



Enter sea



Entering Casings
(Housings)

Entering Electric Motor
Windings

Entering Filters

+ Entering Fluid Drivers

+ Entering Gears and Splines

Entering Metal and Rubber
Compressor Diaphragms

+ Entering Pistons and
Cylinders

- Entering Poppets and
Sliding Action Valves

Particle Quantities

Friction Coefficients

+ Entering Seals

Entering Sensors and
Transducers

+ Entering Shafts

Entering Solenoids

+ Entering Springs

Entering Stator Housings

+ Entering Threaded
Fasteners

General Software Model

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Windchill Risk and Reliability Desktop Help > Windchill Prediction
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Friction Coefficients

The table below provides commonly used values for friction coefficients for various materials.

Materials	Dry	Lubricated
Steel on steel	0.8	0.5
Aluminum on steel	0.6	0.5
Copper on steel	0.5	0.4
Brass on steel	0.5	0.4
Cast iron on steel	0.4	-
Brass on nylon	0.3	-
Steel on nylon	0.3	-
Teflon on nylon	0.05	0.04
Hard carbon on carbon	0.2	0.1
Copper on copper	1.3	0.8
Aluminum on aluminum	1.1	-
Nickel on nickel	0.7	0.3
Brass on brass	0.9	0.6

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