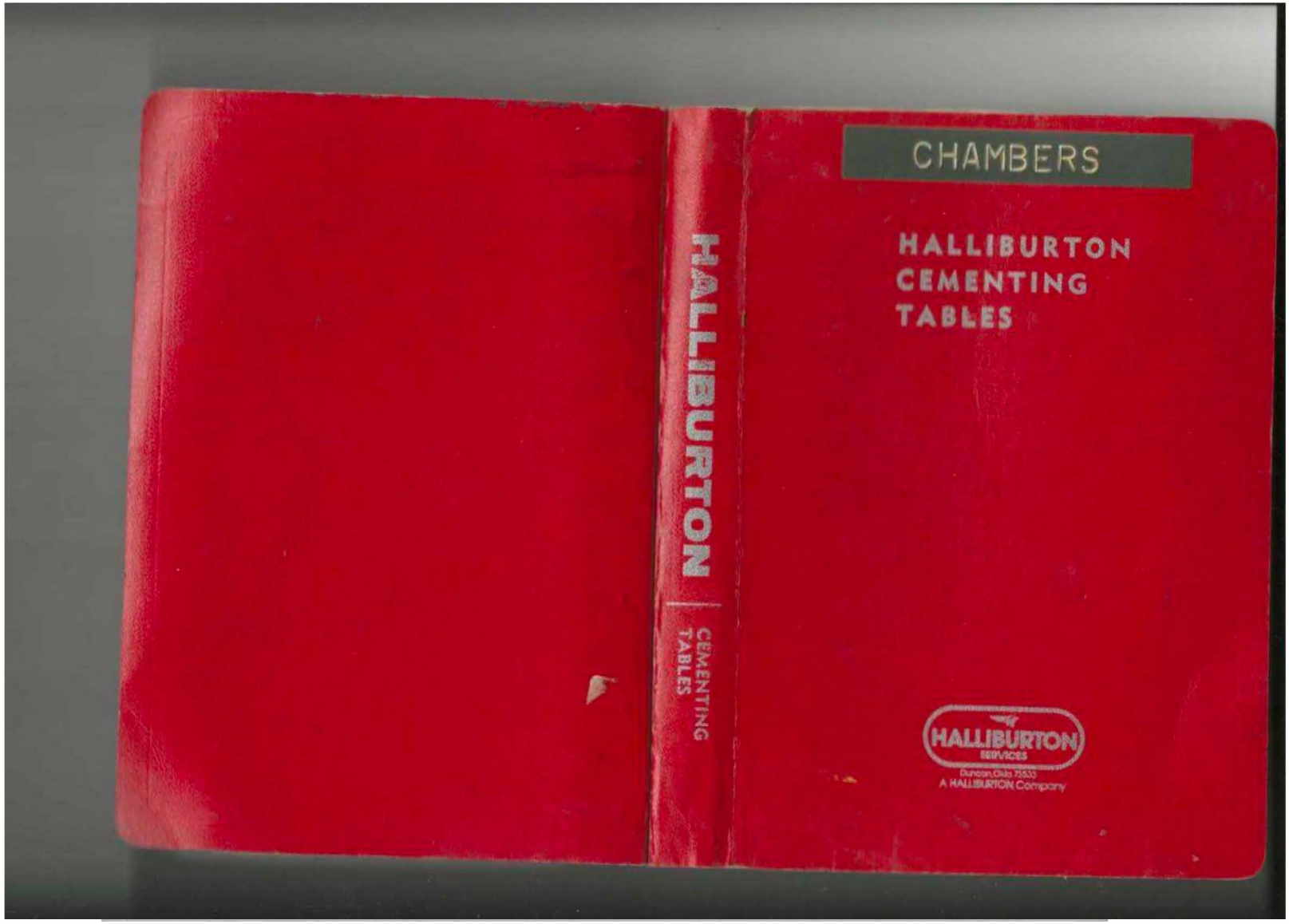
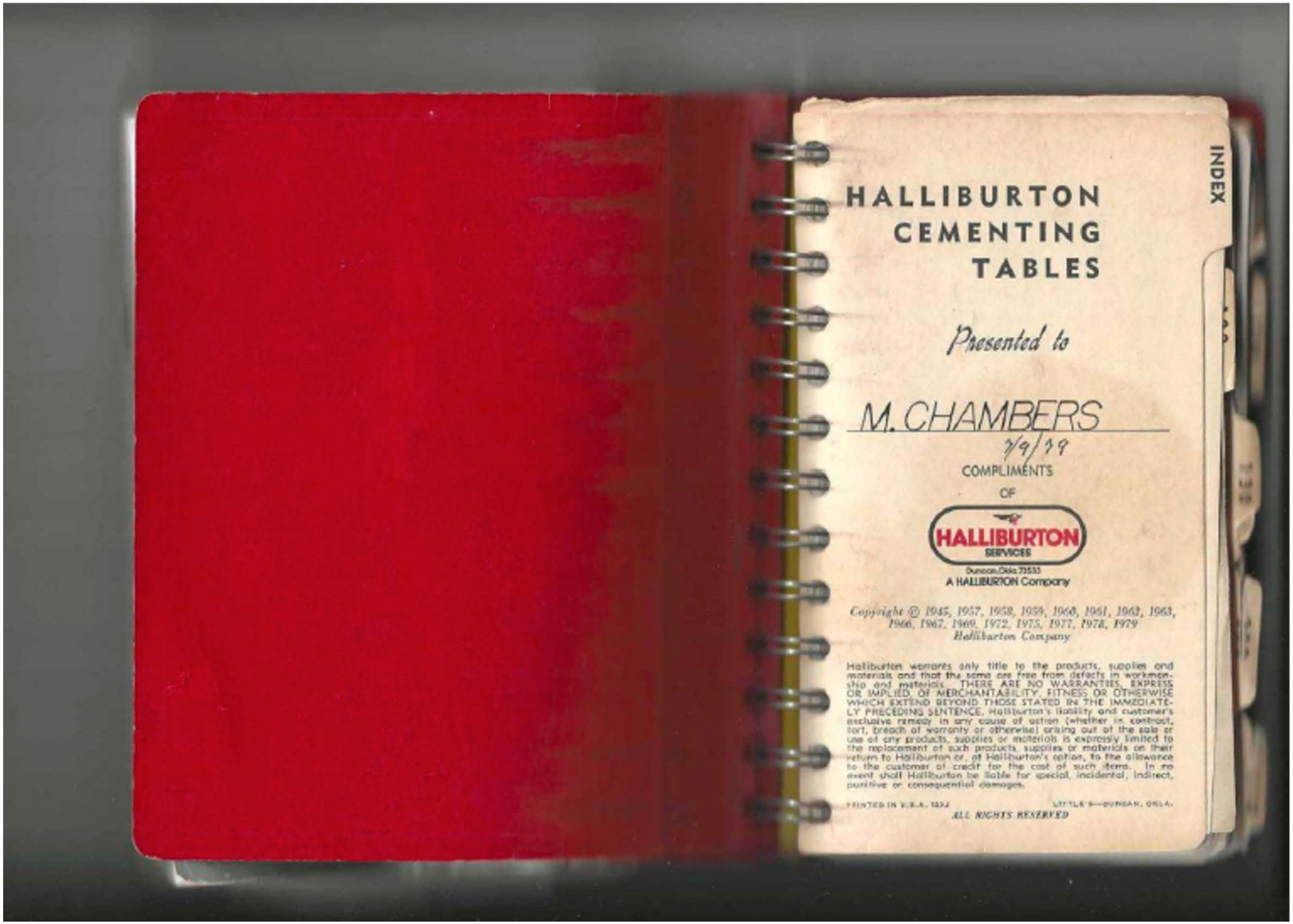
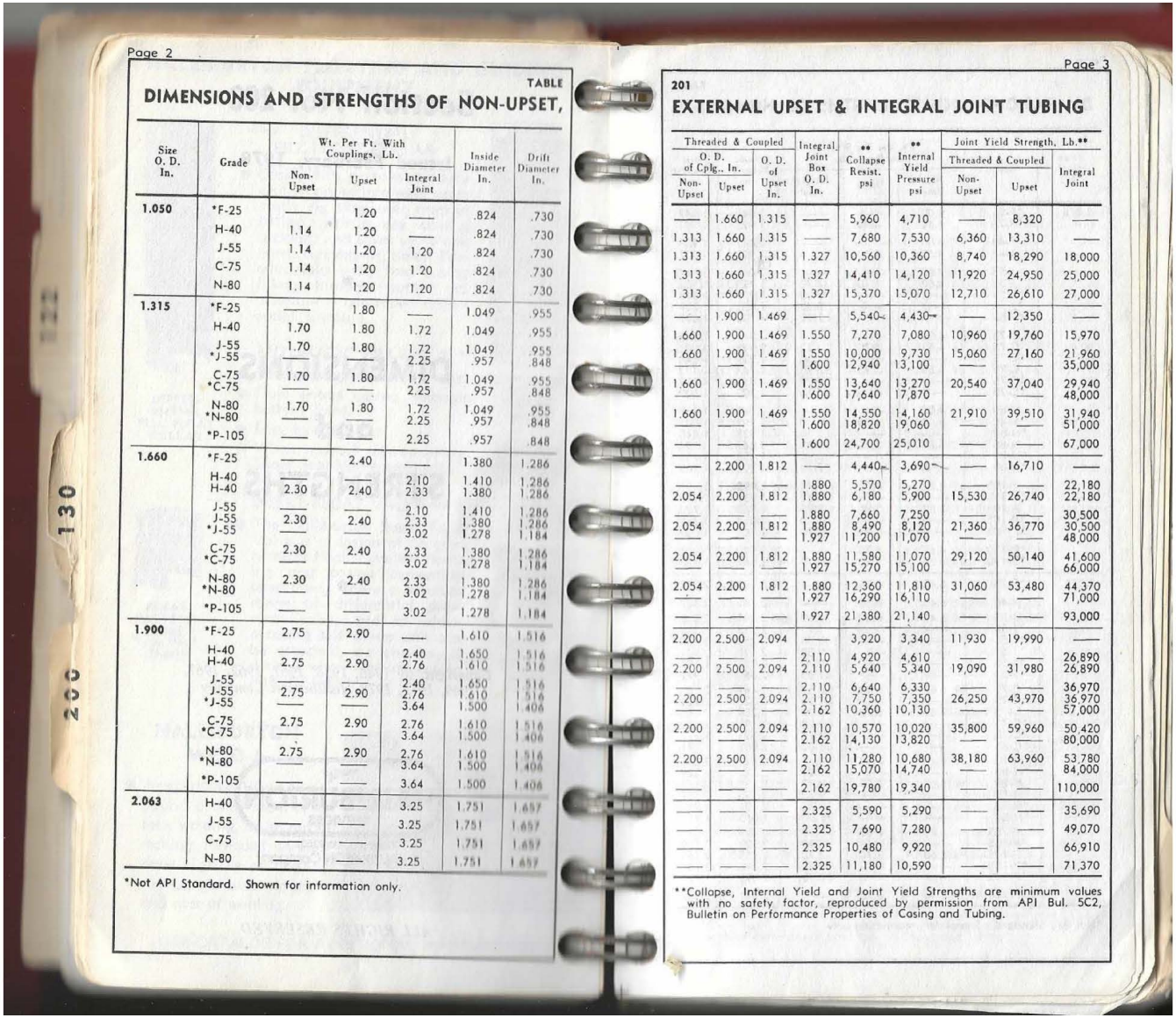

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HALLIBURTON
CEMENTING
TABLES
Presented to
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7/9/79
COMPLIMENTS
OF
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SERVICES
Duncan, Okla. 73533
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TABLE

DIMENSIONS AND STRENGTHS OF NON-UPSET,

Size O. D. In.	Grade	Wt. Per Ft. With Couplings, Lb.			Inside Diameter In.	Drift Diameter In.
		Non-Upset	Upset	Integral Joint		
1.050	*F-25	——	1.20	——	.824	.730
	H-40	1.14	1.20	——	.824	.730
	J-55	1.14	1.20	1.20	.824	.730
	C-75	1.14	1.20	1.20	.824	.730
	N-80	1.14	1.20	1.20	.824	.730
1.315	*F-25	——	1.80	——	1.049	.955
	H-40	1.70	1.80	1.72	1.049	.955
	J-55	1.70	1.80	1.72	1.049	.955
	*J-55	——	——	2.25	.957	.848
	C-75	1.70	1.80	1.72	1.049	.955
	*C-75	——	——	2.25	.957	.848
	N-80	1.70	1.80	1.72	1.049	.955
	*N-80	——	——	2.25	.957	.848
	*P-105	——	——	2.25	.957	.848
1.660	*F-25	——	2.40	——	1.380	1.286
	H-40	——	——	2.10	1.410	1.286
	H-40	2.30	2.40	2.33	1.380	1.286
	J-55	——	——	2.10	1.410	1.286
	J-55	2.30	2.40	2.33	1.380	1.286
	*J-55	——	——	3.02	1.278	1.184
	C-75	2.30	2.40	2.33	1.380	1.286
	*C-75	——	——	3.02	1.278	1.184
	N-80	2.30	2.40	2.33	1.380	1.286
	*N-80	——	——	3.02	1.278	1.184
	*P-105	——	——	3.02	1.278	1.184
1.900	*F-25	2.75	2.90	——	1.610	1.516
	H-40	——	——	2.40	1.650	1.516
	H-40	2.75	2.90	2.76	1.610	1.516
	J-55	——	——	2.40	1.650	1.516
	J-55	2.75	2.90	2.76	1.610	1.516
	*J-55	——	——	3.64	1.500	1.406
	C-75	2.75	2.90	2.76	1.610	1.516
	*C-75	——	——	3.64	1.500	1.406
	N-80	2.75	2.90	2.76	1.610	1.516
	*N-80	——	——	3.64	1.500	1.406
	*P-105	——	——	3.64	1.500	1.406
2.063	H-40	——	——	3.25	1.751	1.657
	J-55	——	——	3.25	1.751	1.657
	C-75	——	——	3.25	1.751	1.657
	N-80	——	——	3.25	1.751	1.657

*Not API Standard. Shown for information only.

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EXTERNAL UPSET & INTEGRAL JOINT TUBING

Threaded & Coupled O. D. of Cplg., In.		O. D. of Upset In.	Integral Joint Box O. D. In.	** Collapse Resist. psi	** Internal Yield Pressure psi	Joint Yield Strength, Lb.** Threaded & Coupled		Integral Joint
Non-Upset	Upset					Non-Upset	Upset	
——	1.660	1.315	——	5,960	4,710	——	8,320	——
1.313	1.660	1.315	——	7,680	7,530	6,360	13,310	——
1.313	1.660	1.315	1.327	10,560	10,360	8,740	18,290	18,000
1.313	1.660	1.315	1.327	14,410	14,120	11,920	24,950	25,000
1.313	1.660	1.315	1.327	15,370	15,070	12,710	26,610	27,000
——	1.900	1.469	——	5,540	4,430	——	12,350	——
1.660	1.900	1.469	1.550	7,270	7,080	10,960	19,760	15,970
1.660	1.900	1.469	1.550	10,000	9,730	15,060	27,160	21,960
——	——	——	1.600	12,940	13,100	——	——	35,000
1.660	1.900	1.469	1.550	13,640	13,270	20,540	37,040	29,940
——	——	——	1.600	17,640	17,870	——	——	48,000
1.660	1.900	1.469	1.550	14,550	14,160	21,910	39,510	31,940
——	——	——	1.600	18,820	19,060	——	——	51,000
——	——	——	1.600	24,700	25,010	——	——	67,000
——	2.200	1.812	——	4,440	3,690	——	16,710	——
——	——	——	1.880	5,570	5,270	——	——	22,180
2.054	2.200	1.812	1.880	6,180	5,900	15,530	26,740	22,180
——	——	——	1.880	7,660	7,250	——	——	30,500
2.054	2.200	1.812	1.880	8,490	8,120	21,360	36,770	30,500
——	——	——	1.927	11,200	11,070	——	——	48,000
2.054	2.200	1.812	1.880	11,580	11,070	29,120	50,140	41,600
——	——	——	1.927	15,270	15,100	——	——	66,000
2.054	2.200	1.812	1.880	12,360	11,810	31,060	53,480	44,370
——	——	——	1.927	16,290	16,110	——	——	71,000
——	——	——	1.927	21,380	21,140	——	——	93,000
2.200	2.500	2.094	——	3,920	3,340	11,930	19,990	——
——	——	——	2.110	4,920	4,610	——	——	26,890
2.200	2.500	2.094	2.110	5,640	5,340	19,090	31,980	26,890
——	——	——	2.110	6,640	6,330	——	——	36,970
2.200	2.500	2.094	2.110	7,750	7,350	26,250	43,970	36,970
——	——	——	2.162	10,360	10,130	——	——	57,000
2.200	2.500	2.094	2.110	10,570	10,020	35,800	59,960	50,420
——	——	——	2.162	14,130	13,820	——	——	80,000
2.200	2.500	2.094	2.110	11,280	10,680	38,180	63,960	53,780
——	——	——	2.162	15,070	14,740	——	——	84,000
——	——	——	2.162	19,780	19,340	——	——	110,000
——	——	——	2.325	5,590	5,290	——	——	35,690
——	——	——	2.325	7,690	7,280	——	——	49,070
——	——	——	2.325	10,480	9,920	——	——	66,910
——	——	——	2.325	11,180	10,590	——	——	71,370

**Collapse, Internal Yield and Joint Yield Strengths are minimum values with no safety factor, reproduced by permission from API Bul. 5C2, Bulletin on Performance Properties of Casing and Tubing.

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TABLE DIMENSIONS AND

Size O.D. In.	Grade	Wt. Per Ft. With Cplg., Lb.	Inside Dia. In.	Thread & Cplg. Drift Dia. In.	Thread & Cplg. O.D. of Cplg. In.	Extreme Line Drift Dia. In.	Extreme Line O.D. of Box In.	** Col'pse Resistance PSI
4½	*F-25	9.50	4.090	3.965	5.000	——	——	1,920
	H-40	9.50	4.090	3.965	5.000	——	——	2,770
	J-55	9.50	4.090	3.965	5.000	——	——	3,310
	J-55	10.50	4.052	3.927	5.000	——	——	4,010
	J-55	11.60	4.000	3.875	5.000	——	——	4,960
	K-55	9.50	4.090	3.965	5.000	——	——	3,310
	K-55	10.50	4.052	3.927	5.000	——	——	4,010
	K-55	11.60	4.000	3.875	5.000	——	——	4,960
	C-75	11.60	4.000	3.875	5.000	——	——	6,130
	C-75	13.50	3.920	3.795	5.000	——	——	8,170
	N-80	11.60	4.000	3.875	5.000	——	——	6,350
	N-80	13.50	3.920	3.795	5.000	——	——	8,540
	C-95	11.60	4.000	3.875	5.000	——	——	7,010
	C-95	13.50	3.920	3.795	5.000	——	——	9,650
	P-110	11.60	4.000	3.875	5.000	——	——	7,560
	P-110	13.50	3.920	3.795	5.000	——	——	10,670
	P-110	15.10	3.826	3.701	5.000	——	——	14,320
	*V-150	15.10	3.826	3.701	5.000	——	——	18,110
5	*F-25	11.50	4.560	4.435	5.563	——	——	1,820
	J-55	11.50	4.560	4.435	5.563	——	——	3,060
	J-55	13.00	4.494	4.369	5.563	——	——	4,140
	J-55	15.00	4.408	4.283	5.563	4.151	5.360	5,550
	K-55	11.50	4.560	4.435	5.563	——	——	3,060
	K-55	13.00	4.494	4.369	5.563	——	——	4,140
	K-55	15.00	4.408	4.283	5.563	4.151	5.360	5,550
	C-75	15.00	4.408	4.283	5.563	4.151	5.360	6,970
	C-75	18.00	4.276	4.151	5.563	4.151	5.360	10,000
	*C-75	20.30	4.184	——	——	4.059	5.094‡	11,240
	*C-75	23.20	4.044	——	——	3.919	5.094‡	12,970
	N-80	15.00	4.408	4.283	5.563	4.151	5.360	7,250
	N-80	18.00	4.276	4.151	5.563	4.151	5.360	10,490
	*N-80	20.30	4.184	——	——	4.059	5.250†	11,990
	*N-80	23.20	4.044	——	——	3.919	5.094‡	13,830
	C-95	15.00	4.408	4.283	5.563	4.151	5.360	8,090
	C-95	18.00	4.276	4.151	5.563	4.151	5.360	12,010
	*C-95	20.30	4.184	——	——	4.059	5.250†	14,250
	*C-95	23.20	4.044	——	——	3.919	5.094‡	16,430
	P-110	15.00	4.408	4.283	5.563	4.151	5.360	8,830
	P-110	18.00	4.276	4.151	5.563	4.151	5.360	13,100
	*P-110	20.30	4.184	——	——	4.059	5.094‡	15,550
	*P-110	23.20	4.044	——	——	3.919	5.094‡	17,930
	*V-150	15.00	4.408	4.283	5.563	——	——	10,260
	*V-150	18.00	4.276	4.151	5.563	——	——	14,660
	*V-150	20.80	4.156	4.031	5.563	——	——	16,860
	*V-150	24.20	4.000	3.875	5.563	——	——	19,360

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STRENGTHS OF CASING

Internal Yield Pressure PSI** Plain End or Ext. Line	Round Thread Short	Round Thread Long	Buttress Thd.	** Body Yield Stgth. 1,000 Lbs.	Joint Strength - 1000 Lbs.** Thread & Cplg. Joint Round Thread Short	Round Thread Long	Buttress Thd.	Ext. Line Joint
——	1,990	——	——	69	71	—	—	—
3,190	3,190	——	——	111	77	—	—	—
4,380	4,380	——	——	152	101	—	—	—
4,790	4,790	——	4,790	165	132	—	203	—
5,350	5,350	5,350	5,350	184	154	162	225	—
4,380	4,380	——	——	152	112	—	—	—
4,790	4,790	——	4,790	165	146	—	249	—
5,350	5,350	5,350	5,350	184	170	180	277	—
7,290	——	7,290	7,290	250	—	212	288	—
8,460	——	8,460	8,460	288	—	257	331	—
7,780	——	7,780	7,780	267	—	223	304	—
9,020	——	9,020	9,020	307	—	270	349	—
9,240	——	9,240	9,240	317	—	234	325	—
10,710	——	10,710	10,710	364	—	284	374	—
10,690	——	10,690	10,690	367	—	279	385	—
12,410	——	12,410	12,410	422	—	338	443	—
14,420	——	14,420	13,460	485	—	406	509	—
——	——	19,660	18,360	661	—	519	683	—
——	1,930	——	——	83	84	—	—	—
4,240	4,240	——	——	182	133	—	—	—
4,870	4,870	4,870	4,870	208	169	182	252	—
5,700	5,700	5,700	5,700	241	207	223	293	328
4,240	4,240	——	——	182	147	—	—	—
4,870	4,870	4,870	4,870	208	186	201	309	—
5,700	5,700	5,700	5,700	241	228	246	359	416
7,770	——	7,770	7,770	328	—	295	375	416
9,500	——	9,500	9,290	396	—	376	452	446
10,710	——	——	——	—	369†	—	—	529‡‡
12,550	——	——	——	—	369†	—	—	529‡‡
8,290	——	8,290	8,290	350	—	311	396	437
10,140	——	10,140	9,910	422	—	396	477	469
11,420	——	——	——	—	388†	284††	363‡	556‡‡
13,380	——	——	——	—	388†	284††	363‡	556‡‡
9,840	——	9,840	9,840	416	—	326	424	459
12,040	——	12,040	11,770	501	—	416	512	493
13,560	——	——	——	—	—	—	—	584‡‡
15,890	——	——	——	—	—	—	—	584‡‡
11,400	——	11,400	11,400	481	—	388	503	547
13,940	——	13,940	13,620	580	—	495	606	587
15,710	——	——	——	—	485†	354††	454‡	696‡‡
18,400	——	——	——	—	485†	354††	454‡	696‡‡
——	——	15,540	15,540	656	—	497	685	—
——	——	19,000	18,580	791	—	634	826	—
——	——	20,280	18,580	910	—	755	847	—
——	——	20,280	18,580	1,060	—	905	847	—

†Hydril TS
††Hydril FJ-P
‡Hydril Super FJ-P
‡‡Hydril Super EU.

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TABLE

DIMENSIONS AND

Size O.D. In.	Grade	Wt. Per Ft. With Cplg., Lb.	Inside Dia. In.	Thread & Cplg.		Extreme Line		** Col'pse Resistance PSI
				Drift Dia. In.	O.D. of Cplg. In.	Drift Dia. In.	O.D. of Box In.	
5½	*F-25	13.00	5.044	4.919	6.050	——	——	1,660
	H-40	14.00	5.012	4.887	6.050	——	——	2,630
	J-55	14.00	5.012	4.887	6.050	——	——	3,120
	J-55	15.50	4.950	4.825	6.050	4.653	5.860	4,040
	J-55	17.00	4.892	4.767	6.050	4.653	5.860	4,910
	K-55	14.00	5.012	4.887	6.050	——	——	3,120
	K-55	15.50	4.950	4.825	6.050	4.653	5.860	4,040
	K-55	17.00	4.892	4.767	6.050	4.653	5.860	4,910
	C-75	17.00	4.892	4.767	6.050	4.653	5.860	6,070
	C-75	20.00	4.778	4.653	6.050	4.653	5.860	8,440
	C-75	23.00	4.670	4.545	6.050	4.545	5.860	10,460
	*C-75	26.00	4.548	——	——	4.423	5.656‡	11,860
	N-80	17.00	4.892	4.767	6.050	4.653	5.860	6,280
	N-80	20.00	4.778	4.653	6.050	4.653	5.860	8,830
	N-80	23.00	4.670	4.545	6.050	4.545	5.860	11,160
	*N-80	26.00	4.548	——	——	4.423	5.656‡	12,650
	C-95	17.00	4.892	4.767	6.050	4.653	5.860	6,930
	C-95	20.00	4.778	4.653	6.050	4.653	5.860	10,000
	C-95	23.00	4.670	4.545	6.050	4.545	5.860	12,920
	*C-95	26.00	4.548	——	——	4.423	5.656‡	15,020
	P-110	17.00	4.892	4.767	6.050	4.653	5.860	7,460
	P-110	20.00	4.778	4.653	6.050	4.653	5.860	11,080
	P-110	23.00	4.670	4.545	6.050	4.545	5.860	14,520
	*P-110	26.00	4.548	——	——	4.423	5.656‡	17,390
	*V-150	20.00	4.778	4.653	6.050	——	——	13,480
	*V-150	23.00	4.670	4.545	6.050	——	——	18,390
	*V-150	26.00	4.548	4.423	6.050	——	——	23,720

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STRENGTHS OF CASING

Internal Yield Pressure PSI**				** Body Yield Stgth. 1,000 Lbs.	Joint Strength - 1000 Lbs.**			
Plain End or Ext. Line	Round Thread		But-tress Thd.		Thread & Cplg. Joint			Ext. Line Joint
	Short	Long			Round Thread		But-tress Thd.	
					Short	Long		
——	1,810	——	——	94	95	—	—	—
3,110	3,110	——	——	161	130	—	—	—
4,270	4,270	——	——	222	172	—	—	—
4,810	4,810	4,810	4,810	248	202	217	300	339
5,320	5,320	5,320	5,320	273	229	247	329	372
4,270	4,270	——	——	222	189	—	—	—
4,810	4,810	4,810	4,810	248	222	239	366	429
5,320	5,320	5,320	5,320	273	252	272	402	471
7,250	——	7,250	7,250	372	—	327	423	471
8,610	——	8,610	8,430	437	—	403	497	497
9,900	——	9,260	8,430	497	—	473	550	549
11,360	——	——	——	—	432†	—	—	678‡‡
7,740	——	7,740	7,740	397	—	348	446	496
9,190	——	9,190	8,990	466	—	428	524	523
10,560	——	9,880	8,990	530	—	502	579	577
12,120	——	——	——	—	455†	315††	451‡	713‡‡
9,190	——	9,190	9,190	471	—	374	480	521
10,910	——	10,910	10,680	554	—	460	563	549
12,540	——	11,730	10,680	630	—	540	608	606
14,390	——	——	——	—	—	—	—	749‡‡
10,640	——	10,640	10,640	546	—	445	568	620
12,640	——	12,640	12,360	641	—	548	667	654
14,520	——	13,580	12,360	729	—	643	724	722
16,660	——	——	——	—	569†	393††	564‡	892‡‡
——	——	17,230	16,860	874	—	701	908	—
——	——	18,520	16,860	994	—	823	910	—
——	——	22,720	——	—	—	—	—	722‡

†Hydril TS
††Hydril FJ-P
‡Hydril Super FJ-P
‡‡Hydril Super EU.

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TABLE

DIMENSIONS AND

Size O.D. In.	Grade	Wt. Per Ft. With Cplg., Lb.	Inside Dia. In.	Thread & Cplg. Drift Dia. In.	Thread & Cplg. O.D. of Cplg. In.	Extreme Line Drift Dia. In.	Extreme Line O.D. of Box In.	** Col'pse Resistance PSI
7 5/8	*F-25	20.00	7.125	7.000	8.500	——	——	1,100
	H-40	24.00	7.025	6.900	8.500	——	——	2,040
	J-55	26.40	6.969	6.844	8.500	6.750	8.010	2,890
	K-55	26.40	6.969	6.844	8.500	6.750	8.010	2,890
	C-75	26.40	6.969	6.844	8.500	6.750	8.010	3,280
	C-75	29.70	6.875	6.750	8.500	6.750	8.010	4,670
	C-75	33.70	6.765	6.640	8.500	6.640	8.010	6,120
	C-75	39.00	6.625	6.500	8.500	6.500	8.010	8,430
	N-80	26.40	6.969	6.844	8.500	6.750	8.010	3,400
	N-80	29.70	6.875	6.750	8.500	6.750	8.010	4,790
	N-80	33.70	6.765	6.640	8.500	6.640	8.010	6,560
	N-80	39.00	6.625	6.500	8.500	6.500	8.010	8,810
	C-95	26.40	6.969	6.844	8.500	6.750	8.010	3,710
	C-95	29.70	6.875	6.750	8.500	6.750	8.010	5,120
	C-95	33.70	6.765	6.640	8.500	6.640	8.010	7,260
	C-95	39.00	6.625	6.500	8.500	6.500	8.010	9,980
	P-110	29.70	6.875	6.750	8.500	6.750	8.010	5,340
	P-110	33.70	6.765	6.640	8.500	6.640	8.010	7,850
	P-110	39.00	6.625	6.500	8.500	6.500	8.010	11,060
	*V-150	33.70	6.765	6.640	8.500	——	——	8,860
	*V-150	39.00	6.625	6.500	8.500	——	——	13,450
	*V-150	45.30	6.435	6.310	8.500	——	——	19,680
8 5/8	*F-25	24.00	8.097	7.972	9.625	——	——	950
	H-40	28.00	8.017	7.892	9.625	——	——	1,640
	H-40	32.00	7.921	7.796	9.625	——	——	2,210
	J-55	24.00	8.097	7.972	9.625	——	——	1,370
	J-55	32.00	7.921	7.796	9.625	7.700	9.120	2,530
	J-55	36.00	7.825	7.700	9.625	7.700	9.120	3,450
	K-55	24.00	8.097	7.972	9.625	——	——	1,370
	K-55	32.00	7.921	7.796	9.625	7.700	9.120	2,530
	K-55	36.00	7.825	7.700	9.625	7.700	9.120	3,450
	C-75	36.00	7.825	7.700	9.625	7.700	9.120	4,020
	C-75	40.00	7.725	7.600	9.625	7.600	9.120	5,350
	C-75	44.00	7.625	7.500	9.625	7.500	9.120	6,680
	C-75	49.00	7.511	7.386	9.625	7.386	9.120	8,200
	N-80	36.00	7.825	7.700	9.625	7.700	9.120	4,100
	N-80	40.00	7.725	7.600	9.625	7.600	9.120	5,520
	N-80	44.00	7.625	7.500	9.625	7.500	9.120	6,950
	N-80	49.00	7.511	7.386	9.625	7.386	9.120	8,570
	C-95	36.00	7.825	7.700	9.625	7.700	9.120	4,360
	C-95	40.00	7.725	7.600	9.625	7.600	9.120	6,010
	C-95	44.00	7.625	7.500	9.625	7.500	9.120	7,730
	C-95	49.00	7.511	7.386	9.625	7.386	9.120	9,690
	P-110	40.00	7.725	7.600	9.625	7.600	9.120	6,380
	P-110	44.00	7.625	7.500	9.625	7.500	9.120	8,4
	P-110	49.00	7.511	7.386	9.625	7.386	9.120	10,
	*V-150	44.00	7.625	7.500	9.625	——	——	9
	*V-150	49.00	7.511	7.386	9.625	——	——	12,

*Not API Standard. Shown for information only.

NO. 203

STRENGTHS OF CASING

Internal Yield Pressure PSI** Plain End or Ext. Line	Round Thread Short	Round Thread Long	Buttress Thd.	** Body Yield Stgth. 1,000 Lbs.	Joint Strength - 1000 Lbs.** Thread & Cplg. Joint Round Thread Short	Round Thread Long	Buttress Thd.	Ext. Line Joint
——	1,280	——	——	206	185	—	—	—
2,270	2,270	——	——	365	254	—	—	—
2,560	2,560	——	——	410	294	—	—	—
3,520	3,520	3,520	3,520	564	394	453	639	—
3,950	3,950	3,950	3,950	630	452	520	714	770
3,520	3,520	3,520	3,520	564	423	489	755	—
3,950	3,950	3,950	3,950	630	486	561	843	975
5,390	——	5,390	5,390	859	—	694	926	975
5,930	——	5,930	5,930	942	—	776	1,016	975
6,440	——	6,440	6,440	1,018	—	852	1,098	1,032
7,430	——	7,430	7,430	1,166	—	999	1,257	1,173
5,750	——	5,750	5,750	916	—	737	979	1,027
6,330	——	6,330	6,330	1,005	—	825	1,074	1,027
6,870	——	6,870	6,870	1,086	—	905	1,161	1,086
7,930	——	7,930	7,930	1,244	—	1,062	1,329	1,235
6,820	——	6,820	6,820	1,088	—	847	1,074	1,078
7,510	——	7,510	7,510	1,193	—	948	1,178	1,078
8,150	——	8,150	8,150	1,289	—	1,040	1,273	1,141
9,410	——	9,410	9,410	1,477	—	1,220	1,458	1,297
8,700	——	8,700	8,700	1,381	—	1,106	1,388	1,283
9,440	——	9,440	9,440	1,493	—	1,213	1,500	1,358
10,900	——	10,900	10,900	1,710	—	1,422	1,718	1,544
——	——	14,860	14,860	2,332	—	1,909	2,321	—
——	——	16,230	16,230	2,532	—	2,098	2,519	—
——	——	17,050	16,560	2,651	—	2,211	2,638	—
——	——	18,060	16,560	3,136	—	2,672	2,692	—
——	1,140	——	——	229	196	—	—	—
1,820	1,820	——	——	367	205	—	—	—
2,280	2,280	——	——	457	314	—	—	—
3,130	3,130	——	3,130	629	420	—	700	—
3,580	3,580	——	3,580	715	493	—	796	975
4,030	4,030	——	4,030	801	565	—	891	1,092
3,130	3,130	——	3,130	629	450	—	819	—
3,580	3,580	——	3,580	715	528	—	931	1,236
4,030	4,030	——	4,030	801	606	—	1,043	1,383
5,490	5,490	——	5,490	1,092	756	—	1,160	1,383
6,040	6,040	——	6,040	1,196	843	—	1,271	1,515
5,860	5,860	——	5,860	1,165	804	—	1,228	1,456
6,450	6,450	——	6,450	1,276	895	—	1,345	1,595
6,960	6,960	——	6,960	1,383	927	—	1,354	1,529
7,660	7,660	——	7,660	1,515	1,032	—	1,483	1,675
8,060	8,060	——	8,060	1,602	1,080	—	1,594	1,820
8,860	8,860	——	8,860	1,754	1,203	—	1,745	1,993
9,760	9,760	——	9,760	1,922	1,338	—	1,912	2,000
10,650	10,650	——	10,650	2,088	1,472	—	2,077	—
——	11,240	——	10,980	2,269	1,618	—	2,418	—
——	14,530	——	14,530	2,847	1,978	—	2,799	—
——	15,330	——	14,970	3,094	2,174	—	2,957	—

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