

ROTARY UNION

1102 SERIES

SLOW ROTATION SWIVEL



Operating Parameters
MEDIA
Water, Air, Hydraulic Fluid
PRESSURE*
1,160 psi
TEMPERATURE*
392° F
SPEED*
90 RPM
THREADS
<ul style="list-style-type: none"> • 1/4 Inch to 6 Inch NPT • BSP Available
MATERIAL
Nickel Plated Steel (Also available in all Stainless Steel)

* See Performance Charts For Details

FEATURES & BENEFITS

Bi-Directional Swivel

- 1102 Series swivels are for applications where complete rotation is not necessary.

Slow Rotation Applications

- Designed for swiveling or slow rotation applications.

High Pressure

- The 1102 will operate at pressures up to 1,160 psi.

Superior Sealing Performance

- The 1102 series has the GR Seal for superior sealing performance.

Multiple Configurations

- Available with axial (straight through) flow, or radial flow with the addition of a 90° stainless steel elbow.

Corrosion Resistant

- Features nickel plated carbon steel construction. Stainless steel models are also available.

Stability At Higher Speeds & Pressures

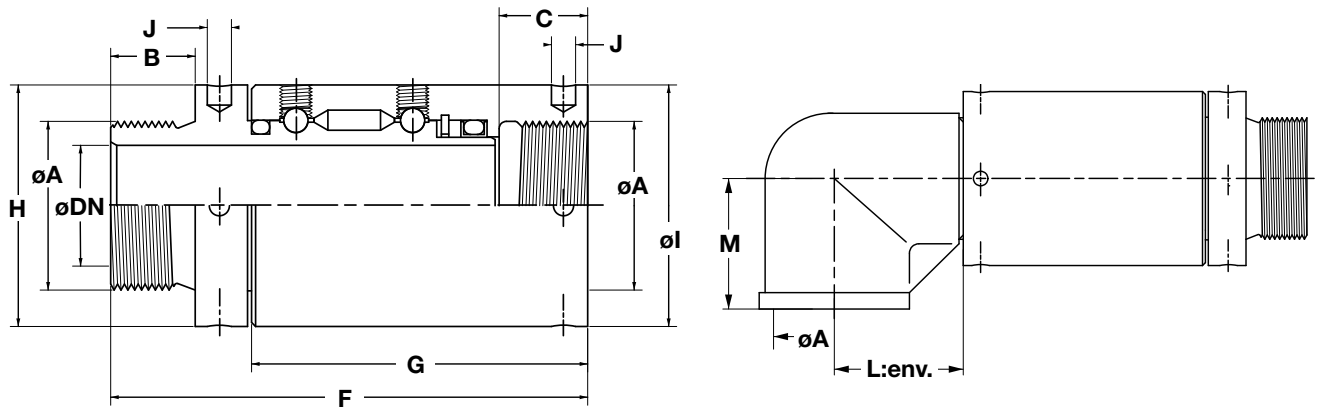
- The 1102 Series offers two ball races which allow for increased pressure and speed.

Part Numbers - 1102 Series Swivels

Nominal Pipe Size	Shaft Thread (A)	Axial Flow				with Stainless Steel Elbow			
		Nickel Plated Steel		Stainless Steel		Nickel Plated Steel		Stainless Steel	
		Part Number	Description	Part Number	Description	Part Number	Description	Part Number	Description
1/4	1/4	750859C	R1013K2NPT	750872C	R1013I2NPT	760980C	R1013K2ENPT	760993C	R1013I2ENPT
3/8	3/8	750860C	R1017K2NPT	750873C	R1017I2NPT	760981C	R1017K2ENPT	760994C	R1017I2ENPT
1/2	1/2	750861C	R1021K2NPT	750874C	R1021I2NPT	760982C	R1021K2ENPT	760995C	R1021I2ENPT
3/4	3/4	750862C	R1027K2NPT	750875C	R1027I2NPT	760983C	R1027K2ENPT	760996C	R1027I2ENPT
1	1	750863C	R1034K2NPT	750876C	R1034I2NPT	760984C	R1034K2ENPT	760997C	R1034I2ENPT
1-1/4	1-1/4	750864C	R1042K2NPT	750877C	R1042I2NPT	760985C	R1042K2ENPT	760998C	R1042I2ENPT
1-1/2	1-1/2	750865C	R1049K2NPT	750878C	R1049I2NPT	760986C	R1049K2ENPT	760999C	R1049I2ENPT
2	2	750866C	R1060K2NPT	750879C	R1060I2NPT	760987C	R1060K2ENPT	770000C	R1060I2ENPT
2-1/2	2-1/2	750867C	R1076K2NPT	750880C	R1076I2NPT	760988C	R1076K2ENPT	770001C	R1076I2ENPT
3	3	750868C	R1090K2NPT	750881C	R1090I2NPT	760989C	R1090K2ENPT	770002C	R1090I2ENPT
4	4	750869C	R10114K2NPT	750882C	R10114I2NPT	—	—	—	—
5	5	750870C	R10140K2NPT	750883C	R10140I2NPT				
6	6	750871C	R10165K2NPT	750884C	R10165I2NPT				

Maximum Operating Pressure (psi)

Nominal Pipe Size	Nickel Plated Steel	Stainless Steel
1/4	1160	435
3/8		
1/2		
3/4	870	360
1		
1-1/4	580	290
1-1/2		
2		
2-1/2	435	215
3		
4		
5	290	145
6		
6	215	115



Dimensions - 1102 Series Swivel (Inch)

Nominal Pipe Size	Shaft Thread (A)	B	C	DN	F	G	H	I	J	L	M
1/4	1/4	.39	.43	.27	2.48	1.77	.74 (Flats)	.98	.19	.78	.78
3/8	3/8	.43	.47	.39	2.83	2.00	1.02 (Flats)	1.25		1.10	.94
1/2	1/2	.55	.59	.43	3.07	2.12	1.02 (Flats)	1.25		1.18	1.10
3/4	3/4	.62	.66	.70	3.77	2.65	1.49 (Flats)	1.77	.23	1.25	1.25
1	1	.74	.78	.98	4.21	2.97	2.04	2.04		1.53	1.49
1-1/4	1-1/4	.82	.86	1.18	4.64	3.28	2.36	2.36		1.73	1.77
1-1/2	1-1/2	.82	.86	1.49	5.15	3.79	2.55	2.55	.27	2.00	1.96
2	2	.98	1.02	1.88	5.90	4.38	3.14	3.14		2.36	2.28
2-1/2	2-1/2	1.10	1.18	2.36	6.73	5.03	3.74	3.74		2.95	2.75
3	3	1.18	1.25	2.95	7.28	5.51	4.17	4.17	.27	3.42	3.07
4	4	1.37	1.57	3.93	8.00	6.18	4.53	5.43			
5	5			4.72			6.69	6.69			
6	6			5.90			7.87	7.87			

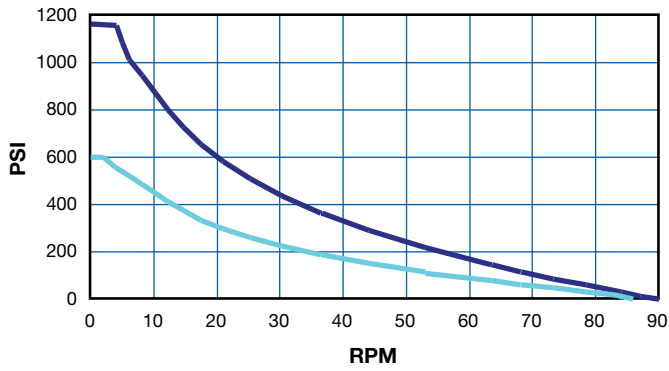
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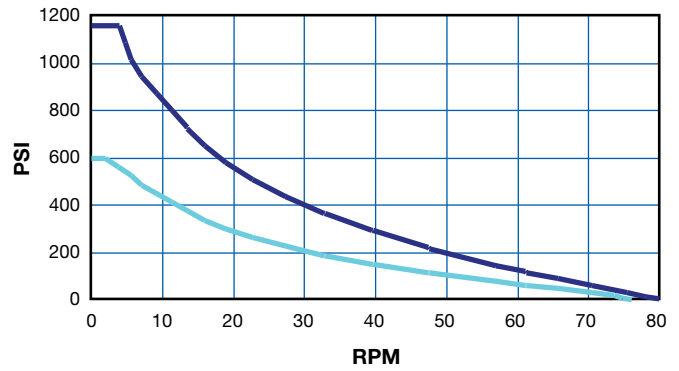
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Performance Charts

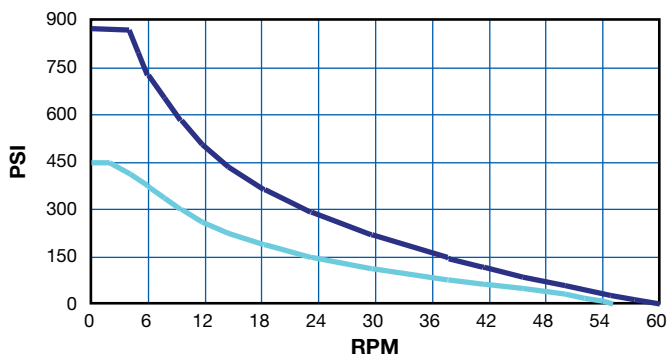
1/4 Inch & 3/8 Inch



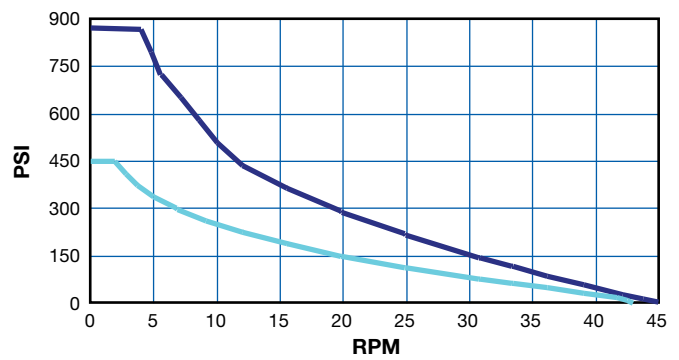
1/2 Inch



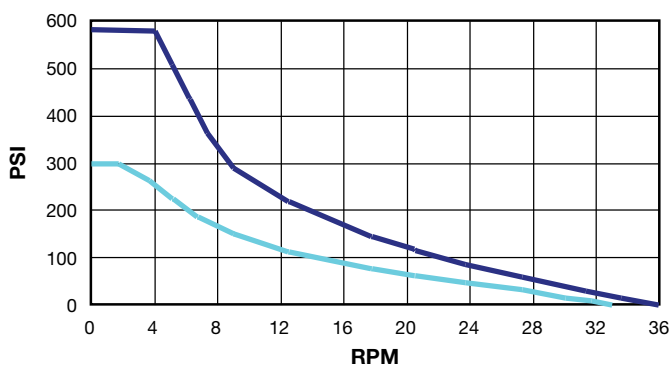
3/4 Inch



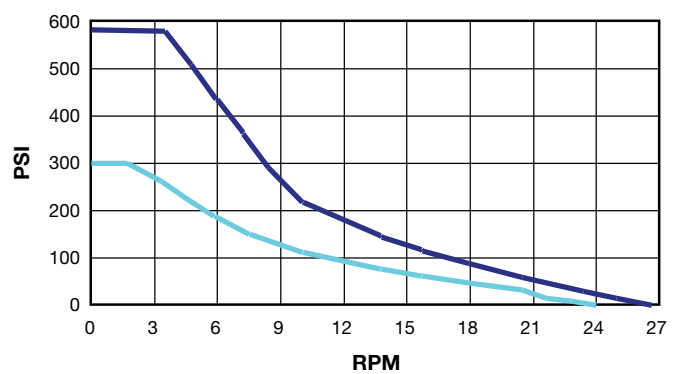
1 Inch



1-1/4 Inch

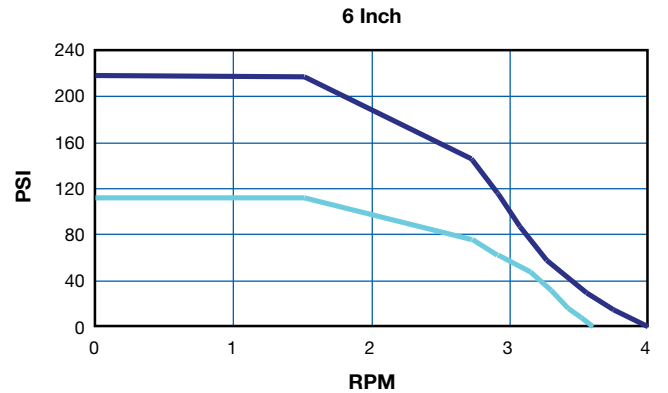
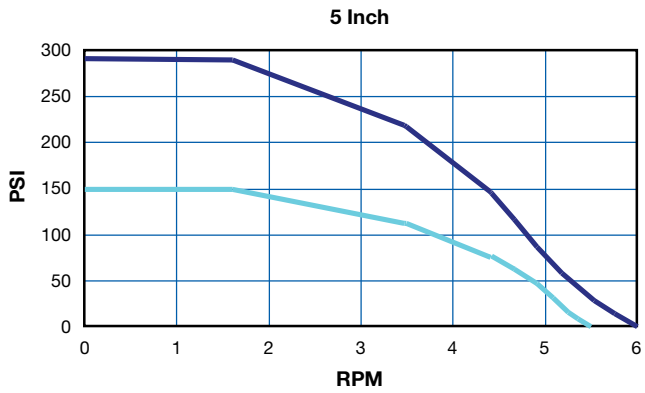
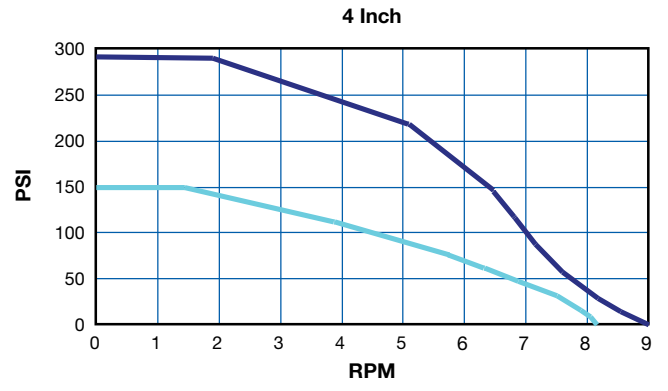
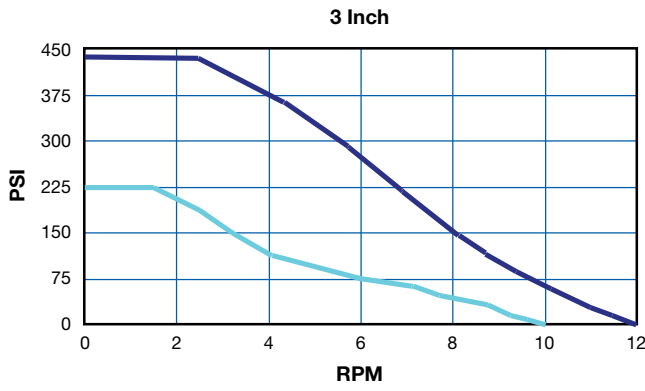
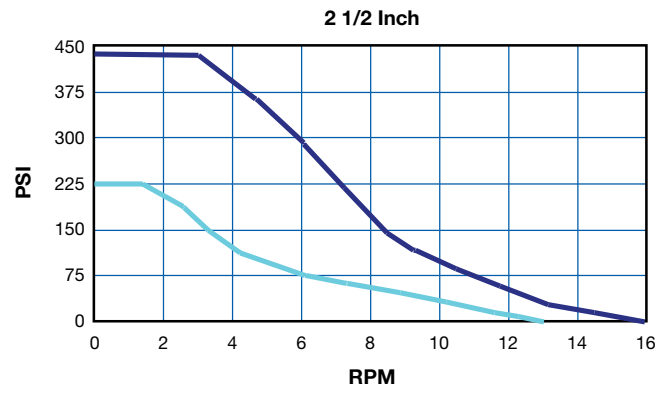
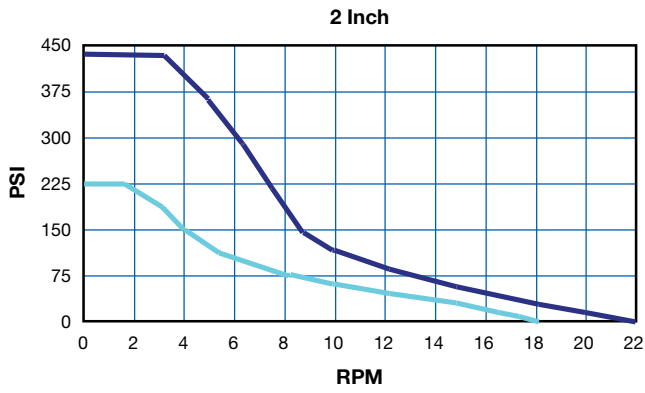


1-1/2 Inch



Standard Material
 Stainless Steel

Performance Charts



Standard Material
 Stainless Steel