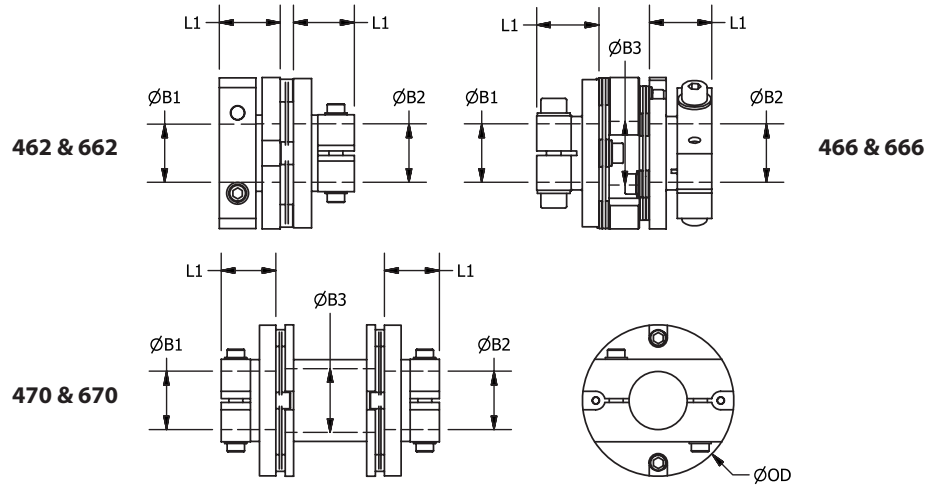


462
670

COUPLINGS

Membrane Clamp Style

462
670



Clamp Type			L ±0.04 in.	L1 in.	Max. Bore	Clamp Screw	Peak Torque lb.in.	Max Compensation			Flexural Stiffness				Mass lb.
Size	Part Number	OD						Angular ± deg.	Radial ± in.	Axial ± in.	Torsional lb.in/rad	Angular lb/deg	Radial lb/0.001"	Axial lb /0.001"	
Rivitted Assembly Series															
19	462.19	0.76	0.79	0.36	0.250	M2.5	8	2	---	0.004	1945	0.090	---	< 0.040	0.020
19	466.19	0.76	1.05	0.36	0.250	M2.5	8	4	0.008	0.008	1325	0.056	0.080	< 0.040	0.029
19	470.19	0.76	1.35	0.36	0.250	M2.5	8	4	0.016	0.008	1280	0.067	0.023	< 0.040	0.031
26	462.26	1.01	0.86	0.39	10mm	M2.5	20	2	---	0.004	5175	0.169	---	< 0.040	0.035
26	466.26	1.01	1.12	0.39	10mm	M2.5	20	4	0.008	0.008	3405	0.112	0.211	< 0.040	0.044
26	470.26	1.01	1.42	0.39	10mm	M2.5	20	4	0.016	0.008	3540	0.090	0.040	< 0.040	0.055
33	462.33	1.32	1.20	0.55	0.500	M3	50	1.5	---	0.004	13805	0.450	---	< 0.046	0.082
33	466.33	1.32	1.58	0.55	0.500	M3	50	3	0.008	0.008	8275	0.225	0.274	< 0.046	0.112
33	470.33	1.32	2.00	0.55	0.500	M3	50	3	0.016	0.008	8670	0.270	0.074	< 0.046	0.121
41	462.41	1.63	1.46	0.67	16mm	M4	100	1	---	0.004	23985	0.899	---	< 0.046	0.159
41	466.41	1.63	1.91	0.67	16mm	M4	100	2	0.008	0.008	17525	0.450	0.571	< 0.046	0.221
41	470.41	1.63	2.37	0.67	16mm	M4	100	2	0.016	0.008	17875	0.450	0.143	< 0.046	0.240
Bolted Assembly Series															
41	662.41	1.63	1.45	0.67	16mm	M4	100	1	---	0.004	35400	0.831	---	< 0.046	0.163
41	666.41	1.63	1.89	0.67	16mm	M4	100	2	0.008	0.008	24700	0.360	0.564	< 0.046	0.223
41	670.41	1.63	2.35	0.67	16mm	M4	100	2	0.016	0.008	23000	0.360	0.131	< 0.046	0.247
52	662.52	2.05	1.97	0.90	20mm	M5	265	1	---	0.004	66300	2.247	---	< 0.050	0.362
52	666.52	2.05	2.39	0.90	20mm	M5	265	2	0.008	0.008	42400	1.124	1.787	< 0.050	0.459
52	670.52	2.05	3.07	0.90	20mm	M5	265	2	0.016	0.008	42400	1.124	0.325	< 0.050	0.545
66	662.66	2.60	2.22	1.02	28mm	M5	530	1	---	0.004	168000	18.880	-	< 0.050	0.593
66	666.66	2.60	2.74	1.02	28mm	M5	530	2	0.008	0.008	106000	5.170	2.163	< 0.050	0.787
66	670.66	2.60	3.57	1.02	28mm	M5	530	2	0.016	0.008	106000	5.170	0.531	< 0.050	0.978
76	662.76	3.00	3.19	1.50	38mm	M8	885	0.5	---	0.010	404000	---	1.016	< 0.090	1.100
76	670.76	3.00	4.98	1.50	38mm	M8	885	1	0.016	0.020	274000	30.124	0.628	< 0.090	1.800

Torsionally rigid design
Zero backlash
Low inertia
No moving parts
All metal construction
Stainless Steel Membrane
Aluminum Hubs

Temperature Range
- 40°F to +248°F
- 40°C to +120°C

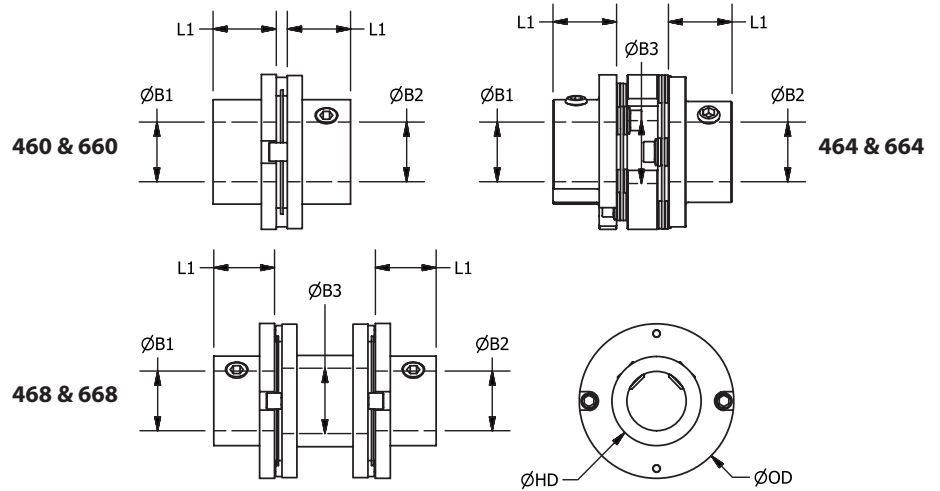
Single Stage - 462 & 662 series, 460 & 660 series
Highest torsional rigidity of the membrane couplings
Double Stage - 466 & 666 series, 464 & 664 series
Higher flexibility than the single stage but less torsional rigidity
Double Stage with spacer - 470 & 670 series, 468 & 668 series
Highest axial compensation but with slightly less torsional rigidity than the double stage

460
668

COUPLINGS

Membrane Set Screw Style

460
668



Set Screw				L ±0.04 in.	L1 in.	Max. Bore	Clamp Screw	Peak Torque lb.in.	Max Compensation			Flexural Stiffness				Mass lb.
Size	Part Number	OD	HD						Angular ± deg.	Radial ± in.	Axial ± in.	Torsional lb.in/rad	Angular lb/deg	Radial lb/0.001"	Axial lb /0.001"	
Rivitted Assembly Series																
19	460.19	0.76	0.76	0.51	0.22	0.250	M3	8	2	---	0.004	1945	0.090	---	< 0.040	0.015
19	464.19	0.76	0.76	0.77	0.22	0.250	M3	8	4	0.008	0.008	1325	0.056	0.080	< 0.040	0.022
19	468.19	0.76	0.76	1.07	0.22	0.250	M3	8	4	0.016	0.008	1280	0.067	0.023	< 0.040	0.026
26	460.26	1.01	1.01	0.62	0.27	10mm	M4	20	2	---	0.004	5175	0.169	---	< 0.040	0.033
26	464.26	1.01	1.01	0.88	0.27	10mm	M4	20	4	0.008	0.008	3405	0.112	0.211	< 0.040	0.040
26	468.26	1.01	1.01	1.19	0.27	10mm	M4	20	4	0.016	0.008	3540	0.090	0.040	< 0.040	0.051
33	460.33	1.32	1.32	0.89	0.39	0.500	M5	50	1.5	---	0.004	13805	0.450	---	< 0.046	0.082
33	464.33	1.32	1.32	1.26	0.39	0.500	M5	50	3	0.008	0.008	8275	0.225	0.274	< 0.046	0.115
33	468.33	1.32	1.32	1.69	0.39	0.500	M5	50	3	0.016	0.008	8670	0.270	0.074	< 0.046	0.121
41	460.41	1.63	1.63	1.07	0.47	16mm	M6	100	1	---	0.004	23985	0.899	---	< 0.046	0.152
41	464.41	1.63	1.63	1.51	0.47	16mm	M6	100	2	0.008	0.008	18520	0.450	0.571	< 0.046	0.214
41	468.41	1.63	1.63	1.97	0.47	16mm	M6	100	2	0.016	0.008	17875	0.450	0.143	< 0.046	0.236
Bolted Assembly Series																
41	660.41	1.63	1.10	1.45	0.67	16mm	M6	100	1	---	0.004	35400	0.831	---	< 0.046	0.138
41	664.41	1.63	1.10	1.89	0.67	16mm	M6	100	2	0.008	0.008	24700	0.360	0.564	< 0.046	0.198
41	668.41	1.63	1.10	2.35	0.67	16mm	M6	100	2	0.016	0.008	23000	0.360	0.131	< 0.046	0.223
52	660.52	2.05	1.34	1.74	0.79	20mm	M6	265	1	---	0.004	66300	2.247	---	< 0.050	0.273
52	664.52	2.05	1.34	2.17	0.79	20mm	M6	265	2	0.008	0.008	42400	1.124	1.787	< 0.050	0.370
52	668.52	2.05	1.34	2.85	0.79	20mm	M6	265	2	0.016	0.008	42400	1.124	0.325	< 0.050	0.458
66	660.66	2.60	1.81	2.38	1.1	28mm	M8	530	1	---	0.004	168000	18.880	---	< 0.050	0.599
66	664.66	2.60	1.81	2.90	1.1	28mm	M8	530	2	0.008	0.008	106000	5.169	2.163	< 0.050	0.793
66	668.66	2.60	1.81	3.73	1.1	28mm	M8	530	2	0.016	0.008	106000	5.169	0.531	< 0.050	0.985

Standard Bores																										
ØB1, ØB2 +0.05mm/-0mm (+0.002/ -0)																										
SIZE	3	(1/8")	4	(3/16")	5	6	(1/4")	8	9	(3/8")	10	11	12	(1/2")	14	15	(5/8")	16	18	19	(3/4")	20	24	25	(1")	28
19
26
33	S	S	S	.	.	.	.	.	.	.	.	.	.	.	.
41	S	S	S	S	.	.	.	.	.	.	.	.
52	S	S	S	S	.	.	.
66	S
76
Code	14	16	18	19	20	22	24	28	30	31	32	33	35	36	38	40	41	42	45	46	47	48	51	52	53	54

S = plain bore only, types 662, 666 & 670