



Conversion Factors

(U.S. Customary to Metric)

1 lb (mass)	=	0.4536 kg
1 inch	=	25.4 mm
1 in-lb	=	0.113 Nm
1 HP	=	0.7457 kW
1 lb-in ²	=	0.000293 kg-m ²

Selection Data

Size	Max. ① Continuous Rating (kW/RPM)	Max. ① Torque Rating		Maximum Speed (RPM)	Max. Bore (mm)	Total ② Weight (kgs)	Total ② WR ² (kgm ²)	Total Stiffness (MNm/rad)	Spacer Tube			Size
		Continuous (kNm)	Peak						K (MNm/rad)/m	Weight (kg)/m	WR ² (kgm ²)/m	
103	.07	.68	.90	14200	73	9.98	.018	.03	.03	4.29	.003	103
153	.24	2.30	3.07	12500	99	18.8	.055	.12	.10	7.14	.009	153
204	.34	6.10	8.14	11100	118	31.3	.123	.32	.32	14.3	.031	204
254	.92	8.81	11.8	9900	140	45.3	.262	.47	.52	13.9	.050	254
304	1.6	15.1	20.1	8700	165	68.9	.519	.90	.96	20.9	.093	304
354	2.7	25.4	33.9	7500	191	109	1.09	1.6	2.0	35.0	.196	354
404	3.8	36.4	48.6	6600	229	156	2.00	2.4	2.9	39.5	.280	404
454	4.5	43.3	57.6	6000	248	206	3.34	3.1	4.4	45.4	.427	454
504	6.4	61.0	81.4	5600	273	261	4.86	4.3	7.5	65.5	.722	504
554	8.9	85.7	114	4800	305	359	8.32	5.6	9.0	49.5	.862	554
604	12	112	149	4600	330	450	11.9	7.8	14	93.0	1.33	604
705	27	256	341	3860	400	767	29.9	18	36	168	3.51	705
805	41	392	522	3450	457	1110	54.2	27	61	225	5.85	805
905	46	441	588	3100	508	1440	89.1	34	79	209	7.59	905

Dimensions and Misalignment Capacities

Size	A (mm)	No (mm)	Ni (mm)	Typical Bore (mm)	Typical E (mm)	Typical O (mm)	Min. C (mm)	Misalignment Capacities		Size
								Axial (mm)	Angular (degrees)	
103	138	57	51	51	49	97	118	±2.0	0.20	103
153	173	76	68	64	60	122	146	±2.9	0.25	153
204	198	99	86	76	76	146	162	±2.5	0.20	204
254	236	124	114	89	90	171	165	±3.1	0.20	254
304	270	140	124	102	105	197	197	±3.6	0.20	304
354	312	159	140	114	117	229	235	±4.1	0.20	354
404	354	178	159	127	133	257	276	±4.6	0.20	404
454	395	203	184	140	149	289	286	±5.1	0.20	454
504	424	222	197	152	162	311	311	±5.8	0.20	504
554	475	235	210	165	178	346	349	±6.4	0.20	554
604	508	254	222	178	194	371	372	±6.9	0.20	604
705	610	311	264	216	229	445	454	±5.8	0.15	705
805	683	349	292	241	254	495	511	±6.6	0.15	805
905	762	406	362	279	292	559	543	±8.6	0.15	905

To account for off-design fluctuating or continuous torques, an experience or application factor should be used. API 671 and KOP-FLEX recommends 1.5 minimum for general turbomachinery applications.

Mass elastic data based on couplings with typical bores and 460 mm shaft separation up to #705, and min. C for #805 and #905; design and data can be changed to meet specific requirements.

All major components are made of carbon steel.