¾"	19½"	***SGV450***
5"	4"	9"	7¾"	19½"	***SGV540***
	5"	9"	7¾"	19½"	***SGV550***

- all measurements include handles



Storz x Storz 30° with Air Bleeder

Inlet Storz	Outlet Storz	Length	Width	Height	*Aluminum Alloy, 356-T6* Part #
4"	4"	9"	6¼"	20.0"	***SGV30-440***
	5"	9"	7¾"	20.0"	***SGV30-450***
5"	4"	9"	7¾"	20.0"	***SGV30-540***
	5"	9"	7¾"	20.0"	***SGV30-550***

- all measurements include handles



Storz x Female Swivel

Inlet Storz	Outlet Female NST Swivel	Length	Width	Height	*Aluminum Alloy, 356-T6* Part #
4"	4"	9"	6"	19½"	***FSGV440F***
	4½"	9"	6½"	19½"	***FSGV445F***
	5"	9"	7"	19½"	***FSGV450F***
	6"	9"	8"	19½"	***FSGV460F***
5"	4"	9"	6"	19½"	***FSGV540F***
	4½"	9"	6½"	19½"	***FSGV545F***
	5"	9"	7"	19½"	***FSGV550F***
	6"	9"	8"	19½"	***FSGV560F***

- all measurements include handles



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Wharf Hydrants



Features:
- used to provide a fire department outlet connection
- pentagon nut at top of spindle discourages unauthorized use
- hydrostatically tested
- maximum operating pressure: **300 PSI** at **70°F (21°C)**

Inlet Female NPT	Outlet Male NST (NH)	Height Open	Height Closed	*Cast Brass* Part #
3"	2½"	16.38	14.25	***WHYD3025F***
4"	2½"	16.38	14.25	***WHYD4025F***
4"	4½"	18.13	15.63	***WHYD4045F***

Replacement Parts



hand wheel



pentagon hex nut

Description	Part #
optional hand wheel	***46-030-00025***
pentagon hex nut	***44-251-00006***

Forestry Grade ¼ Turn Ball Type Wye Valves



1" - 1½"



2½"

Features:
- cast aluminum swivel inlet, anodized body, hard-coated threads
- built to US Forest Service specifications
- 1" and 1½" for use up to **600 PSI** (water/AFFF only); 2½" for use up to **400 PSI** (water/AFFF only)

Female Thread	(2) Male Threads	*Cast Aluminum* Part #
1" NPSH	1" NPSH	***FWV10S10S***
1½" NPSH	1½" NPSH	***FWV15S15S***
1½" NST (NH)	1½" NST (NH)	***FWV15F15F***
2½" NST (NH)	1½" NST (NH)	***FWV25F15F***
2½" NST (NH)	2½" NST (NH)	***FWV25F25F***

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¼ Turn Ball Type Wye Valve

Features:
- rocker lug swivel
- operates easily under high pressure
- handles are not field replaceable
- seals on the ball are field adjustable and field replaceable
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**



Specification:
- meets NSN specifications # 4210-00-255-0234

Inlet Female	(2) Outlets Male	*Cast Brass* Part #
2½" NST (NH)	1½" NPSH	***S7337S***

Full Flow ¼ Turn Ball Type Wye Valves

Features:
- recommended for charged pre-connected hose lines
- pin lug swivel
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- other configurations are available, contact Dixon® for additional information



Inlet Female Swivel	(2) Outlets Male	*Cast Brass* Part #
1½" NPSH	1½" NPSH	***S7100-15S***
1½" NST (NH)	1½" NST (NH)	***S7100-15***
2½" NST (NH)	1½" NST (NH)	***S7100***

Leader Line ¼ Turn Ball Type Wye Valve

Features:
- body painted red with chrome trim
- maximum operating pressure: **400 PSI** (water only) at **70°F (21°C)**



Inlet Female NST (NH)	(2) Outlets Male NST (NH)	*Brass* Part #
2½"	1½"	***LLBV2515F***

¼ Turn Plug Type Wye Valves

Features:
- pin lug swivel
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- not recommended for charged pre-connected hose ⚠



Inlet Female NST (NH)	(2) Outlets Male	*Cast Brass* Part #
2½"	1½" NST (NH)	***S6175***
2½"	1½" NPSH	***S6175S***

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2-Way Ball Valves



1½"



2½"



3" - 6"

Inlet Female Swivel	(2) Outlet Male	*Aluminum* Part #
1½" NST (NH)	1½" NST (NH)	***FMBV15F15F***
1½" NPSH	1½" NPSH	***FMBV15S15S***
2½" NST (NH)	1½" NST (NH)	***FMBV25F15F***
2½" NST (NH)	2½" NST (NH)	***FMBV25F25F***
4" NST (NH)	2½" NST (NH)	***FMBV40F25F***
4½" NST (NH)	2½" NST (NH)	***FMBV45F25F***

Plain Wyes with Pin Lugs



Features:

- divides one stream into two
- other configurations are available, contact Dixon® for additional information

Inlet Female	(2) Outlets Male	*Cast Brass* Part #
1½" NST (NH)	1½" NST (NH)	***PW15F15F***
1½" NPSH	1½" NPSH	***PW15S15S***
2½" NST (NH)	1½" NST (NH)	***PW25F15F***
2½" NST (NH)	2½" NST (NH)	***PW25F25F***

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Straight Globe Valves

Features:
- ideal for wet and combination systems
- used with a fire hose rack assembly, or as a fire department outlet connection
- aluminum handwheel
- maximum operating pressure: **300 PSI** at **70°F (21°C)**

Female x Male

Inlet Female NPT	Outlet Male NST (NH)	*Cast Brass* Part #
1½"	1½"	***SGV150F***
2½"	2½"	***SGV250F***



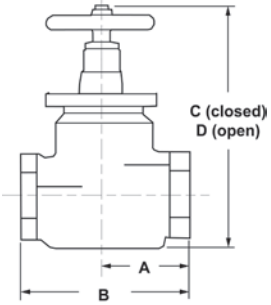
Female x Female

Inlet Female NPT	Outlet Female NPT	*Cast Brass* Part #
1½"	1½"	***SGVF150***
2½"	2½"	***SGVF250***



Dimensions

Size	A	B	C closed	D open
1½"	2⅜"	4¾"	7¼"	8"
2½"	3-9/32"	6-9/16"	7⅜"	8⅛"



Angled Ball Drip Valves

Features:
- seals automatically under pressure
- installed horizontally, the ball seats at approximately **8-10 PSI**
- working pressure: **175 PSI** at **70°F (21°C)**

Male NPT	Male NPT	*Brass* Part #
½"	½"	***ASBDV50***
¾"	¾"	***ASBDV75***



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Straight Ball Drip Valves

Application:
- designed to drain the low point of a system

Features:
- place valve between a fire department connection and a swing check valve
- seals automatically under pressure
- install horizontally
- working pressure: **175 PSI** at **70°F (21°C)**

Male NPT	Male NPT	*Brass* Part #
½"	½"	***SBDV50***
¾"	¾"	***SBDV75***



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Factory Set Pressure Reducing Brass Angle Valves

Features:
- true combination shut-off and pressure reducing valves
- 1½" reduces inlet pressure of 300 PSI (2069 kPa) or less to working pressures of **10** through **175 PSI** (69-1207 kPa); 2½" reduces inlet pressures of 400 PSI (2758 kPa) or less to working pressures of **20** through **175 PSI** (138-1207 kPa) under discharge or static conditions
- female x female valves have an open / closed indicator bonnet for confirmation of status
- tamper resistant and automatic
- available with a tamper proof switch
- all debris must be flushed from the system prior to being placed into service
- complete switch, bracket and housing available for field mounting, consult Dixon® for price and availability
- other configurations are available, contact Dixon® for additional information

Specifications:
- UL listed for Automatic Sprinkler Systems as floor or zone control valves
- Standpipe Systems, Class I, II and III
- Automatic Check Valve for Dual Riser Systems
- Approved by New York City Board of Standards and Appeals, approval # MEA 54-07-E
- Approved by City of Los Angeles and the City of San Francisco (ULC 2½")

Female x Male



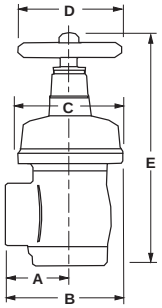
Inlet Female NPT	Outlet Male NST (NH)	*Cast Brass* Part #
1½"	1½"	***NAPRAV150F-15*** ***NAPRAV150F-20*** ***NAPRAV150F-25*** ***NAPRAV150F-30*** ***NAPRAV150F-35***
2½"	2½"	***NAPRAV250F-55*** ***NAPRAV250F-60*** ***NAPRAV250F-65*** ***NAPRAV250F-70*** ***NAPRAV250F-75*** ***NAPRAV250F-80***

Female x Female



Inlet Female NPT	Outlet Female NPT	*Cast Brass* Part #
1½"	1½"	***NAPRAVF150-15*** ***NAPRAVF150-20*** ***NAPRAVF150-25*** ***NAPRAVF150-30*** ***NAPRAVF150-50***
2½"	2½"	***NAPRAVF250-55*** ***NAPRAVF250-60*** ***NAPRAVF250-65*** ***NAPRAVF250-70*** ***NAPRAVF250-75*** ***NAPRAVF250-80***

Dimensions



Size	A	B	C	D	E closed	E open
1½"	2-7/32"	4-5/32"	3⅞"	3¾"	9-25/64"	8-53/64"
2½"	3-7/32"	6-3/32"	5¾"	5¾"	11⅜"	10-13/16"

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Factory Set Pressure Reducing Brass Standard Globe Valve

Female x Female

Inlet Female NPT	Outlet Female NPT	*Cast Brass* Part #
2½"	2½"	***NAPRVF250-55*** ***NAPRVF250-60*** ***NAPRVF250-65*** ***NAPRVF250-70*** ***NAPRVF250-75*** ***NAPRVF250-80***



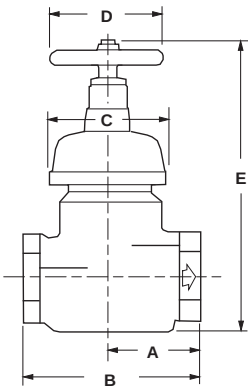
Grooved x Grooved

Inlet Grooved	Outlet Grooved	*Cast Brass* Part #
2½"	2½"	***NAPRVGT250-55*** ***NAPRVGT250-60*** ***NAPRVGT250-65*** ***NAPRVGT250-70*** ***NAPRVGT250-75***



Dimensions

Size	Style	A	B	C	D	E closed	E open
2½"	NPT grooved	3⅞"	7¾"	5¾"	5¾"	12¾"	12-13/16"
2½"		4⅜"	8¾"	5¾"	5¾"	12¾"	12-13/16"



Accessories

Description	Part #
2½" tamper switch bracket kit (bonnet, nut, switch, bracket)	***4201901587***
switch bracket only	***18-458-00017***
replacement handles for 1½" valves	***AV150-W***
replacement handles for 2½" valves	***46-030-00025***



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Factory Set Pressure Reducing (regulating) Valves

Features:

- (4) drilled and tapped bosses:
  - two on each side for upstream and downstream pressure monitoring
  - saves installation time and provides a cleaner appearance
- 2½" size reduces inlet pressures of **400 PSI** (2758 kPa) or less to desired working pressures from **20** through **175 PSI** (138-1207 kPa) under discharge or static conditions
- UL listed
- tamper switch available



Angle Grooved x Grooved

Inlet Grooved	Outlet Grooved	*Cast Brass* Part #
2½"	2½"	***NAPRAVGT250-55***
		NAPRAVGT250-60
		NAPRAVGT250-65
		NAPRAVGT250-70
		NAPRAVGT250-75
		NAPRAVGT250-80
		NAPRAVGT250-85
		NAPRAVGT250-95



Angle Grooved x Female

Inlet Grooved	Outlet Female NPT	*Cast Brass* Part #
2½"	2½"	***NAPRAVGFT250-55***
		NAPRAVGFT250-60
		NAPRAVGFT250-65
		NAPRAVGFT250-70
		NAPRAVGFT250-75
		NAPRAVGFT250-80
		NAPRAVGFT250-85
		NAPRAVGFT250-95



Globe Female x Female

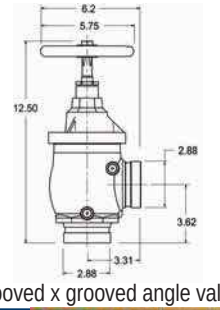
Inlet Female NPT	Outlet Female NPT	*Cast Brass* Part #
2½"	2½"	***NAPRVFT250-55***
		NAPRVFT250-60
		NAPRVFT250-65
		NAPRVFT250-70
		NAPRVFT250-75
		NAPRVFT250-80
		NAPRVFT250-85



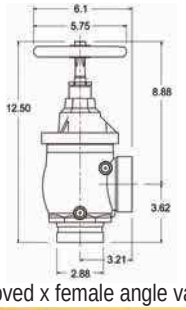
Globe Grooved x Grooved

Inlet Grooved	Outlet Grooved	*Cast Brass* Part #
2½"	2½"	***NAPRVGT250-55***
		NAPRVGT250-60
		NAPRVGT250-65
		NAPRVGT250-70
		NAPRVGT250-75
		NAPRVGT250-80
		NAPRVGT250-85

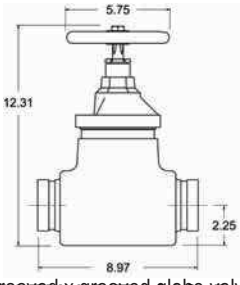
Dimensions



grooved x grooved angle valve



grooved x female angle valve



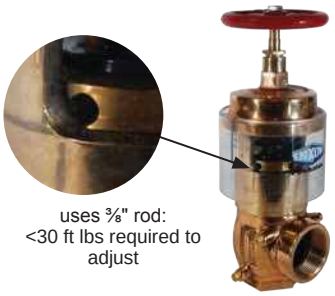
grooved x grooved globe valve

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Field Adjustable Pressure Reducing Valves

Features:

- UL listed
- allows flexibility during installation with the ability to adjust settings once installed as hydraulic conditions change
- used in applications where the inlet pressure is greater than **175 PSI**
- ¼" NPT gauge ports - both sides, drilled and tapped standard
- ⅜" adjusting rod included



Angle Valves

Inlet	Outlet	*Cast Brass* Part #
2½" FNPT	2½" MNST	***FAPRAV250F***
2½" FNPT	2½" FNPT	***FAPRAVF250***
2½" groove	2½" MNST	***FAPRAVG250F***
2½" groove	2½" groove	***FAPRAVG250G***



Straight Valves

Inlet	Outlet	*Cast Brass* Part #
2½" groove	2½" groove	***FAPRVG250***
2½" FNPT	2½" FNPT	***FAPRVF250***



Replacement Parts

Description	*Cast Iron* Part #
handwheel	***46-030-00025***



Setting Instructions:

1. Determine desired outlet pressure for known inlet pressure.
2. Remove the tamper-resistant screw and slide the plastic cover up to access the adjusting nut.
3. Use a ⅜" diameter rod in any one of the 6 holes in the adjusting nut and rotate counter clockwise to increase the pressure at the outlet.
4. Check valve under pressure under static and under the anticipated flowing conditions to ascertain that the setting produces the expected results.

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Adjustable Pressure Restricting Devices

Features:

- for installation on Class I or Class III standpipe system hose outlets
- device restricts pressure in the piping system to such a degree that hose lines can be handled by persons untrained in the handling of heavy fire streams
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- 2½" UL listed
- working pressure: **175 PSI** at **70°F (21°C)**



Female Thread	Male Thread	*Cast Brass* Part #
1½" NST (NH)	1½" NST (NH)	***APRD150F***
2½" NST (NH)	2½" NST (NH)	***APRD250F***

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Domestic Adjustable Pressure Restricting Angle Valves





Application:
- used where flowing water pressure needs to be controlled

Features:
- preset orifices restrict the volume of water thereby lowering the pressure of the flowing water; NFPA requires restricting valves where inlet pressure exceeds 100 PSI
- restricting valve has no effect on the static pressure of a system
- can be manually by-passed if required by opening the valve fully, this is accomplished by breaking the breakable link, which allows the valve stem to rise to the full open position
- breakable link also serves as an indication of valve condition and status; if valve is opened without breaking the link it will resume its previous position and no resetting is necessary
- restricts inlet pressure from 70 PSI up to a maximum of 175 PSI
- restricts down to outlet pressures of 65, 80 or 100 PSI, outlet pressures may be set below 65 PSI when authorized by the local authority having jurisdiction
- restricts only under flow conditions
- setting charts are packed with valve
- UL listed
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- maximum operating pressure: up to **175 PSI**
- aluminum handwheel
- other configurations are available, contact Dixon® for additional information

Female x Male

Inlet Female NPT	Outlet Male NST (NH)	*Cast Brass* Part #
1½"	1½"	***AVAPR150F***
2½"	2½"	***AVAPR250F***

Female x Female

Inlet Female NPT	Outlet Female NPT	*Cast Brass* Part #
1½"	1½"	***AVAPRF150***
2½"	2½"	***AVAPRF250***

Global Adjustable Pressure Restricting Angle Valves





Application:
- used when flowing water pressure needs to be controlled

Features:
- preset orifices restrict the volume of water thereby lowering the pressure of the flowing water; NFPA requires restricting valves where inlet pressure exceeds 100 PSI
- restricting valve has no effect on the static pressure of a system
- restricting device can be manually by passed if required by opening the valve fully: pull the pin allowing the yoke to fall back from the valve stem which allows valve to be fully opened, when valve needs to be restricted again, slide the yoke back into place to be NFPA compliant

Female x Male

Inlet Female NPT	Outlet Male NST (NH)	*Cast Brass* Part #
1½"	1½"	***AVAPR150F-I***
2½"	2½"	***AVAPR250F-I***

Female x Female

Inlet Female NPT	Outlet Female NPT	*Cast Brass* Part #
1½"	1½"	***AVAPRF150-I***
2½"	2½"	***AVAPRF250-I***

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Back Flow Preventer

Features:
- provides maximum protection against backflow caused by back-pressure or back-siphonage from a cross-connection wherein a contaminant hazard exists
- consists of two spring-loaded poppet type check valves and a mechanically independent, hydraulically dependent pressure differential relief valve
- three top mounted test cocks ensure easy access during repair and maintenance
- working pressure: to **175 PSIG**
- temperature range: **33°F** to **180°F (.5°C** to **82°C)**
- meets Foundation for Cross Connection Control and Hydraulic Research at University of Southern California Manual Section 10, ASSE 1015, AWWA C-510 and CSA B64.4 specifications
- UL listed and FM approved
- create a Fire Hydrant Backflow Preventer by using the ***RSMSA25F20T*** (page 780) and the ***DMH2025F*** (page 782)



NPT Thread	*Brass* Part #
2"	***BFP200***

Chicago Pattern Valves



Features:
- aluminum handwheel
- maximum operating pressure: **175 PSI** at **70°F (21°C)**

Inlet Male NPT	Outlet Male	*Cast Brass* Part #
1½"	1½" NST (NH)	***CPV150F***

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Sprinkler Hose Valve



Features:
- aluminum wheel
- UL listed and FM approved for automatic sprinkler and standpipe systems
- working pressure: **175 PSI** (water only) at **70°F (21°C)**

Inlet Male NPT	Outlet Male NST (NH)	*Cast Brass* Part #
1"	1½"	***ASHV1015F***

Push Pull Drain Valve



Features:
- direct mount
- 2½" handle length

Inlet	Outlet	*Brass* Part #
¾" FNPT	¾" FNPT	***PPDV75***

Automatic Drain Vent Valve



Features:
- attaches to the hose end of a hose rack nipple keeping the hose free of moisture by draining water from a leaky valve; when the valve is opened for use a spring valve closes the drain and directs all water through the hose
- other threads and finishes are available, consult Dixon® for more information

Female NST (NH)	Male NST (NH)	Working Pressure (PSI)	*Cast Brass* Part #
1½"	1½"	**175**	***ADV150F***

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Piston Intake Relief Valves

Features:

- standard with a 30° elbow (permitting smoother water flow), adjustable relief valve, retractable knob on hand wheel and air bleed off
- permits safe controlled flow to the intake pump and can also be used to draft
- 9 easy turns open and close the valve
- **280 PSI** at **70°F (21°C)**, without relief valve
- 4½" minimum waterway
- finish anodized throughout - minimum thickness 0.001"
- relief valve - double spring, cartridge type, adjustable from **50** to **200 PSI**

Storz x Female Swivel

Storz	Female Swivel NST (NH)	Length	Width	Height	*Aluminum Alloy, 356-T6* Part #
4"	4"	12"	8"	17"	***FSGR440F***
	4½"	12"	8"	17"	***FSGR445F***
	5"	12"	8"	17"	***FSGR450F***
	6"	12"	8"	17"	***FSGR460F***
5"	4"	12"	8"	17"	***FSGR540F***
	5"	12"	8"	17"	***FSGR550F***
	6"	12"	8"	17"	***FSGR560F***



Female Swivel x Male

Male NST (NH)	(2)Female NST (NH) Swivel	Length	Width	Height	*Aluminum Alloy, 356-T6* Part #
4"	4"	12"	8"	17"	***FMGR40F40F***
	4½"	12"	8"	17"	***FMGR40F45F***
	5"	12"	8"	17"	***FMGR40F50F***
	6"	12"	8"	17"	***FMGR40F60F***
4½"	4"	12"	8"	17"	***FMGR45F40F***
	4½"	12"	8"	17"	***FMGR45F45F***
	5"	12"	8"	17"	***FMGR45F50F***
	6"	12"	8"	17"	***FMGR45F60F***
5"	4"	12"	8"	17"	***FMGR50F40F***
	4½"	12"	8"	17"	***FMGR50F45F***
	5"	12"	8"	17"	***FMGR50F50F***
	6"	12"	8"	17"	***FMGR50F60F***
6"	6"	12"	8"	17"	***FMGR60F60F***



Replacement Parts

Description	Part #
handwheel and knob	***PV-HDWHL***
knob only	***PV-KNOB***



PV-HDWHL

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Butterfly Valves

Storz x Female Swivel



Features:
- permits safe controlled flow to the intake pump, can be used for draft situations
- pressure range: **150-300 PSI** working pressure at **70°F (21°C**)
- water way: 4½", 5", and 6" maximum
- materials: body-*ASTN A-126 cast iron,* wafer-lightweight *aluminum cast 356-T6,* , seat - *Buna*
- ¾" push-pull drain valve
- standard 10-position locking style lever
- finish anodized cast aluminum bolt flanges - minimum thickness 0.001"
- lever handle to center valve is 10¼"
- can be used in either direction (e.g. inlet/outlet)

Storz	Female NST (NH) Swivel	Length	Width	Height	Working Pressure (PSI)	*ASTN A-126 Cast Iron* Part #
4"	4"	9½"	11"	18"	**185**	***SFBTFLY4040F***
	4½"	9½"	11"	18"	**185**	***SFBTFLY4045F***
	5"	9½"	11"	18"	**185**	***SFBTFLY4050F***
	6"	9½"	11"	18"	**185**	***SFBTFLY4060F***
5"	4"	9½"	11"	18"	**185**	***SFBTFLY5040F***
	4½"	9½"	11"	18"	**185**	***SFBTFLY5045F***
	5"	9½"	11"	18"	**185**	***SFBTFLY5050F***
	6"	9½"	11"	18"	**185**	***SFBTFLY5060F***
6"	6"	9½"	13"	18"	**185**	***SFBTFLY6060F***

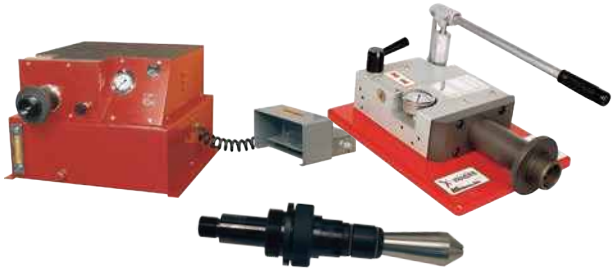
L/H - Male x Female Swivel



Features:
- permits safe controlled flow to the intake pump, can be used for draft situations
- standard 10 position lever handle
- ¾" push-pull drain valve standard
- pressure range: **150-300 PSI** at **70°F (21°C)**
- water way: 4½", 5", and 6" maximum
- seat: Buna
- finish: anodized cast aluminum bolt flanges (minimum thickness 0.001")
- lever handle to center valve is 10¼", unit can be used in either direction e.g. inlet/outlet

Male NST (NH)	Female NST (NH) Swivel	Length	Width	Height	Working Pressure (PSI)	*ASTN A-126 Cast Iron* Part #
4"	4"	9½"	11"	18"	**200**	***FMBTFLY40F40F***
4"	4½"	9½"	11"	18"	**200**	***FMBTFLY40F45F***
4"	6"	9½"	11"	18"	**185**	***FMBTFLY40F60F***
4½"	4½"	9½"	11"	18"	**185**	***FMBTFLY45F45F***
5"	4½"	9½"	11"	18"	**185**	***FMBTFLY50F45F***
5"	5"	9½"	11"	18"	**185**	***FMBTFLY50F50F***
5"	6"	9½"	11"	18"	**185**	***FMBTFLY50F60F***
6"	6"	9½"	13"	18"	**185**	***FMBTFLY60F60F***

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Fire Hose Coupling Machines and Accessories



Low Level Strainer - Floating Strainer



Dry Hydrants



Barrel and Basket Strainers



Booster Hose Installation Kit



Piston Intake Valve



Suction Hoses

Partial Listing of Powder Coating Colors Available for Wrenches

Contact Dixon Fire at 877.712.6179 for more information.

Black	Dark Blue	Medium Blue	Gray	Red	Orange

Mustard	Yellow	Green	Aqua	Plum	Pink

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Ball Nozzles for Bulk Delivery

Features:

- rugged construction, high flow provides rapid fuel oil transfer/delivery
- heavy duty roller ball swivel with low temperature seals freely rotates without leaking at **-40°F (-40°C)** and **100 PSI**
- 3 PSI check valve is included to prevent back flow, 5 PSI is optional

nozzles

Female NPT Inlet	Outlet Type	*Anodized Aluminum* Part #
1¼"	swivel quick fill nut	***BL062***
1½"	swivel quick fill nut	***BL064***
1¼"	1¼" spout	***BL066***
1½"	1¼" spout	***BL068***
1½"	1½" spout	***BL072***
1¼"	1¼" female NPT	***BL066NS***
1½"	1¼" female NPT	***BL068NS***
1½"	1½" female NPT	***BL072NS***
2"	2" spout	***BL920***



BL062

replacement spouts

Size	Replacement For	*Aluminum* Part #
1¼"	***BL066, BL068***	***1143A***
1½"	***BL072, BL919***	***1125A***
2"	***BL920***	***391137***



BL072

repair kits

Repair Kits for Ball Nozzles *(BL066, BL068, BL072, BL919)*	
Description	Part #
inlet swivel seal and wear kit	***SWMF-RK2***
complete inlet swivel rebuild kit	***SWMF-RK3***
1½" FNPT replacement inlet swivel	***SWMF-RK4***
1¼" FNPT replacement inlet swivel	***SWMF-RK5***
1½" BSPP replacement inlet swivel	***SWMF-RK6***
replacement swivel outlet (BL062, BL064)	***BL005***
ball valve shaft seal kit	***BL-RK4***
complete ball nozzle seal kit	***BL-RK10***
optional check valve 5 PSI spring kit	***BL-RK11***
standard check valve 3 PSI cartridge kit	***BL-RK12***
Repair Kits for Super Ball Nozzle (BL920)	
inlet swivel grease nipple kit (optional)	***SWMF-RK1***
inlet swivel seal and wear kit	***SWMF-RK22***
complete inlet swivel rebuild kit	***SWMF-RK32***
2" FNPT replacement inlet swivel	***SWMF-RK42***
1½" FNPT replacement inlet swivel	***SWMF-RK52***
complete ball nozzle seal kit	***BL-RK102***
optional check valve 5 PSI spring kit	***BL-RK112***
standard check valve 3 PSI cartridge kit	***BL-RK122***
replacement trigger kit	***BL-RK13***



BL072NS



BL920

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Gravity Utility Nozzles



900



900W34S



900B

Application:
- for use with 12 volt pumps and gravity flow fittings in economy fuel dispensing applications

Features:
- manual operation (non-automatic)
- Underwriters Listed
- working pressure: **25 PSI**

Female NPT Inlet	Outlet Type	*Die Cast Zinc Aluminum* Part #
1"	1" female UNS	***900*** [1]
	1" straight spout	***900S***
	1" bent spout	***900B***
	¾" straight spout	***900W34S***
	¾" bent spout	***900W34B***
¾"	¾" straight spout	***900S34*** [2]
	¾" bent spout	***900B34*** [2]

[1] nozzle body only (no spout)
[2] ¾" nozzle inlet uses 1" x ¾" reducer bushing, supplied

replacement parts

Description	Part #
¾" replacement straight spout	***234-80-4***
¾" replacement bent spout	***234-80-5***
1" replacement straight spout	***875-4***
1" replacement bent spout	***875-5***
trigger	***900TK***
plunger and valve assemblies, cap, O-ring	***900SK***

Pressure Nozzle for Bulk Delivery



114DNS



114D

Features:
- manual operation (non-automatic) for high pressures and fuel flow up to **100 GPM**
- easy opening dash pot design with shockless closing
- detachable trigger ratchet, packing gland and seal
- bronze trigger

Female NPT Inlet	Outlet Type	GPM @ 10 PSI	*Aluminum* Part #
1¼"	1¼" female NPT	80	***114DNS***
	1¼" spout	80	***114D***
1½"	1½" female NPT	100	***112DNS***
	1½" spout	100	***112D***

replacement parts

Description	Part #
aluminum replacement spout for 114D	***1143A***
aluminum replacement spout for 112D	***1125A***
main poppet, 2nd poppet, cap O-ring, valve stem	***112DSK***
blank plate to replace ratchet plate if ratchet not required	***114DAL-AV-19***
main and secondary poppets, cap O-ring, valve stem assembly and packing, sleeve stem packing and nut	***114DSK***

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Overwing Aircraft Nozzles

Features:
- manual operation (non-automatic) for high pressures and fuel flow up to **60 GPM** at **20 PSI**
- easy opening dash pot design with shock-less closing
- detachable trigger ratchet, packing gland and seal
- bronze trigger and plastic guard pad to protect wing
- spout comes with cap, spring cord, fine mesh stainless steel screen filter and screw attachment for grounding cable (cable not supplied)

Female NPT Inlet	Outlet Type	*Aluminum* Part #
1¼"	1" spout	***114DAVR***
	1¼" spout	***114D-AV***
1½"	1¼" spout	***114D-AV-06ASM***



114D-AV-06ASM

replacement parts

Description	Part #
trigger, bushing, pin and cotter pin	***114/2D-TK***
main & secondary poppet assemblies, cap O-ring, valve stem assembly	***114DAV-SK***
1" spout assembly	***114DAL-AV-25***
1¼" spout assembly	***114DAL-AV-16***

Large Capacity Low Pressure / Gravity Nozzle

Application:
- for low pressure/gravity applications

Features:
- rapid flow due to 1¼" oversize design
- maximum operating pressure: **25 PSI**



Female NPT Inlet	Outlet Type	*Aluminum* Part #
1¼"	1¼" spout	***1250-94***

repair kits

Description	Part #
plunger, O-rings, valve seal, valve base, valve plate	***1250SK***

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Hose Shank Hose Swivels



Application:
- for use with petroleum and home heating oil hose

Feature:
- prevents hose twisting or kinking

Male NPT	Shank Size	*Bronze* Part #
1½"	1½"	***1565U***

repair kit

Description	Part #
replacement seal kit and retaining ring	***1500SK***

Heavy Duty Hose Swivels



Features:
- male NPT x female NPT threaded connections
- heavy duty internal thrust bearing and anti-friction seal design ensures swiveling at **-40°F (-40°C)**
- can be lubricated without disassembly by using the optional grease nipple kit below

Male NPT	Female NPT	*Bayloy* Part #
1¼"	1¼"	***SWMF125***
1½"	1½"	***SWMF150***
2"	2"	***SWMF200***

repair kits

Description	Part #
inlet swivel grease nipple kit (optional)	***SWMF-RK1***
inlet swivel seal and wear kit	***SWMF-RK22***
complete inlet swivel rebuild kit	***SWMF-RK32***
2" FNPT replacement inlet swivel	***SWMF-RK42***
1½" FNPT replacement inlet swivel	***SWMF-RK52***

MannTek Hose Swivels



Features:
- allows the hose to relax to it's natural rest position while allowing freedom of movement without adding torque stress at the point of connection
- simple design, low maintenance - consists of 2 body halves, ball bearings and a washer
- male NPT x female NPT threaded connections
- FKM seals standard, Chemraz® and Kalrez® optional contact Dixon®
- working pressure: **150 PSI**
- maximum temperature: **300°F (149°C)**

Size	*316 Stainless Steel* Part #	*Aluminum* Part #
¾"	***HS075SS***	***HS075AL***
1"	***HS100SS***	***HS100AL***
1½"	***HS150SS***	***HS150AL***
2"	***HS200SS***	***HS200AL***
3"	***HS300SS***	***HS300AL***
4"	***HS400SS***	***HS400AL***

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Dixon® Diesel and Gasoline Nozzles Accessories

Single Plane Hose Swivels

Materials:
- body: aluminum
- brass hex nut prevents galling in the nozzle
- seals: F-7036 Viton™
- retainer: nylon cord



Size	Part #
¾" x ¾"	***DAWS34***
1" x 1"	***DAWS10***

Multi-Plane Hose Swivels

Features:
- brass male end will not gall in nozzle castings
- dual O-rings seal with all fuels
- sleeve gives smooth seal surface - no leaks
- internal nylon retainer cord secures firmly but allows free rotation

Materials:
- body: machined aluminum casting
- male end: machined brass bar stock
- sleeve: machined brass bar stock



Size	Part #
¾" male NPT x ¾" female NPT	***DAC3434***
1" male NPT x ¾" female NPT	***DAC1034***

Breakaways

Features:
- unique ball valves seal both ends when separated
- design provides consistent and reliable performance
- lightweight
- easy to repair
- ¾" Underwriter's Listed

Materials:
- body: aluminum
- break rings (2): brass
- seals: F-7036 Viton™



Size	Separation Force (Lbs)	Part #
¾"	325	***DAB34***
1"	325	***DAB1***

Breakaways

Applications:
- Provides breakaway protection for high capacity fueling operations such as truck and bus terminals, mining, off-road fueling and fuel oil delivery.

Materials:
- body: nickel plated aluminum
- brass break rings: 4 total in 1¼" and 1½"; 6 total in 2"
- seals: F-7036 Viton™
- check valve - PTFE ball seals both ends when separated



Size	Separation Force in Lbs.	Part #
1¼"	600	***DAB14***
1½"	600	***DAB15***
2"	800	***DAB2***

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FuelMaster™ Diesel Nozzles

Application:
- truck stops and terminal operations (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps)

Features:
- high flow capacity
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- pure PTFE packing eliminates stem leaks
- easy to change 'locknut style' spout assembly
- green scuff guard

Optional Features:
- Underwriters Listed versions
- UL listed for use with Gas 10% Ethanol blend and diesel
- super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

Materials:
- body and spout: aluminum
- body caps: zinc
- seals: FKM
- poppet disk: FKM
- stem packing: PTFE
- hand-guard and trigger hold open clip: super tough nylon
- trigger: steel
- snap-on cover: plastic
- scuff guard: vinyl

Features:
- with trigger hold-open clip
- non Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1-3/16"	**35**	***DFN100HF***
	1-3/16"	**45**	***DFN100SF***



DFN100HF

Features:
- with trigger hold-open clip
  with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1-3/16"	**35**	***DFN100HF-NPNF***
	1-3/16"	**45**	***DFN100SF-NPNF***

Features:
- without trigger hold-open clip
- Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1-3/16"	**35**	***DFN100HF-NC***
	1-3/16"	**45**	***DFN100SF-NC***



DFN100SF

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Big Mouth™ Diesel Nozzles

Application:
- truck stops (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps)

Features:
- lightweight but strong
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- pure PTFE packing eliminates stem leaks
- super tough nylon hand guard
- snap-on handle cover makes changing scuff guards easy
- yellow scuff guard

Optional Features:
- Underwriters Listed versions
- UL listed for use with gas 10% Ethanol blend and diesel
- super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

Materials:
- body and spout: aluminum
- body caps: zinc
- seals: FKM / nitrile
- poppet disk: FKM
- stem packing: PTFE
- trigger: steel
- snap-on cover: plastic
- scuff guard: vinyl

Features:
- with trigger hold-open clip
- non Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1⅛"	**27**	***DFN100***



DFN100

Features:
- with trigger hold-open clip
  with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1⅛"	**27**	***DFN100-NPNF***

Features:
- without trigger hold-open clip
- Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1⅛"	**27**	***DFN100-NC***



DFN100-NC

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Farm and Consumer Nozzles

Application:
- small 12 volt or AC utility pumps, farm or consumer pumps (not designed for use with gravity flow tanks)

Features:
- Micro-touch valve provides smooth operation and exceptional flow control
- pure PTFE stem packing eliminates leaks
- heavy duty, strong, secure hook makes it easy to hang the nozzle on the pump
- Roto-matic latch pin provides positive auto shut-off
- Smartguard snap-on scuff guard

Optional Features:
- Underwriters Listed versions
- super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

Materials:
- body and spout: aluminum
- body caps: zinc or nylon
- seals: FKM
- poppet disk: FKM
- stem packing: PTFE
- hand-guard and trigger hold open clip: super tough nylon
- trigger: steel
- snap-on cover: plastic
- scuff guard: vinyl


1" diesel nozzle

Features:
- with trigger hold-open clip
- non Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #
¾"	13/16"	**18**	black	gasoline	***DN7UOBF***
	15/16"	**23**	green	diesel	***DN7LOBF***
1"	1-1/8"	**27**	yellow	diesel	***DFN100F*** [1]

[1] Hand-guard and rear back clip: super tough nylon


¾" gasoline nozzle

Features:
- with trigger hold-open clip
- with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #
¾"	13/16"	**18**	black	gasoline	***DN7UOBF-NPNF***
	15/16"	**23**	green	diesel	***DN7LOBF-NPNF***
1"	1-1/8"	**27**	yellow	diesel	***DFN100F-NPNF***


¾" diesel nozzle

Features:
- without trigger hold-open clip
- Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #
¾"	13/16"	**18**	black	gasoline	***DN7UOBF-NC***
	15/16"	**23**	green	diesel	***DN7LOBF-NC***
1"	1-1/8"	**27**	yellow	diesel	***DFN100F-NC***

Fuel Nozzle Part Number Cross Reference

Dixon™	M. Carder	OPW	Emco	Husky	Catlow
DN7UOBF	N7UOBF	1AF-40FS	A2501F	XSF-33704	NENLF
DN7LOBF	N7LOBF	11APF-40FS	A2501LF	[illegible]	N5LF

LIBERTY EXHIBIT 1012, Page 854
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DEF Automatic Shutoff Nozzle

Application:
- designed for diesel exhaust fluid applications

Feature:
- maximum operating pressure: **50 PSI**



Materials:
- aluminum body double coated inside and out with PTFE baked on at **500°F (260°C)**
- spout: stainless steel
- wetted parts: stainless, acetal, PTFE
- seal: FKM-A

BSPP Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
¾"	13/16"	**18**	***DEFN075***

High Flow Fueler 100™ Nozzles

Application:
- for fueling trucks, buses, off-road equipment and fuel oil delivery
- *These nozzles are not to be used with gravity flow tanks.*



Features:
- machined grooves in the spout are designed to hold nozzle more securely in the fill pipe
- high flow, heavy duty automatic nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 30 PSI (GPM)	Part #
1¼"	1⅜"	**75**	***DNOG5-NL*** [1]
1¼"	1⅜"	**75**	***DNOG5***
1½"	1⅜"	**75**	***DNOG6***

[1] is a 1¼" nozzle without the locking handle

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Industrial Fog Nozzles



Features:
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- UL listed and Factory Mutual approved for class A and B fires (except noted [1] [2])
- new UL and FM approvals are pending due to change in standard UL401 products are to be reapproved, data subject to change in coming months supplied with bumper

Size	Thread	90° Spray GPM @ 100 PSI	Wide Open GPM @ 100 PSI	*Brass* Part #
¾"	GHT	---	---	***BFN75GHT*** [1]
¾"	NPSH	---	---	***BFN75***
1"	NPSH	32	---	***BFN100***
1½"	NPSH	---	100	***BFN150***
2"	NPSH	108	---	***BFN200*** [1] [2]
1"	NST (NH)	32	---	***BFN100NST***
1½"	NST (NH)	---	100	***BFN150NST***
2½"	NST (NH)	205	---	***BFN250NST*** [1] [2]

[1] not UL Listed
[2] not Factory Mutual approved
- replacement washers can be found on page 741

Heavy Duty Industrial Fog Nozzles



Features:
- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- UL listed and Factory Mutual approved
- supplied with bumper

Size	Thread	90° Spray GPM @ 100 PSI	*Brass* Part #
1"	NPSH	**---**	***HFN100***
1½"	NPSH	**88 (+/-12)**	***HFN150***
1"	NST (NH)	**---**	***HFN100NST***
1½"	NST (NH)	**88 (+/-12)**	***HFN150NST***
1½"	NYFD	**---**	***HFN150NYFD***

- replacement washers can be found on page 741

High Pressure Industrial Fog Nozzles



Features:
- working pressure: **25** to **300 PSI** (water only) at **70°F (21°C)**
- combination straight stream and fog - shut-off - straight stream - fog
- Factory Mutual approved
- large one-piece rubber bumper with molded teeth
- knurled base

Size	Thread	90° Spray GPM @ 100 PSI	*Brass* Part #
1½"	NPSH	**117**	***HPFN150***
	NST (NH)	**117**	***HPFN150NST***

- replacement washers can be found on page 741

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Electrical Fire All-Fog Nozzles

Features:
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shutoff to 30° fog, adjustable to 90° fog
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved, data subject to change in coming months
- UL listed and Factory Mutual approved for class C fires
- supplied with bumper
- Use of this nozzle is not likely to prove hazardous when nozzle is held in excess of 10 feet from electrical apparatus and circuits not involving more than 250,000 volts.



Size	Thread	Wide Open GPM @ 100 PSI	*Brass* Part #
1½"	NST (NH)	96	***BFNE150NST***
	NPSH	96	***BFNE150***

- for fog nozzle flow rates please see next page
- replacement washers can be found on page 741

Fog Nozzles

Features:
- shutoff - straight stream - fog
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- brass stem



with bumper



without bumper

Size	Thread	90° Spray GPM @ 100 PSI	*Polycarbonate* [1] Part #	*Polycarbonate* [2] Part #
¾"	GHT	**8.0**	***FNB75GHT*** [3, 4]	**---**
¾"	NPS	**30.9**	***FNB75S*** [4]	**---**
1"	NPS	**11.4**	***FNB100S*** [4]	***FN100S***
1"	NPS	**30.9**	***HGB100S***	**---**
1½"	NPS	**83.6**	***FNB150S***	***FN150S***
1"	NST (NH)	**11.4**	***FNB100NST***	***FN100NST***
1"	NST (NH)	**30.9**	***HGB100NST***	**---**
1½"	NST (NH)	**83.6**	***FNB150NST***	***FN150NST***

[1] with bumper
[2] without bumper
[3] standard flow
[4] 120° spray GPM @100 PSI
- replacement washers can be found on page 856

Fog Nozzle Flow Rate Chart

Part Number	Inlet Pressure PSI	kPa	Straight Stream GPM	LPM	30° GPM	LPM	60° GPM	LPM	90° GPM	LPM
	50	(345)	18	(68)	21	(79)	24	(91)	27	(102)
BFN100	**75**	(517)	22	(83)	25	(95)	28	(106)	32	(121)
	100	(690)	24	(91)	28	(106)	32	(121)	36	(136)
	50	(345)	90	(341)	120	(454)	130	(492)	145	(549)
BFN250	**75**	(517)	100	(379)	140	(530)	150	(568)	180	(681)
	100	(690)	110	(416)	165	(625)	180	(681)	205	(776)
HFN100	**100**	(690)	25	(95)	---	---	---	---	---	---
HFN150	**100**	(690)	---	---	---	---	---	---	86	(326)
HPFN150	**275**	(1040)	---	---	---	---	---	---	130	(492)

- fire fog nozzles are listed above and on previous pages

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Factory Mutual Approved Fog Nozzles


with bumper


without bumper

Features:
- brass stem with locking nut
- shutoff-straight-stream-fog
- wings on sleeve for ease of adjustment
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- Factory Mutual approved

Size	Thread	90° Spray GPM @ 100 PSI	*Polycarbonate* [1] Part #	*Polycarbonate* [2] Global Part #
¾"	GHT	**30.9**	***SL075GHT*** [3]	**---**
¾"	NPSH	**30.9**	***SL075*** [3]	**---**
1"	NPSH	**30.9**	***SL100*** [3]	***PFNB100S***
1½"	NPSH	**75.0**	***SL150***	***PFNB150S***
1"	NST (NH)	**30.9**	***SL100NST***	**---**
1½"	NST (NH)	**75.0**	***SL150NST***	***PFNB150NST***

[1] with bumper
[2] without bumper
[3] 120° spray on ¾" and 1"

Polycarbonate Electrical Fire All-Fog Nozzles



Features:
- opens and closes in a 30° fog pattern up to 120°- no straight stream
- maximum operating pressure: **100 PSI** (water only) at **70˚F (21˚C)**
- brass stem

Size	Thread	75° Spray GPM @ 100 PSI	*Polycarbonate* Part #
1½"	NPS	**92**	***FNBE150S***
	NST (NH)	**92**	***FNBE150NST***

Gaskets for Fog Nozzles



Size	Thread	ID	OD	Thickness	*Buna-N* Part #
1"	NPSH	0.937"	1.234"	0.125"	***FNG100S***
1"	NPSH	1.000"	1.375"	0.125"	***HGG100S***
1½"	NPSH	1.500"	1.827"	0.125"	***FNG150S***
1"	NST (NH)	0.937"	1.281"	0.125"	***FNG100NST***
1"	NST (NH)	1.000"	1.375"	0.125"	***HGG100NST***
1½"	NST (NH)	1.510"	1.906"	0.125"	***FNG150NST***

- dimensions are nominal

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Plain Hose Nozzles

Features:
- finish: satin
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Size	Thread	Overall Length	Orifice	Replacement Gasket	*Brass* Previous Part #	*Brass* Part #
¾"	GHT	6"	1/4"	***KRW5***	500SN6	***BN6***
¾"	NPSH	6"	1/4"	***KRW5***	---	***BN7***
1"	NPSH	8"	5/16"	***KRW10***	---	***BN10***
1¼"	NPSH	10"	3/8"	***KRW15***	---	***BN12***
1½"	NPSH	10"	1/2"	***KRW20***	---	***BN15***
2"	NPSH	12"	9/16"	***SW200***	---	***BN20***
2½"	NPSH	12"	1"	***KRW35***	---	***BN25***
1"	NST (NH)	8"	5/16"	***SW100F***	---	***BN10F***
1½"	NST (NH)	10"	1/2"	***SW150***	---	***BN15F***
2½"	NST (NH)	12"	1"	***SW250***	---	***BN25F***
1½"	NYFD	10"	1/2"	***SW150***	---	***BN15NYFD***
2½"	NYFD	12"	1"	***SW250***	---	***BN25NYFD***



Industrial Washdown Nozzles

Features:
- maximum operating pressure: **100 PSI** *(water only)* at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern
- shut off - straight stream - fog
- supplied with bumper

Size	Thread	90° Spray GPM @ 100 PSI	*Brass* Part #
1½"	NPSH	88 (+/-12)	***WDN150***
	NST (NH)	88 (+/-12)	***WDN150NST***



Swivel Connectors for Washdown Spray Guns

Ball Type Swivel x Hose Shank

Features:
- swivel connector for stainless spray nozzles
- 360° ball type swivel adapter helps prevent hose kinking

NPT	Hose ID	*Brass* Part #	*300 Stainless Steel* Part #
½"	½"	---	***SSA44***
	⅝"	---	***SSA54***
	¾"	---	***SSA64***
⅜"	½"	***BSA34***	---



Straight Swivel x Hose Shank

Features:
- swivel body
- gasket: EPDM

NPT	Hose ID	*Brass* Part #	*Stainless Steel* Part #
½"	½"	***BNS44***	***BNS44SS***
	¾"	***BNS64***	***BNS64SS***



Straight Swivel x GHT Thread

NPT	Female GHT	*Brass* Part #
½"	¾"	***BMAS974***



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Hot Water Washdown Spray Nozzles



Application:
- for low pressure cleaning, tank and drum cleaning and chemical manufacturing

Features:
- designed for operator comfort
- variable spray pattern from conical spray to solid stream
- hose connects at base of gun for easy maneuvering
- ½" female NPT inlet
- rubber coated handle protects hands from water temperatures to **150°F (66°C)**
- **12.5 GPM** flow capacity at **150 PSI**
- *Do not use with steam lines.*

Cover Color	*Brass* Part #	*Aluminum* Part #
black	***BWSG***	***AWSG***
white	***BWSG-W***	***AWSG-W***

NEW

Lite Washdown Spray Nozzles



LWSG-W



LWSG-B

Application:
- for use where reduced size and / or flow rate is preferred

Features:
- more compact and lighter than standard nozzle
- special formulated rubber cover for durability and easy replacement
- ⅜" female NPT inlet
- **9.0 GPM** flow capacity at **100 PSI**
- pressure rating: **150 PSI**
- temperature rating **200°F (93°C)**

Cover Color	*Brass* Part #
blue	***LWSG-B***
white	***LWSG-W***

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Mini Spray Nozzle

Features:
- ½" female NPT inlet
- not for use with steam
- designed as an industrial lightweight nozzle with heavyweight performance
- durable dark blue cover protects user from hot surfaces produced by high temperature wash down applications
- reduces hand fatigue and provides smooth lever action
- variable spray patterns from fan spray to solid stream
- drip-free automatic shutoff feature
- pressure rating **150 PSI** at **200°F (93°C)**
- flow: **9.6 GPM** at **100 PSIG**



Stainless Steel
Part #
DM150SDB

Spray Nozzle

Features:
- ½" female NPT inlet
- designed to prevent accidental spray
- durable dark blue cover prevents front-mounted lever from being accidentally activated if nozzle is dropped
- reduces hand fatigue and provides smooth lever action
- trigger locking mechanism provides safe and secure method of keeping the nozzle open during any spray pattern
- variable spray patterns from fan spray to solid stream
- drip-free automatic shut-off feature
- can be used with ***D150S-WAND***
- rated to **150 PSI** at **200°F (93°C)**
- **9.6 GPM** flow capacity at **100 PSIG**



Stainless Steel
Part #
D150SDB

Washdown Wand

Features:
- designed to provide user with a means of reaching desired washdown locations previously deemed unreachable by extending the nozzle by 3'
- adjustable spray tip can be changed from fan to solid spray by twisting the tip until the desired flow pattern is achieved
- quick disconnect feature allows user to quickly connect wand to the nozzles above
- designed to only fit the D150SDB nozzle
- minimum pressure is **75 PSI**
- wand is not for use with steam



300 Series Stainless Steel
Part #
D150S-WAND

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Temperature Indicating Spray Nozzle



Features:
- easy to read dial thermometer at rear of the nozzle provides accurate and continual monitoring of water temperature
- plastic sight window
- gauge assembly is recessed into the rubber cover for complete protection
- alerts the operator to shut-down the steam valve upon cold water failure, preventing scalding and steam burn injuries ensuring operator safety
- ensures a more accurate discharge water temperature reading
- recommended for water temperatures to **200°F (93°C)**
- maximum operating pressure: **150 PSI**
- **12.5 GPM** flow capacity
- ½" female NPT inlet
- black cover

Bronze
Part #
BWSG-TI

Stainless Steel Industrial Grade Spray Nozzle

Application:
- recommended for use in corrosive applications where bronze and aluminum nozzles are not suitable



Features:
- heavy duty 300 series stainless steel body and barrel
- variable spray pattern adjusts from a soft spray to a solid stream
- Replaceable rubber cover is specially formulated to resist a wide range of oils and chemicals and protect surrounding equipment.
- maximum operating pressure: **150 PSI**
- maximum flow: **12.5 GPM** at **150 PSI**
- ½" female NPT inlet
- maximum temperature: **200°F (93°C)**

300 Stainless Steel
Part #
300SSSG

Brass Industrial Grade Front Lever Spray Nozzle



Features:
- provides effortless one hand operation; by actuating the operating lever the valve is opened/closed and the jet power is regulated from spray to concentrated jet
- adjusting screw on back of gun allows you to fix the desired form of jet, fixing clamp for the operating lever allows lockable position for service
- maximum operating pressure: **350 PSI**
- suitable for hot water up to **122°F (50°C)**
- flow: **6.6 GPM** at **72 PSI**
- ½" female NPT inlet
- durable blue rubber cover

Brass
Part #
DWG050

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Thermal-Gard™ Elevated Temperature Spray Nozzle

Features:

- Thermal-Gard™ elevated temperature spray nozzle protects the operator from extreme hot water temperatures that exceed the comfort zone of standard hot water nozzles.
- Assembly includes required special rigid, stainless steel adapter, (⅜" male NPT x ½" female NPT).
- Thermal insulating sleeve reduces overall heat during elevated temperature conditions.
- Stainless steel lever handle is coated for additional thermal protection and operator comfort.
- Lightweight aluminum alloy body reduces overall weight
- Aluminum alloy body is electroless nickel plated for additional corrosion protection
- Recommended for water temperatures above **140°F (60°C)** to a maximum temperature of **200°F (93°C)**
- **12.5 GPM** flow capacity
- working pressure: **150 PSI**
- ⅜" female NPT inlet
- black cover



Aluminum Part #
AWSG-TG

Spray Valve and Hose Assembly

Valves

Features:

- even spray valve mist provides proper moisture on paper roll ends
- helps eliminate wrinkles and folder delivery problems, increasing pressroom production and reducing waste
- a slight flex of the hose in any direction (360°) activates the spray
- quick action with no protruding levers, thumb depressors, triggers or other devices utilized
- positive water seal when hose is released causes the internal valve to close and immediately shut off spray
- sealed mechanism with no packing gland



83304



83306H

Female NPT Size	Description	Part #
¼" ⅜"	valve only	***83304*** ***83306***
¼" ⅜"	valve with hook	***83304H*** ***83306H***

Hose Assembly

Male NPT Inlet	Description	Part #
⅜"	5' hose	***8320605***

- additional hose lengths are available - contact Dixon®



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Sweeper Nozzle



Thread Size	Discharge	Length	*Brass* Previous Part #	Part #
¾" GHT	3/16"	2"	500SN2	***PSN76***

Flexible Water Nozzle



Feature:
- bends for water flow, shuts off when released

Thread Size	Part #
¾" GHT	***8005***

Brass / Rubber Power Flow Water Nozzle



Features:
- all metal body and handle
- curved design to fit the contour of your hand
- overmold for comfortable handling
- built in flow control to regulate the amount of water flow
- locking feature to make extended watering easy
- large easy-turn dial

Thread Size	Part #
¾" GHT	***PNB75GHT***

Insulated Water Nozzles



Features:
- clip locks to any spray pattern
- industrial strength nylon handle
- rubber handle guard
- GHT thread on head
- heavy duty brass valve and adjusting nut
- for use with hot water up to **140°F (60°C)**

Thread Size	*Chrome Plated Zinc* Part #
¾" GHT	***SN75***

Pistol-Grip Water Nozzle



Features:
- clip locks to any spray pattern
- easy squeeze on/off lever
- brass valve and adjusting nut
- stainless steel spring with lifetime packing
- rubber handle guard

Thread Size	*Zinc Metallized* Part #
¾" GHT	***CSN75***

Twist Nozzles



Feature:
- maximum operating pressure **150 PSI** (water only)

Thread Size	Length	*Extruded Brass* Previous Part #	Part #
¾" GHT	4"	---	***BTN75***
	4"	---	***500AN4*** [1]
	6¾"	500-AN7	***500AN7*** [1]

[1] imported

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Adjust-A-Power Nozzle

Features:
- ideal for patio, auto and boat, driveway and garden
- produces 50% more power than twist nozzles
- does not require a washer
- leave nozzle in the open position when not in use
- brass construction with stainless steel bearings
- maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

Thread Size	*Brass* Part #
¾" GHT	***AAPN75GHT***



Constant Flow Nozzle Displays

Features:
- shatterproof and UV resistant polycarbonate withstands tough environmental conditions
- seals used for true water shut off
- easy twist spray pattern adjustment
- sold in case quantity only (25 per case), with display

Thread	45° Spray GPM @ 100 PSI	Color	Global Part #
¾" GHT	25.1	green	***FNB75GHT-GD***
	25.1	clear	***CNB75GHT-GD***



FNB75GHT-GD



CNB75GHT-GD

Constant Flow Nozzles with Bumper

Feature:
- can be used as a replacement nozzle in the display case ***FNB75GHT-GD***

Thread	45° Spray GPM @ 100 PSI	Color	*Plastic* Part #
¾" GHT	8.0	green	***GNB75GHT*** (domestic)
	25.1	clear	***CNB75GHT*** (global)



GNB75GHT



CNB75GHT

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Water-Steam Washdown Station

Application:
- fail-safe mixing station safely blends steam and cold water for hot water on demand, should cold water fail, the steam is instantly shut-off



station is not supplied with hose and nozzle

Features:
- globe style control valves
- dial thermometer
- in-line check valves
- ¾" inlet and outlet
- stainless steel hose rack
- mounting plate and hardware for wall mounting
- maximum operating pressure: **150 PSI**
- maximum temperature: **200°F (93°C)**

Bronze Part #
SWDS

Pressure Requirements

Steam Pressure		*Water* Pressure	
Minimum	Maximum	Minimum	Maximum
80 PSI	**90 PSI**	**50 PSI**	**80 PSI**

Hot and Cold Water Mixing Station



station is not supplied with hose and nozzle

Features:
- globe style control valves
- in-line check valves
- ¾" inlet and outlet
- stainless steel hose rack
- mounting plate and hardware for wall mounting
- maximum operating pressure: **150 PSI**
- maximum temperature: **200°F (93°C)**

Bronze Part #
WDS1

Rack for Mixing Station



Features:
- stainless steel lag screws
- solid brass mounting crowns
- supplied with mounting hardware
- rack fits SWDS and WDS1 mixing stations
- holds 50' of ¾" heavy duty industrial grade hose

Stainless Steel Part #
WDSR

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Spray Guns

Anti-Fatigue Spray Gun

Features:
- ⅜" female inlet
- ¼" female outlet
- temperatures to: **300°F (149°C)**
- anti-fatigue pressure compensating design



Maximum PSI	GPM	Part #
5075	**12.0**	***HPSG***
5000	**10.6**	***HPSGW*** [1]

[1] W = weeping, for the car wash industry, allows a small stream of water / leak

Pressure Spray Gun

Features:
- ⅜" female inlet
- ¼" female outlet
- working pressure: **4500 PSI**
- maximum temperature: **320°F (160°C)**



GPM	Part #
8	***HPSGL***

Heavy Duty Anti-Fatigue Spray Gun

Features:
- ⅜" female inlet
- ¼" female outlet
- working pressure: **5000 PSI**
- maximum temperature: **300°F (149°C)**
- heavy duty anti-fatigue design
- stainless inner tube
- Zytel® housing



GPM	Part #
8	***HPSGHD***

Pressure Spray Gun with Extension

Features:
- ⅜" female inlet
- 22 mm x 14 mm female outlet
- working pressure: **3700 PSI**
- maximum temperature: **140°F (60°C)**
- extension length: 19"



GPM	Part #
8	***AL9***

Pressure Spray Gun Kit with Hose, Nozzle & Lance

Features:
- gun: 22 mm male inlet, 22 mm x 14 mm female outlet end, working pressure **2500 PSI**
- lance: 18" with vari-spray nozzle 1.25 mm with 22 mm male inlet
- hose: 25', ¼" ID with 22 mm x 14 mm female ends
- nozzle: 4.0 variable nozzle 0° to 80°



Part #
BIT-KIT

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Spray Lances and Extensions for Pressure Gun

Spray Lance

Features:
- for use with ***AL9*** spray gun ***only*** on page 865
- maximum operating pressure: **4000 PSI**
- maximum temperature: **300°F (149°C)**



Length	Description	*Zinc* Part #
24"	22 mm x 14 mm male inlet x ¼" male outlet	***AL248***

Dual Spray Lances

Features:
- for use with ***HPSG***, ***HPSGC, HPSGHD*** and ***HPSGW***
- for soap and water
- maximum temperature: **300°F (149°C)**
- **10.5 GPM**
- requires 1 high pressure nozzle and 1 soap nozzle on page 869
- Allows quick adjustment from high to low pressure with a twist of the handle; low pressure setting allows for use of soap.



AL333



AL344

Length	Description	Maximum Operating PSI	Part #
40"	*zinc*, ¼" male inlet 2 each ¼" female outlets	**3,650**	***AL333***
	stainless steel, ¼" male inlet, 2 each ¼" female outlets	**4,000**	***AL344***

Molded Grip Extensions

Features:
- for use with ***HPSG***, ***HPSGC, HPSGHD*** and ***HPSGW***
- maximum operating pressure: **5000 PSI**
- temperature: **300°F (149°C)**
- **10.5 GPM** maximum



AL323 AL324 AL325 & AL326

Length	Description	*Zinc* Part #
24"	¼" male inlet x ¼" male outlet	***AL323XX***
36"	¼" male inlet x ¼" male outlet, 4" space from the end	***AL324XX***
48"	¼" male inlet x ¼" male outlet, 2 grips	***AL325XX***
59"	¼" male inlet x ¼" male outlet, 2 grips	***AL326XX***

Vented Grip Lances

Features:
- for use with ***HPSG***, ***HPSGC, HPSGHD*** and ***HPSGW***
- for hot water
- maximum operating pressure: **5000 PSI**
- maximum temperature: **300°F (149°C)**
- **10.5 GPM** maximum



AL361



AL362

Length	Description	*Zinc* Part #
36"	¼" male inlet x ¼" female outlet, straight	***AL361***
48"	¼" male inlet x ¼" female outlet, bent	***AL362***

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Telescoping Lance and Belt for Pressure Gun

Features:
- ⅜" female (pipe thread) inlet
- ¼" female (quick connect) outlet
- maximum operating pressure: **4000 PSI**
- ¼" steel braided hose
- **7 GPM**
- length is in three sections
- maximum temperature: **300°F (149°C)**



Length	*Aluminum* Part #
6' - 18'	***ARTEL18A***

Telescoping Lance Belt

Feature:
- adjusts to fit a 33" to 58" waist



Nylon Part #
ARTEL-BELT

Swiveling Quick Couplings

Features:
- working pressure: **3650 PSI**
- **7.8 GPM**
- maximum temperature: **300°F (149°C)**

¼" swiveling quick couplings

Description	Part #
¼" female x 22 mm x 1.5 mm swivel	***AL450*** [1]

[1] for use with ***AL456*** *only*



Description	Part #
¼" male x 22 mm x 1.5 mm swivel	***AL451*** [2]

[2] for use with ***AL464*** *only*



⅜" swiveling quick couplings

Description	Part #
⅜" female x 22 mm x 1.5 mm swivel	***AL453*** [1]

[1] for use with ***AL456*** *only*



Description	Part #
⅜" female x female swivel	***AL462*** [2]

[2] for use with ***AL464*** *only*



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Fixed Plugs

Features:
- working pressure: **3650 PSI**
- **7.8 GPM**
- maximum temperature: **300°F (149°C)**



¼" fixed quick coupling plugs

Description	Part #
¼" female x 22 mm x 1.5 mm male	***AL454*** [1]

[1] for use with ***AL453*** and ***AL9***



Description	Part #
¼" male x 22 mm x 1.5 mm male	***AL455F*** [2]

[2] for use with ***AL462*** *only*

⅜" fixed quick coupling plugs



Description	Part #
⅜" female x 22 mm x 1.5 mm male	***AL456*** [1]

[1] for use with ***AL453*** and ***AL9***



Description	*Nickel Plated Brass* Part #
⅜" female x male plug	***AL464*** [2]

[2] for use with ***AL462*** *only*

Injector Nozzles

Features:
- designed to inject cleaning solutions into high pressure discharge lines
- ⅜" male inlet and outlet
- maximum working pressure: **4000 PSI**


AL477

Description	Orifice	Flow (GPM)	Part #
adjustable, green	1.8 mm	2 - 3	***AL472***
adjustable, red	2.1 mm	3 - 4	***AL477***
adjustable, blue	2.3 mm	4 - 5.5	***AL478***

Line Strainer

Features:
- working pressure: **100 PSI**
- ½" female inlet, ½" male outlet
- .60 mesh cuffed filter
- 2 additional ¼" side ports
- **8 GPM** maximum



Aluminum Part #
AR3000-A2

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High Pressure Spray Soap Nozzles

Description	*Brass* Part #
¼" male inlet, 40° spray angle, size #40	***NZ4040S***
¼" male inlet, 80° spray angle, size #40	***NZ8040S***



High Pressure Spray Nozzles

Description	*Steel* Part #
¼" male NPT inlet, 15° spray angle, size 4	***NZ1504***
¼" male NPT inlet, 25° spray angle, size 4	***NZ2504***
¼" male NPT inlet, 40° spray angle, size 4	***NZ4004***



Quick Connect Soap Nozzle

- use with ¼" couplers on page 498

Description	*Brass* Part #
¼" straight through plug inlet, 65° spray angle, size #40	***NZ6540QCS***



Quick Connect Spray Nozzles

- use with ¼" couplers on page 498

Description	Part #
¼" straight through plug inlet, 0° spray angle, size #4, red	***MSP400***
¼" straight through plug inlet, 15° spray angle, size #4, yellow	***MSP415***
¼" straight through plug inlet, 25° spray angle, size #4, green	***MSP425***
¼" straight through plug inlet, 40° spray angle, size #4, white	***MSP440***



Multi-Pack Quick Connect Nozzles

Description	Nozzles Included	Part #
¼", 65° spray angle, size #40	NZ6540QCS	***MSP4PAK***
¼", 15° spray angle, size #4, yellow	MSP415	
¼", 25° spray angle, size #4, green	MSP425	
¼", 40° spray angle, size #4, white	MSP440	



Multi-Pack High Pressure Spray Nozzles

- ¼" quick connect nozzle multi-packs include: 0° red, 15° yellow, 25° green, 40° white and 50° black soap nozzles
- ¼" MEG nozzle multi-packs include: 0°, 15°, 25°, 40° and 65° soap nozzles

Nozzle Size	GPM @ PSI 800	1000	1500	2000	2500	3000	3500	4000	5000	Part #
3.0	1.34	1.50	1.84	2.12	2.37	2.60	2.81	3.00	3.35	***NZMQC5P-030***
3.5	1.57	1.75	2.14	2.47	2.77	3.03	3.27	3.50	3.91	***NZMQC5P-035***
4.0	1.79	2.00	2.45	2.83	3.16	3.46	3.74	4.00	4.47	***NZMQC5P-040***
4.5	2.01	2.25	2.76	3.18	3.56	3.90	4.21	4.50	5.03	***NZMQC5P-045***
5.0	2.24	2.50	3.06	3.54	3.95	4.33	4.68	5.00	5.59	***NZMQC5P-050***
5.5	2.46	2.75	3.37	3.89	4.35	4.76	5.14	5.50	6.15	***NZMQC5P-055***
6.5	2.91	3.25	3.98	4.60	5.14	5.63	6.08	6.50	7.27	***NZMQC5P-065***
8.0	3.58	4.00	4.90	5.66	6.32	6.93	7.48	8.00	8.94	***NZMQC5P-080***



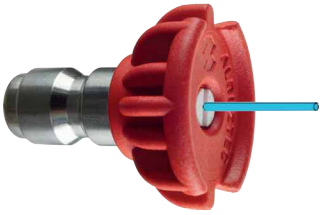
Nozzle Size	GPM @ PSI 800	1000	1500	2000	2500	3000	3500	4000	5000	Part #
3.5	1.57	1.75	2.14	2.47	2.77	3.03	3.27	3.50	3.91	***NZMMEG5P-035***
4.0	1.79	2.00	2.45	2.83	3.16	3.46	3.74	4.0	4.47	***NZMMEG5P-040***
4.5	2.01	2.25	2.76	3.18	3.56	3.90	4.21	4.50	5.03	***NZMMEG5P-045***
5.0	2.24	2.50	3.06	3.54	3.95	4.33	4.68	5.00	5.59	***NZMMEG5P-050***
5.5	2.46	2.75	3.37	3.89	4.35	4.76	5.14	5.50	6.15	***NZMMEG5P-055***



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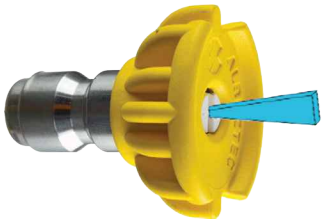
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Spray Nozzle Selection Guidelines



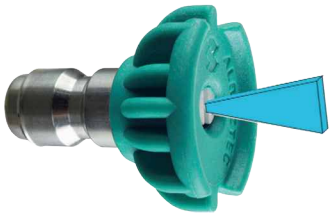
0°
Blasting Nozzle

- Removing caked on mud from heavy construction, farm or lawn equipment.
- Cleaning tar, glue or stubborn stains from concrete
- Cleaning overhead areas
- Removing rust from steel and oxidation from aluminum



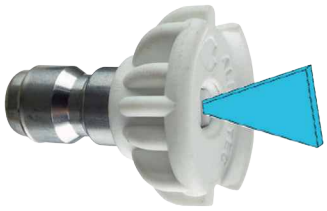
15°
Stripping Nozzle

- Removing paint from wood, masonry or metal
- Removing grease or dirt from equipment
- Removing heavy mildew stains
- Removing marine growth from boats and marine equipment
- Removing rust from steel and oxidation from aluminum



25°
Cleaning Nozzle

- General cleaning of dirt, mud and grime
- Cleaning roofs, gutters and downspouts
- Removing light mildew stains
- Removing algae and bacteria build-up from pools
- Rinsing surfaces in preparation for painting



40°
Washing Nozzle

- Light cleaning and washing
- Washing and rinsing of automobiles and boats
- Cleaning roofs, windows, patios and driveways

Caution: The spray force from these nozzles can cause injuries if pointed directly at yourself or others. Before observing directly always disconnect from spray wand. Make sure spray nozzle is properly locked in place with its quick coupler, if the collar is not in the locking position, the nozzle will become a dangerous projectile. The O-ring from your quick coupler socket will also be blown out of place.

Nozzle Spray Chart

Nozzle Orifice Size	Gallons Per Minute →	1000 PSI	1200 PSI	1250 PSI	1300 PSI	1500 PSI	1800 PSI	2000 PSI	2100 PSI	2200 PSI	2300 PSI	2400 PSI	2500 PSI	3000 PSI	3200 PSI	3500 PSI	4000 PSI	5000 PSI
3.0		1.50	1.64	1.68	1.71	1.84	2.01	2.12	2.17	2.22	2.27	2.32	2.37	2.60	2.68	2.81	3.00	3.35
3.5		1.75	1.92	1.96	2.00	2.14	2.35	2.47	2.54	2.60	2.65	2.71	2.77	3.03	3.13	3.27	3.50	3.91
4.0		2.00	2.19	2.24	2.28	2.45	2.68	2.83	2.90	2.97	3.03	3.10	3.16	3.46	3.58	3.74	4.00	4.47
4.5		2.25	2.46	2.52	2.57	2.76	3.02	3.18	3.26	3.34	3.41	3.49	3.56	3.90	4.02	4.21	4.50	5.03
5.0		2.50	2.74	2.80	2.85	3.06	3.35	3.54	3.62	3.71	3.79	3.87	3.95	4.33	4.47	4.68	5.00	5.59
5.5		2.75	3.01	3.07	3.14	3.37	3.69	3.89	3.99	4.08	4.17	4.26	4.35	4.76	4.92	5.14	5.50	6.15
6.5		3.25	3.56	3.63	3.71	3.98	4.36	4.60	4.71	4.82	4.93	5.03	5.14	5.63	5.81	6.08	6.50	7.27
8.0		4.00	4.38	4.47	4.56	4.90	5.37	5.66	5.80	5.93	6.07	6.20	6.32	6.93	7.16	7.48	8.00	8.94

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Turbo Nozzles

Features:
- 15° spray angle
- maximum temperature: **195°F (91°C)**
- ceramic orifice

Nozzle Size	Description	Orifice	Maximum Working PSI	Part #
4.0	¼" female inlet, dk. green	1.30 mm	**3,625**	***AL-TPR25-30***
5.5 - 6.0	¼" female inlet, purple	1.50 mm	**3,625**	***AL-TPR25-50***
7.0 - 7.5	¼" female inlet, grey	1.70 mm	**3,625**	***AL-TPR25-70***
4.0	¼" female inlet, dk. green	1.30 mm	**5,075**	***AL-TPR35-30***
5.5	¼" female inlet, purple	1.50 mm	**5,075**	***AL-TPR35-50***
6.5	¼" female inlet, grey	1.70 mm	**5,075**	***AL-TPR35-70***



Nozzle Holders

Feature:
- maximum temperature: **300°F (149°C)**

Description	Flow (GPM)	Working PSI	Part #
adjustable hi/low nozzle holder with nozzle protector, ¼" female inlet and outlet	**7.8**	**3,650**	***AL414***
change over nozzle, ¼" female inlet, 2 each ¼" female outlets	**8**	**2,900**	***AL416***



AL414



AL416

Inlet Filter for Turbo Nozzles

Features:
- ¼" female inlet, ¼" male outlet
- maximum temperature: **212°F (100°C)**
- 100 mesh filter

Description	Flow (GPM)	Working PSI	Part #
stainless steel, inlet water filter	**8**	**5,000**	***AR3500***



Balance Release Valve

Features:
- working PSI: **4,000 PSI**
- maximum temperature: **195°F (90.6°)**
- GPM: **6.6**
- inlet/outlet: ⅜" female NPT
- bypass: ⅜" female NPT

Brass Part #
AL702



Water Broom

Features:
- working PSI: **4,000 PSI**
- ¼" quick connect plug

Description	Length	*Stainless Steel* Part #
4 nozzle broom	16"	***AR-BROOM16***



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Unloader Valves



Features:
- automatically relieves pressure from the pump at shut-off
- maximum temperature: **190°F (88°C)**
- inlet: 2 each, ⅜" female NPT
- outlet: ⅜" female NPT
- bypass: 2 each, ⅜" female NPT

Description	Maximum Flow (GPM)	Working PSI	Part #
yellow spring	8	**2,320**	***AL605***
blue spring	8	**3,650**	***AL606***
black spring	8	**4,500**	***AL607***



Features:
- maximum temperature: **190°F (88°C)**
- inlet: ⅜" female
- outlet: ⅜" male
- bypass: ⅜" female

Description	Flow (GPM)	Working PSI	Part #
VR-35 unloader valve	9	**5,100**	***AR20831***

Thermal Relief Valve



Features:
- operating PSI: **200 PSI**
- maximum temperature: **140°F (60°C)**
- inlet: ½" male

Brass Part #
TPP140

Safety Release Valve



Features:
- pressure range: **1,000** to **4,000 PSI**
- maximum temperature: **200°F (93°C)**
- inlet: ⅜" male
- GPM: **6**

Part #
AR5000-1

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Mill Hose ..... 874 to 877
Synthetic single jacket ..... 874 to 876
Synthetic double jacket 877

Washdown Hose ..... 878 to 880
Nitrile ..... 878 to 879, 880
Hot water 880
Pressure washer braided 880
Hand crank hose reel 880

Racks & Reels ..... 881 to 882
Reelcraft® 5000 series spring driven 881
Reelcraft® 7000 series 881
Reelcraft® 80000 series 882
Adjustable hose bumper stops 882
Reelcraft® 30,000 manual driven 882
Hand crank 882

Garden Hose & Washdown ..... 883 to 885
Contractors EPDM water hose 883
Rubber vinyl garden hose 883
Premium EPDM hose 883
Flexogen® hose 883
Perfect water hose 884
Premium Flexzilla® garden hose 884
Top Level PVC hose 884
Hot Water rubber reinforced hose 884
Marine, Camper, Patio & Pool hose 885
Country Club® RT hose 885

Flexible Tubing ..... 886 to 889
PVC 886
PVC braided 887
D.O.T. air brake 887
Polyurethane 888
Polyethylene 888
Nylon 888
Legris nylon 889
Polyurethane - 95 durometer 889
Fluoropolymer FEP 140 889

Air Hose ..... 890 to 891
Coil-Chief self-storing 890
Polyurethane self-storing 891
Polyurethane 891

Tubing & Hose Cutters 892

PTFE Hose 893, 896
Nominal 893
Fittings 894
Tool and dies 894, 895
Smooth bore fitting 895
True ID 896
Fittings 896, 897
Crimp collars 897

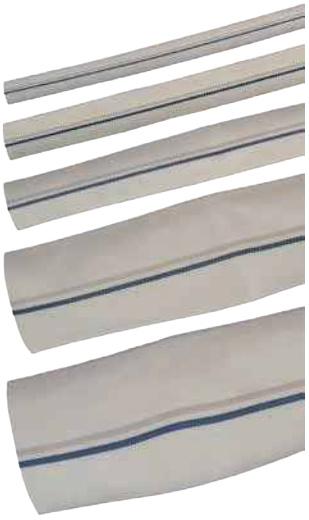
Hose Protection ..... 898 to 900
Spiral hose and cable protection 898
Fiberglass sleeving 899
Kevlar® protective sleeves 899
Nylon protective sleeves - MSHA accepted 899
Spring Guard 900
Continuous Spring Guard 900
GSM ball joint armored hose assemblies 900

Fire hoses are located on pages 732 to 739

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Synthetic Single Jacket Mill Hose



Application:
- used in open end water discharge applications only, not intended for fire fighting service

Features:
- outer construction: single jacket, all polyester
- tube construction: black, PVC rubber
- rated pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **112 PSI** at ambient temperature **70°F (21°C)**
- Consult Dixon® for pricing and availability on 75' lengths and other threads and configurations.

Uncoupled

Size	Bowl	Length	Part #
1"	1-1/4"	50'	***M10-50UC***
	1-1/4"	100'	***M10-100UC***
	1-1/4"	300'	***M10-300UC***
1½"	1-11/16"	25'	***M15-25UC***
	1-11/16"	50'	***M15-50UC***
	1-11/16"	100'	***M15-100UC***
2"	2-3/8"	25'	***M20-25UC***
	2-3/8"	50'	***M20-50UC***
	2-3/8"	100'	***M20-100UC***
2½"	2-11/16"	25'	***M25-25UC***
	2-11/16"	50'	***M25-50UC***
	2-11/16"	100'	***M25-100UC***
3"	3-3/8"	25'	***M30-25UC***
	3-3/8"	50'	***M30-50UC***
	3-3/8"	100'	***M30-100UC***
4"	4-3/8"	25'	***M40-25UC***
	4-3/8"	50'	***M40-50UC***
	4-3/8"	100'	***M40-100UC***
6"	6-3/8"	25'	***M60-25UC***
	6-3/8"	50'	***M60-50UC***

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Synthetic Single Jacket Mill Hose

Application:
- used in open end water discharge applications only, not intended for fire fighting service

Features:
- outer construction: single jacket, all polyester
- tube construction: black, PVC rubber
- rated pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- working pressure: **125 PSI** at ambient temperature **70°F (21°C)**
- Consult Dixon® for pricing and availability on 75' lengths and other threads and configurations.

Coupled with NPSH female and male expansion ring couplings

Size	Length	Part #
1½"	50' 100'	***M15-50RAS*** ***M15100RAS***
2"	50' 100'	***M20-50RAS*** ***M20100RAS***
2½"	50' 100'	***M25-50RAS*** ***M25100RAS***



Coupled with NST (NH) female and male expansion ring couplings

Size	Length	Part #
1½"	50' 100'	***M15-50RAF*** ***M15100RAF***
2½"	25' 50' 100'	***M25-25RAF*** ***M25-50RAF*** ***M25100RAF***



Coupled with MNPT x MNPT male expansion ring couplings

Size	Length	Part #
1½"	50' 100'	***M15-50RAT*** ***M15100RAT***
2"	50' 100'	***M20-50RAT*** ***M20100RAT***



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Synthetic Single Jacket Mill Hose

Application:
- used in open end water discharge applications only, not intended for fire fighting service

Features:
- outer construction: single jacket, all polyester
- tube construction: black, PVC rubber
- Consult Dixon® for pricing and availability of additional lengths and other configurations.

Coupled with NPSH female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut



Size	Length	Working Pressure PSI at **70°F (21°C)**	Part #
1½"	25' 50'	**75** **75**	***M15-25KAS*** ***M15-50KAS***
2"	25' 50'	**75** **75**	***M20-25KAS*** ***M20-50KAS***
2½"	25' 50'	**50** **50**	***M25-25KAS*** ***M25-50KAS***
3"	25' 50'	**50** **50**	***M30-25KAS*** ***M30-50KAS***

Coupled with NST (NH) female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut



Size	Length	Working Pressure PSI at 70°F (21°C)	Part #
1½"	25' 50'	**75** **75**	***M15-25KAF*** ***M15-50KAF***
2½"	25' 50'	**50** **50**	***M25-25KAF*** ***M25-50KAF***

Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve



Size	Length	Working Pressure PSI at **70°F (21°C)**	Part #
1½"	25' 50'	**112** **112**	***M15-25GAX*** ***M15-50GAX***
2"	25' 50'	**112** **112**	***M20-25GAX*** ***M20-50GAX***
2½"	25' 50'	**112** **112**	***M25-25GAX*** ***M25-50GAX***
3"	25' 50'	**112** **112**	***M30-25GAX*** ***M30-50GAX***
4"	25' 50'	**112** **112**	***M40-25GAX*** ***M40-50GAX***

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Synthetic Double Jacket Mill Hose

Application:
- ideal for open end discharge applications, not intended for fire fighting service ⚠

Features:
- outer construction: double jacket, all polyester
- tube construction: black, PVC rubber
- rated pressure: **250 PSI** at **70°F (21°C)**
- working pressure: **200 PSI** at **70°F (21°C)**
- double jacket hoses are ***not*** recommended for use with field reattachable couplings ⚠
- Consult Dixon® for pricing and availability of additional lengths and other configurations.

Uncoupled

Size	Bowl	Length	Part #
1½"	1-13/16" 1-13/16"	50' 100'	***DM15-50UC*** ***DM15-100UC***
2"	2-5/16" 2-5/16"	50' 100'	***DM20-50UC*** ***DM20-100UC***
2½"	2-7/8" 2-7/8"	50' 100'	***DM25-50UC*** ***DM25-100UC***



Coupled with female and male NST (NH) thread, rocker lug, aluminum expansion ring couplings

Size	Bowl	Length	Part #
1½"	1-13/16" 1-13/16"	50' 100'	***DM15-50RAF*** ***DM15100RAF***
2½"	2-7/8" 2-7/8"	50' 100'	***DM25-50RAF*** ***DM25100RAF***



Coupled with female and male NPSH thread, rocker lug, aluminum expansion ring couplings

Size	Bowl	Length	Part #
1½"	1-13/16" 1-13/16"	50' 100'	***DM15-50RAS*** ***DM15100RAS***
2"	2-5/16" 2-5/16"	50' 100'	***DM20-50RAS*** ***DM20100RAS***
2½"	2-7/8" 2-7/8"	50' 100'	***DM25-50RAS*** ***DM25100RAS***



Coupled with female and male NPT thread, rocker lug, aluminum expansion ring couplings

Size	Bowl	Length	Part #
1½"	1-13/16" 1-13/16"	50' 100'	***DM15-50RAT*** ***DM15100RAT***
2"	2-5/16" 2-5/16"	50' 100'	***DM20-50RAT*** ***DM20100RAT***
2½"	2-7/8"	50'	***DM25-50RAT***



Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve

Size	Bowl	Length	Part #
1½"	1-13/16"	50' 100'	***DM15-50GAX*** ***DM15100GAX***
2"	2-5/16"	50' 100'	***DM20-50GAX*** ***DM20100GAX***

NEW



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Nitrile Washdown Hose

Application:
- ideal for industrial, agricultural and construction washdown and discharge applications, not for firefighting

Features:
- resistant to weather and abrasion
- working pressure: **200 PSI**

Coupled with NPSH female and male expansion ring couplings



Size	Length	Part #
1½"	50' 100'	***WDH15BK50RAS*** ***WDH15BK100RAS***
2"	50' 100'	***WDH20BK50RAS*** ***WDH20BK100RAS***
2½"	50' 100'	***WDH25BK50RAS*** ***WDH25BK100RAS***

Coupled with NST female and male expansion ring couplings



Size	Length	Part #
1½"	50' 100'	***WDH15BK50RAF*** ***WDH15BK100RAF***
2½"	25' 50' 100'	***WDH25BK25RAF*** ***WDH25BK50RAF*** ***WDH25BK100RAF***

Coupled with MNPT x MNPT male expansion ring couplings



Size	Length	Part #
1½"	50' 100'	***WDH15BK50RAT*** ***WDH15BK100RAT***
2"	50' 100'	***WDH20BK50RAT*** ***WDH20BK100RAT***

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Nitrile Washdown Hose

Application:
- ideal for industrial, agricultural, chemical and construction washdown and discharge applications, not for firefighting

Feature:
- resistant to weather and abrasion

Coupled with NPSH female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut

Size	Length	Part #
1½"	25' 50'	***WDH15BK25KAS*** ***WDH15BK50KAS***
2"	25' 50'	***WDH20BK25KAS*** ***WDH20BK50KAS***
2½"	25' 50'	***WDH25BK25KAS*** ***WDH25BK50KAS***
3"	25' 50'	***WDH30BK25KAS*** ***WDH30BK50KAS***



Coupled with NST (NH) female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut

Size	Length	Part #
1½"	25' 50'	***WDH15BK25KAF*** ***WDH15BK50KAF***
2½"	25' 50'	***WDH25BK25KAF*** ***WDH25BK50KAF***



Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve

Size	Length	Part #
1½"	25' 50'	***WDH15BK25GAX*** ***WDH15BK50GAX***
2"	25' 50'	***WDH20BK25GAX*** ***WDH20BK50GAX***
2½"	25' 50'	***WDH25BK25GAX*** ***WDH25BK50GAX***
3"	25' 50'	***WDH30BK25GAX*** ***WDH30BK50GAX***
4"	25' 50'	***WDH40BK25GAX*** ***WDH40BK50GAX***



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Nitrile Washdown Hose



Application:
- ideal for industrial, agricultural and construction washdown and discharge applications, not for firefighting

Feature:
- resistant to weather and abrasion

Uncoupled

Size	Color	Bowl	Length	Working Pressure	Part #
1"	black	1¼"	50'	200 PSI	***WDH10BK50UC***
	black	1¼"	100'		***WDH10BK100UC***
	yellow	1¼"	100'		***WDH10Y100UC***
	blue	1¼"	100'		***WDH10BL100UC***
1½"	black	1-13/16"	50'		***WDH15BK50UC***
	black	1-13/16"	100'		***WDH15BK100UC***
2"	black	2-5/16"	50'		***WDH20BK50UC***
	black	2-5/16"	100'		***WDH20BK100UC***
2½"	black	2-13/16"	50'		***WDH25BK50UC***
	black	2-13/16"	100'		***WDH25BK100UC***
3"	black	3⅜"	50'	150 PSI	***WDH30BK50UC***
	black	3⅜"	100'		***WDH30BK100UC***
4"	black	4⅜"	50'		***WDH40BK50UC***
	black	4⅜"	100'		***WDH40BK100UC***
6"	black	6⅜"	50'		***WDH60BK50UC***
	black	6⅜"	100'		***WDH60BK100UC***

Hot Water Washdown Hose



Features:
- smooth extruded Chlorobutyl tube
- white, wrapped Hypalon cover (.075" thick) with braided textile reinforcement
- furnished with internal stainless steel spring guards at both ends
- ¾" male on one end and ½" male on the other
- working pressure: **250 PSI**
- maximum temperature: **200°F (93°C)**

Hose ID x Length	Part #
⅝" x 25'	***SWDSHOSE25***
⅝" x 50'	***SWDSHOSE50***

Pressure Washer Braided Hose



Feature:
- maximum temperature: **250°F (121°C)**

ID	Male Swivel Inlet	Male Swivel Outlet	Pressure Rating (PSI)	Length	*Rubber* Part #
⅜"	⅜"	⅜"	**4,000**	50'	***AR503830SSP***

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Reelcraft® 5000 Series Spring Driven Hose Reels

Features:
- reel inlet ⅜" NPTF
- all steel construction
- full shaft and swivel
- supplied standard with PVC hose
- maximum temperature: **150°F (66°C)**
- Compressed air hose should not be converted to oxygen service; they are often contaminated with an oil coating, which can react explosively when oxygen is introduced.



with hose

Hose ID	Hose Length	Service	Working Pressure PSI	Part #
¼"	50'	air / water	**300**	***5450LP***
⅜"	35'	air / water	**300**	***5635LP***
	50'	air / water	**300**	***5650LP***

without hose

Hose Capacity	Service	Working Pressure PSI	Part #
50' of ¼" or 35' of ⅜"	air / water	**500**	***5600LP***
50' of ⅜"	air / water	**500**	***5605LP***

Reelcraft® 7000 Series Spring Driven Hose Reels

Features:
- all steel construction
- LP Low Pressure reels:
  - maximum temperature **150°F (66°C)**
  - reel inlet ½" NPTF
  - PVC hose is standard
- MP Medium Pressure reels:
  - maximum temperature **210°F (99°C)**
  - reel inlet ½" NPTF
  - SAE 100 R1T 1-wire braid hose available
- HP High Pressure reels:
  - maximum temperature **210°F (99°C)**
  - reel inlet ¼" NPTF
  - SAE 100 R2T 2-wire braid hose available



with hose

Hose ID	Hose Length	Service	Working Pressure PSI	Part #
⅜"	70'	air / water	**300**	***7670LP***
½"	50'	air / water	**300**	***7850LP***

without hose

Hose Capacity	Service	Working Pressure PSI	Part #
70' of ⅜", 50' of ½"	air / water	**500**	***7800LP***
50' of ⅜" or 50' of ½"	oil	**3000**	***7800MP***
50' of ¼" or 50' of ⅜"	grease	**5000**	***7600HP***

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Reelcraft® 80000 Series Spring Driven Hose Reels



see below for bumper stops, consult Dixon® for uses other than stated services

Features:
- reel inlet ¾" NPTF
- five-in-one heat treated aluminum casting incorporates main shaft, ratchet, spring arbor and inlet/outlet plumbing in one-piece casting
- furnished standard with PVC hose
- maximum temperature is **150°F (66°C)** *with hose*
- maximum temperature is **210°F (99°C)** *without hose*

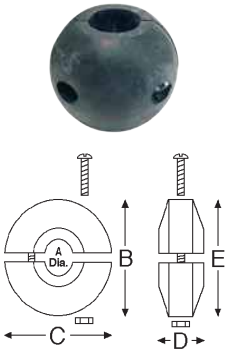
with hose

Hose ID	Hose Length	Service	Working Pressure PSI	Part #
½"	75'	air / water	**300**	***82075LP***
	100'	air / water	**300**	***82100LP***
¾"	50'	air / water	**250**	***83050LP***

without hose

Hose Capacity	Service	PSI	Part #
50' of ¾" or 100' of ½"	air / water	**500**	***83000LP***

Adjustable Hose Bumper Stops



Hose ID	Hose OD From:	Hose OD To:	Dimensions B,C,E	Dimensions D	Reel Series Used On	Part #
¼"	.438"	.625"	2½"	1¼"	5000	***1-HR1004A***
⅜"	.625"	.749"	2½"	1¼"	5000	***1-HR1004***
⅜"	.625"	.749"	3"	1¼"	7000	***1-HR1004-3***
½" or ⅜" 2-wire	.750"	1.050"	3"	1¼"	7000	***2-HR1004-3***
¾"	1.060"	1.300"	3"	1¼"	7000	***3-HR1004-3***
½"	.750"	1.050"	3½"	2⅞"	9000	***2-HR1005***
¾"	1.060"	1.380"	3½"	2⅞"	9000	***3-HR1005***
1"	1.390"	1.550"	3½"	2⅞"	9000	***4-HR1005***

- not included on hose reels ordered without hose, must order separately

Reelcraft® 30,000 Manual Driven Hose Reels



Features:
- reel frame, spool and drum are fabricated from heavy gauge steel
- all bolted construction - no welds
- manual driven standard
- motor drive available
- ½" inlet

without hose

Hose ID	Hose Capacity	Spool Width	Working Pressure PSI	Part #
¾"	100'	12"	1000	***C33112L***
½"	200'	12"	3000	***C32112M***

N

Hand Crank Hose Reel



Features:
- working PSI: **3,000 PSI**
- maximum temperature: **160°F (71°C)**
- ⅜" outlet, ⅜" inlet
- includes jumper hose, mounting bracket and crank handle
- holds 100' of ⅜" pressure hose

Steel Part #
AR-REEL100

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Contractors EPDM Water Hose

Features:
- heavy duty, crush proof solid brass couplings with wrench grips
- spiral synthetic cord reinforcement
- black cover
- working pressure: **150 PSI**
- temperature range: **-20°F** to **180°F (-29°C** to **82°C)**



Size	*EPDM* Part #	Optional Qty
¾" x 50'	***CWH50***	3

Rubber Vinyl Garden Hose

Features:
- extra tough, five-ply construction
- exclusive, soft textured, abrasion-resistant green cover
- dual reinforced, heavy-duty, flexibility, kink resistance
- combines durability of rubber, easy handling of vinyl
- SEAL-TITE® leakproof coupling
- working pressure: **400 PSI**
- temperature range: **0°F** to **140°F (-18°C** to **60°C)**



Size	*Rubber Vinyl* Part #	Optional Qty
⅝" x 25'	***SGH25***	5
⅝" x 50'	***SGH50***	5
⅝" x 75'	***SGH75***	3
⅝" x 100'	***SGH100***	3

Premium EPDM Hose

Features:
- professional grade reinforcement provides maximum strength
- heavy-duty flexibility
- ultimate kink resistance
- SEAL-TITE® leakproof coupling
- lead-free drinking water safe
- 40% lighter than standard rubber hose
- black cover
- working pressure: **400 PSI**
- temperature range: **-40°F** to **165°F (-40°C** to **74°C)**



Size	*EPDM* Part #	Optional Qty
⅝" x 50'	***PGH50***	4
⅝" x 100'	***PGH100***	4

Flexogen® Hose

Features:
- heavy-duty, crush resistant, full-flow brass couplings with a built-in washer for tight sealing
- coils and handles easily in all weather
- lightweight patented 8-ply construction
- maximum kink resistance
- flow guard plus protective collar resists kinks at faucet
- polished surface resists abrasions, stains and mildew
- grey cover



Size	*Flexogen®* Part #
⅝" x 25'	***FGH25***
⅝" x 50'	***FGH50***

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Perfect Water Hose



Features
- for residential and industrial use
- lightweight, easy handling
- heavy duty male and female garden hose fittings
- blue cover
- polypropylene double helix construction with TPE cover
- flexible and kink-free
- working pressure: **100 PSI** at **70°F (21°C)**
- burst pressure: **300 PSI** at **70°F (21°C)**
- temperature range: **-20°F** to **158°F (-29°C** to **70°C)**

Size	Part #
⅝" x 25'	***PWH25***
⅝" x 50'	***PWH50***
⅝" x 100'	***PWH100***

Premium Flexzilla® Garden Hose



Features:
- temperature range: **-40°F** to **150°F (-40°C** to **66°C)**
- anodized aircraft aluminum fittings ¾" - 11½ GHT fittings on both ends of hose
- kink resistant under pressure
- no memory - lays flat, coils easily
- abrasion resistant
- rugged bend restrictors
- lightweight
- lime green cover

Size	*Hybrid Polymer* Part #
⅝" x 50'	***KRH50***
⅝" x 75'	***KRH75***
⅝" x 100'	***KRH100***

Top Level PVC Hose



Features:
- heavy-duty ¾" brass couplings
- kink resistant
- green cover
- working pressure: **100 PSI**
- temperature range: **15°F** to **150°F (-9°C** to **66°C)**

Size	*PVC* Part #
⅝" x 50'	***GGH50***
⅝" x 75'	***GGH75***

Hot Water Rubber Reinforced Hose



Features:
- industrial style reinforcing for flexibility, high burst strength
- extra heavy-duty, crush-proof, machined brass couplings
- maximum wear, abrasion-resistant red cover
- lead-free drinking water safe
- 40% lighter than standard rubber hose
- withstands extensive hot water up to **-40°F** to **165°F (-40°C** to **74°F)**
- working pressure: **400 PSI**

Size	*Rubber* Part #	Optional Qty
⅝" x 50'	***HWH50***	4
¾" x 50'	***HWH50-75***	4

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Marine, Camper, Patio & Pool Hose

Features:
- lightweight to handle, easy to store
- USFDA - approved tube materials for food contact use
- nickel plated couplings
- lead-free drinking water safe
- white cover
- working pressure: **300 PSI** at ambient temperature **70°F (21°C)**



Size	Part #	Optional Qty
⅝" x 50'	***MCH50***	5

Country Club® RT Hose

Features:
- for golf courses, parks, nurseries
- premium PVC for high strength, flexibility
- lightweight, easy handling
- industrial knit reinforcing for kink resistance
- heavy duty 1" NPSH brass couplings
- green cover
- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- burst pressure: **450 PSI**



Size	*PVC* Part #	Optional Qty
1" x 50'	***CCH50***	2

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PVC Tubing

Application:
- for use with standard shank fittings in low pressure liquid and pneumatic applications

domestic

Features:
- for non-critical hospital use such as suction and draining
- made from non-toxic ingredients conforming to FDA and 3A standards
- shipped in individually boxed bundles, *sold only in lengths shown below*
- maximum temperature: **175°F (79°C)**



Size OD	Size ID	Working Pressure PSI @ **72°F (22°C)**	Length	*Clear PVC* Part #
5/16"	3/16"	**55**	100'	***CL0305***
3/8"	1/4"	**55**	100'	***CL0406***
1/2"	1/4"	**70**	100'	***CL0408***
7/16"	5/16"	**50**	100'	***CL0507***
1/2"	3/8"	**40**	100'	***CL0608***
5/8"	3/8"	**65**	100'	***CL0610***
5/8"	1/2"	**30**	100'	***CL0810***
3/4"	1/2"	**45**	100'	***CL0812***
7/8"	5/8"	**40**	100'	***CL1014***
1"	3/4"	**35**	100'	***CL1216***
1-1/4"	1"	**28**	100'	***CL1620***
1-3/4"	1-1/4"	**45**	50'	***CL2028-50***
2"	1-1/2"	**40**	50'	***CL2432-50***

imported

Features:
- temperature range: **14°F** to **149°F (-10°C** to **65°C)**
- shipped in bundles wrapped with PVC film, *sold only in lengths shown below*



Size OD	Size ID	Working Pressure PSI @ **72°F (22°C)**	Length	*Clear PVC* Part #
⅜"	¼"	**50**	100'	***ICL0406***
½"	⅜"	**35**	100'	***ICL0608***
⅝"	½"	**35**	100'	***ICL0810***
¾"	½"	**50**	100'	***ICL0812***
1"	¾"	**35**	100'	***ICL1216***
1¼"	1"	**30**	100'	***ICL1620***
2"	1½"	**15**	50'	***ICL2432***

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PVC Braided Tubing

Application:
- for use with standard shank fittings in low pressure liquid and pneumatic applications

domestic

Features:
- high grade tensile strength polyester yarn reinforcement
- temperature range: **27°F** to **150°F (-3C** to **66°C)**
- shipped in coils, *sold only in lengths shown below*



Size OD	Size ID	Working Pressure PSI @ **72°F (22°C)**	Length	*Clear PVC* Part #
.394	3/16"	**315**	300'	***BR0306***
.435	1/4"	**315**	300'	***BR0446***
.625	3/8"	**265**	300'	***BR0609***
.728	1/2"	**215**	300'	***BR0812***
.906	5/8"	**200**	300'	***BR1014***
1.024	3/4"	**150**	300'	***BR1218***
1.732	1-1/4"	**110**	100'	***BR2027***
1.950	1-1/2"	**90**	100'	***BR2431***

imported

Features:
- for various machine tools and the transportation of chemicals
- temperature range: **14°F** to **149°F (-10°C** to **65°C)**
- shipped in bundles wrapped with PVC film, *sold only in lengths shown below*



Size OD	Size ID	Working Pressure PSI @ **72°F (22°C)**	Length	*Clear PVC* Part #
1/2"	1/4"	**142**	300'	***IBR0446***
5/8"	3/8"	**114**	300'	***IBR0609***
3/4"	1/2"	**100**	300'	***IBR0812***
1-1/16"	3/4"	**71**	300'	***IBR1218***
1-5/16"	1"	**71**	200'	***IBR1621***

D.O.T. Air Brake Tubing Rolls

Features:
- meets Department of Transportation FMVSS-106 nylon material conforming to SAE J844
- working pressure: **150 PSI**
- temperature range: **-40°F** to **200°F (-40°C** to **93°C)**
- tubing cutters sold on page 892



Tube Size	Tubing Color	Length	*Nylon* Part #
3/16"	black	100'	***J844-03-BL-100***
¼"	black	100'	***J844-04-BL-100***
	blue	100'	***J844-04-B-100***
	red	100'	***J844-04-R-100***
⅜"	black	100'	***J844-06-BL-100***
	blue	100'	***J844-06-B-100***
	red	100'	***J844-06-R-100***
1/2"	black	100'	***J844-08-BL-100***
5/8"	black	100'	***J844-10-BL-100***
3/4"	black	100'	***J844-12-BL-100***

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Polyurethane Tubing



Features:
- naturally transparent
- temperature range: **-40°F** to **165°F (-40°C** to **74°C)**
- for use with the push-in fittings sold on pages 342-350
- excellent memory, flexibility and resistance to kinking
- good resistance to fuels and oils
- low gas and vapor permeability
- high compressive strength
- low compressive set and extractability levels
- outstanding abrasion resistance

Size OD	Size ID	Wall Thickness	Working Pressure PSI @ **75°F (24°C)**	Length	*Polyurethane* Part #
1/8"	.062"	.0295"	**255**	250'	***04063***
5/32"	.094"	.0315"	**210**	100'	***05094***
1/4"	.160"	.0450"	**175**	100'	***08160***
3/8"	.245"	.0650"	**170**	100'	***12250***
1/2"	.320"	.0900"	**175**	50'	***16320***

Polyethylene Tubing



Features:
- designed for FDA applications, complies with 21CFR 177.1520 (c) food contact
- temperature range: **-50°F** to **140°F (-46°** to **60°C)**
- for use with the push-in fittings sold on pages 342-350
- flexible, lightweight, low-density polyethylene (LLDPE) tubing
- for use with plastic or metal inserts with outer sleeve; ferrule or clamps
- formulated to resist stress cracking

Size OD	Size ID	Wall Thickness	Working Pressure PSI @ **75°F (24°C)**	Length	Tubing Color	*Polyethylene* Part #
¼"	.125"	.062"	**350**	100'	natural	***0804***
¼"	.170"	.040"	**150**	100'	natural	***0817***
¼"	.170"	.040"	**150**	100'	blue	***0817BL100***
⅜"	.250"	.062"	**150**	100'	natural	***1208***
½"	.375"	.062"	**125**	100'	natural	***1612***

Size OD	Size ID	Wall Thickness	Working Pressure PSI @ **75°F (24°C)**	Length	Tubing Color	*Polyethylene* Part #
¼"	.170"	.040"	**150**	500'	blue	***0817BL***
¼"	.170"	.040"	**150**	500'	black	***0817BR***
¼"	.170"	.040"	**150**	500'	natural	***0817CR***
⅜"	.250"	.062"	**150**	500'	black	***1208BR***
⅜"	.250"	.062"	**150**	500'	natural	***1208CR***

Nylon Tubing



Features:
- naturally transparent
- temperature range: **-40°F** to **180°F (-40°C** to **82°C)**
- for use with the push-in fittings sold on pages 342-350
- recommended for applications requiring low density, lightweight toughness, flexibility and chemical resistance
- packaged in plastic bags

Size OD	Size ID	Wall Thickness	Working Pressure PSI @ **75°F (24°C)**	Length	*Nylon* Part #
1/8"	.093"	.016"	**270**	100'	***04093***
5/32"	.106"	.025"	**350**	100'	***05106***
3/16"	.138"	.025"	**260**	100'	***06138***
1/4"	.170"	.040"	**330**	100'	***08170***
1/4"	.180"	.035"	**290**	100'	***08180***
3/8"	.275"	.050"	**250**	100'	***12275***
1/2"	.375"	.062"	**240**	100'	***16375***

Tubing cutters sold on page 892

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Legris Nylon Tubing



Application:
- ideal for many industrial applications

Features:
- chemical, humidity and abrasive resistant
- semi rigid
- temperature range: **-65°F** to **200°F (-54°C** to **93°C)**

Size OD	Size ID	Wall Thickness	Working Pressure PSI @ **75°F (24°C)**	Length	*Natural Nylon* Part #	*Black Nylon* Part #	*Blue Nylon* Part #
1/8"	.093"	.016"	**250**	50'	***1091P5300***	***1091P5301***	***1091P5304***
5/32"	.106"	.025"	**300**	50'	***1091P0400***	***1091P0401***	***1091P0404***
3/16"	.138"	.025"	**250**	50'	***1091P5500***	***1091P5501***	***---***
1/4"	.170"	.040"	**300**	50'	***1091P5600***	***1091P5601***	***1091P5604***
5/16"	.233"	.040"	**250**	50'	***1091P0800***	***1091P0801***	***1091P0804***
3/8"	.275"	.050"	**250**	50'	***1091P6000***	***1091P6001***	***1091P6004***
1/2"	.375"	.062"	**250**	50'	***1091P6200***	***1091P6201***	***1091P6204***

Size OD	Size ID	Wall Thickness	Working Pressure PSI @ **75°F (24°C)**	Length	*Natural Nylon* Part #	*Black Nylon* Part #	*Blue Nylon* Part #
1/8"	.093"	.016"	**250**	100'	***1094P5300***	***1094P5301***	***1094P5304***
5/32"	.106"	.025"	**300**	100'	***1094P0400***	***1094P0401***	***1094P0404***
3/16"	.138"	.025"	**250**	100'	***1094P5500***	***1094P5501***	***---***
1/4"	.170"	.040"	**300**	100'	***1094P5600***	***1094P5601***	***1094P5604***
5/16"	.233"	.040"	**250**	100'	***1094P0800***	***1094P0801***	***1094P0804***
3/8"	.275"	.050"	**250**	100'	***1094P6000***	***1094P6001***	***1094P6004***
1/2"	.375"	.062"	**250**	100'	***1094P6200***	***1094P6201***	***1094P6204***

Polyurethane - 95 Durometer Tubing



Application:
- good for applications where space is tight; for applications where tubing will be exposed, black tubing is recommended

Features:
- high flexibility and a small bend radius
- temperature range: **-40°F** to **165°F (-40°C** to **74°C)**

Size OD	Size ID	Wall Thickness	Working Pressure PSI @ **75°F (24°C)**	Length	*Clear Polyurethane* Part #	*Black Polyurethane* Part #	*Blue Polyurethane* Part #
1/8"	.062"	.031"	**233**	50'	***1091U53R00***	***1091U5301***	***1091U5304***
5/32"	.093"	.031"	**176**	50'	***1091U04R00***	***1091U0401***	***1091U0404***
1/4"	.160"	.045"	**148**	50'	***1091U56R00***	***1091U5601***	***1091U5604***
5/16"	.216"	.049"	**148**	50'	***1091U08R00***	***1091U0801***	***1091U0804***
3/8"	.250"	.066"	**147**	50'	***1091U60R00***	***1091U6001***	***1091U6004***
1/2"	.320"	.090"	**140**	50'	***1091U62R00***	***1091U6201***	***1091U6204***

Size OD	Size ID	Wall Thickness	Working Pressure PSI @ **75°F (24°C)**	Length	*Clear Polyurethane* Part #	*Black Polyurethane* Part #	*Blue Polyurethane* Part #
1/8"	.062"	.031"	**233**	100'	***1094U53R00***	***1094U5301***	***1094U5304***
5/32"	.093"	.031"	**176**	100'	***1094U04R00***	***1094U0401***	***1094U0404***
1/4"	.160"	.045"	**148**	100'	***1094U56R00***	***1094U5601***	***1094U5604***
5/16"	.216"	.049"	**148**	100'	***1094U08R00***	***1094U0801***	***1094U0804***
3/8"	.250"	.066"	**147**	100'	***1094U60R00***	***1094U6001***	***1094U6004***
1/2"	.320"	.090"	**140**	100'	***1094U62R00***	***1094U6201***	***1094U6204***

Fluoropolymer FEP 140 Tubing

Features:
- FDA compliant materials
- provides excellent resistance to aggressive and corrosive agents and high temperatures
- maximum temperature: **300°F (149°C)**



Size OD	Size ID	Wall Thickness	Working Pressure PSI @ **72°F (22°C)**	Length	*Clear Fluoropolymer* Part #
⅛"	.062"	.031"	**500**	25'	***1092T5300***
¼"	.170"	.031"	**165**	25'	***1092T5600***
⅜"	.300"	.062"	**249**	25'	***1092T6000***
½"	.420"	.062"	**165**	25'	***1092T6200***

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Coil-Chief Self-Storing Air Hose



hose - *fittings included*

Feature:
- supplied with swivel on one end

Hose ID	Length	Male NPT	Working Pressure @ 70°F (21°C)	*Nylon* Part #
¼"	12'	¼"	**185**	***CC1412***
	25'	¼"	**185**	***CC1425***
	50'	¼"	**185**	***CC1450***
⅜"	25'	⅜"	**165**	***CC3825***
	50'	⅜"	**165**	***CC3850***
½"	25'	½"	**170**	***CC1225***
	50'	½"	**170**	***CC1250***



bulk hose - *no fittings*

- need assembly kits below for ends

Hose ID	Length	*Nylon* Part #
¼"	100'	***CC14100B***
⅜"	100'	***CC38100B***
½"	100'	***CC12100B***

Assembly Kits

- kit includes: fittings, nut, insert, ferrule and spring guard



RK110 assembly kit

Size	Fitting Type	Part #
¼"	rigid male	***RK090***
¼"	swivel male	***RK092***
⅜"	rigid male	***RK110***
⅜"	swivel male	***RK112***
½"	rigid male	***RK118***
½"	swivel male	***RK119***

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Polyurethane Self-Storing Air Hose

(fittings included)

Features:

- extremely flexible - resists kinking
- impervious to abrasions, heat and oil
- superior elasticity and coil memory
- both ends swivel



Hose ID	Length	Male NPT	Working Pressure (PSI)	*Polyurethane* Part #
¼"	10'	¼"	**145**	***PU1410***
	15'	¼"	**145**	***PU1415***
	25'	¼"	**145**	***PU1425***
⅜"	15'	⅜"	**135**	***PU3815***
	20'	⅜"	**135**	***PU3820***
	25'	⅜"	**135**	***PU3825***
	50'	⅜"	**135**	***PU3850***
½"	15'	½"	**155**	***PU1215***

Repair Kits



Size	Tubing Size ID	Tubing Size OD	Type	*Brass* Part #
¼"	¼"	3/8"	swivel male	***PSM0404***
	⅜"	9/16"	swivel male	***PSM0604***

Polyurethane Air Hose

(fittings included)

Features:

- durable and lightweight
- nylon-reinforced braid allows for higher working pressure
- excellent flexibility
- oil resistant
- durometer: Shore A 85
- temperature range: **-40°F** to **155°F (-40°C** to **68°C)**
- working pressure: **210 PSI** at **70°F (21°C)**



Hose ID	Length	Male NPT	*Polyurethane* Part #
¼"	50'	¼"	***450-4S***
⅜"	50'	¼"	***650-4S***
	50'	⅜"	***650-6S***

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PVC Tubing and Hose Cutters



Features:
- rugged construction cuts up to ¾" tubing or hose
- corrosion resistant hardened steel blade ensures straight, crisp cuts for optimum fit

Part #
TC97
TC97RB



Features:
- cuts low pressure fabric reinforced hose up to 1" OD
- reversible blade

Part #
HC90
HC90RB *(replacement blade)*



Features:
- cuts hose and tubing up to 1⅞" OD
- tough fiberglass reinforced handle
- stainless steel blade

Part #
LHC95
LHC95RB *(replacement blade)*

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Nominal

Application:
- suitable for conveying chemicals, foods, pharmaceuticals, oils, gas, fuels and steam

Features:
- nominal standard smooth bore PTFE hose meets SAE100R14
- size range: dash-3 to dash-20
- temperature range: **-100°F to 450°F (-73°C** to **232°C)**
- 304 stainless braided
- extruded or heat shrink coverings are available upon request
- boxed coils (bulk, per ft. lengths and full reels available from Maryland and Texas call Dixon® at 888.226.4673)

- for use with PTFE fittings on the following page

Nominal Smooth Bore PTFE Hose
(fittings not included)





Nominal Size	Average ID	Length in Feet	Dash Size	Working Pressure	Burst Pressure	*White, non-conductive* Part #	*Black, conductive* Part #
3/16"	.125"	100'	dash-3	**3000 PSI**	12000	**---**	***BSB-03-100***
1/4"	.187"	100'	dash-4	**3000 PSI**	12000	***WSB-04-100***	***BSB-04-100***
5/16"	.250"	100'	dash-5	**3000 PSI**	12000	***WSB-05-100***	***BSB-05-100***
3/8"	.312"	100'	dash-6	**2500 PSI**	10000	***WSB-06-100***	***BSB-06-100***
3/8T"	.375"	100'	dash-6T	**2250 PSI**	9000	***WSB-06T-100***	***BSB-06T-100***
1/2"	.405"	100'	dash-8	**2000 PSI**	8000	***WSB-08-100***	***BSB-08-100***
5/8"	.500"	100'	dash-10	**1750 PSI**	7000	***WSB-10-100***	***BSB-10-100***
3/4"	.625"	100'	dash-12	**1500 PSI**	6000	***WSB-12-100***	***BSB-12-100***
3/4T"	.750"	50'	dash-12T	**1100 PSI**	4400	***WSB-12T-50***	***BSB-12T-50***
1"	.875"	50'	dash-16	**1000 PSI**	4000	***WSB-16-50***	***BSB-16-50***

Nominal Smooth Bore PTFE Hose Per Foot Length
(fittings not included)

Nominal Size	Average ID	Dash Size	*White, non-conductive* Part #	*Black, conductive* Part #
3/16"	.125"	dash-3	***WSB-03***	***BSB-03***
1/4"	.187"	dash-4	***WSB-04***	***BSB-04***
5/16"	.250"	dash-5	***WSB-05***	***BSB-05***
3/8"	.312"	dash-6	***WSB-06***	***BSB-06***
3/8T"	.375"	dash-6T	***WSB-06T***	***BSB-06T***
1/2"	.405"	dash-8	***WSB-08***	***BSB-08***
5/8"	.500"	dash-10	***WSB-10***	***BSB-10***
3/4"	.625"	dash-12	***WSB-12***	***BSB-12***
3/4T"	.750"	dash-12T	***WSB-12T***	***BSB-12T***
1"	.875"	dash-16	***WSB-16***	***BSB-16***
1T"	1.000"	dash-16T	***WSB-16T***	***BSB-16T***
1-1/4"	1.125"	dash-20Z	***WSB-20Z*** [1]	***BSB-20Z*** [1]

[1] double braided
- per feet lengths are available from Maryland and Texas only, call Dixon® at 888.226.4673

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Nominal Fittings

Crimp Collars for all nominal fittings are included

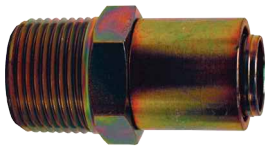
- for use with PTFE hoses on the previous pages

Female JIC Swivels



Hose Size	Thread Size	*Carbon Steel* Part #	*304 Stainless Steel* Part #	*Brass* Part #
dash 4	¼"	***FJC-04-04***	***FJS-04-04***	***FJB-04-04***
dash 5	5/16"	***FJC-05-05***	***FJS-05-05***	***FJB-05-05***
dash 6	⅜"	***FJC-06-06***	***FJS-06-06***	***FJB-06-06***
dash 8	½"	***FJC-08-08***	***FJS-08-08***	***FJB-08-08***
dash 10	⅝"	***FJC-10-10***	***FJS-10-10***	***FJB-10-10***
dash 12	¾"	***FJC-12-12***	***FJS-12-12***	***FJB-12-12***
dash 16	1"	***FJC-16-16***	***FJS-16-16***	***FJB-16-16***
dash 20Z	1¼"	***FJC-20Z-20***	***FJS-20Z-20***	***FJB-20Z-20***

Rigid Male Pipe Fittings



Hose Size	Thread Size	*Carbon Steel* Part #	*304 Stainless Steel* Part #	*Brass* Part #
dash 4	⅛"	***MPC-04-02***	***MPS-04-02***	***MPB-04-02***
dash 4	¼"	***MPC-04-04***	***MPS-04-04***	***MPB-04-04***
dash 5	¼"	***MPC-05-04***	***MPS-05-04***	***MPB-05-04***
dash 6	¼"	***MPC-06-04***	***MPS-06-04***	***MPB-06-04***
dash 6	⅜"	***MPC-06-06***	***MPS-06-06***	***MPB-06-06***
dash 8	⅜"	***MPC-08-06***	***MPS-08-06***	***MPB-08-06***
dash 8	½"	***MPC-08-08***	***MPS-08-08***	***MPB-08-08***
dash 10	½"	***MPC-10-08***	***MPS-10-08***	***MPB-10-08***
dash 12	¾"	***MPC-12-12***	***MPS-12-12***	***MPB-12-12***
dash 16	1"	***MPC-16-16***	***MPS-16-16***	***MPB-16-16***
dash 20Z	1¼"	***MPC-20Z-20***	***MPS-20Z-20***	***MPB-20Z-20***

Female SAE Swivels



Hose Size	Thread Size	*Carbon Steel* Part #	*Brass* Part #
dash 6	⅜"	***SAEC-06-06***	***SAEB-06-06***
dash 12	¾"	***SAEC-12-12***	***SAEB-12-12***

Nominal PTFE Hose Insertion Tool and Dies



Feature:

- takes the hassle out of installing crimp collars onto braided PTFE Hose; with a few simple steps even challenging braid can be easily and safely inserted into the crimp collar

Size	Description	Part #
---	tool / die holder	***ITDH***
dash 4	die	***ITD-04***
dash 5	die	***ITD-05***
dash 6	die	***ITD-06***
dash 8	die	***ITD-08***
dash 10	die	***ITD-10***
dash 12	die	***ITD-12***
dash 16	die	***ITD-16***

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Nominal PTFE Hose Insertion Tool and Dies

Feature:
- takes the hassle out of installing crimp collars onto braided PTFE Hose; with a few simple steps even challenging braid can be easily and safely inserted into the crimp collar

Description	Size	Part #
tool / die holder	---	***ITDH***
die	dash 4	***ITD-04***
die	dash 5	***ITD-05***
die	dash 6	***ITD-06***
die	dash 8	***ITD-08***
die	dash 10	***ITD-10***
die	dash 12	***ITD-12***
die	dash 16	***ITD-16***



Nominal Smooth Bore PTFE Hose Fittings

Crimp Collars for all nominal fittings are included

- for use with PTFE hoses on pages 893 - 896

Tube End Stubs

Hose Size	Tube Size	*304 Stainless Steel* Part #
dash 4	¼"	***TES-04-04***
dash 6	⅜"	***TES-06-06***
dash 8	½"	***TES-08-08***
dash 12	¾"	***TES-12-12***
dash 16	1"	***TES-16-16***



45° FJIC Fittings

Hose Size	Thread Size	*304 Stainless Steel* Part #	*Carbon Steel* Part #
dash 3	3/16"	***FJS45-03-03***	***FJC45-03-03***
dash 4	¼"	***FJS45-04-04***	***FJC45-04-04***
dash 5	5/16"	***FJS45-05-05***	***FJC45-05-05***
dash 6	⅜"	***FJS45-06-06***	***FJC45-06-06***
dash 8	½"	***FJS45-08-08***	***FJC45-08-08***
dash 10	⅝"	***FJS45-10-10***	***FJC45-10-10***
dash 12	¾"	***FJS45-12-12***	***FJC45-12-12***
dash 16	1"	***FJS45-16-16***	***FJC45-16-16***
dash 20Z	1¼"	***FJS45-20Z-20***	***FJC45-20Z-20***



90° FJIC Fittings

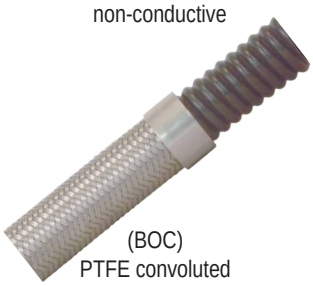
Hose Size	Thread Size	*304 Stainless Steel* Part #	*Carbon Steel* Part #
dash 3	3/16"	***FJS90-03-03***	***FJC90-03-03***
dash 4	¼"	***FJS90-04-04***	***FJC90-04-04***
dash 5	5/16"	***FJS90-05-05***	***FJC90-05-05***
dash 6	⅜"	***FJS90-06-06***	***FJC90-06-06***
dash 8	½"	***FJS90-08-08***	***FJC90-08-08***
dash 10	⅝"	***FJS90-10-10***	***FJC90-10-10***
dash 12	¾"	***FJS90-12-12***	***FJC90-12-12***
dash 16	1"	***FJS90-16-16***	***FJC90-16-16***
dash 20Z	1¼"	***FJS90-20Z-20***	***FJC90-20Z-20***



True ID Hose



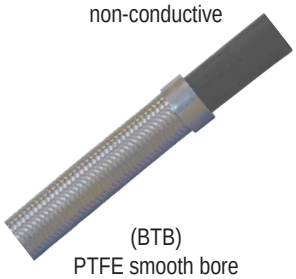
(WOC)
PTFE convoluted
non-conductive



(BOC)
PTFE convoluted
conductive



(WTB)
PTFE smooth bore
non-conductive



(BTB)
PTFE smooth bore
conductive

Application:
- suitable for conveying acids, chemicals, foods and pharmaceuticals

Features:
- size range: ¼" to 2"
- temperature range: **-100°F** to **450°F (-73°C** to **232°C)**
- boxed coils (bulk, per ft. lengths and full reels available from Maryland and Texas, call Dixon® at 888.226.4673)
- 304 stainless braided
- other braids including synthetic, extruded and heat shrink coverings are available upon request

- for use with PTFE fittings on pages 894 - 895

True ID Open Pitch Convoluted Hose

(fittings not included)

Size	Working Pressure PSI	Burst Pressure PSI	*White, non-conductive* Part #	*Black, conductive* Part #
¼"	**1740**	**6960**	***WOC-T04***	***BOC-T04***
⅜"	**1850**	**7400**	***WOC-T06***	***BOC-T06***
½"	**1500**	**6000**	***WOC-T08***	***BOC-T08***
¾"	**1300**	**5200**	***WOC-T12***	***BOC-T12***
1"	**1000**	**4000**	***WOC-T16***	***BOC-T16***
1¼"	**900**	**3600**	***WOC-T20***	***BOC-T20***
1½"	**700**	**2800**	***WOC-T24***	***BOC-T24***
2"	**500**	**2000**	***WOC-T32***	***BOC-T32***

Heavy Wall True ID Smooth Bore Hose

(fittings not included)

Size	Working Pressure PSI	Burst Pressure PSI	*White, non-conductive* Part #	*Black, conductive* Part #
¼"	**3000**	**12000**	***WTB-T04***	***BTB-T04***
⅜"	**2250**	**9000**	***WTB-T06***	***BTB-T06***
½"	**1500**	**6000**	***WTB-T08***	***BTB-T08***
¾"	**1100**	**4400**	***WTB-T12***	***BTB-T12***
1"	**900**	**3600**	***WTB-T16***	***BTB-T16***
1"	**1650**	**6600**	***WTB-T16Z***	***BTB-T16Z***
1¼"	**1000**	**4000**	***WTB-T20Z***	***BTB-T20Z***
1½"	**1100**	**4000**	***WTB-T24Z***	***BTB-T24Z***

True ID Fittings

Crimp collars for all True ID fittings are sold separately

Female JIC Swivels



Size	*Carbon Steel* Part #	*316 Stainless Steel* Part #
¼"	***FJC-T04***	***FJR-T04***
⅜"	***FJC-T06***	***FJR-T06***
½"	***FJC-T08***	***FJR-T08***
¾"	***FJC-T12***	***FJR-T12***
1"	***FJC-T16***	***FJR-T16***
1¼"	***FJC-T20***	***FJR-T20***
1½"	***FJC-T24***	***FJR-T24***
2"	***FJC-T32***	***FJR-T32***

Rigid Male Pipe Fittings



Size	*Carbon Steel* Part #	*316 Stainless Steel* Part #
¼"	***MPC-T04***	***MPR-T04***
⅜"	***MPC-T06***	***MPR-T06***
½"	***MPC-T08***	***MPR-T08***
¾"	***MPC-T12***	***MPR-T12***
1"	***MPC-T16***	***MPR-T16***
1¼"	***MPC-T20***	***MPR-T20***
1½"	***MPC-T24***	***MPR-T24***
2"	***MPC-T32***	***MPR-T32***

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True ID Fittings

PTFE Hose Fittings

- for use with PTFE hoses on pages 893 - 896

Sanitary Tri-Clamps

Hose Size	Clamp Size	*316 Stainless Steel* Part #
½"	1"	***TCR-T08-16***
½"	1½"	***TCR-T08-24***
¾"	1½"	***TCR-T12-24***
1"	1"	***TCR-T16-16***
1"	1½"	***TCR-T16-24***
1½"	1½"	***TCR-T24-24***
2"	2"	***TCR-T32-32***



Mini Sanitary Tri-Clamps

Size	*316 Stainless Steel* Part #
½"	***TCMR-T08***
¾"	***TCMR-T12***



- contact Dixon® at 888.226.4673 for GSM and PTFE hose assemblies

Flange Retainers

Feature:

- for use with lap joint flanges, see pages 688 - 689

Size	*316 Stainless Steel* Part #	*316 Stainless Steel PTFE Encapsulated* Part #
½"	***FRR-T08***	***---***
¾"	***FRR-T12***	***FRRE-T12***
1"	***FRR-T16***	***FRRE-T16***
1¼"	***FRR-T20***	***FRRE-T20***
1½"	***FRR-T24***	***FRRE-T24***
2"	***FRR-T32***	***FRRE-T32***



Crimp Collars

Convoluted Crimp Collar

Features:

- for open pitch convoluted PTFE hose only
- new design for ease of installation and improved appearance of finished crimp

Size	*Carbon Steel* Part #	*304 Stainless Steel* Part #
¼"	***CSC-T04-1***	***SSC-T04-1***
⅜"	***CSC-T06-1***	***SSC-T06-1***
½"	***CSC-T08-1***	***SSC-T08-1***
¾"	***CSC-T12-1***	***SSC-T12-1***
1"	***CSC-T16-1***	***SSC-T16-1***
1¼"	***CSC-T20-1***	***SSC-T20-1***
1½"	***CSC-T24-1***	***SSC-T24-1***
2"	***CSC-T32-1***	***SSC-T32-1***



Smooth Bore Crimp Collars

Features:

- for True ID smooth bore PTFE hose only
- new design for ease of installation and improved appearance of finished crimp

Size	*Carbon Steel* Part #	*304 Stainless Steel* Part #
¼"	***CSC-T04-2***	***SSC-T04-2***
⅜"	***CSC-T06-2***	***SSC-T06-2***
½"	***CSC-T08-2***	***SSC-T08-2***
¾"	***CSC-T12-2***	***SSC-T12-2***
1"	***CSC-T16-2***	***SSC-T16-2***
1¼"	***CSC-T20-2***	***SSC-T20-2***
1½"	***CSC-T24-2***	***SSC-T24-2***



Contact Dixon® at 888.226.4673 for assembly instructions and crimp recommendations.

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Spiral Hose and Cable Protection

Application:
- used in mining, quarrying, forestry, offshore industries and most hydraulic hose applications

Features:
- crush and high abrasion resistance
- chemical and UV ray resistant
- self-lubricating to reduce hose wear
- easy to install on-site
- smooth radius on all edges
- can be used on single or multiple hose bundles
- spiral guard ID is equal to the guard at rest
- sold in coil lengths only

Flame Retardant Product

Features:
- approved by MSHA #1C-264/0
- tested to: AS 2600, AS1180.10B, AS 1180.13A
- flame retardant, self extinguishing, anti static
- temperature range: **-148°F** to **262°F (-100°C** to **128°C)**
- color: black



Nominal ID	Coil Length	OD Range (inches)	Part #
0.45"	66'	.47" to .86"	***FRSGX16***
0.55"	66'	.62" to 1.06"	***FRSGX20***
0.80"	66'	.86" to 1.37"	***FRSGX25***
1.00"	66'	1.06" to 1.69"	***FRSGX32***
1.26"	66'	1.30" to 2.17"	***FRSGX40***
1.50"	66'	1.65" to 2.52"	***FRSGX50***
2.00"	66'	2.05" to 2.95"	***FRSGX63***
2.40"	66'	2.56" to 3.80"	***FRSGX75***
2.83"	66'	3.15" to 4.30"	***FRSGX90***
3.43"	33'	3.80" to 4.90"	***FRSGX110***

Standard Product

Features:
- not flame retardant
- temperature range: **-40°F** to **248°F (-40°C** to **120°C)**



Nominal ID	Coil Length	OD Range (inches)	Part #
0.45"	66'	.47" to .86"	***NFSGX16***
0.55"	66'	.62" to 1.06"	***NFSGX20***
0.80"	66'	.86" to 1.37"	***NFSGX25***
1.00"	66'	1.06" to 1.69"	***NFSGX32***
1.26"	66'	1.30" to 2.17"	***NFSGX40***
1.50"	66'	1.65" to 2.52"	***NFSGX50***
2.00"	66'	2.05" to 2.95"	***NFSGX63***
2.40"	66'	2.56" to 3.80"	***NFSGX75***
2.83"	66'	3.15" to 4.30"	***NFSGX90***
3.43"	33'	3.80" to 4.90"	***NFSGX110***
4.48"	40'	4.50" to 5.50"	***NFSGX125***
5.07"	27'	NEW 4.80" to 6.00"	***NFSGX140***
5.87"	20'	5.70" to 7.00"	***NFSGX160***

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Fiberglass Sleeving

Features:
- thermal insulation protection in applications with service temperatures up to **1000°F (538°C)**
- supplied in a continuous length of 100'
- 1/16" wall thickness
- braided from texturized E-glass filament yarns, untreated tubing is flexible and expands to cover changing diameters
- Made in USA

Nominal ID	*Fiberglass* Part #
¼"	***LW04200***
⅜"	***LW06200***
½"	***LW08200***
⅝"	***LW10200***
¾"	***LW12200***
⅞"	***LW14200***
1"	***LW16200***
1¼"	***LW20200***
1½"	***LW24200***
2"	***LW32200***
2½"	***LW40200***
3"	***LW48200***
3½"	***LW56200***
4"	***LW64200***



Kevlar® Protective Sleeves

Features:
- braided cut-resistant 100% genuine Kevlar® fiber sleeve provides excellent flexibility
- provides protection for hydraulic hoses full lines,wires, cables and many other systems
- working temperature: continuous **320°F (160°C)**, short term **570°F (300°C)**
- 3000 denier ballistic grade Kevlar®; nonirritating fiber
- Made in USA

Sleeve ID	100' spool Part #
½" (13 mm)	***KS08200***
¾" (19 mm)	***KS12200***
1" (25 mm)	***KS16200***
1¼" (32 mm)	***KS20200***
1½" (38 mm)	***KS24200***
1¾" (44 mm)	***KS28200***
2" (51 mm)	***KS32200***
2½" (64 mm)	***KS40200***
3" (76 mm)	***KS48200***
3½" (89 mm)	***KS56200***
4" (102 mm)	***KS64200***

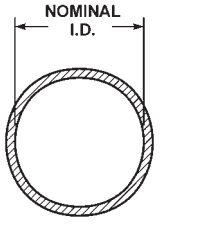


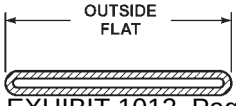
Nylon Protective Sleeves - MSHA Accepted

Features:
- woven tubular sleeving, for use as a protective covering on hydraulic and industrial hose
- tight weave of seamless tubular sleeving helps dispense the flow of fluid in a ruptured hose
- MSHA accepted, withstands temperatures up to **275°F (135°C)**, passes flammability tests
- not continous rolls/has splices

Nominal ID	Outside Flat	100' rolls Part #	300' rolls Part #
0.90"	1.50"	***DHS90-100***	***DHS90-300***
1.00"	1.66"	***DHS100-100***	***DHS100-300***
1.13"	1.88"	***DHS106-100***	***DHS106-300***
1.25"	2.13"	***DHS122-100***	***DHS122-300***
1.46"	2.25"	***DHS138-100***	***DHS138-300***
1.42"	2.50"	***DHS142-100***	***DHS142-300***
1.58"	2.75"	***DHS159-1-100***	***DHS159-1-300***
1.78"	2.88"	***DHS175-100***	***DHS175-300***
1.91"	3.00"	***DHS181-100***	***DHS181-300***
2.18"	3.63"	***DHS219-100***	***DHS219-300***
2.38"	3.88"	***DHS238-100***	***DHS238-300***
2.65"	4.25"	***DHS263-100***	***DHS263-300***
2.86"	4.75"	***DHS288-100***	***DHS288-300***
3.65"	5.88"	***DHS366-100***	***DHS366-300***







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Spring Guard

Features:
- protects hose against the effects of flexing at its most vulnerable point - immediately behind the coupling
- optional end tang allows end guard to be secured under a clamp or ferrule
- wire fits most hose OD's from ½" to 3¼", contact Dixon® for custom sizes or lengths



with tang

Guard ID	Wire Gauge	Overall Length	Tang Length	Approx. # of Coils/Ft.	*Galvanized Steel* Part #	*304 Stainless Steel* Part #
¾"	0.175	12"	1"	33	***SEGC1-0.75-12***	***SEGS1-0.75-12***
1"	0.175	12"	1"	33	***SEGC1-1.00-12***	***SEGS1-1.00-12***
1¼"	0.175	14"	2"	39	***SEGC1-1.25-14***	***SEGS1-1.25-14***
1½"	0.175	14"	2"	39	***SEGC1-1.50-14***	***SEGS1-1.50-14***
1¾"	0.175	16"	2"	44	***SEGC1-1.75-16***	***SEGS1-1.75-16***
2"	0.280	16"	2"	44	***SEGC1-2.00-16***	***SEGS1-2.00-16***
2½"	0.280	18"	2"	50	***SEGC1-2.50-18***	***SEGS1-2.50-18***
3"	0.280	18"	2"	50	***SEGC1-3.00-18***	***SEGS1-3.00-18***



without tang

Guard ID	Wire Gauge	Overall Length	Tang Length	Approx. # of Coils/Ft.	*Galvanized Steel* Part #	*304 Stainless Steel* Part #
¾"	0.175	12"	1"	33	***SEGC0-0.75-12***	***SEGS0-0.75-12***
1"	0.175	12"	1"	33	***SEGC0-1.00-12***	***SEGS0-1.00-12***
1¼"	0.175	14"	2"	39	***SEGC0-1.25-14***	***SEGS0-1.25-14***
1½"	0.175	14"	2"	39	***SEGC0-1.50-14***	***SEGS0-1.50-14***
1¾"	0.175	16"	2"	44	***SEGC0-1.75-16***	***SEGS0-1.75-16***
2"	0.280	16"	2"	44	***SEGC0-2.00-16***	***SEGS0-2.00-16***
2½"	0.280	18"	2"	50	***SEGC0-2.50-18***	***SEGS0-2.50-18***
3"	0.280	18"	2"	50	***SEGC0-3.00-18***	***SEGS0-3.00-18***

Continuous Spring Guard

Features:
- protects hose from external abrasion and helps resist over flexing
- fits tight to hose reducing the potential for snagging
- contact Dixon® at at 888.226.4673 for custom lengths or sizes



Guard ID	Wire Gauge	Overall Length	Approx. # of Coils/Ft.	*Galvanized Steel* Part #	*304 Stainless Steel* Part #
¾"	0.175"	25'	33'	***CWG-C-0.75-25***	***CWG-S-0.75-25***
1"	0.175"	25'	33'	***CWG-C-1.00-25***	***CWG-S-1.00-25***
1¼"	0.175"	25'	33'	***CWG-C-1.25-25***	***CWG-S-1.25-25***
1½"	0.175"	25'	33'	***CWG-C-1.50-25***	***CWG-S-1.50-25***
1¾"	0.175"	25'	33'	***CWG-C-1.75-25***	***CWG-S-1.75-25***
2"	0.280"	25'	33'	***CWG-C-2.00-25***	***CWG-S-2.00-25***
2½"	0.280"	25'	33'	***CWG-C-2.50-25***	***CWG-S-2.50-25***
3"	0.280"	25'	33'	***CWG-C-3.00-25***	***CWG-S-3.00-25***

NEW

GSM Ball-Joint Armored Hose Assemblies



Application:
- includes but not limited to: water cooling hose, oxygen supply hose, hydraulic hose, natural gas hose, black liquor hose, steam hose

Sizes:
- ¼" through 16" bore
- lengths to 120'

Materials:
- armor: galvanized steel or stainless steel
- wide selection of inner hoses specific to the demands of the application are industrial, hydraulic, stainless steel or PTFE

Features:
- extremely flexible armor protects from heat, slag splash and harsh environments
- heat resistant insulation to 1000°F
- temperature rating depends on specific applications, consult Dixon®
- a variety of end connections are available, contact Dixon® at 888.226.4673

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Thread Tape & Sealant..... 902 to 903

PTFE tape 902
American made (purple) 902
Industrial (white)..... 902
Stainless steel (gray) 902
Industrial heavy duty (pink) 902
For LP gas (yellow) 902
Thread sealant paste..... 903
Joint sealant gasket material..... 903
Leak detector..... 903

Coupling Inserters 904

Coupling inserter for large hose 904
Coupling inserter for 5 ton ram..... 904

Testing Equipment..... 905 to 907

Hand hydrotest pump 905
Hydrostatic test pumps..... 905
Hydrostatic test pump accessories..... 906
Sprinkler system gauges (UM-393)..... 907
Line test gauges 907
Three way gauge valve 907
PITOT gauge 907
Sprinkler line tester..... 907

Accessories ..... 908 to 911

Dixon® coupling lubricant 908
WD-40 smart straw 908
Spill kits 908
Dixon® soft hose mallet..... 909
Dixon® hose knife 909
Diameter tape 909
Screw pitch gauge 909
Bottle opener..... 910
Safety tag 910
Safety tape 910
Stretch straps 911
Pick head fire axe 911

Grease Whip Fittings ..... 912 to 913

Grease whip hose assemblies..... 912
Grease whip hose fittings 912
Grease whip fittings - Zerk..... 913

Oxy-Acetylene Fittings 914

Oxy-acetylene hose couplings..... 914
Oxy-acetylene connecting spuds..... 914
Oxy-acetylene adapters..... 914
Oxy-acetylene ferrules..... 914

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American Made PTFE Tape (Purple)



Features:
- thickness: 3.5 mil (0.0035 mm)
- temperature range: **-450°F** to **500°F (-268°C** to **260°C)**
- superior quality
- not for use in oxygen applications

Size	Length	Part #
½"	520"	***TTPM50-520***
	700"	***TTPM50-700***
	1429"	***TTPM50-1429***
¾"	520"	***TTPM75-520***
	700"	***TTPM75-700***
	1429"	***TTPM75-1429***
1"	520"	***TTPM100-520***
	700"	***TTPM100-700***
	1429"	***TTPM100-1429***

Industrial PTFE Tape (White)



Features:
- thickness: 3.5 mil (0.0035 mm)
- temperature range: **-212°F** to **500°F (-136°C** to **260C)**

Size	Length	Part #	Optional Qty
½"	260"	***TTA50***	550
	520"	***TTB50***	500
	1296"	***TTC50***	250
¾"	260"	***TTA75***	350
	520"	***TTB75***	350
1"	520"	***TTB100***	250

Stainless Steel PTFE Tape (Gray)



Features:
- thickness: 4 mil
- temperature range: **-450°F** to **550°F (-268°C** to **288°C)**
- useful on stainless steel threaded joints or connections
- PTFE with nickel added, nickel acts like a ball bearing
- made in the US

Size	Length	Part #	Optional Qty
½"	260"	***TTA50SS***	10

Industrial Heavy Duty PTFE Tape (Pink)



Features:
- thickness: 4 mil
- temperature range: **-400°F** to **500°F (-240°C** to **260°C)**

Size	Length	Part #	Optional Qty
½"	540"	***TTBP50***	500

PTFE Tape for LP Gas (Yellow)



Features:
- thickness: 4 mil
- maximum temperature: **500°F (260°C)**
- Underwriters Listed

Size	Length	Part #	Optional Qty
½"	260"	***TTA50LP***	500

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Thread Sealant Paste

Features:
- temperature range: **-300°F** to **500°F (-184°C** to **260°C)**
- do not use with oxygen



Size	Part #	Optional Qty
¼ pint	***LCTS14***	24
½ pint	***LCTS1***	24
1 pint	***LCTS2***	12
1 quart	***LCTS3***	12

Joint Sealant Gasket Material

Features:
- GORE-TEX® interchangeable
- Form-In-Place expanded PTFE gasket material with adhesive backing
- manufactured from 100% virgin PTFE
- unaffected by all common chemicals (pH from 0-14)
- unlimited shelf life
- resilient with low cold flow
- requires less force than standard gasket materials
- pressure range: **vacuum** to **3000 PSI**
- temperature range: **-450°F** to **600°F (-268°C** to **316°C)**
- made in the USA
- FDA compliant #21CFR177.1550
- larger spools are available, consult Dixon® for price and availability



Size	Length	Part #
¼"	20'	***LCJS4-20***
¼"	50'	***LCJS4-50***
⅜"	25'	***LCJS6-25***
½"	15'	***LCJS8-15***
¾"	15'	***LCJS12-15***

Leak Detector

Features:
- detects leaks by forming bubbles which remain for up to ten minutes
- will not cause corrosion or deterioration
- color: fluorescent yellow
- non-toxic, non-freezing
- temperature range: **-7°F** to **180°F (-20°C** to **82°C)**
- meets Federal specification MIL-L-25567-C



Size	Part #	Case Qty
8 oz.	***LCLD***	24

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Coupling Inserter for Large Hose

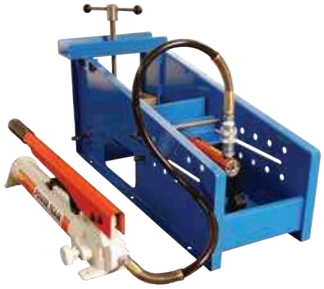


Features:
- inserts 4", 5", 6", 8", 10" and 12" couplings
- includes CI96AH pump (shown below)
- portable
- coupling inserter pusher plates (not shown) must be purchased separately

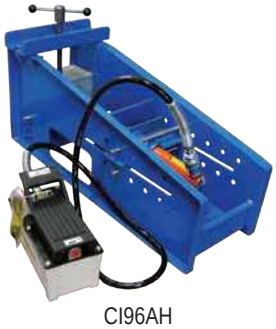
Part #
CI9

Hose ID	Part #
4" - 5"	***45CIPUSH***
6" - 8"	***68CIPUSH***
10" - 12"	***1012CIPUSH***

Coupling Inserters



CI96



CI96AH

Application:
- for insertion of hose shanks into hose with a 2¾" to 7¼" OD

Description	Part #
inserter with **10,000 PSI** hand pump and 5 ton ram	***CI96***
inserter with **10,000 PSI** air/hydraulic pump and 5 ton ram	***CI96AH***
small jaws for 1" to 3" OD hose	***CI9311SML***

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Hand Hydrotest Pump

Application:
- designed for use in testing pipe lines, pressure tanks and pressure vessels

Features:
- uses check valves which are more efficient and longer lasting than poppet systems
- cylinder displacement: 1.37 cu. in.
- **0 -1000 PSI** pressure gauge, 10' high pressure hose and quick disconnect coupler included
- piston: ⅞" with 2" stroke
- stainless steel piston
- working pressure: **1000 PSI** at **70°F (21°C)**



NPT Inlet	NPT Outlet	*Aluminum* Part #
½"	½"	***HHTP***

Hydrostatic Test Pumps

Electric Test Pump



Features:
- 110 volt Portable Hydrostatic Electric Pump - Model (ETP)
- 3000 PSI maximum test pressure
- 1.3 GPM fill rate (at 60 PSI inlet water pressure)
- Quick connect garden hose coupler for water supply line available
- ½" x 25' intermediate hose with brass Straight-Thru Quick Coupler x NPSM swivel connection
- ½" brass Straight-Thru plug on pressure outlet
- 0 – 3000 PSI back mount liquid filled pressure gauge

Part #
ETP

Pneumatic Test Pump



Features:
- 5.5 GPM fill rate
- test pressure: **0** to **1500 PSI**
- stainless interior
- air gauge for quick, easy adjustment of maximum test pressure
- high pressure test gauge
- filter/regulator for clean, dry air to ensure long life of unit
- on - off valve for air input
- 15' of hose included
- easy to use: portable hand cart mount or stationary wall mount available
- use of coalescing filter and water filter recommended for prolonged pump life

Hand Cart Mount Part #	Wall Mount Part #
PTP	***PTP-WM***

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Hydrostatic Test Pump Accessories

Features:
- cost effective, pre-assembled caps or plugs allow quick set up for testing hoses
- caps and plugs equipped with ½" brass straight-through plug for quick attachment to the intermediate hose on the test pump (Pneumatic Test Pump) and bleed-off valve



Cam & Groove Test Caps for Male Adapters

Size	*Iron / Steel* Part #
1"	***ID100TC***
1½"	***ID150TC***
2"	***ID200TC***
3"	***ID300TC***
4"	***ID400TC***



Cam & Groove Test Plugs for Female Couplers

Size	*Iron / Steel* Part #
1"	***IA100TP***
1½"	***IA150TP***
2"	***IA200TP***
3"	***IA300TP***
4"	***IA400TP***



Female NPT Test Caps

Size	*Iron / Steel* Part #
1"	***NPT100TC***
1½"	***NPT150TC***
2"	***NPT200TC***
3"	***NPT300TC***
4"	***NPT400TC***



Male NPT Test Plugs

Size	*Iron / Steel* Part #
1"	***100TP***
1½"	***150TP***
2"	***200TP***
3"	***300TP***
4"	***400TP***



Bleed-off Valve

Part #
IBV50BOV



M16-03A

FRL Attachment Accessories

Description	Part #
⅜" Wilkerson modular coalescing filter (automatic drain)	***M16-03A***
⅜" Wilkerson modular coalescing filter (manual drain)	***M16-03M***
modular sleeve needed to connect M16-03A or M16-03M	***GPA-95-292***

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Sprinkler System Gauge (UL-393)

Features:
- specifically designed for the fire sprinkler industry
- Bourdon tube pressure gauges with black polycarbonate case
- snap-in clear polycarbonate window, 4" face
- white aluminum dial with stop pin, black and red markings
- black aluminum non-adjustable pointer
- ¼" NPT lower mount
- ASME B40.1 Grade B (+ 3/2/3% accuracy)
- U/L Listed (U/L-393) and Factory Mutual Approved for fire sprinkler service
- temperature range: **-40°F** to **140°F (-40°C** to **60°C)**



Type	Part #
water (**0-300 PSI**)	***SWG300-4***

Line Test Gauges

Features:
- rocker lug swivel
- used for testing static or flowing pressures in hoses or nozzles
- supplied with **0-300 PSI** glycerine filled 3½" diameter gauge
- freeze proof to **-40°F** (**-40°C**)
- other sizes and threads are also available, contact Dixon®



NST (NH) Thread	*Hardcoated Aluminum* Part #
1½"	***ALTG150F***
2½"	***ALTG250F***

Three Way Gauge Valve

Features:
- permits checking or replacing a gauge without shutting down the whole line
- disc: rubber



NPT Thread	Working Pressure (PSI)	*Brass* Part #
¼"	**175**	***TWGV25***

PITOT Gauge

Features:
- liquid filled gauge 0-160 PSI is standard, other pressures available, contact Dixon®
- supplied with handle grip, case and fire stream/friction loss data



Part #
PG8083

Sprinkler Line Tester

Feature:
- installs on the last sprinkler head on system branch lines and controls water flow for flushing or testing the system



Inlet	Outlet	*Brass* Part #
1" female NPT	1" male NPSH	***SLT10050***

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Dixon® Coupling Lubricant



Application:
- for use in assembly operations involving natural or synthetic rubber or plastic, also an excellent lubricant when rubber or plastic needs to be cut, machined, pressed, turned, trimmed or ground

Features:
- biodegradable lubricant for coupling shanks, O-rings, hoses, sleeves, rubber washers and grommets
- once coupling lubricant drys, slipping action goes away

Size	Part #
1 liter	***DCL20***
4 liters	***DCL80***

WD-40 Smart Straw



Features:
- permanently attached straw
- flip up for a precision spray; flip down for regular spray action
- sold in case quantities only
- should not be used as a lubricant for coupling shanks

Size	Part #	Case Qty
11 oz.	***WD40***	12

Spill Kits



oil spill kit



universal spill kit

Features:
- easily stored behind a seat or in a storage compartment allowing drivers to act quickly when responding to a spill
- poly-zip bag and bucket kits feature:
  - 10 pads (15" x 19")
  - 3 socks (3" x 4')
  - 2 disposal bags with ties
  - 1 pair nitrile gloves

Description	Part #
oil only, in 6½ gallon pail	***DSK5-O***
universal, in 6½ gallon pail	***DSK5-U***
oil only, in clear poly bag with zipper	***DSKB-O***
universal, in clear poly bag with zipper	***DSKB-U***

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Dixon® Soft Hose Mallet

Features:
- soft mallet for pounding metal objects without damaging them
- head material is firmly attached to strong shaft-handle and will not crack
- length: 23"
- weight: 10 lbs.



Part #
DCM1

Dixon® Hose Knife

Features:
- for fast cutting of rubber hose and belting
- guard protects hand while cutting



Part #
DRK15

Diameter Tape

Features:
- 6' tape for quickly finding the outside diameter of any cylindrical object
- converts circumference to OD at the measured point
- ABS case



Part #
DDT1

Screw Pitch Gauge

Features:
- used to determine threads per inch
- 30 leaves



Stainless Steel
Part #
TPG

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Bottle Opener



Brass Part #
CAMOPENER

Safety Tag



Features:
- Dixon® strongly recommends the use of a safety tag or warning label on all hose assemblies.
- sold in quantities of 100 only

Length	Width	Part #
5"	2⅜"	***DWL100***

WARNING!!
- worn-out hose fittings should be replaced
- loose clamps on hose can be dangerous
- bolt type clamps should be retensioned regularly
- for extra safety, retaining devices such as clips, chains or cables must be used

Safety Tape



Features:
- Dixon® strongly recommends the use of a safety tag or warning label on all hose assemblies.
- length of tape - 55 yards, approximately 255 warnings

Length	Part #
1½"	***DSTW***

WARNING!!
- worn-out hose fittings should be replaced
- loose clamps on hose can be dangerous
- bolt type clamps should be retensioned regularly
- for extra safety, retaining devices such as clips, chains or cables must be used

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Stretch Straps

Features:
- durable tie down straps
- made of EPDM
- length does not include S-hooks
- S-hooks are steel

Length	Part #
10"	***SSE10***
15"	***SSE15***
21"	***SSE21***
31"	***SSE31***
41"	***SSE41***



WARNING!!

Failure to comply with this warning may result in serious damage and/or personal injury.
Maximum end to end safe stretch = 150% of length

- do not exceed maximum safe stretch
- inspect before each use, do not use if strap is cut, cracked or abraded
- inspect hooks for damage and/or wear. Replace if needed.
- protect strap from sharp edges or heat.
- wear eye protection during use
- do not use this product as the primary tie down
- refer to federal or state regulations for proper tie down methods

Pick Head Fire Axe

Features:
- red trim
- 36" hickory handle
- listed in the minimum requirements approval guides for outfitting hose houses and hose cabinets by insurance underwriters

Description	Part #
6 lb. axe	***PHFA6***
axe brackets	***PHFA-B-A***





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Grease Whip Hose Assemblies



Features:
- for use with hand grease guns only
- one piece crimp couplings
- ⅛"-27 male NPT thread, solid base
- US manufactured 3/16" ID hose - exceeds SAE 100R1-AT
- add "S" to order strain relief spring option
- working pressure: **3000 PSI**

Assembly Length	*Brass* Previous Part #	*Brass* Part #
8"	GWH-0800	***GWH0800***
12"	GWH-1200 ---	***GWH1200*** ***GWH1200R***[1]
18"	GWH-1800 ---	***GWH1800*** ***GWH1800R***[1]
24"	GWH-2400	***GWH2400***
36"	GWH-3600	***GWH3600***
48"	GWH-4800	***GWH4800***
60"	GWH-6000	***GWH6000***

[1] retail packaging

Grease Whip Hose Fittings

Features:
- ***001-0055***, ***001-0260*** and ***001-0860*** are designed to be crimped to 3/16" ID hose
- ***GWH-C*** and ***GWHC-FF*** mate with Zerk fittings on the coupler side

Grease Hose Couplers



Description	*Zinc Plated Steel* Previous Part #	*Zinc Plated Steel* Part	Optional Qty
⅛"-27 female NPT thread, grease hose coupler with ball check - valved shutoff	GWH-C	***GWHC***	25
⅛"-27 female NPT thread, full flow grease hose coupler	---	***GWHC-FF***	25

Add 'R' suffix to part number for retail pack option

Male NPT Thread - Chamfered Base



Description	*Brass* Previous Part #	*Brass* Part #	Optional Qty
⅛"-27 male NPT thread, drilled and chamfered base	001-0055	***0010055C***	100

Male NPT thread - Solid Base



Description	*Brass* Previous Part #	*Brass* Part #	Optional Qty
⅛"-27 male NPT thread, solid base	001-0260	***0010260C***	100

Female NPT Thread



Description	*Brass* Previous Part #	*Brass* Part #	Optional Qty
⅛"-27 female NPT thread	001-0860	***0010860C***	100

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Grease Whip Fittings - Zerk

Straight

Thread	Description	Overall Length	Thread Length	Hex	*Zinc Plated Steel* Part #	Pkg Qty
1/8-27 NPT	straight	.660"	.260"	.430	***GWHZ000***	100
1/4-28 tapered SAE-LT	straight	.530"	.200"	.312	***GWHZ400***	100



45°

Thread	Description	Overall Length	Thread Length	Hex	*Zinc Plated Steel* Part #	Pkg Qty
1/8"-27 NPT	45°	.860"	.280"	.430	***GWHZ045***	100
1/4"-28 tapered SAE-LT	45°	.800"	.200"	.375	***GWHZ445***	100



90°

Thread	Description	Overall Length	Thread Length	Hex	*Zinc Plated Steel* Part #	Pkg Qty
1/8"-27 NPT	90°	.830"	.310"	.430	***GWHZ090***	100
1/4"-28 tapered SAE-LT	90°	1.20"	.200"	.375	***GWHZ490***	100



Grease Whip Fittings - Zerk Retail Packaged

All items sold in retail packets of 10: Order 1 for 1 retail pack of 10 pieces.

Straight

Thread	Description	Overall Length	Thread Length	Hex	*Zinc Plated Steel* Part #
1/8"-27 NPT	straight	.660"	.260"	.430	***GWHZ000R***
1/4"-28 tapered SAE-LT	straight	.530"	.200"	.312	***GWHZ400R***



45°

Thread	Description	Overall Length	Thread Length	Hex	*Zinc Plated Steel* Part #
1/8"-27 NPT	45°	.860"	.280"	.430	***GWHZ045R***
1/4"-28 tapered SAE-LT	45°	.800"	.200"	.375	***GWHZ445R***



90°

Thread	Description	Overall Length	Thread Length	Hex	*Zinc Plated Steel* Part #
1/8"-27 NPT	90°	.830"	.310"	.430	***GWHZ090R***
1/4"-28 tapered SAE-LT	90°	1.20"	.200"	.375	***GWHZ490R***



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Oxy-Acetylene Hose Couplings



Acetylene Couplings

left-hand thread for acetylene line x hose shank

Hose Size	Left UNF Thread	Hex	Brass Previous Part #	Brass Part #
3/16"	3/8"-24	7/16"	OA69	***1540306K***
	9/16"-18	11/16"	OA70	***1540309K***
1/4"	9/16"-18	11/16"	OA71	***1540409K***
5/16"	9/16"-18	11/16"	OA72	***1540509K***
3/8"	9/16"-18	11/16"	OA73	***1540609K***

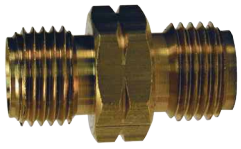


Oxygen Couplings

right-hand thread for oxygen line x hose shank

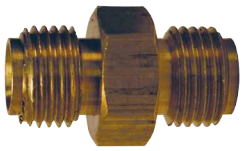
Hose Size	Right UNF Thread	Hex	Brass Previous Part #	Brass Part #
3/16"	3/8"-24	7/16"	OA59	***1520306K***
	9/16"-18	11/16"	OA60	***1520309K***
1/4"	9/16"-18	11/16"	OA61	***1520409K***
5/16"	9/16"-18	11/16"	OA62	***1520509K***
3/8"	9/16"-18	11/16"	OA63	***1520609K***

Oxy-Acetylene Connecting Spuds



Left-hand Thread x Left-hand Thread

Left UNF Thread	Hex	Brass Previous Part #	Brass Part #
9/16"-18	11/16"	OA52	***1580909C***



Right-hand Thread x Right-hand Thread

Right UNF Thread	Hex	Brass Previous Part #	Brass Part #
9/16"-18	11/16"	OA50	***1560909C***

Oxy-Acetylene Adapters



Left-hand Thread x NPTF

Left UNF Thread	NPTF Thread	Hex	Brass Previous Part #	Brass Part #
9/16"-18	¼"	5/8"	158-0904	***1580904C***
	⅜"	11/16"	158-0906	***1580906C***



Right-hand Thread x NPTF

Right UNF Thread	NPTF Thread	Hex	Brass Previous Part #	Brass Part #
9/16"-18	¼"	5/8"	156-0904	***1560904C***
	⅜"	11/16"	156-0906	***1560906C***

Oxy-Acetylene Ferrules



- sold in package quantities only

Inside Dimensions	Overall Length	Metal Gauge	Standard Ind. Part #	Brass Part #	Qty
.458" x 0.890"	15/32"	.019"	9116	***BFO448***	25
.474" x 0.943"	15/32"	.019"	9979	***BFO474***	25
.535" x 1.071"	¾"	.024"	9940P	***BFO535***	25
.593" x 1.109"	¾"	.024"	9593	***BFO593***	25
.700" x 1.325"	.719"	.025"	8337	***BFO700***	25

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Proposition 65 Information

⚠WARNING

As a company that may sell or distribute Dixon® couplings, adapters, valves and connectors made of brass to California consumers or to other persons or entities that may sell such items to California consumers, Dixon® is obligated to notify you of the following:

- Such products may not be sold to California consumers unless it either contains less than 300 ppm of lead when analyzed pursuant to the EPA test method 3050B or equivalent or is sold or distributed with a clear, reasonable and conspicuous warning.
- So long as it is prominently displayed on the product or the packaging of the product, the following warning complies: "WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. Do not use in connection with drinking water. Wash hands after handling."
- As to internet sales only, if the product is not labeled with the required warning, there must be a warning message by a clearly marked hyperlink on the product display page or otherwise prominently displayed to the purchaser before the purchaser completes the purchase of the product.

There are significant penalties associated with failure to comply with these requirements. Should you need further explanation or assistance in complying with notice, please do not hesitate to contact Dixon® at sales@dixonvalve.com.

⚠WARNING Failure to use these procedures can result in serious injury or death, and destruction of property and equipment.

Hose and Hose Coupling Safety

"The very properties that make compressed gases useful in almost every area of modern life can also make them dangerous when mishandled. Years of experience with compressed gases have led to practices and equipment which, if employed, result in complete safety." [1]

Dixon® hose couplings have been carefully engineered to meet specific requirements. If hose or couplings are not used in correct applications or are incorrectly applied, accidents and downtime can result. It is up to the end user to inform the distributor of the application and pressures involved when ordering hose assemblies and it is up to the distributor to supply the right hose and coupling for that application. When in doubt, Dixon® is here to help you with a proper coupling recommendation.

1. Air hose couplings - This form of energy can be one of the most dangerous because it is used in so many applications and, when mishandled, can have more serious results than fluids. Air, as a gas, is compressible (fluids press only against hose or vessel walls and lose little volume under pressure). When pressurized air releases suddenly, it does so with explosive force and can cause rapid hose whip, which can do serious physical harm to personnel or damage to nearby objects. This is why the selection of proper hose and couplings for air lines is so important, along with their proper installation and maintenance. Never take for granted that a coupling is installed properly or a clamp fully tightened on an air hose - check it regularly and use safety devices (see paragraph 4).

2. Steam and gas - The same rules apply for steam and gas, but, because these are inherently more hazardous materials, personnel tend to treat hose and couplings on these lines with more respect and care. Checking clamp tightness is very important with steam hose, where it is not unusual for clamps to loosen in service, in which case they must be retightened! Safety devices should also be used (see paragraph 4).

3. Fluid hose couplings - Again, nothing should be taken for granted - in particular, check clamps for tightness each time the lines are used - especially when petroleum products or other hazardous liquids are involved. Large diameter hose, when suspended, can also be quite dangerous if it drops unexpectedly due to a coupling "pull-out" or sudden disconnection. A heavy fitting or clamp, plus the weight of the hose itself falling from any significant height, can cause injuries or damage. Be sure to use safety devices (see paragraph 4).

4. All hose assemblies - All hose assemblies should be treated with respect as potential hazards. Worn-out fittings should be replaced. Retaining devices such as clips, cables or chains should be used. Clamps should be checked regularly. Under no circumstances should any coupling be disconnected while under pressure, unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction of property and equipment.

[1] "Handbook of Compressed Gases"

General Safety Information

Pressure Ratings

Pressure ratings for couplings, as stated in this catalog, are based upon ambient temperature **70°F (21°C)** applications with true hose ID, new Dixon® supplied couplings, new Dixon® supplied clamps, new quality hose, and proper installation by a qualified assembler using Dixon® procedures and equipment. In addition, temperature can affect coupling retention. For temperatures other than ambient (**70°F**), contact the hose manufacturer or call Dixon® at 800.355.1991.

Product Selection

Many of the products in this catalog are used in hose assemblies in a variety of applications. The safety of any hose assembly rests on the proper selection, installation, testing and use of each product. The safe use of any product in this catalog is dependent upon the correct selection of the hose, fittings and method of attachment. To ensure such a proper selection, the user must inform the distributor of the application and pressure involved when ordering hose assemblies. The use of S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon®) will help in the proper selection of hose assembly components (see page 917). The selection of couplings and clamping devices is the responsibility of the purchaser or user, based upon the hose manufacturer's recommendations. If the purchaser or user is uncertain about the use or application of a product, Dixon™ stands ready to provide information, including test results (if available), coupling and clamping recommendations and other data to help resolve those matters.

continued on the next page

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General Safety Information, continued

Installation

To achieve a safe and reliable assembly, proper installation procedures must be followed. Each component of the assembly has a part in determining these procedures. The purchaser or user must follow proper procedures. If the purchaser or user has any questions regarding installation, please contact Dixon®.

Testing

Dixon® recommends that all hose assemblies be tested in accordance with the hose manufacturer's recommendations.

Re-testing and Inspection

Dixon® recommends inspection and re-testing of hose assemblies on a regular and consistent basis in accordance with the hose manufacturer's recommendations. The application determines the regularity of the inspection and re-testing schedule. Any worn-out fittings, damaged hoses or missing safety devices should be replaced immediately. Bolt-style clamps must be checked and retightened on a regular and consistent basis.

All hose assemblies should be viewed as potential hazards. This document is designed to inform and educate anyone who manufactures, specifies, supplies, purchases, assembles, uses, maintains or tests any hose assembly or its component parts. The proper selection and maintenance of hose, couplings, attachment devices and accessories is imperative.

It is the end user's responsibility to identify to the distributor the application and any special conditions that the hose assembly must meet. It is the distributor's responsibility to supply the proper assembly for the intended application. Accidents and down time may occur if hose assemblies are not properly selected for the specific application.

The performance and safety of the assembly is affected by the quality of the individual components. The use of the acronym S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon®) will help in the proper selection of the hose assembly components (see below). If anyone is uncertain about the use or application of a product, Dixon® can provide test results, coupling and clamping recommendations and other data to help resolve those matters. Call 800.355.1991 with any questions.

Be Safe

Hose assemblies must be inspected prior to each use. Worn out fittings, attachment devices, hose and accessory items must be replaced. Retaining devices (safety devices) such as clips, cables or chains must be used. Clamps must be checked regularly to the specified torque found in the Dixon® literature. Under no circumstance should any coupling be disconnected while under pressure unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction to property and equipment.

For all hose assemblies in use:

B*eware* - Hose assemblies when used improperly or in the wrong application can be dangerous. The maximum working pressure shown on the hose is not an indication of the working pressure of the assembly. Based on the hose, fittings and attachment method used, all assemblies should be permanently marked with the designed working pressure and the intended media. The assembly working pressure should be permanently displayed. Hose assemblies must be used for the intended service only. Never alter manufactured product or substitute component parts.

E*liminate* - hazardous conditions by inspecting, maintaining and testing hose assemblies. Dixon® recommends that all hose assemblies be tested in accordance with the hose manufacturer's specifications. The application determines the regularity of the re-testing schedule.

S*ecure* - and inspect hose, fittings, clamping devices and safety accessories before each use. Never take for granted that the coupling or attachment devices are properly installed.

A*lways* - inspect and re-tighten the bolts of any bolt style clamping device to the manufacturer's torque specifications.

F*ittings* - hose and clamping devices that are worn out or damaged must be removed from service.

E*ducate* - your employees about the proper use, care and potential hazards of hose assemblies. Take advantage of Dixon's free Hose Assembly Safety Program and the follow up Training Seminar to aid you in setting up your own inspection program. Any questions on applications, use or assembly call 800.355.1991.

S.T.A.M.P.E.D.

When fabricating and specifying hose assemblies ask the following questions:

S*ize*: What is the ID (Inside Diameter) of the hose? What is the OD (Outside Diameter) of both ends of the hose? What is the overall length of the assembly required?

T*emperature*: What is the temperature range of the media (product) that is flowing through the hose assembly? What is the temperature range of the environment that surrounds the outside of the hose assembly?

A*pplication*: How is the hose assembly actually being used? Is it a pressure application? Is it a vacuum (suction) application? Is it a gravity flow application? Are there any special requirements that the hose assembly is expected to perform? Is the hose being used in a horizontal or vertical position? Are there any pulsations or vibrations acting on the hose assembly?

M*edia*: What is the media/material that is flowing through the hose assembly? Being specific is critical. Check for: Abrasive materials, chemical compatibility, etc.

P*ressure*: What is the maximum pressure including surges (or, maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest rated component in the system.

E*nds*: What couplings have been requested by the user? Are they the proper fittings for the application and hose selected?

D*ixon®*: Dixon® recommends that, based on the hose, fittings and attachment method used, all assemblies be permanently marked with the designed working pressure and intended media. Do not use other manufacturer's fittings or ferrules with Dixon® products due to the differences in dimensions and tolerances. We also recommend that all hose assemblies be tested frequently. *Be Safe*: Any questions on application, use or assembly call 800.355.1991.

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Force Chart

- For hose ID's from 1¼" to 12" the force in pounds is greater than the PSI.
- Force is the dynamic power which is exported longitudinally through a hose, towards the ends. To arrive at the number of pounds of force exerted, you merely multiply the area of the ID times the working pressure being used.
- Area of a circle: r^2 (PI [3.1416] times radius squared)
- Force = Area x Pressure

Force (In Pounds)

Hose ID	25 PSI	50 PSI	75 PSI	100 PSI	150 PSI	200 PSI	250 PSI	300 PSI	500 PSI	1000 PSI
¼"	1	2	4	5	7	10	12	15	25	49
⅜"	3	6	8	11	17	22	28	33	55	110
½"	5	10	15	20	29	39	49	59	98	196
¾"	11	22	33	44	66	88	110	133	221	442
1"	20	39	59	79	118	157	196	236	393	785
1¼"	31	61	92	123	184	245	307	368	614	1227
1¼"	44	88	133	177	265	353	442	530	884	1767
2"	79	157	236	314	471	628	785	942	1571	3142
2¼"	123	245	368	491	736	982	1227	1473	2454	4909
3"	177	353	530	707	1060	1414	1767	2121	3534	7069
4"	314	628	942	1257	1885	2513	3142	3770	6283	12566
5"	491	982	1473	1964	2945	3927	4909	5891	9818	19635
6"	707	1414	2121	2827	4241	5655	7069	8482	14137	28274
8"	1257	2513	3770	5027	7540	10053	12566	15080	25133	50266
10"	1964	3927	5891	7854	11781	15708	19635	23562	39270	78540
12"	2827	5655	8482	11310	16965	22620	28274	33929	56549	113098

Safety Products and Recommendations in the Dixon® Price List

Safety is everyone's concern!

Dixon® provides many safety products designed to protect personnel and property. Recommendations and safety warnings are also included for your review.

Hose and coupling safety ..... page 916
S.T.A.M.P.E.D. ..... page 917
EZ Boss-Lock™ handles ..... page 166
Cam and groove safety clips ..... page 171
Air King™ - not to be used for steam statement ..... page 283
King™ cable safety cables ..... page 362
Safety shut-off valves, OSHA REG. 1926.302 ..... page 556
30 PSI safety blow guns ..... page 371
Safety vented ball valves ..... page 534
Safety tags and safety tape ..... page 910
The importance of whip hose statement ..... page 282

MSHA (Mine Safety and Health Administration) Regulations

30 CFR Sections 56.13021 and 57.13021

Except where automatic shut-off valves are used, safety chains or other suitable locking devices shall be used at connections to machines of high-pressure hose line of ¾" inside diameter or larger, and between high-pressure hose lines of ¾" inside diameter or larger, where a connection failure would create a hazard.

30 CFR Section 75.1730

(e) Safety chains, suitable locking devices, or automatic cut-off valves shall be used at connections to machines of high-pressure hose lines of ¾" inside diameter or larger, and between high-pressure hose lines of ¾" inside diameter or larger, where a connection failure would create a hazard. For purposes of this paragraph, high-pressure means pressure of 100 PSI or more.

30 CFR Section 77.412

(d) Safety chains or suitable locking devices shall be used at connections to machines of high-pressure hose line of 1" inside diameter or larger, and between high-pressure hose line of 1" inside diameter or larger, where a connection failure would create a hazard.

The regulations may be viewed in full on the Mine Safety and Health Administration website, msha.gov, please check the website for updates.

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OSHA Regulations

Standards - 29 CFR, 1910.242 (partial):
(b) Compressed air used for cleaning - Compressed air shall not be used for cleaning purposes except where reduced to less than 30 PSI and then only with effective chip guarding and personal protective equipment.

Standards - 29 CFR, 1915.131 (partial):
(e) Before use, pneumatic tools shall be secured to the extension hose or whip by some positive means to prevent the tool from becoming accidentally disconnected from the whip.

Standards - 29 CFR, 1926.302 (partial):
(b)(1) Pneumatic power tools shall be secured to the hose or whip by some positive means to prevent the tool from becoming accidentally disconnected.
(b)(2) Safety clips or retainers shall be securely installed and maintained on pneumatic impact (percussion) tools to prevent attachments from being accidentally expelled.
(b)(3) All pneumatically driven nailers, staplers and other similar equipment provided with automatic fastener feed, which operate at more than 100 PSI pressure at the tool shall have a safety device on the muzzle to prevent the tool from ejecting fasteners, unless the muzzle is in contact with the work surface.
(b)(4) Compressed air shall not be used for cleaning purposes except where reduced to 30 PSI and then only with effective chip guarding and personal protective equipment which meets the requirements of Subpart E of this part. The 30 PSI requirement does not apply for concrete form, mill scale and similar cleaning purposes.
(b)(5) The manufacturer's safe operating pressure for hoses, pipes, valves, filters and other fittings shall not be exceeded.
(b)(6) The use of hoses for hoisting or lowering tools shall not be permitted.
(b)(7) All hoses exceeding ½" inside diameter shall have a safety device at the source of supply or branch line to reduce pressure in case of hose failure.

Standards - 29 CFR, 1926.306:
(a) General requirements
(a)(1) Application. This section applies to compressed air receivers, and other equipment used in providing and utilizing compressed air for performing operations such as cleaning, drilling, hoisting, and chipping. On the other hand, however, this section does not deal with the special problems created by using compressed air to convey materials nor the problems created when men work in compressed air as in tunnels and caissons. This section is not intended to apply to compressed air machinery and equipment used on transportation vehicles such as steam railroad cars, electric railway cars, and automotive equipment.
(a)(2) New and existing equipment.
(a)(2)(i) All new air receivers installed after the effective date of these regulations shall be constructed in accordance with the 1968 edition of the A.S.M.E. Boiler and Pressure Vessel Code Section VIII.
(a)(2)(ii) All safety valves used shall be constructed, installed and maintained in accordance with the A.S.M.E. Boiler and Pressure Vessel Code, Section VIII Edition 1968.
(b) Installation and equipment requirements
(b)(1) Installation. Air receivers shall be so installed that all drains, handholes, and manholes therein are easily accessible. Under no circumstances shall an air receiver be buried underground or located in an inaccessible place.
(b)(2) Drains and traps. A drain pipe and valve shall be installed at the lowest point of every air receiver to provide for the removal of accumulated oil and water. Adequate automatic traps may be installed in addition to drain valves. The drain valve on the air receiver shall be opened and the receiver completely drained frequently and at such intervals as to prevent the accumulation of excessive amounts of liquid in the receiver.
(b)(3) Gauges and valves.
(b)(3)(i) Every air receiver shall be equipped with an indicating pressure gauge (so located as to be readily visible) and with one or more spring-loaded safety valves. The total relieving capacity of such safety valves shall be such as to prevent pressure in the receiver from exceeding the maximum allowable working pressure of the receiver by more than 10 percent.
(b)(3)(ii) No valve of any type shall be placed between the air receiver and its safety valve or valves.

Standards - 29 CFR, 1926.603 (partial):
(a)(9) Steam hose leading to a steam hammer or jet pipe shall be securely attached to the hammer with an adequate length of at least ¼" diameter chain or cable to prevent whipping in the event the joint at the hammer is broken. Air hammer hoses shall be provided with the same protection as required for steam lines.
(a)(10) Safety chains, or equivalent means, shall be provided for each hose connection to prevent the line from thrashing around in case the coupling becomes disconnected.

The regulations may be viewed in full on the OSHA website, osha.gov, please check the website for updates.

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Solutions on Site Vans by Dixon®





Our Solutions on Site (SOS) vans are outfitted with product samples, videos, literature and products representative of what Dixon® provides to specific markets. Call 800.355.1991 for additional information.

Best Practices Safety Assessment

Dixon®, in partnership with your industrial hose supplier, is pleased to offer a hose and coupling safety survey of your plant, at no cost to you, to assist in your efforts to make your facility as safe, efficient and productive as possible.

Today, plant safety is an enormous, ongoing endeavor in which it is impossible to be an expert in every field.

The use of damaged or misapplied hose couplings and related items occurs. To the untrained eye, these hazards may continue to exist until an accident happens, threatening not only plant machinery, but also the well-being of plant personnel.

Our program includes a visual inspection of hose assemblies and related accessories in your plant by trained technicians. A professionally written report containing our observations and recommendations for corrective action is subsequently provided to augment your own ongoing safety program. If desired, photographs of the areas of concern can be supplied with the report. As a follow-up, the program offers an educational hands-on seminar directly relating to the safety concerns in your facility.

Plant safety is coming under increasing scrutiny by various regulatory agencies. Let Dixon® trained personnel assist you in establishing and maintaining safety compliance in your plant.

The safety survey report is completely confidential and will only be shown to authorized plant personnel. For more information, please contact Dixon® at 800.355.1991.

Hose Coupling Workshop

In an effort to provide our customers with information regarding the proper and safe methods of assembling hose and couplings, Dixon® offers Hose Coupling Workshops suitable for a company's sales force and shop personnel.

Classes consist of lectures and/or hands-on demonstrations of coupling selection, hose preparation, coupling installation, assembly testing and maintenance procedures. Morning, afternoon and all day classes are available. For more information, please visit dixonvalve.com/hcw or call 800.355.1991.

We encourage you to share this information with anyone who may be affected by the selection, installation, maintenance or use of any hose assembly. Always use quality products to **Be Safe**.

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Selecting Materials

This information is intended to help make general comparisons between different available materials.

Material	Features and Benefits
Stainless Steel	A corrosion-resistant material that provides high strength at high temperatures, helps prevent contamination of product being transported, maintains cleanliness, and retains a lustrous appearance. Harder then brass. *Type 304* is a low-carbon chromium-nickel stainless steel. *Type 316* is similar to type 304, but has a high nickel content as well as a molybdenum for stronger resistance to heat and corrosion. Often used for water, oil, gas, and steam in low- to high-pressure applications.
Brass	Has good corrosion resistance and is less expensive than stainless steel. Is softer and easier to thread than stainless steel and forms tight seals. It can be used interchangeably with copper where heavier walls are required. Found in plumbing and heating application. Also good with oil, natural gas, and air. Resists corrosion from salt water as well as fresh water polluted with waste from mineral acids and peaty soils. Use in low- to high-pressures applications.
Steel	Used in noncorrosive environments. This carbon- and iron-based metal is hard and strong. It is an economical alternative to stainless steel and brass in high-pressure applications. For use with water, oil, gas, and steam in low- to high-pressure applications where corrosion is not a problem.

Product application is based not only on material selection but on design of product for intended use. Please contact Dixon® for selection of the proper fitting for your application.

Corrosion Resistance of Coupling Material

⚠WARNING

The data on the following pages has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

Ratings

Metal	Non-Metal	Gasket/Seal Material
1 = Excellent 2 = Good 3 = Fair X = Not Recommended - = Contact Dixon®	A = Acceptable X = Not Recommended - = Contact Dixon®	T = PTFE V = FKM E = EPDM, EPR N = Neoprene B = Buna N

1. Ratings given are based at **70°F (21°C)**. Chemical compatibility varies greatly with temperature. For applications at temperatures other than **70°F (21°C)**, contact Dixon® for recommendations at 800.355.1991.

2. Gasket / seal materials are not necessarily listed in order of preference.

3. Chemical resistance of a material does not necessarily indicate the suitability of a fitting in a given application due to variables such as improper clamp and coupling application, special hose construction, gasket material, etc.

Special caution should be taken when handling hazardous materials.

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AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylene	Seal Material
Acetate Solvents (Crude)	1	X	X	1	2	2	1	1	A	X	T
Acetate Solvents (Pure)	1	1	1	1	X	1	1	1	A	X	T
Acetic Acid (80%)	3	X	X	1	X	1	1	1	X	X	TEVNB
Acetic Acid (50%)	2	X	X	1	X	2	2	1	X	X	TEVNB
Acetic Acid (20%)	2	X	X	1	X	2	2	1	X	X	TEVNB
Acetic Acid (10%)	2	X	2	1	X	2	1	1	X	X	TEVNB
Acetic Anhydride	2	X	2	1	2	2	2	2	X	X	TNB
Acetone	1	2	2	1	2	1	1	1	A	X	TE
Acetylene	1	X	X	2	2	2	1	1	X	X	TEVNB
Alcohols											
Amyl Alcohol	2	2	2	2	2	1	2	2	A	A	TEVNB
Benzyl Alcohol	2	2	2	2	2	1	1	1	X	A	TVB
Butyl Alcohol	1	2	1	2	2	1	1	1	A	A	TEVN
Diacetone Alcohol	1	1	2	1	2	1	2	2	X	A	TE
Ethyl Alcohol	1	2	2	1	2	2	2	2	X	A	TEVNB
Hexyl Alcohol	-	-	-	1	-	-	-	-	A	-	-
Isobutyl Alcohol	-	-	-	-	-	-	-	-	A	-	-
Isopropyl Alcohol	2	2	2	2	2	2	2	2	A	A	TEVNB
Methyl Alcohol (Methanol)	2	2	2	1	2	2	2	2	A	A	TENB
Octyl Alcohol	-	-	-	-	-	-	-	-	A	-	-
Propyl Alcohol	2	2	2	1	2	2	1	1	X	A	TEVNB
Aluminum											
Aluminum Chloride (Aqu.)	X	X	X	1	X	X	X	X	A	A	TEVNB
Aluminum Fluoride (Sat.)	2	-	-	-	X	2	X	2	X	A	TEVNB
Aluminum Nitrate (Sat.)	3	X	-	-	X	-	2	2	A	A	TEVNB
Aluminum Potassium Sulfate (Alum)	2	2	2	2	X	2	X	2	X	A	TEVNB
Aluminum Sulfate (Sat.)	X	X	2	2	X	2	-	2	A	A	TEVNB
Ammonia											
Ammonia Anhydrous	1	X	X	2	1	1	2	1	A	X	TENB
Ammonia Gas	X	X	X	1	1	X	1	1	A	X	TENB
Ammonia Nitrate	-	-	-	-	-	-	-	-	X	-	-
Ammonium											
Ammonium Biflouride	-	X	-	2	X	2	-	-	X	A	TEVB
Ammonium Carbonate (Sat.)	2	X	X	2	2	2	2	2	A	A	TEVNB
Ammonium Casenate	-	-	-	-	-	-	-	-	A	-	-
Ammonium Chloride (Sat.)	X	X	2	2	X	2	X	X	A	A	TEVNB
Ammonium Hydroxide (Sat.)	2	X	X	2	1	X	2	2	A	A	TEVNB
Ammonium Nitrate	2	X	X	-	X	X	-	-	A	A	TENB
Ammonium Phosphate (10-40%)	X	X	X	-	X	2	1	2	A	A	TEVNB
Ammonium Sulfate (10-40%)	X	X	3	2	X	2	X	2	A	A	TEVNB
Aniline	-	X	2	2	X	2	1	1	X	X	TV
Arsenic Acid	X	X	2	2	X	X	2	2	X	A	TEVNB
Asphalt	-	-	-	-	2	-	-	2	X	X	TV
Barium											
Barium Carbonate (Sat.)	X	2	2	2	2	2	2	2	A	A	TEVNB
Barium Chloride (Sat.)	-	2	2	1	-	2	X	-	A	A	TEVNB
Barium Hydroxide (Sat.)	X	2	X	2	2	1	2	2	A	A	TEVNB
Barium Sulfate	2	2	2	-	X	2	2	2	A	A	TEVNB
Barium Sulfide	X	X	X	-	2	X	2	2	A	A	TEVNB
Beer	1	2	2	1	2	1	1	1	A	A	TEVNB
Benzaldehyde	2	2	2	2	X	2	2	2	X	X	TE
Benzene, Benzol	1	2	2	2	2	2	2	2	A	X	TV
Benzine	-	-	-	-	-	-	-	-	A	X	-
Benzoic Acid	2	2	2	-	X	2	2	2	X	X	TVN
Black Liquor	X	X	X	X	-	2	2	2	X	A	TEVNB
Bleach (12.5% Active Chlorine)	X	-	-	1	X	-	-	X	X	A	TEVN
Borax	X	2	2	1	2	1	1	1	X	A	TEVNB
Boric Acid	1	X	2	1	X	2	-	-	X	A	TEVNB
Brine Acid	-	2	2	1	-	-	-	-	X	A	TEVNB
Bromic acid	X	X	X	-	-	X	-	-	X	A	TEVN
Bromine Liquid	2	-	-	-	-	-	X	X	X	X	TV
Butadiene, Butylene	2	2	2	2	2	1	2	2	X	X	TVNB
Butane	2	2	2	2	1	1	2	2	X	X	TV
Butyl Acetate	1	2	2	2	2	2	2	2	A	X	T
Butyric Acid	2	2	X	1	X	2	2	2	A	A	TV

Ratings given are based at **70°F (21°C)**.

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AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylene	Seal Material
Calcium											
Calcium Bisulfate	X	-	X	-	X	X	X	2	X	A	T
Calcium Bisulfide	-	-	-	-	-	2	-	2	A	A	TVB
Calcium Bisulfite	X	X	2	2	X	X	-	2	X	A	TVNB
Calcium Bromide	X	2	2	-	X	2	1	X	X	X	T
Calcium Carbonate	X	2	2	2	2	2	1	2	A	A	TEVB
Calcium Chloride (Sat.)	-	2	-	1	2	2	-	-	A	A	TEVNB
Calcium Hydroxide (Sat.)	X	2	X	-	2	2	2	2	A	A	TEVNB
Calcium Hypochlorite (Sat.)	X	X	X	-	X	X	X	2	X	A	TEV
Carbon											
Carbon Bisulfide	1	X	2	2	2	X	2	2	A	X	TV
Carbon Dioxide (Dry)	1	1	2	1	2	1	2	2	A	A	TENB
Carbon Dioxide (Wet)	1	X	-	2	3	-	2	2	X	A	TENB
Carbon Disulfide	1	X	2	2	2	X	2	2	A	X	TV
Carbon Monoxide	1	1	1	1	2	1	1	1	A	A	TEVNB
Carbon Tetrachloride	X	-	1	1	2	1	1	-	A	X	TV
Carbonic Acid	1	2	2	1	2	3	2	2	X	A	TEVNB
Castor Oil	2	2	2	1	2	1	2	2	X	A	TEVNB
Caustic Potash	X	-	-	1	X	-	-	2	A	A	TEVNB
Caustic Soda (see Sodium Hydroxide)											
Cellosolves	2	2	2	2	2	2	2	2	X	A	TE
Chlorine (Liquid)	-	-	-	1	2	2	-	3	X	X	TV
Chloroform	-	-	-	2	X	1	-	-	X	X	TV
Chlorosulfonic Acid	-	X	X	1	2	2	X	X	X	X	T
Clorox (Bleach, 5.5% CL)	X	-	-	-	X	-	-	2	X	-	TEVB
Chromic Acid (50%)	2	X	X	2	X	X	3	-	X	X	TVNB
Citric Acid	3	X	X	1	X	2	-	-	X	A	TEVNB
Coke Oven Gas	2	3	3	-	2	2	2	2	X	X	TEVN
Copper											
Copper Chloride	X	X	X	2	X	X	X	X	A	A	TEVNB
Copper Cyanide	X	X	X	1	-	X	2	2	X	-	TEVNB
Copper Sulfate	X	X	X	1	X	X	-	2	A	A	TEVNB
Crysylic Acid (Conc.)	2	2	X	-	2	3	2	2	X	X	TEV
Cyclohexane	2	2	2	2	2	1	2	2	A	X	TVB
Detergents	2	2	2	1	2	-	1	2	A	A	TEVNB
Dextrose	2	-	-	2	-	2	-	-	A	A	TEVNB
Diesel Fuels	1	1	1	2	2	-	1	1	A	X	TVB
Diethylamine	2	-	X	-	X	1	2	2	X	A	TN
Disodium Phosphate	-	-	-	-	1	-	-	1	A	A	TEV
Ethers	2	2	2	2	2	2	1	1	A	X	TB
Ethyl											
Ethyl Acetate	-	-	2	2	2	2	2	2	A	X	T
Ethyl Chloride	-	-	2	2	2	2	-	1	A	X	TEVB
Ethylene											
Ethylene Chloride	-	-	-	-	2	2	-	-	A	X	TV
Ethylene Dichloride	-	2	X	2	2	1	2	2	A	X	TV
Ethylene Glycol	1	2	2	1	2	2	2	2	A	X	TEVNB
Ethylene Oxide	X	X	X	1	3	2	2	2	X	X	T
Fatty Acids	1	3	3	1	X	2	-	1	A	A	TVNB
Ferric											
Ferric Chloride	X	X	2	2	X	X	X	X	X	A	TEVNB
Ferric Hydroxide	-	-	-	1	-	2	1	1	A	-	TEVNB
Ferric Nitrate (10-50%)	X	X	X	-	X	X	2	2	X	A	TEVNB
Ferric Sulfate	X	X	X	-	X	2	-	-	X	A	TEVNB
Ferrous											
Ferrous Chloride (Sat.)	X	X	2	2	-	X	X	X	X	A	TEVNB
Ferrous Sulfate	2	2	2	2	X	2	2	-	X	A	TEVNB
Fluboric Acid	X	-	-	1	1	2	-	-	X	A	TEVNB
Formaldehyde (50%)	-	2	2	2	X	2	1	1	X	A	TEN
Formic Acid (Anhyd.)	1	X	2	1	X	2	-	-	X	A	TEVN
Freon											
Freon 11	2	2	2	-	X	1	2	2	X	X	TVNB
Freon 12	2	2	2	1	X	2	2	2	X	X	TVNB
Freon 22	2	2	2	2	X	2	2	2	X	X	TN
Fruit Juices	2	2	3	1	X	1	2	2	A	A	TVNB
Fuel Oil	2	2	2	2	2	2	2	2	A	X	TVNB
Furfural	2	2	2	2	2	2	2	2	A	X	TEN

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AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylene	Seal Material
Gasoline											
Refined Gasoline	2	2	2	2	2	2	2	2	A	X	TVNB
Sour Gasoline	X	2	2	2	2	X	2	2	A	X	TVNB
Gelatin	2	2	2	-	X	2	2	2	A	A	TEVNB
Glucose	2	2	2	-	2	2	2	2	A	A	TEVNB
Glue	2	2	2	1	2	2	-	2	-	A	TEVNB
Glycerine	1	1	2	1	2	1	1	1	A	A	TEVNB
Glycols	2	2	2	-	2	2	2	2	A	A	TEVNB
Green Liquor	-	-	-	-	2	-	-	-	-	A	TEVNB
Heptane	2	2	2	1	2	2	2	2	A	X	TVNB
Hexane	2	2	2	1	2	2	1	1	A	X	TVNB
Hydrobromic Acid (50%)	X	X	X	2	X	X	X	X	X	A	TEV
Hydrobromic Acid (20%)	X	X	X	1	X	X	X	X	X	A	TEV
Hydrochloric Acid (20%)	X	X	X	1	X	3	X	X	X	A	TEVNB
Hydrochloric Acid (38%)	X	X	X	1	X	X	X	X	X	A	TEVN
Hydrocyanic Acid	2	X	X	2	2	2	2	2	X	A	TEVN
Hydrofluosilicic Acid (10-50%)	X	2	X	2	X	2	X	2	X	-	TEVNB
Hydrogen											
Hydrogen Peroxide (50%)	-	X	X	2	X	2	-	-	X	A	TEV
Hydrogen Sulfide (Aqu.)	-	-	-	2	-	2	X	2	X	A	TE
Hydrogen Chloride (Dry Gas)	X	2	-	1	2	1	-	-	X	A	TEVN
Hydrogen Gas	1	1	1	1	-	1	1	1	X	A	TEVNB
Hypochlorous Acid	X	X	X	2	X	X	X	X	X	X	TEV
Iodine	1	X	X	-	X	1	X	X	X	A	TEV
Isopropyl Ether	-	2	2	-	-	2	1	2	A	X	T
Jet Fuel (JP4, JP5)	2	1	2	1	2	2	2	2	X	X	TV
Kerosene	2	2	2	2	2	2	2	2	X	X	TVNB
Ketones	2	2	2	1	2	2	2	2	A	X	T
Lactic Acid (25%)	3	2	2	1	X	X	-	-	A	A	TEVN
Lactic Acid (80%)	2	2	X	2	X	-	-	-	A	A	TEVN
Lard Oil	2	-	2	1	3	2	2	2	A	A	TVB
Lead											
Lead Acetate	X	X	X	2	X	2	2	2	X	A	TENB
Lead Chloride	X	-	-	2	-	-	2	2	X	-	TVNB
Lead Sulfate	X	-	-	2	X	2	2	2	X	-	TEVNB
Lime Sulphur	X	X	X	-	X	2	2	2	X	A	TEVN
Linoleic Acid	2	X	3	2	X	2	2	2	X	A	TVB
Linseed Oil	2	2	2	2	2	2	2	2	A	A	TVNB
Lubricants (Oil)	2	1	-	-	2	2	2	2	A	X	TVNB
Magnesium											
Magnesium Carbonate	2	-	-	-	-	2	2	2	X	A	TEVNB
Magnesium Chloride	X	X	2	1	-	-	-	-	X	A	TEVNB
Magnesium Hydroxide	2	2	2	1	2	2	1	1	X	A	TEVNB
Magnesium Nitrate	2	2	2	1	2	2	2	2	X	A	TEVNB
Magnesium Oxide	-	-	-	-	-	-	-	-	X	-	-
Magnesium Sulfate	2	-	2	-	-	1	2	2	X	A	TEVNB
Maleic Acid	-	2	3	2	X	-	-	2	X	A	TEV
Mercuric											
Mercuric Chloride	X	X	X	-	X	X	X	-	X	A	TEVB
Mercuric Cyanide	X	X	X	2	X	2	2	2	X	A	TEVB
Mercury	X	X	X	1	2	-	1	1	A	A	TEVNB
Methane	1	1	2	1	2	1	1	1	A	X	TEVNB
Methanol	2	2	2	1	2	2	2	2	A	A	TENB
Methyl											
Methyl Bromide	X	-	-	-	2	-	2	2	X	X	TV
Methyl Ethyl Ketone	2	2	2	2	2	2	2	2	A	X	TE
Methyl Isobutyl Ketone	2	2	2	2	2	2	2	2	A	X	T
Methyl Methacrylate	2	-	-	-	X	-	2	2	X	A	T
Methylene Chloride	-	2	2	X	2	-	-	-	A	X	T
Milk	1	X	X	1	2	X	1	1	A	A	TEVNB
Mineral Oil	2	1	-	-	2	1	1	2	A	A	TVNB
Muriatic Acid	X	-	-	1	-	X	X	X	X	A	TV
Napthalene	2	2	2	2	2	2	1	1	A	A	TV
Naptha	2	2	2	2	2	2	2	2	A	X	TVB

Ratings given are based at **70°F (21°C)**.

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AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylene	Seal Material
Nickel											
Nickel Chloride	X	X	X	-	X	2	-	-	X	A	TEVNB
Nickel Sulfate	X	X	-	2	-	-	2	2	X	A	TEVNB
Nitric											
Nitric Acid (100%)	1	X	X	2	X	X	2	-	X	X	TV
Nitric Acid (50%)	X	X	X	1	X	X	2	-	X	X	TV
Nitric Acid (30%)	X	X	X	1	X	X	1	-	X	X	TV
Nitrobenzene	1	2	2	-	2	2	2	2	A	A	T
Oils											
Castor Oil	2	2	2	1	2	1	2	2	A	A	TEVNB
Coconut Oil	2	-	2	-	3	2	2	2	A	A	TVB
Corn Oil	2	2	2	-	2	2	-	2	A	A	TVNB
Cotton Seed Oil	2	2	2	-	2	1	2	2	A	A	TVNB
Fuel Oil	2	2	2	2	2	2	2	2	A	X	TVNB
Linseed Oil	2	2	2	2	2	2	2	2	A	A	TVNB
Mineral Oil	2	1	-	-	2	1	1	2	A	A	TVNB
Silicon Oil	2	1	2	-	2	-	2	2	A	A	TEVB
Vegetable Oil	2	2	2	1	2	1	1	1	A	X	TVNB
Oleic Acid	2	3	2	2	2	1	-	1	A	X	TB
Oleum	2	X	X	-	2	X	2	2	X	X	TV
Oxalic Acid (Sat.)	2	-	2	2	X	2	X	X	X	A	TEV
Oxygen	2	2	2	-	2	2	2	2	X	X	TEVNB
Palmitic Acid (Sat.)	2	3	2	-	3	2	2	2	X	A	TVB
Paraffin	2	2	2	2	2	2	2	2	A	A	TVNB
Perchloroethylene	2	2	2	2	2	1	-	-	X	X	TV
Petrolatum	2	-	2	-	3	2	2	2	A	-	TVNB
Phenol (Carbolic Acid)	1	1	X	1	2	1	-	1	X	X	TV
Phosphoric Acid											
Phosphoric Acid (25-50%)	X	X	2	1	X	X	-	-	X	A	TEVN
Phosphoric Acid (50-85%)	X	X	X	1	X	3	-	-	X	A	TEV
Photographic Solutions	-	-	-	-	X	1	1	1	X	X	TVNB
Phthalic Anhydride	-	2	2	1	2	1	1	1	X	X	TEV
Picric Acid	1	X	X	2	X	X	2	2	X	-	TEVNB
Plating Solutions											
Brass Plating Solution	-	-	-	1	-	-	-	2	X	A	TEVNB
Cadmium Plating Solution	-	-	-	1	-	-	-	2	X	A	TEVNB
Chrome 40% Plating Solution	X	2	2	1	X	X	2	2	X	A	TEVN
Copper (Cyanide) Plating Solution	-	-	-	1	-	-	-	-	X	A	TEVNB
Gold Plating Solution	-	-	-	1	-	-	-	1	X	A	TEVNB
Iron Plating Solution	-	-	-	-	-	-	-	-	X	A	TEVB
Lead Plating Solution	-	-	-	-	-	-	1	1	X	A	TEVNB
Nickel Plating Solution	-	-	-	1	-	-	1	1	X	A	TEVNB
Silver Plating Solution	-	-	-	1	-	-	1	1	X	A	TEVNB
Tin Plating Solution	-	-	-	1	-	-	-	3	X	A	TEVNB
Zinc Plating Solution	-	-	-	1	-	-	-	-	X	A	TEVNB
Potassium											
Potassium Acetate	X	X	X	-	2	-	-	-	A	A	TEVB
Potassium Bicarbonate (30%)	X	2	-	2	2	2	1	1	A	A	TEVNB
Potassium Carbonate (50%)	X	2	X	2	2	2	1	1	A	A	TEVNB
Potassium Chlorate (30%)	2	X	X	-	2	2	2	1	X	A	TEVNB
Potassium Chloride (30%)	X	X	2	-	2	1	-	-	A	A	TEVNB
Potassium Chromate (30%)	2	2	2	2	-	2	2	2	X	A	TEVB
Potassium Cyanide Solution (30%)	X	X	X	2	2	2	2	2	X	A	TEVNB
Potassium Dichromate (30%)	1	2	2	2	2	2	1	1	X	A	TEVB
Potassium Hydroxide (90%)	X	X	X	2	-	2	X	-	X	A	TENB
Potassium Nitrate (80%)	1	2	2	2	2	2	2	2	X	A	TEVNB
Potassium Permanganate (20%)	2	2	2	1	2	2	2	2	X	A	TEVN
Potassium Sulfate (10%)	1	2	2	1	2	1	1	1	A	A	TEVNB
Propane	1	1	1	2	2	1	2	2	X	X	TVB
Propylene Gylcol	2	2	2	2	2	2	2	2	A	A	TVNB
Propylene Oxide (90%)	-	-	-	-	-	-	1	1	X	X	TE
Pyridine	2	2	2	-	2	2	2	2	A	X	T
Pyrogallic Acid	2	2	2	2	2	2	2	2	X	X	TVNB
Silver Nitrate	X	X	X	-	X	X	2	1	X	A	TEVNB
Soap Solutions	2	2	2	1	2	2	2	2	A	A	TEVNB

Ratings given are based at **70°F (21°C)**.

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AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylene	Seal Material
Sodium											
Sodium Acetate	1	2	2	-	X	2	2	2	A	A	TEN
Sodium Bicarbonate (20%)	2	2	2	1	3	1	1	1	A	A	TEVNB
Sodium Bisulfate	X	-	2	2	2	-	-	-	A	A	TEVNB
Sodium Bisulfite	X	2	X	2	X	-	-	-	A	A	TEVNB
Sodium Borate	2	2	2	2	3	2	2	2	A	A	TEVNB
Sodium Perborate (10%)	2	X	2	2	2	2	2	2	X	A	TEVNB
Sodium Carbonate	X	2	-	2	2	1	-	2	A	A	TEVNB
Sodium Chlorate (50%)	2	2	2	1	X	1	2	2	X	A	TEVNB
Sodium Cyanide	X	X	X	2	2	X	-	-	A	A	TEVNB
Sodium Dichromate	2	X	X	1	2	-	2	2	X	A	TE
Sodium Hydroxide (70%)	X	X	X	1	3	1	2	2	X	A	TENB
Sodium Hydroxide (50%)	X	X	3	1	3	1	1	-	X	A	TENB
Sodium Hydroxide (30%)	X	2	3	2	2	1	1	1	X	A	TENB
Sodium Chloride (30%)	X	2	2	2	2	1	-	-	X	A	TEVNB
Sodium Hypochlorite	X	X	X	-	X	X	-	-	X	A	TEV
Sodium Metaphosphate	X	X	2	-	X	2	2	2	X	X	TEVNB
Sodium Nitrate (40%)	1	2	-	-	2	2	1	1	A	A	TENB
Sodium Perborate (10%)	2	X	2	2	2	2	2	2	X	A	TEVNB
Sodium Peroxide (10%)	2	X	X	2	2	2	2	2	X	A	TEVNB
Sodium Silicate	1	2	2	2	2	2	2	2	A	A	TEVNB
Sodium Sulfate	-	2	2	2	2	-	-	1	A	A	TEVNB
Sodium Sulfide (50%)	X	X	X	2	2	2	-	2	X	A	TEVNB
Sodium Thiosulphate	2	X	X	2	X	2	2	2	A	A	TEVNB
Stannic Chloride	X	X	X	-	X	X	X	X	X	A	TEVNB
Stannous Chloride	X	X	X	2	X	-	X	-	X	X	TEVNB
Steam	-	-	-	-	-	-	-	-	X	-	-
Stearic Acid	2	3	2	1	3	3	2	1	A	A	TVNB
Stoddard's Solvent	2	2	2	1	2	2	2	2	X	A	TVB
Sugar Liquors (Cane)	1	2	1	-	2	2	2	2	A	A	TEVNB
Sugar Liquors (Beet)	1	2	1	-	2	1	1	1	A	A	TEVNB
Sulfate Liquors	2	X	X	2	3	2	-	2	X	A	TVNB
Sulfite Liquors	X	X	-	1	X	X	2	2	X	X	TVNB
Sulfur Chloride	X	-	X	2	X	X	-	-	X	X	TV
Sulfur Dioxide (Dry)	2	2	2	2	1	2	-	2	X	A	TE
Sulfur Trioxide	2	2	X	2	2	2	-	2	X	X	TEV
Sulfuric Acid (TO 10%)	X	2	X	1	X	X	X	X	X	A	TEVNB
Sulfuric Acid (100%)	X	X	X	1	2	X	-	-	X	X	TV
Sulfurous Acid	2	2	X	-	X	X	X	-	X	A	TV
Tannic Acid	X	-	X	-	X	2	2	2	X	A	TEVNB
Tanning Liquors	1	-	2	1	-	-	1	1	X	A	TVNB
Tartaric Acid	-	-	2	2	-	-	1	1	A	A	TVNB
Titanium Tetrachloride	X	X	X	2	2	2	-	2	X	X	TV
Toluene	1	1	1	1	1	1	1	1	A	X	TVB
Tetrahydrofuran	X	-	2	1	1	-	1	2	A	X	T
Tomato Juice	2	-	3	2	3	2	2	2	X	A	TEVNB
Trichloroethylene	1	-	2	1	2	-	-	-	A	X	TV
Triethanolamine	2	X	2	2	2	2	2	2	A	X	TEVN
Triethylamine	-	-	-	-	-	2	2	2	A	X	TVB
Trisodium Phosphate (10%)	X	2	-	1	2	2	1	1	A	A	TVNB
Turpentine	2	X	2	2	2	1	1	1	X	X	TVB
Urea (50%)	2	-	2	-	2	2	2	2	A	A	TEVNB
Urine	-	-	-	-	2	-	1	1	X	A	TEVNB
Vinegar	X	X	2	2	2	2	2	2	X	A	TEVN
Water Acid (Mine)	X	X	X	1	X	-	-	-	X	A	TEVNB
Water (Distilled)	X	2	2	1	X	X	2	2	A	A	TEVNB
Water (Sea)	2	2	2	1	X	2	2	2	A	A	TEVNB
Whiskey	X	2	2	1	2	2	1	1	X	A	TEVNB
White Liquor (Pulp)	2	-	X	2	X	X	2	2	X	A	TEVNB
Wine	X	2	2	1	X	2	1	1	X	A	TEVNB
Xylene	2	2	2	1	2	2	2	2	A	X	TV
Zinc											
Zinc Chloride	X	X	X	2	X	-	X	2	A	A	TEVNB
Zinc Nitrate	-	-	-	-	-	-	2	2	X	A	TEVNB
Zinc Sulfate (50%)	X	2	2	2	X	2	1	1	X	A	TEVNB

Ratings given are based at **70°F (21°C)**.

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Fraction - Decimal Conversion Chart

	Inches	Millimeters
1/64	.015625	.3969
1/32	.03125	.7938
3/64	.046875	1.1906
1/16	.0625	1.5875
5/64	.078125	1.9844
3/32	.09375	2.3813
7/64	.109375	2.7781
1/8	.125	3.1750
9/64	.140625	3.5719
5/32	.15625	3.9688
11/64	.171875	4.3656
3/16	.1875	4.7625
13/64	.203125	5.1594
7/32	.21875	5.5563
15/64	.234375	5.9531
1/4	.250	6.3500
17/64	.265625	6.7469
9/32	.28125	7.1438
19/64	.296875	7.5406
5/16	.3125	7.9375
21/64	.328125	8.3344
11/32	.34375	8.7313
23/64	.359375	9.1282
3/8	.375	9.5250
25/64	.390625	9.9219
13/32	.40625	10.3188
27/64	.421875	10.7157
7/16	.4375	11.1125
29/64	.453125	11.5094
15/32	.46875	11.9063
31/64	.484375	12.3032
1/2	.500	12.7001
33/64	.515625	13.0969
17/32	.53125	13.4938
35/64	.546875	13.8907
9/16	.5625	14.2876
37/64	.578125	14.6844
19/32	.59375	15.0813
39/64	.609375	15.4782
5/8	.625	15.8751
41/64	.640625	16.2719
21/32	.65625	16.6688
43/64	.671875	17.0657
11/16	.6875	17.4626
45/64	.703125	17.8594
23/32	.71875	18.2563
47/64	.734375	18.6532
3/4	.750	19.0501
49/64	.765625	19.4470
25/32	.78125	19.8438
51/64	.796875	20.2407
13/16	.8125	20.6376
53/64	.828125	21.0345
27/32	.84375	21.4313
55/64	.859375	21.8282
7/8	.875	22.2251
57/64	.890625	22.6220
29/32	.90625	23.0188
59/64	.921875	23.4157
15/16	.9375	23.8126
61/64	.953125	24.2095
31/32	.96875	24.6063
63/64	.984375	25.0032
1	1.000	25.4001

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Measures of Pressure

1 Pound Per Square Inch = 144 Pounds Per Square Foot = 0.068 Atmosphere = 2.042 Inches of Mercury at 62°F = 27.7 Inches of Water at 62°F = 2.31 Feet of Water at 62°F.

1 Atmosphere = 30 Inches of Mercury at 62°F = 14.7 Pounds Per Square Inch = 2116.3 Pounds Per Square Foot = 33.95 Feet of Water at 62°F.

1 Foot of Water at 62°F = 62.355 Pounds Per Square Foot = 0.433 Pounds Per Square Inch.

1 Inch of Mercury at 62°F = 1.132 Feet of Water = 13.58 Inches of Water = 0.491 Pounds Per Square Inch.

Column of Water 12 Inches High, 1 Inch in Diameter = .341 Pounds

If temperature is kept constant, the volume of a given mass of gas is inversely proportional to the pressure which is exerted upon it.

Length Conversion Constants

Millimeters x .039370 = Inches
Meters x 39.370 = Inches
Meters x 3.2808 = Feet
Meters x 1.09361 = Yards
Kilometers x 3,280.8 = Feet
Kilometers x .62137 = Statute Mile
Kilometers x .53959 = Nautical Miles

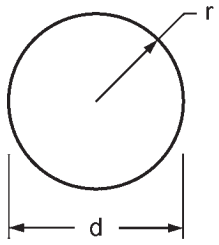
Inches x 25.4001 = Millimeters
Inches x .0254 = Meters
Feet x .30480 = Meters
Yards x .91440 = Meters
Feet x .0003048 = Kilometers
Statute Miles x 1.60935 = Kilometers
Nautical Miles x 1.85325 = Kilometers

Weight Conversion Constants

Grams x .03527 = Ounces (Avd.)
Grams x .033818 = Fluid Ounces (Water)
Kilograms x 35.27 = Ounces (Avd.)
Kilograms x 2.20462 = Pounds (Avd.)

Ounces (Avd.) x 28.35 = Grams
Fluid Ounces (Water) x 29.57 = Grams
Ounces (Avd.) x .02835 = Kilograms
Pounds (Avd.) x .45359 = Kilograms

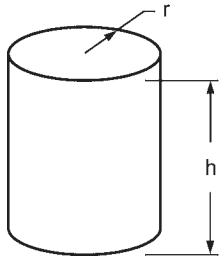
Circumference of a Circle



Circumference = $2\pi r = \pi d = 3.14159\ d$

Area = $\pi r^2 = \pi \frac{d^2}{4} = .78539 d^2$

Right Cylinder



r = radius
h = length

Volume = $\pi r^2 h$

Surface Area = $2\pi r\ (r + h)$

If end planes are parallel but not at 90° to h, the same formulas apply, but a slice at 90° through the cylinder must be used to determine r.

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Temperature Conversions

Look up reading in middle column (shaded). If in degrees Centigrade, read Fahrenheit equivalent in right-hand column; if in degrees Fahrenheit, read Centigrade equivalent in left-hand column.

°C	°C / °F	°F
-73	-100	-148
-68	-90	-130
-62	-80	-112
-57	-70	-94
-51	-60	-76
-46	-50	-58
-40	-40	-40
-34	-30	-22
-29	-20	-4
-23	-10	14
-17.8	0	32
-17.2	1	33.8
-16.7	2	35.6
-16.1	3	37.4
-15.6	4	39.2
-15.0	5	41.0
-14.4	6	42.8
-13.9	7	44.6
-13.3	8	46.4
-12.8	9	48.2
-12.2	10	50.0
-11.7	11	51.8
-11.1	12	53.6
-10.6	13	55.4
-10.0	14	57.2
-9.4	15	59.0
-8.9	16	60.8
-8.3	17	62.6
-7.8	18	64.4
-7.2	19	66.2
-6.7	20	68.0
-6.1	21	69.8
-5.6	22	71.6
-5.0	23	73.4
-4.4	24	75.2
-3.9	25	77.0
-3.3	26	78.8
-2.8	27	80.6
-2.2	28	82.4
-1.7	29	84.2
-1.1	30	86.0
-.6	31	87.8
0	32	89.6
.6	33	91.4
1.1	34	93.2
1.7	35	95.0
2.2	36	96.8
2.8	37	98.6
3.3	38	100.4
3.9	39	102.2
4.4	40	104.0
5.0	41	105.8
5.6	42	107.6
6.1	43	109.4
6.7	44	111.2
.72	45	113.0
7.8	46	114.8
8.3	47	116.6
8.9	48	118.4
9.4	49	120.2
10.0	50	122.0
10.6	51	123.8
11.1	52	125.6
11.7	53	127.4
12.2	54	129.2
12.8	55	131.0
13.3	56	132.8
13.9	57	134.6
14.4	58	136.4
15.0	59	138.2
15.6	60	140.0
16.1	61	141.8
16.7	62	143.6
17.2	63	145.4
17.8	64	147.2
18.3	65	149.0
18.9	66	150.8
19.4	67	152.6
20.0	68	154.4
20.6	69	156.2
21.1	70	158.0
21.7	71	159.8
22.2	72	161.6
22.8	73	163.4
23.3	74	165.2
23.9	75	167.0
24.4	76	168.8
25.0	77	170.6
25.6	78	172.4
26.1	79	174.2
26.7	80	176.0
27.2	81	177.8
27.8	82	179.6
28.3	83	181.4
28.9	84	183.2
29.4	85	185.0
30.0	86	186.8
30.6	87	188.6
31.1	88	190.4
31.7	89	192.2
32.2	90	194.0
32.8	91	195.8
33.3	92	197.6
33.9	93	199.4
34.4	94	201.2
35.0	95	203.0
35.6	96	204.8
36.1	97	206.6
36.7	98	208.4
37.2	99	210.2
37.8	100	212.0
43	110	230
49	120	248
54	130	266
60	140	284
66	150	302
71	160	320
77	170	338
82	180	356
88	190	374
93	200	392
99	210	410
100	212	413.6
104	220	428
110	230	446
116	240	464
121	250	482
127	260	500
132	270	518
138	280	536
143	290	554
149	300	572
154	310	590
160	320	608
166	320	626
170	338	640
171	340	644
177	350	662
182	360	680
186	366	691
188	370	698
193	380	716
198	388	730
199	390	734
204	400	752
208	406	763
210	410	770
216	420	788
221	430	806
227	440	824
232	450	842

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Steam Temperature and Pressure Conversion Guide

Temperature - Pressure Equivalents of Saturated Steam Gauge Pressure at Sea Level

- Degrees Celsius = 5/9 (Degrees F - 32)

Temperature °F	Temperature °C	Lbs. per Sq. Inch	Temperature °F	Temperature °C	Lbs. per Sq. Inch	Temperature °F	Temperature °C	Lbs. per Sq. Inch
212	100.0	0.0	286	141.1	39.4	336	168.9	97.1
214	101.1	0.6	287	141.7	40.3	337	169.4	98.7
216	102.2	1.2	288	142.2	41.1	338	170.0	100.2
218	103.3	1.8	289	142.8	42.0	339	170.6	101.8
220	104.4	2.5	290	143.3	42.9	340	171.1	103.3
222	105.6	3.2	291	143.9	43.8	341	171.7	105.0
224	106.7	3.9	292	144.4	44.7	342	172.2	106.5
226	107.8	4.6	293	145.0	45.6	343	172.8	108.2
228	108.9	5.3	294	145.6	46.5	344	173.3	109.8
230	110.0	6.1	295	146.1	47.5	345	173.9	111.5
232	111.1	6.9	296	146.7	48.4	346	174.4	113.1
234	112.2	7.7	297	147.2	49.4	347	175.0	114.8
236	113.3	8.5	298	147.8	50.3	348	175.6	116.5
238	114.4	9.4	299	148.3	51.3	349	176.1	118.2
240	115.6	10.3	300	148.9	52.3	350	176.7	119.9
242	116.7	11.2	301	149.4	53.4	352	177.8	123.5
244	117.8	12.1	302	150.0	54.4	354	178.9	127.1
246	118.9	13.1	303	150.6	55.4	356	180.0	130.8
248	120.0	14.1	304	151.1	56.4	358	181.1	134.5
250	121.1	15.1	305	151.7	57.5	360	182.2	138.3
252	122.2	16.2	306	152.2	58.6	362	183.3	142.3
254	123.3	17.3	307	152.8	59.7	364	184.4	146.2
256	124.4	18.4	308	153.3	60.7	366	185.6	150.3
258	125.6	19.6	309	153.9	61.9	368	186.7	154.4
260	126.7	20.7	310	154.4	63.0	370	187.8	158.7
261	127.2	21.4	311	155.0	64.2	372	188.9	163.0
262	127.8	22.0	312	155.6	65.3	374	190.0	167.4
263	128.3	22.6	313	156.1	66.5	376	191.1	171.9
264	128.9	23.2	314	156.7	67.6	378	192.2	176.4
265	129.4	23.9	315	157.2	68.8	380	193.3	181.1
266	130.0	24.5	316	157.8	70.0	382	194.4	185.8
267	130.6	25.2	317	158.3	71.3	384	195.6	190.6
268	131.1	25.8	318	158.9	72.5	386	196.7	195.6
269	131.7	26.5	319	159.4	73.7	388	197.8	200.6
270	132.2	27.2	320	160.0	75.0	390	198.9	205.7
271	132.8	27.9	321	160.6	76.3	392	200.0	210.9
272	133.3	28.6	322	161.1	77.5	394	201.1	216.2
273	133.9	29.3	323	161.7	78.8	396	202.2	221.5
274	134.4	30.0	324	162.2	80.1	398	203.3	227.0
275	135.0	30.8	325	162.8	81.5	400	204.4	232.6
276	135.6	31.5	326	163.3	82.8	402	205.5	238.0
277	136.1	32.3	327	163.9	84.2	404	206.7	244.0
278	136.7	33.0	328	164.4	85.6	406	207.8	250.0
279	137.2	33.8	329	165.0	87.0	408	208.9	256.0
280	137.8	34.5	330	165.6	88.4	410	210.0	262.0
281	138.3	35.3	331	166.1	89.8	412	211.1	268.0
282	138.9	36.1	332	166.7	91.2	414	212.2	275.0
283	139.4	36.9	333	167.2	92.7	416	213.3	281.0
284	140.0	37.7	334	167.8	94.1	418	214.4	288.0
285	140.6	38.6	335	168.3	95.6	420	215.6	294.0

Pressure Conversions

100 PSI = 6.9 Bars
250 PSI = 17.25 Bars
600 PSI = 41.4 Bars

5 Bars = 72.5 PSI
10 Bars = 145 PSI
25 Bars = 362.5 PSI

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Pressure - Temperature Ratings

- Ratings apply to all products covered by ANSI B16.5 valves conforming to the requirements of this standard must, in other respects, merit these ratings.
- All ratings are maximum allowable non-shock pressures (PSIG) at the tabulated temperatures (degree Fahrenheit). Temperatures are those on the inside of the pressure retaining structure.
- The use of these ratings requires gaskets conforming to the requirements of ANSI B16.5. The user is responsible for selecting gaskets of dimensions and materials to withstand the required bolt loading without injurious crushing, and suitable for the service conditions in all other respects.

Pressure Class	150	300
Test Pressure	425	1100
Service Temperature	Working Pressure	
-20 to 100	275	720
150	255	710
200	240	700
250	225	690
300	210	680
350	195	675
400	180	665
450	165	650
500	150	625
550	140	590
600	130	555
650	120	515
700	110	470
750	100	425

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Air Velocity in a Pipe

Using the equation and typical values of V, D and L explained to the right approximate values of P are computed as follows:

Velocity Ft / Sec	Pipe Diameter in Inches, 10' long				
	1	2	4	6	10
1	.0004	.0002	.0001	.00007	.00004
2	.0016	.0008	.0004	.00030	.00016
5	.0100	.0050	.0025	.00170	.0010
10	.0400	.0200	.0100	.00670	.0040
15	.0900	.0450	.0225	.01500	.0090
20	.1600	0080	.0400	.02700	.0160
25	.2500	.1250	.0625	.04170	.0250
30	.3600	.1800	.0900	.06000	.0360

$$V = \sqrt{\frac{25{,}000\ DP}{L}}$$

V = air velocity in feet per second
D = pipe inside diameter in inches
L = length of pipe in feet
P = pressure loss due to air friction in ounces/square inch

Air Volume Discharged from Pipe

CFM = air volume in cubic feet per minute
V = air velocity in feet per second as determined in the equation at the top of this page
A = cross section area of pipe in square feet

$$CFM = 60VA$$

Boyle's Law

If temperature is kept constant, the volume of a given mass of gas is inversely proportional to the pressure which is exerted upon it.

$$\frac{\text{Initial Pressure}}{\text{Final Pressure}} = \frac{\text{Final Volume}}{\text{Initial Volume}}$$

Air Supply Requirements (operating pressure: 90 PSI)

Tool	Class	Typical Air Consumption (CFM)	Hose Size (inches)		
			0 - 10 ft.	10 - 50 ft.	50 - 200 ft.
Paving breakers	25 lb. 35 lb. 60 lb. 80 lb.	45 50 65 80	1/2" 1/2" 1/2" 3/4"	1/2" 3/4" 3/4" 3/4"	3/4" 3/4" 1" 1"
Clay diggers		45	1/2"	1/2"	3/4"
Hand drills	8 lb. 15 lb.	20 32	3/8" 3/8"	3/8" 1/2"	1/2" 1/2"
Rock (sinker) drills	45 lb. 55 lb.	105 130	3/4" 3/4"	3/4" 1"	1" 1"
Tampers	5" butt 6" butt	20 30	3/8" 1/2"	1/2" 1/2"	1/2" 3/4"
Sump pump Sludge pump	3 HP Ejector	100 90	3/4" 1"	3/4" 1"	1" 1"
Vibrators	2-1/2" 3"	60 60	1" 1"	1" 1"	1" 1"
Chipping hammers		25	3/8"	1/2"	1/2"
Impact wrenches	3/8" sq. dr. 1/2" 3/4" 1"	10 15 25 50	5/16" 5/16" 3/8" 1/2"	3/8" 3/8" 1/2" 3/4"	3/8" 1/2" 1/2" 3/4"
Drills	1/4" - 1/2"	22	3/8"	3/8"	1/2"
Grinders	die / burr small angle 3 HP vertical	20 20 75	3/8" 3/8" 1/2"	3/8" 3/8" 3/4"	1/2" 1/2" 1"

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CFM vs PSI for Nozzles

- PSI = pounds/square inch
- CFM = cubic feet/minute

Gauge PSI	CFM Free Air Flow @ Nozzle Diameter (inches)							
	1/64	1/32	3/64	1/16	3/32	1/8	3/16	1/4
1	.03"	.11"	.2"	.4"	1.0"	1.7"	3.9"	6.8"
5	.06"	.24"	.5"	1.0"	2.2"	3.9"	8.7"	15.4"
10	.08"	.34"	.8"	1.4"	3.1"	5.4"	12.3"	21.8"
15	.10"	.42"	.9"	1.6"	3.7"	6.6"	15.0"	26.7"
20	.12"	.48"	1.1"	1.9"	4.2"	7.7"	17.1"	30.8"
25	.13"	.54"	1.2"	2.2"	4.7"	8.6"	19.4"	34.5"
30	.16"	.63"	1.4"	2.5"	5.6"	10.0"	22.5"	40.0"
40	.19"	.77"	1.7"	3.1"	6.8"	12.3"	27.5"	49.1"
50	.22"	.91"	2.0"	3.6"	8.2"	14.5"	32.8"	58.2"
60	.26"	1.05"	2.3"	4.2"	9.4"	16.8"	37.5"	67.0"
70	.29"	1.19"	2.7"	4.8"	10.7"	19.0"	43.0"	76.0"
80	.33"	1.33"	3.0"	5.3"	11.9"	21.2"	47.5"	85.0"
90	.36"	1.47"	3.3"	5.9"	13.1"	23.5"	52.5"	94.0"
100	.40"	1.61"	3.7"	6.4"	14.5"	25.8"	58.3"	103.0"
110	.43"	1.76"	3.9"	7.0"	15.7"	28.0"	63.0"	112.0"
120	.47"	1.90"	4.3"	7.6"	17.0"	30.2"	68.0"	121.0"
130	.50"	2.04"	4.6"	8.1"	18.2"	32.4"	73.0"	130.0"
140	.54"	2.17"	4.9"	8.7"	19.5"	34.5"	78.0"	138.0"
150	.57"	2.33"	5.2"	9.2"	20.7"	36.7"	83.0"	147.0"
175	.66"	2.65"	5.9"	10.6"	23.8"	42.1"	95.0"	169.0"
200	.76"	3.07"	6.9"	12.2"	27.5"	48.7"	110.0"	195.0"

Air Receiver Capacities

Tank Size (inches)	Tank Size (gallons)	Gauge Pressure on Tank (PSI)			
		0	100	150	200
		Cubic Feet Tank Capacity			
12 x 24	10	1.3	11	15	19
14 x 36	20	2.7	21	30	39
16 x 36	30	4.0	31	45	59
20 x 48	60	8.0	62	90	117
20 x 63	80	10.7	83	120	156
24 x 68	120	16.0	125	180	234
30 x 84	240	32.0	250	360	467

If your tank is not listed in the table to the left, use the following formula to calculate the tank size (gallons) and then estimate the cubic feet tank capacity at a given pressure from the table above.

$$\text{Tank Gallons} = \frac{\text{Tank Height x (Tank Radius)}^2}{73.53}$$

Height and Radius are in inches

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Air Hose Friction

- PSI = pressure in pounds/square inch
- CFM = air flow in cubic feet/minute

Hose Size (inches)	CFM thru 50' Hose	Gauge Pressure - Pounds/sq inch			
		50	**70**	**90**	**110**
		PSI Loss Over 50' Hose Length			
½"	20	1.8	1.0	.8	.6
	30	5.0	3.4	2.4	2.0
	40	10.1	7.0	5.4	4.3
	50	18.1	12.4	9.5	7.6
	60	+	20.0	14.8	12.0
	70	+	28.4	22.0	17.6
	80	+	+	30.5	24.6
	90	+	+	41.0	33.3
	10	+	+	+	44.5
	110	+	+	+	+
¾"	20	04	.2	.2	.1
	30	.08	.5	.4	.3
	40	1.5	.9	.7	.5
	50	2.4	1.5	1.1	.9
	60	3.5	2.3	1.6	1.3
	70	4.4	3.2	2.3	1.8
	80	6.5	4.2	3.1	2.4
	90	8.5	5.5	4.0	3.1
	100	11.4	7.0	5.0	3.9
	110	14.2	8.8	6.2	4.9
	120	+	11.0	7.5	5.9
	130	+	+	9.0	7.1
1"	20	.1	0	0	0
	30	.2	.1	.1	.1
	40	.3	.2	.2	.2
	50	.5	.4	.3	.2
	60	.8	.5	.4	.3
	70	1.1	.7	.6	.4
	80	1.5	1.0	.7	.6
	90	2.0	1.3	.9	.7
	100	2.6	1.6	1.2	.9
	110	3.5	2.0	1.4	1.1
	120	4.8	2.5	1.7	1.3
	130	7.0	3.1	2.0	1.5

+ pressure loss is too great and therefore the combination of hose size, CFM, and gauge pressure is not recommended. Gauge pressures the indicated air pressure in pounds/square inch, at the source (i.e. the air compressor receiver tank)

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Maximum Recommended Air Flow (SCFM) Through ANSI Standard Weight Schedule 40 Metal Pipe

- Flow values in the table below are based on a pressure drop of 10% of the applied pressure per 100 feet of pipe for ⅛", ¼", ⅜", and ½" pipe sizes; and a pressure drop of 5% of the applied pressure per 100 feet of pipe for ¾", 1", 1¼", 2", 2½", 3" pipe sizes. The table gives recommended flows for pipe sizes at listed pressures and should be used to determine appropriate piping for air systems.

Applied Pressure PSI	Nominal Standard Pipe Size										
	⅛"	¼"	⅜"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"
5	0.5	1.2	2.7	4.9	6.6	13	27	40	80	135	240
10	0.8	1.7	3.9	7.7	11.0	21	44	64	125	200	370
20	1.3	3.0	6.6	13.0	18.5	35	75	110	215	350	600
40	2.5	5.5	12.0	23.0	34.0	62	135	200	385	640	1100
60	3.5	8.0	18.0	34.0	50.0	93	195	290	560	900	1600
80	4.7	10.5	23.0	44.0	65.0	120	255	380	720	1200	2100
100	5.8	13.0	29.0	54.0	80.0	150	315	470	900	1450	2600
150	8.6	20.0	41.0	80.0	115.0	220	460	680	1350	2200	3900
200	11.5	26.0	58.0	108.0	155.0	290	620	910	1750	2800	5000
250	14.5	33.0	73.0	135.0	200.0	370	770	1150	2200	3500	6100

Suggested Pipe Size for Compressed Air Flow at 100 PSI Length of Run, Feet

SCFM Air Flow	25	50	75	100	150	200	300	500	1000	Compressor HP
4	½	½	½	½	½	½	½	¾	¾	1
12	½	½	½	¾	¾	½	¾	1	1	3
20	¾	¾	¾	¾	1	¾	1	1¼	1¼	5
30	¾	¾	1	1	1	1	1¼	1¼	1¼	7½
40	¾	1	1	1	1¼	1	1¼	1½	1½	10
60	1	1	1¼	1¼	1¼	1¼	1½	1½	2	15
80	1	1¼	1¼	1¼	1½	1¼	1½	2	2	20
100	1¼	1¼	1½	1½	1½	1½	2	2	2½	25
120	1¼	1½	1½	1½	2	1½	2	2½	2½	30
160	1¼	1½	1½	2	2	1½	2½	2½	3	40
200	1½	2	2	2	2	2	2½	3	3	50
240	1½	2	2	2	2½	2	2½	3	3	60
300	2	2	2	2½	2½	2	3	3	3½	75
400	2	2½	2½	2½	3	2½	3	3½	4	100
500	2	2½	2½	3	3	2½	3½	3½	4	125

On a compressed air distribution system, pressure losses greater than 3% are considered excessive, and a well-designed system having a steady rate of air flow is usually designed for not more than a 1% loss or 1 PSI for a 100 PSI system. The pipe size depends not only on the volume of air flow but how far it must be carried. To hold the distribution loss to 1 PSI, pipes of larger diameter must be used on longer runs to carry the same flow that can be handled by smaller pipes on shorter runs.

Figures in the body of the chart above are pipe sizes recommended on a 100 PSI system to carry air with less than 1 PSI loss. When measuring lengths of runs, add 5' of length for each pipe fitting. If carrying 120 PSI pressure these sizes will carry slightly more air than shown, or pressure loss will be slightly less than 1 PSI. If carrying 80 PSI pressure these pipes will carry slightly less air at 1 PSI pressure loss than shown in the chart.

The left column of the chart shows the volume of air to be carried. It is difficult to estimate the air flow volume to be carried in each leg of the distribution system. This varies with the application. On some applications, like in a large plant with many legs in the distribution system serving dozens of air-operated machines, the air usage may be at a fairly steady rate. Other applications, usually on small systems, may have to carry a high surge of air if several machines happen to be operated at the same time. Then there may be a period with almost no flow.

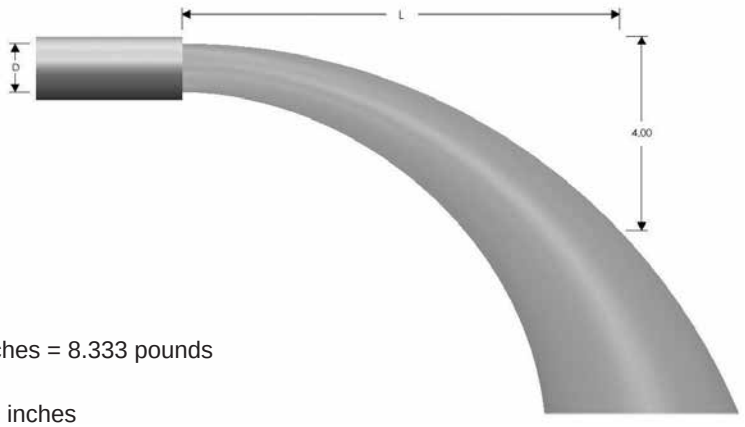
To make a realistic estimate of air flow volume, the far right column of the chart showing compressor HP may be used. On steady pumping, a compressor will produce a minimum of 4 SCFM air flow for each 1 HP of capacity. This is a conservative figure, as most compressors will produce 5 or 6 SCFM.

For example, a 25 HP compressor will produce at least 100 SCFM of air as shown in the far left column on the same line as 25 HP.

excerpted from *Industrial Fluid Power*, Volume 1, third edition, 1984

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Water Constants and Formulas



1 gallon water = 231 cubic inches = 8.333 pounds

1 pound of water = 27.7 cubic inches

1 cubic foot water = 7.5 gallons = 62.5 pounds (salt water weighs approximately 64.3 pounds per cubic foot)

Pounds per square inch at bottom of a column of water = height of column in feet x .434

1 miner's inch = 9 to 12 gallons per minute

Horsepower to raise water
If pumping liquid other than water, multiply the gallons per minute below by the liquids specific gravity

$$\text{Horsepower} = \frac{\text{gallons per minute x total head in feet}}{3960}$$

Gallons per minute through a pipe
GPM = .0408 x pipe diameter inches^2 x feet/minute water velocity

Weight of water in a pipe
Pounds water = pipe length feet x pipe diameter inches ^{2} x .34

L Distance (inches)	Gallons per Minute Discharge for a Given Nominal Pipe Diameter D (inches)				
	5	6	8	10	12
5	163	---	---	---	---
6	195	285	---	---	---
7	228	334	580	---	---
8	260	380	665	1060	---
9	293	430	750	1190	1660
10	326	476	830	1330	1850
11	360	525	915	1460	2020
12	390	570	1000	1600	2220
13	425	620	1080	1730	2400
14	456	670	1160	1860	2590
15	490	710	1250	2000	2780
16	520	760	1330	2120	2960
17	550	810	1410	2260	3140
18	590	860	1500	2390	3330
19	620	910	1580	2520	3500
20	650	950	1660	2660	3700
21	685	1000	1750	2800	3890
22	720	1050	1830	2920	4060
23	750	1100	1910	3060	4250
24	---	1140	2000	3200	4440

Water Discharge Table

This table is intended for general reference and general applicability only, and should not be relied upon as the sole or precise source of information available with respect to the subject covered. The user should also refer to and follow manufacturer's specific instructions and recommendations with regard to such information, where they exist.

Flow of water through 100 foot lengths of hose, Straight - Smooth Bore - US gallons per minute

PSI at Hose Inlet	Nominal Hose ID Diameters - Inches							
	1"	1¼"	1½"	2"	2½"	3"	4"	6"
20	26	47	76	161	290	468	997	2895
30	32	58	94	200	360	582	1240	3603
40	38	68	110	234	421	680	1449	4209
50	43	77	124	264	475	767	1635	4748
60	47	85	137	291	524	846	1804	5239
75	53	95	154	329	591	955	2035	5910
100	62	112	180	384	690	1115	2377	6904
125	70	126	203	433	779	1258	2681	7788
150	77	139	224	478	859	1388	2958	8593
200	90	162	262	558	1004	1621	3455	10038

Figures are to be used as a guide since the hose inside diameter tolerance, the type of fittings used, and orifice restriction all influence the actual discharge. Thus, variations plus or minus from the table may be obtained in actual service.

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Conversion Table - Feet of Water to Inches of Mercury

Feet of Water	1	2	4	6	8	10	12	14	16	20	22	24	26	28	30	32	34
Inches of Mercury	0.9	1.8	3.5	5.3	7.1	8.8	10.6	12.4	14.1	17.7	19.4	21.2	23.0	24.8	26.5	28.3	30.0

Feet Head of Water to PSI

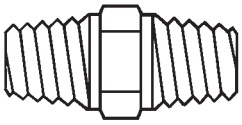
- One foot of water at 62°F = 0.433 PSI, to find the PSI for any feet head not given in the table, multiply the feet head by 0.433.

Feet Head	Pounds per Square Inch
1	0.43
2	0.87
3	1.30
4	1.73
5	2.17
6	2.60
7	3.03
8	3.46
9	3.90
10	4.33
15	6.50
20	8.66
25	10.83
30	12.99
40	17.32
50	21.65
60	25.99
70	30.32
80	34.65
90	38.98
100	43.31
110	47.64
120	51.97
130	56.30
140	60.63
150	64.96
160	69.29
170	73.63
180	77.96
200	86.62
250	108.27
300	129.93
350	151.58
400	173.24
500	216.55
600	259.85
700	303.16
800	346.47
900	389.78
1000	433.00

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Pipe Threads

Pipe threads are either tapered or straight (parallel). The two styles may or may not be compatible. Refer to thread information chart on page 939.

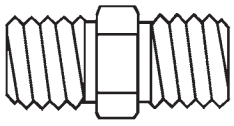


tapered threads

Tapered threads

Tapered threads are the most common type of thread available. As the name implies, they have a slight taper. When mated together and tightened, the threads compress and may form a seal. Usually a thread sealant is required. The mating threads both hold the fitting in place and seal the connection. The most widely used pipe threads in North America are NPT (National Pipe Taper). Some confusion may result from the use of NPT, FPT, and MPT in describing threads. Both FPT and MPT are NPT threads, with FPT meaning female threads (internal) and MPT meaning male threads (external).

NPTF (Dryseal) threads are modified NPT threads, which are less likely to leak without a sealant. For a leak-free seal, we recommend using a sealant compound or PTFE tape. You can use NPTF threads with NPT threads, but you'll lose some of the leak-free characteristics.



straight threads

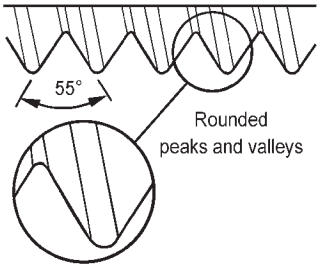
Straight threads

Straight (parallel) threads are used for mechanical joining. They serve one purpose - to hold a fitting in place. As a result, an O-ring (elastomer), hard metal seal or a soft seat seal is required. Straight pipe threads include NPSM (National Pipe Straight Mechanical), and NPSH (National Pipe Straight Hose). Sizing and pitches may differ from the NPT threads

Less common straight threads are GHT (Garden Hose) and NST (fire hose coupling).

NPT vs. BSP (British Standard Pipe)

BSPT/BSPP threads

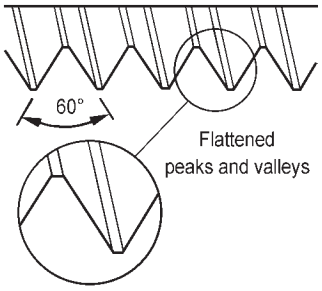


BSP threads are common in many countries outside the United States. BSP consists of two types of threads - BSPT (British Standard Pipe Taper) and BSPP (British Standard Pipe Parallel).

BSPT threads have a slight taper similar to NPT. BSPP threads are straight (parallel) threads and have the same thread angle, shape and threads per inch (pitch) as BSPT threads. *BSPT and BSPP threads should not be substituted for NPT threads*.

NPT and BSPT/BSPP threads have different angles, shape, and (in most cases) threads per inch (pitch). The thread angle is 60° for NPT threads; 55° for BSPT/BSPP threads. NPT threads are flattened at the peaks and valleys, while BSPT/BSPP threads are rounded.

NPT threads



Nominal Pipe Size	Threads per inch	
	NPT	BSPT / BSPP
1/16"	27	---
1/8"	27	28
1/4"	18	19
3/8"	18	19
1/2"	14	14
3/4"	14	14
1"	11½	11
1-1/4"	11½	11
1-1/2"	11½	11
2"	11½	11
2-1/2"	8	11
3"	8	11
3-1/2"	8	11
4"	8	11
5"	8	11
6"	8	11
8"	8	11

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Identifying Threads

It is important to identify the threads required before ordering couplings.

Identifying threads can sometimes be the most difficult and frustrating part of coupling selection. However, without the right combination of threads, you may not provide a functional or safe connection.

The diameters, threads per inch (TPI) and thread pitch, etc. are necessary to completely identify a thread. Ring, plug and GO/NOGO gauges are required to accurately gauge or identify threads. In the field, in the absence of these gauges, thread leaf gauges can be used to identify the Threads Per Inch (TPI) and the thread pitch. On threads you have determined to be straight threads, a caliper can be used to measure the Outside Diameter of the male (ODM) or the Inside Diameter of the female (IDF). A caliper can also be used to take measurements of tapered thread diameters. However, these are more difficult to define because of the taper. Fortunately, there are few tapered threads to deal with and these can usually be identified from the nominal ODM and the TPI.

However, identifying the thread may not fully identify what is needed in a mating fitting. The application is the primary *limiting factor on the thread type used.* Dixon® offers products with a wide variety of threads used with hose, pipe and hydraulics.

When attempting to choose a fitting, it is always advisable to first identify the thread to which it must connect. This may entail checking with a fitting or equipment manufacturer.

The fire hose thread specifications for some local municipal fire equipment and hydrants may vary according to local specifications. These can generally be most easily identified by contacting the local fire department responsible for the hydrant. The most common thread used on fire equipment is National Standard Thread (NST), also known as National Hose thread (NH).

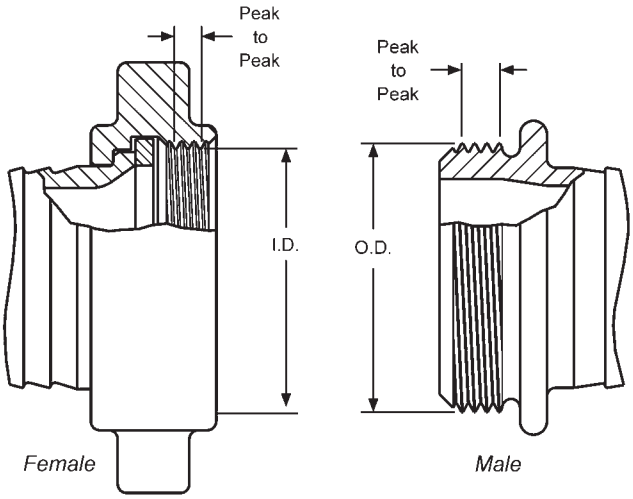
When it is not possible to identify the thread:

1. Determine the number of threads per inch by measuring the distance from peak of thread to peak of thread across the largest number of whole threads. Then divide the number of threads by the measurement (this will provide the TPI).

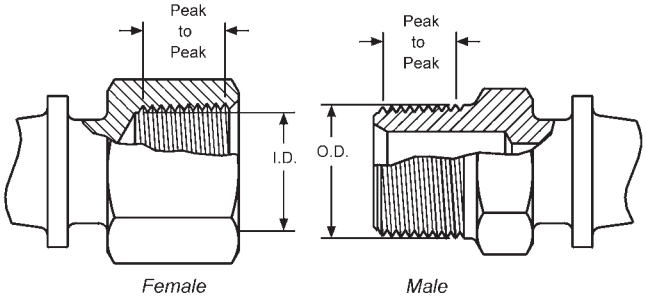
2. Check to see if the thread is straight or tapered.
   a) Straight Threads
      Measure the Outside Diameter of the Male (ODM) or the Inside Diameter of the Female (IDF), from peak of thread to peak of thread.
   b) Tapered Threads
      Measure the Outside Diameter of the Male (ODM) at the large end and the small end, or the Inside Diameter of the Female (IDF) at the large end and the small end, from peak of thread to peak of thread. Then measure the Outside Diameter (OD) of the unthreaded pipe.

Once the application and these two pieces of information have been determined, the thread can generally be determined. When in doubt, call Dixon® at 800.355.1991.

Straight Thread



Tapered Thread



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Abbreviation	System Name	Compatibility	Seal Method
BSPP	**B**ritish **S**tandard **P**ipe **P**arallel	male BSPP with female BSPP	washer
		female BSPP with male BSPP	washer
		female BSPP with male BSPT	washer
BSPTr	**B**ritish **S**tandard **P**ipe **T**aper	male BSPTr with female BSPTr	thread
		male BSPTr with female BSPP	washer
		female BSPTr with male BSPTr *female BSPTr not compatible with male BSPP*	thread
CHT	American Standard Fire Hose Thread (1" National Hose Thread is **C**hemical **H**ose **T**hread, also known as Booster Hose Thread)	1" male NH (NST) with 1" female NH (NST)	washer
		1" female NH (NST) with 1" male NH (NST)	washer
		1" thread is used on both ¾" hose & 1" hose	not compatible
GHT	**G**arden **H**ose **T**hread	male GHT with female GHT	washer
		female GHT with male GHT	washer
		thread is same for all size hose	not compatible
IPS	**I**ron **P**ipe **S**traight **T**hread	generic name for Straight Pipe Thread *see NPSH for compatibility*	washer
IPT	**I**ron **P**ipe **T**hread	generic name for All Pipe Thread	more information required
JIC	**J**oint **I**ndustrial **C**ommittee	used with other mating JIC threads	mechanical
NH or NST	American Standard Fire Hose Coupling Thread (**N**ational **H**ose thread also known as **N**ational **S**tandard **T**hread)	male NH (NST) with female NH (NST)	washer
		female NH (NST) with male NH (NST) thread pitch and diameters of fire threads may vary according to local and municipal regulations *not compatible with other systems*	washer
NPT	American Standard Taper Pipe Thread (**N**ational **P**ipe **T**apered)	male NPT with female NPT	thread
		male NPT with female NPTF	thread
		male NPT with female NPSM	washer
		male NPT with female NPSH	washer
		female NPT with male NPT	thread
		female NPT with male NPTF *female NPT not compatible with male NPSM or male NPSH*	thread
NPTF	American Standard Taper Pipe Fuel Dryseal Thread (**N**ational **P**ipe **T**apered Dryseal)	male NPTF with female NPTF	thread
		male NPTF with female NPT	thread
		male NPTF with female NPSM	washer
		male NPTF with female NPSH	washer
		female NPTF with male NPTF	thread
		female NPTF with male NPT	thread
		female NPTF with male NPSM or NPSH *NPTF with NPTF threads do not require sealant for the initial use, after that, sealant is required*	not compatible
NPSH	American Standard Straight Pipe for Hose Couplings (**N**ational **P**ipe **S**traight **H**ose)	male NPSH with female NPSH	washer
		female NPSH with male NPSH	washer
		female NPSH with male NPT	washer
		female NPSH with male NPTF	washer
		female NPSH with male NPSM	washer
NPSM	American Standard Straight Mechanical Joints (**N**ational **P**ipe **S**traight **M**echanical)	male NPSM with female NPSM	Seal can be either mechanical or washer. Mating fittings must be of same type.
		male NPSM with female NPSH	
		female NPSM with male NPSM	
		female NPSM with male NPT	
		female NPSM with male NPTF	
SIPT	**S**traight **I**ron **P**ipe **T**hread	generic name for Straight Pipe Thread	washer
TIPT	**T**apered **I**ron **P**ipe **T**hread	generic name for Tapered Pipe Thread	thread
NYFD	**NYFD** Fire Department	straight thread used in New York City	washer
Chicago	**Chicago** Fire Department	straight thread used in Chicago	washer

LIBERTY EXHIBIT 1012, Page 942

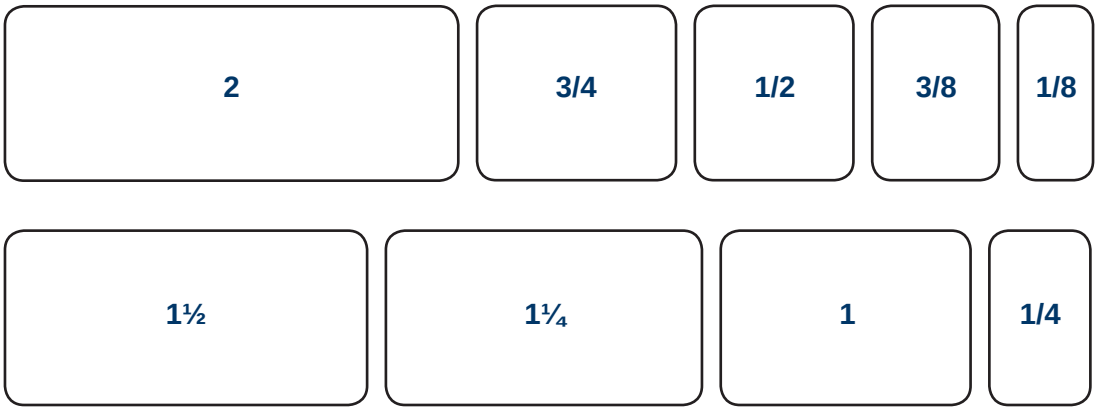
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Thread Chart for Hydraulic Fittings

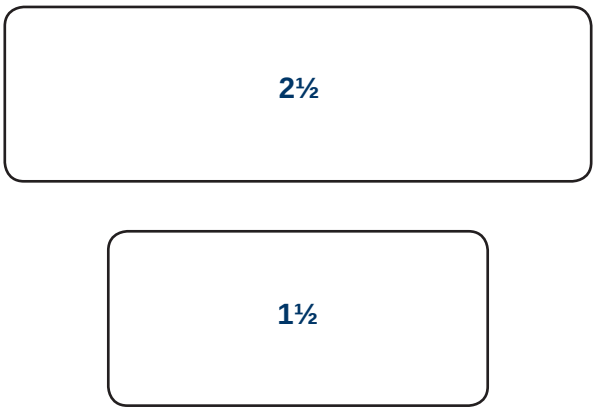
Dash Size	2	4	6	8	10	12	16	20	24	32	40	48
JIC 37 degree Flare Thread	5/16-24	7/16-20	9/16-18	3/4-16	7/8-14	1 1/16-12	1 5/16-12	1 5/8-12	1 7/8-12	2 1/2-12	---	---
SAE O-ring Thread	---	7/16-20	9/16-18	3/4-16	7/8-14	1 1/16-12	1 5/16-12	1 5/8-12	1 7/8-12	2 1/2-12	---	---
NPTF Pipe Thread	1/8-27	1/4-18	3/8-18	1/2-14	---	3/4-14	1-11 1/2	1 1/4-11 1/2	1 1/2-11 1/2	2-11 1/2	---	---
NPSM Swivel Thread	---	1/4-18	3/8-18	1/2-14	---	3/4-14	1-11 1/2	1 1/4-11 1/2	1 1/2-11 1/2	2-11 1/2	---	---
Flat Face Thread	---	9/16-18	11/16-16	13/16-16	1-14	1 3/16-12	1 7/16-12	---	---	---	---	---
Code 61 Flange Head OD	---	---	---	1.19	---	1.50	1.75	2.00	2.38	2.81	3.31	4.0
Code 62 Flange Head OD	---	---	---	1.25	---	1.62	1.88	2.12	2.50	3.12	---	---
British Thread BSPP/BSPT	---	1/4-19	3/8-19	1/2-14	_	3/4-14	1-11	---	---	---	---	---

Fittings Size Chart

Male NPT Thread Sizes



Male NST Thread Sizes



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Thread Dimensions

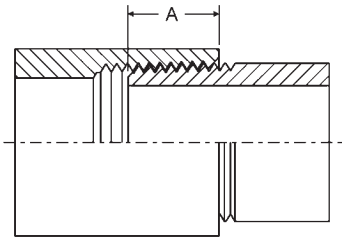
Nominal Dimensions of Standard Threads

- ODM = Outside Diameter of the male
- IDF = Inside Diameter of the female
- TPI = Threads Per Inch
- GHT (¾") -- 1.0625 ODM, 11-½ TPI
- Female NPT (Tapered Pipe) thread is not available on hose swivel nuts

Size	Pipe OD	Tapered Threads		Straight Threads											
		NPT	BSPTr	NPSH			NPSM			NST (NH)			BSPP		
		TPI	TPI	TPI	ODM *(max)*	IDF *(min)*	TPI	ODM *(max)*	IDF *(min)*	TPI	ODM *(max)*	IDF *(min)*	TPI	ODM *(max)*	IDF *(min)*
⅛"	.405	27.0	28				27.0	0.397	0.358					0.383	0.337
¼"	.540	18.0	19				18.0	0.526	0.468					0.516	0.450
⅜"	.675	18.0	19				18.0	0.662	0.603					0.656	0.588
½"	.840	14.0	14	14.0	0.8248	0.7395	14.0	0.823	0.747					0.825	0.733
¾"	1.050	14.0	14	14.0	1.0353	0.9500	14.0	1.034	0.958					1.041	0.950
1"	1.315	11.5	11	11.5	1.2951	1.1921	11.5	1.293	1.201	8.0	1.375	1.2246	11	1.309	1.193
1¼"	1.660	11.5	11	11.5	1.6399	1.5369	11.5	1.638	1.546				11	1.650	1.534
1½"	1.900	11.5	11	11.5	1.8788	1.7758	11.5	1.877	1.785	9.0	1.990	1.8577	11	1.882	1.766
2"	2.375	11.5	11	11.5	2.3528	2.2498	11.5	2.351	2.259				11	2.347	2.231
2½"	2.875	8.0	11	8.0	2.8434	2.6930	8.0	2.841	2.708	7.5	3.068	2.9104	11	2.960	2.844
3"	3.500	8.0	11				8.0	3.467	3.334	6.0	3.623	3.5306	11	3.460	3.344
4"	4.500	8.0	11				8.0	4.466	4.333	4.0	5.010	4.7111	11	4.450	4.334
4½"										4.0	5.760	5.4611			
5"	5.563	8.0	11				8.0	5.528	5.395	4.0	6.260	5.9602	11	5.450	5.359
6"	6.625	8.0	11				8.0	6.585	6.452	4.0	7.025	6.7252	11	6.450	6.359
8"	8.625	8.0													
10"	10.750	8.0													
12"	12.750	8.0													

Normal Engagement Length of NPT Thread in Inches (A)

- Dimensions given do not allow for variations in tapping or threading.



Thread Size	Dimension A
1/8"	1/4"
1/4"	3/8"
3/8"	3/8"
1/2"	1/2"
3/4"	9/16"
1"	11/16"
1-1/4"	11/16"
1-1/2"	11/16"
2"	3/4"
2-1/2"	15/16"
3"	1"
4"	1-1/8"
5"	1-1/4"
6"	1-5/16"
8"	1-7/16"
10"	1-5/8"
12"	1-3/4"

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Thread Sealing Tips

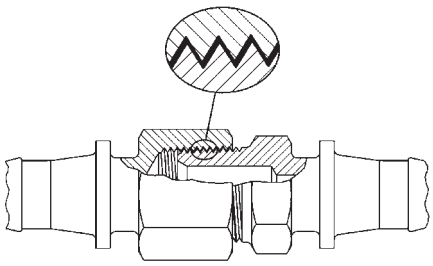
Sealing NPT threads can be an exasperating experience if certain techniques are not followed. The following tips will help alleviate many common problems in thread sealing:

1. Always use some type of sealant (tape or paste) and apply sealant to male thread only. If using a hydraulic sealant, allow sufficient curing time before system is pressurized.
2. When using tape sealant, wrap the threads in a clock-wise motion starting at the first thread and, as layers are applied, work towards the imperfect (vanishing) thread. If the system that the connection being made to cannot tolerate foreign matter (i.e. air systems), leave the first thread exposed and apply the tape sealant as outlined above.
3. When using paste sealant, apply to threads with a brush, using the brush to work the sealant into the threads. Apply enough sealant to fill in all the threads all the way around.
4. When connecting one stainless steel part to another stainless steel part that will require future disassembly, use a thread sealant that is designed for stainless steel (see page 787). This stainless steel thread sealant is also useful when connecting aluminum to aluminum that needs to be disconnected in the future. These two materials gall easily, and if the correct sealant is not used, it can be next to impossible to disassemble.
5. When connecting parts made of dissimilar metals (i.e. steel and aluminum), standard tape or paste sealant performs satisfactory.
6. For sizes 2" and below, tape or paste performs satisfactory. When using thread tape, four wraps (covering all necessary threads) is usually sufficient.
7. For sizes 2½" and above, thread paste is recommended. If thread tape is used, eight wraps (covering all necessary threads) is usually sufficient. Apply more wraps if necessary.
8. For stubborn to seal threads, apply a normal coating of thread paste followed by a normal layer of thread tape.
9. For extremely stubborn to seal threads, apply a normal coating of thread paste followed by a single layer of gauze bandage followed by a normal layer of thread tape.

Caution!

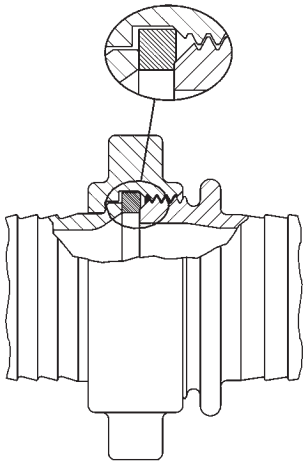
When this procedure is done, the connection becomes permanent. Extreme measures will be necessary to disconnect these components. *All other measures to seal the threads should be explored prior to use of this technique.*

10. Over-tightening threads can be just as detrimental as insufficient tightening. For sizes 2" and below, hand tighten the components and, with a wrench, tighten 3 full turns. For sizes 2½" and above, hand tighten the components and, with a wrench, tighten 2 full turns.



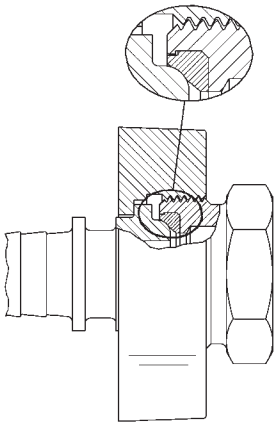
Thread Seal Type

- A seal is obtained by applying a sealant to the male thread before engaging.
- The sealant is used to prevent spiral leakage.
- Thread tape or paste is the preferred sealant in this type of application.
- Please refer to page 902 for thread tape options.



Washer Seal Type

- A seal is obtained when the male thread is tightened down onto the washer of the female assembly.
- The washer should be inspected regularly and replaced as needed to prevent leakage.
- Please refer to pages 72 and 40 for replacement washers.



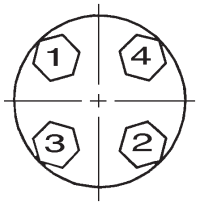
Mechanical Seal Type

- A seal is obtained through metal to metal contact or metal to seal contact, i.e. JIC couplings (page 511) have a metal to metal seal. Boss™ Ground Joint couplings (pages 67-69) have a metal to seal contact (shown above).
- The couplings should be retightened as needed to prevent leakage.

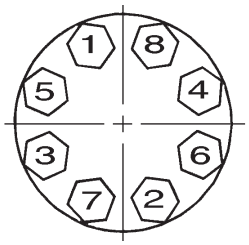
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Flange Bolt Tightening Sequence

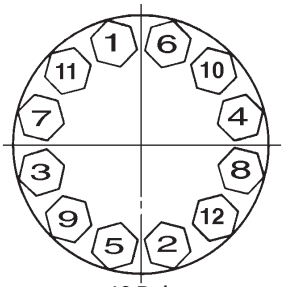
(Use appropriate gaskets and bolts)



4 Bolt



8 Bolt

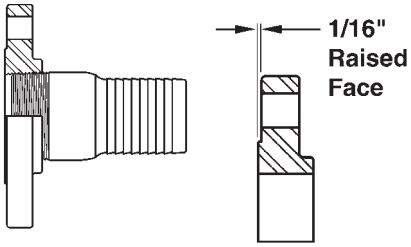


12 Bolt

See page 945 for drilling dimensions

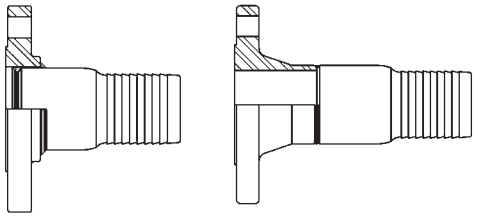
Flange Diagrams

Threaded Applications



Threaded Flange with raised face

Welded Applications

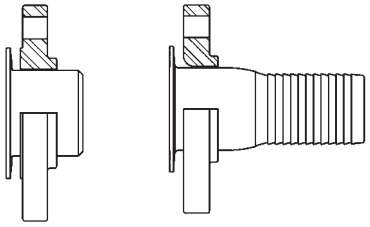


Slip-On Flange with raised face

Weld Neck Flange with raised face

Floating Applications

(flange free to swivel)



Slip-On Flange with raised face

Lap-Joint Flange

Dimensions of 150 LB. ASA Steel Flanges

Nominal Pipe Size	Flange OD	Thickness [1]	OD of Raised Face	Diameter of Bolt Circle	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolts
1"	4-1/4"	9/16"	2"	3-1/8"	4	5/8"	1/2"
1-1/4"	4.62"	5/8"	2-1/2"	3-1/2"	4	5/8"	1/2"
1-1/2"	5"	11/16"	2-7/8"	3-7/8"	4	5/8"	1/2"
2"	6"	3/4"	3-5/8"	4-3/4"	4	3/4"	5/8"
2-1/2"	7"	7/8"	4-1/8"	5-1/2"	4	3/4"	5/8"
3"	7-1/2"	15/16"	5"	6"	4	3/4"	5/8"
4"	9"	15/16"	6-3/16"	7-1/2"	8	3/4"	5/8"
5"	10"	15/16"	7-5/16"	8-1/2"	8	7/8"	3/4"
6"	11"	1"	8-1/2"	9-1/2"	8	7/8"	3/4"
8"	13-1/2"	1-1/8"	10-5/8"	11-3/4"	8	7/8"	3/4"
10"	16"	1-3/16"	12-3/4"	14-1/4"	12	1"	7/8"
12"	19"	1 1/4"	15"	17"	12	1"	7/8"

[1] 1/16" raised face is included in the thickness

Dimensions of Tank Truck Flanges (TTMA Drilling)

Nominal Pipe Size	Flange OD	Thickness [1]	Diameter of Bolt Circle	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolts
3"	5-5/8"	3/8"	4-7/8"	8	7/16"	3/8"
4"	6-5/8"	3/8"	5-7/8"	8	7/16"	3/8"
6"	8-7/8"	3/8"	8-1/8"	12	7/16"	3/8"

[1] listed thickness is for aluminum flanges

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ANSI Flange Dimensions

150 lb. Standard

Nominal Pipe Size	Outside Diameter Flange	Flange Thickness	Drill Template		
			Number Holes	Diameter Bolts	Bolt Circle
1/2"	3-1/2"	7/16"	4	1/2"	2-3/8"
3/4"	3-7/8"	1/2"	4	1/2"	2-3/4"
1"	4-1/4"	9/16"	4	1/2"	3-1/8"
1-1/4"	4-5/8"	5/8"	4	1/2"	3-1/2"
1-1/2"	5"	11/16"	4	1/2"	3-7/8"
2"	6"	3/4"	4	5/8"	4-3/4"
2-1/2"	7"	7/8"	4	5/8"	5-1/2"
3"	7-1/2"	15/16"	4	5/8"	6"
3-1/2"	8-1/2"	15/16"	8	5/8"	7"
4"	9"	15/16"	8	5/8"	7-1/2"
5"	10"	15/16"	8	3/4"	8-1/2"
6"	11"	1"	8	3/4"	9-1/2"
8"	13-1/2"	1-1/8"	8	3/4"	11-3/4"
10"	16"	1-3/16"	12	3/4"	14-1/4"
12"	19"	1-1/4"	12	3/4"	17"

300 lb. Standard

Nominal Pipe Size	Outside Diameter Flange	Flange Thickness	Drill Template		
			Number Holes	Diameter Bolts	Bolt Circle
1/2"	3-3/4"	9/16"	4	1/2"	2-5/8"
3/4"	4-5/8"	5/8"	4	5/8"	3-1/4"
1"	4-7/8"	11/16"	4	5/8"	3-1/2"
1-1/4"	5-1/4"	3/4"	4	5/8"	3-7/8"
1-1/2"	6-1/8"	13/16"	4	3/4"	4-1/2"
2"	6-1/2"	7/8"	8	5/8"	5"
2-1/2"	7-1/2"	1"	8	3/4"	5-7/8"
3"	8-1/4"	1-1/8"	8	3/4"	6-5/8"
3-1/2"	9"	1-3/16"	8	3/4"	7-1/4"
4"	10"	1-1/4"	8	3/4"	7-7/8"
5"	11"	1-3/8"	8	3/4"	9-1/4"
6"	12-1/2"	1-7/16"	12	3/4"	10-5/8"
8"	15"	1-5/8"	12	7/8"	13"
10"	17-1/2"	1-7/8"	16	1"	15-1/4"
12"	20-1/2"	2"	16	1-1/8"	17-3/4"

600 lb. Standard

Nominal Pipe Size	Outside Diameter Flange	Flange Thickness	Drill Template		
			Number Holes	Diameter Bolts	Bolt Circle
1/2"	3-3/4"	9/16"	4	5/8"	2-5/8"
3/4"	4-5/8"	5/8"	4	3/4"	3-1/4"
1"	4-7/8"	11/16"	4	3/4"	3-1/2"
1-1/4"	5-1/4"	13/16"	4	3/4"	3-7/8"
1-1/2"	6-1/8"	7/8"	4	7/8"	4-1/2"
2"	6-1/2"	1"	8	3/4"	5"
2-1/2"	7-1/2"	1-1/8"	8	7/8"	5-7/8"
3"	8-1/4"	1-1/4"	8	7/8"	6-5/8"
3-1/2"	9"	1-3/8"	8	1"	7-1/4"
4"	10-7/5"	1-1/2"	8	1"	8-1/2"
5"	13"	1-3/4"	8	1-1/8"	10-1/2"
6"	14"	1-7/8"	12	1-1/8"	11-1/2"
8"	16-1/2"	2-3/16"	12	1-1/4"	13-3/4"
10"	20"	2-1/2"	16	1-3/8"	17"
12"	22"	2-5/8"	20	1-3/8"	19-1/4"

900 lb. Standard

Nominal Pipe Size	Outside Diameter Flange	Flange Thickness	Drill Template		
			Number Holes	Diameter Bolts	Bolt Circle
1/2"	4-3/4"	7/8"	4	7/8"	3-1/4"
3/4"	5-1/8"	1"	4	7/8"	3-1/2"
1"	5-7/8"	1-1/8"	4	1"	4"
1-1/4"	6-1/4"	1-1/8"	4	1"	4-3/8"
1-1/2"	7"	1-1/4"	4	1-1/8"	4-7/8"
2"	8-1/2"	1-1/2"	8	1"	6-1/2"
2-1/2"	9-5/8"	1-5/8"	8	1-1/8"	7-1/2"
3"	9-1/2"	1-1/2"	8	1"	7-1/2"
3-1/2"	11-1/2"	1-3/4"	8	1-1/4"	9-1/4"
4"	13-3/4"	2"	8	1-3/8"	11"
6"	15"	2-3/16"	12	1-1/4"	12-1/2"
8"	18-1/2"	2-1/2"	12	1-1/2"	15-1/2"
10"	21-1/2"	2-3/4"	16	1-1/2"	18-1/2"
12"	24"	3-1/8"	20	1-1/2"	21"

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Dimensions of Seamless and Welded Steel Pipe
ASA-B36.10 and B36.19

Nominal Pipe Size	OD (inches)	Pipe Schedule Wall Thickness												
		10	20	30	Stand.	40	60	Extra Strong	80	100	120	140	160	XXX Strong
⅛"	0.405	0.049	---	---	0.068	0.068	---	0.095	0.095	---	---	---	---	---
¼"	0.540	0.065	---	---	0.088	0.088	---	0.119	0.119	---	---	---	---	---
⅜"	0.675	0.065	---	---	0.091	0.091	---	0.126	0.126	---	---	---	---	---
½"	0.840	0.083	---	---	0.109	0.109	---	0.147	0.147	---	---	---	0.188	0.294
¾"	1.050	0.083	---	---	0.113	0.113	---	0.154	0.154	---	---	---	0.219	0.308
1"	1.315	0.109	---	---	0.133	0.133	---	0.179	0.179	---	---	---	0.250	0.358
1¼"	1.660	0.109	---	---	0.140	0.140	---	0.191	0.191	---	---	---	0.250	0.382
1½"	1.900	0.109	---	---	0.145	0.145	---	0.200	0.200	---	---	---	0.281	0.400
2"	2.375	0.109	---	---	0.154	0.154	---	0.218	0.218	---	---	---	0.344	0.436
2½"	2.875	0.120	---	---	0.203	0.203	---	0.276	0.276	---	---	---	0.375	0.552
3"	3.500	0.120	---	---	0.216	0.216	---	0.300	0.300	---	---	---	0.438	0.600
3½"	4.000	0.120	---	---	0.226	0.226	---	0.318	0.318	---	---	---	---	---
4"	4.500	0.120	---	---	0.237	0.237	---	0.337	0.337	---	0.438	---	0.531	0.674
5"	5.563	0.134	---	---	0.258	0.258	---	0.375	0.375	---	0.500	---	0.625	0.750
6"	6.625	0.134	---	---	0.280	0.280	---	0.432	0.432	---	0.562	---	0.719	0.864
8"	8.625	0.148	0.250	0.277	0.322	0.322	0.406	0.500	0.500	0.594	0.719	0.812	0.906	0.873
10"	10.750	0.165	0.250	0.307	0.365	0.365	0.500	0.500	0.594	0.719	0.844	1.000	1.125	1.000
12"	12.750	0.180	0.250	0.330	0.375	0.406	0.562	0.500	0.688	0.844	1.000	1.125	1.312	1.000

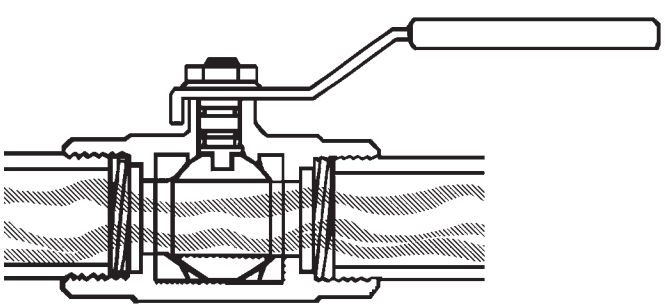
Definitive Cross-Reference from NPS to DN Specification Sizes

Nominal Pipe Size	DN	OD (inches)	Pipe Schedule Wall Thickness													
			5S	5	10S	10	20	30	40S	40	60	80S	80	100	120	160
⅛"	6	0.405	---	0.035	---	0.049	---	0.057	---	0.068	---	---	0.095	---	---	---
¼"	8	0.540	---	0.049	---	0.065	---	0.073	---	0.088	---	---	0.119	---	---	---
½"	15	0.840	---	0.065	---	0.083	---	0.095	---	0.109	---	---	0.147	---	0.170	0.188
¾"	20	1.050	---	0.065	---	0.083	---	0.095	---	0.113	---	---	0.154	---	0.170	0.219
1"	25	1.315	---	0.065	---	0.109	---	0.114	---	0.133	---	---	0.179	---	0.200	0.250
1¼"	32	1.660	---	0.065	---	0.109	---	0.117	---	0.140	---	---	0.191	---	0.215	0.250
1½"	40	1.900	---	0.065	---	0.109	---	0.125	---	0.145	---	---	0.200	---	0.225	0.281
2"	50	2.375	---	0.065	---	0.109	---	---	---	0.154	---	---	0.218	---	0.250	0.344
2½"	65	2.875	---	0.083	---	0.120	---	---	---	0.203	---	---	0.276	---	0.300	0.375
3"	80	3.500	---	0.083	---	0.120	---	---	---	0.216	---	---	0.330	---	0.350	0.438
4"	100	4.500	---	0.083	---	0.120	---	---	---	0.237	0.281	---	0.377	---	0.437	0.531
5"	125	5.563	---	0.109	---	0.134	---	---	---	0.258	---	---	0.375	---	0.500	0.625
6"	150	6.625	---	0.109	---	0.134	---	---	---	0.280	---	---	0.432	---	0.562	0.719
8"	200	8.625	---	0.109	---	0.148	0.250	0.277	---	0.322	0.406	---	0.500	0.593	0.718	0.906
10"	250	10.750	0.134	0.134	0.165	0.165	0.250	0.307	0.365	0.365	0.500	0.500	0.593	0.718	0.843	---
12"	300	12.750	0.156	0.165	0.180	0.180	0.250	0.330	0.375	0.406	0.500	0.500	0.687	0.843	1.000	---

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Valve Selection Guide

Ball Valve

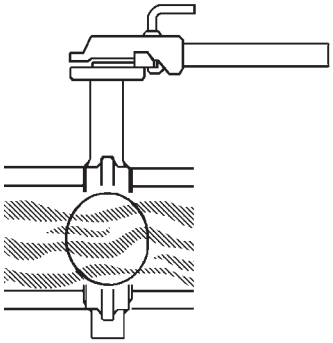




- can be used for on and off service or throttling
- when positive shut-off is necessary
- where a low valve profile is necessary
- only 90° rotation from open to fully closed (quick opening)
- Handle position is a quick indication of whether valve is open or closed.
- full port ball valves do not resist flow

Butterfly Valve

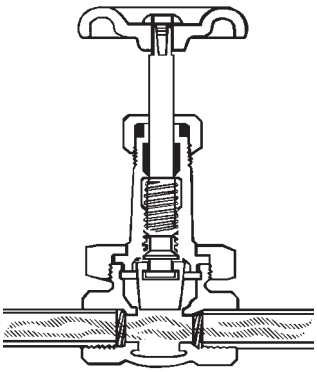




- where positive shut-off is necessary
- primarily for fully open or fully closed applications
- may be used for throttling
- only 90° rotation from open to fully closed
- lightweight
- easy to install
- less costly than an iron body gate valve

Gate Valve

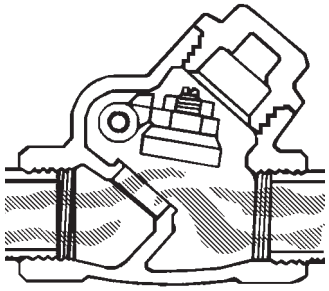




- for fully open or fully closed service - not for throttling
- for minimum line pressure drop
- for minimum fluid entrapment in the line
- for relatively infrequent operation

Check Valve

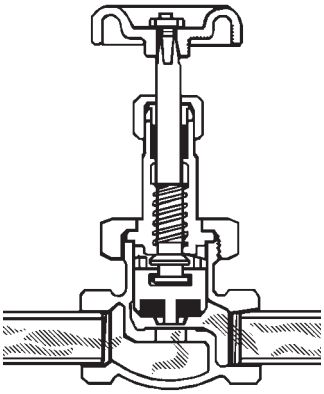




- To control the direction of flow and for quick, automatic reactions to flow change. Swing check valves are used when a minimum resistance to flow is required.
- Swing check valves are recommended for use in conjunction with gate valves. They should not be used in a rapid recycling system such as reciprocating pumps or air compressor service where they could cause chatter and damaging vibration.

Globe Valve





- for regulation (throttling) of flow
- for frequent operation; short stem travel reduces operator's time
- where some line resistance is acceptable

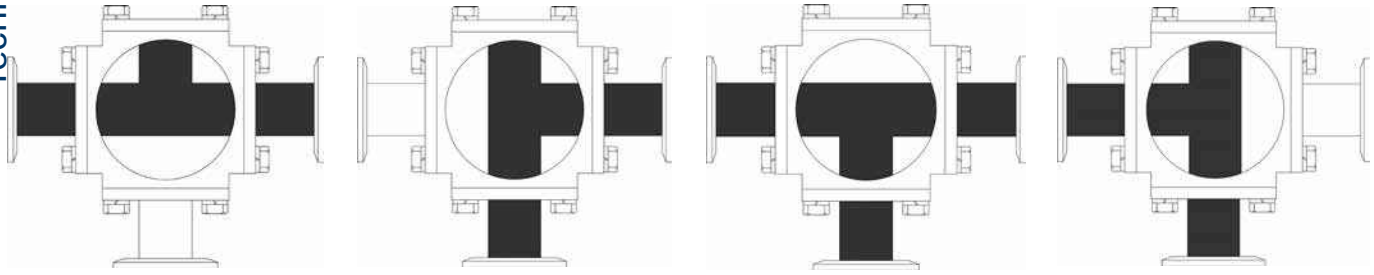
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3-Way Ball Valve Flow Options

'T' Pattern, Side Entry

Top view

position A **position B** **position C** **position D**

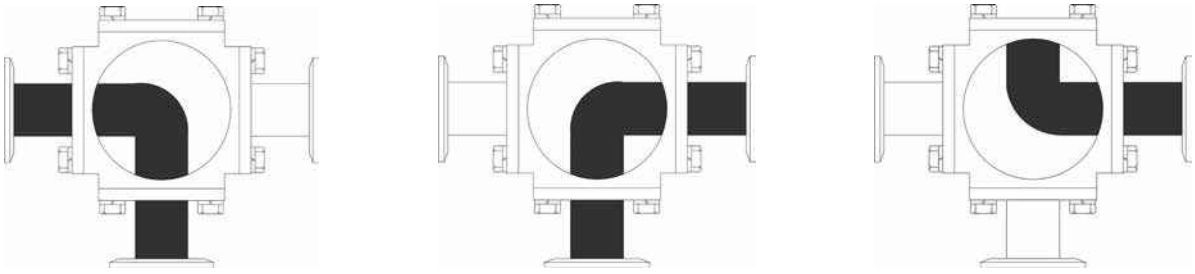


Number	Rotation	Flow Plan Options
1	90°	A, B
2	90°	B, C
3	90°	C, D
4	90°	A, D
5	180°	A, B, C
6	180°	B, C, D
7	180°	A, C, D
8	180°	A, B, D

'L' Pattern, Side Entry

Top view

position A **position B** **position C**



Number	Rotation	Flow Plan Options
1	90°	A, B
2	180°	A, B, C

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