

延伸型鋼片式聯軸器 Disc Flexible Couplings

GAINER鋼片式聯軸器是設計用來增加最高動能之重量比。此聯軸器適用於傳動機械。

鋼片式聯軸器是使用在重負載量、或是中速設備上，即高扭矩、高翻轉扭矩、持續轉變扭矩，或是衝擊負荷。例如離心泵、壓縮機、通風機、發電機、渦輪、電動馬達、紙業機器、機器工具、冷卻塔，以及印刷機上。

鋼片式聯軸器之簡易設計能夠快速安裝。核心部分，一般來說為凸耳式，這是為了空間最小化，以及提供最有效率之間距。核心部分還提供最佳的動平衡，這會增加聯軸器之使用壽命。鋼片式聯軸器不需要定期保養，以及，不需要橡膠。聯軸器整體皆由SM45C製成。

核心部分是自定心，且不需要限制儀器，或是，軸的軸向浮動。聯軸器配件通常成套提供鐵片與螺絲，這會減少零件損失的機率，以及更容易安裝或替換。

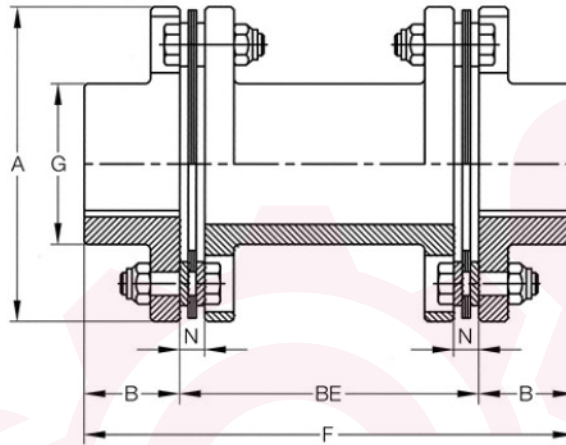


K52 Spacer Type



K71 Spacer Type

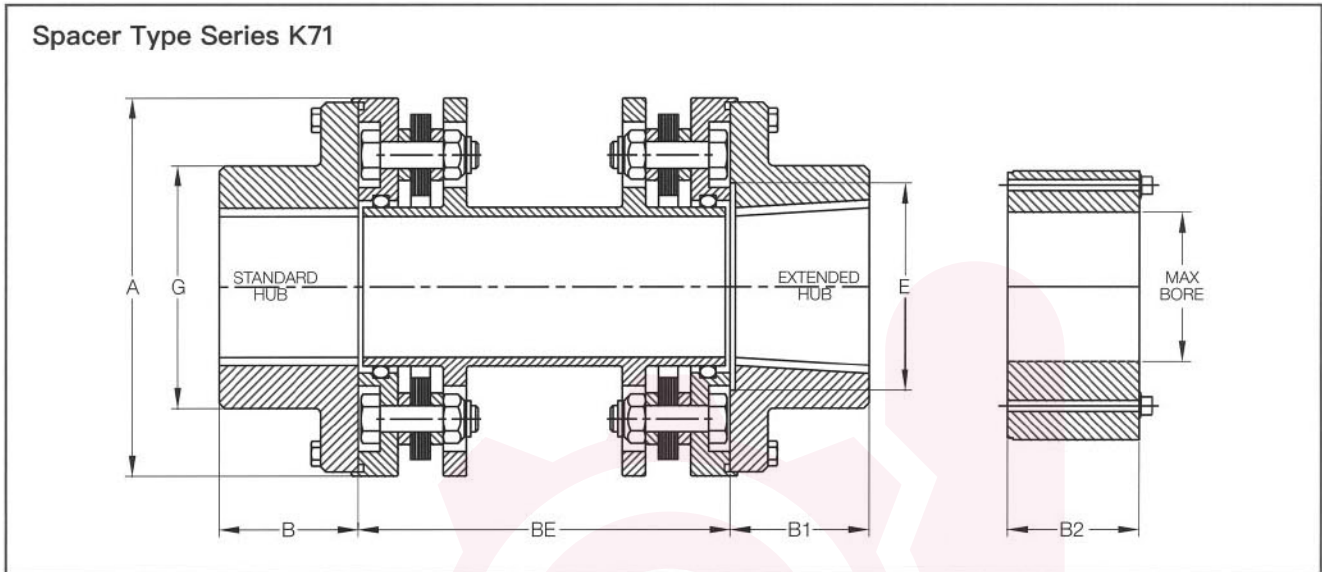
Spacer Type Series K52



Size	Max Contin. Torque (Nm)	Peak Torque (Nm)	Max Speed (RPM)		Cplg Weight (Kg)	Change of "BE" Weight (Kg)	WR ² (Kg.m ²)	Change of "BE" WR ² (Kg.m ²)	Axial Capacity (mm)	Max. kW Per 100rpm S.F = 1.0
			Not Balanced RPM	Balanced RPM						
125	305	610	5,000	15,000	2.1	0.003	0.0022	0.00170	±0.91	3.2
162	604	1,208	4,600	15,000	3.3	0.004	0.0046	0.00310	±0.91	6.3
200	1,185	2,371	4,250	15,000	5.6	0.004	0.0128	0.00670	±0.91	12.5
225	1,976	3,951	4,100	14,000	7.3	0.006	0.0178	0.00980	±0.91	20.7
262	3,706	7,413	3,900	13,000	11.8	0.009	0.0401	0.01800	±1.09	38.9
312	5,803	11,605	3,450	11,700	18.8	0.012	0.0878	0.03600	±1.29	60.8
350	7,552	15,105	3,200	10,500	26.6	0.015	0.1540	0.05500	±1.42	79.0
375	11,323	22,646	3,000	9,400	36.3	0.018	0.2660	0.08300	±1.57	118.6
425	15,161	30,323	2,800	8,700	47.2	0.026	0.4040	0.13500	±1.70	158.8
450	16,979	33,958	2,700	8,100	57.7	0.026	0.5760	0.15600	±1.82	178.2
500	27,817	55,633	2,500	7,100	89.0	0.041	1.1120	0.31300	±2.02	291.5
550	37,300	74,599	2,300	6,300	127.6	0.052	2.0190	0.49500	±2.33	390.7
600	48,973	97,945	2,150	5,700	168.0	0.059	3.2770	0.70500	±2.59	512.9
700	76,180	152,359	1,950	5,000	257.4	0.082	6.5250	1.19000	±2.92	798.5
750	94,694	189,388	1,850	4,600	323.2	0.093	9.6850	1.65000	±3.17	992.4
800	121,777	243,554	1,750	4,300	413.6	0.107	15.0500	2.30000	±3.45	1,278.50
850	143,712	287,424	1,600	3,900	503.5	0.107	20.9800	2.30000	±3.65	1,506.10
925	194,626	389,253	1,500	3,600	662.4	0.143	32.6000	4.61000	±3.96	2,039.20
100	220,140	440,280	-	3,250	853.5	0.161	50.3000	5.83000	±4.36	2,306.90
1100	262,475	524,949	-	3,100	1021.5	0.197	68.9100	9.15000	±4.64	2,750.50
1200	320,050	640,099	-	2,800	1366.5	0.268	110.1600	13.78000	±5.15	3,353.70
1300	382,705	765,410	-	2,600	1661.6	0.268	153.2300	15.55000	±5.53	4,010.60

Size	Max Bore (mm)	Dimensions (Millimeters)						
		A	B	BE		F	G	N
				Std	Min			
125	34	94	33	102	-	168	52	7
162	50	110	44	127	52	216	70	7
200	58	138	52	127	67	232	83	9
225	70	145	67	127	70	260	96	9
262	84	168	73	127	82	273	114	12
312	97	198	86	140	95	311	133	13
350	110	221	95	152	106	343	149	14
375	120	246	102	178	117	381	165	15
425	130	267	108	178	125	394	178	16
450	140	287	114	203	136	432	189	18
500	146	327	127	229	153	483	213	20

Size	Max Bore (mm)	Dimensions (Millimeters)						
		A	B	BE		F	G	N
				Std	Min			
550	166	367	140	254	175	533	240	23
600	176	406	152	254	191	559	260	25
700	205	464	178	279	217	635	298	30
750	224	503	191	279	235	660	321	32
800	241	546	210	305	255	724	346	34
850	250	584	222	330	273	775	368	36
925	267	635	241	356	292	838	400	38
100	290	699	267	368	-	902	438	43
1100	314	741	286	406	-	978	470	44
1200	339	816	311	432	-	1,054	514	50
1300	376	876	337	457	-	1,130	556	52



Size	Max Contin. Torque (Nm)	Peak Torque (Nm)	Max Speed (RPM)		Cplg Weight (Kg)	Change of "BE" Weight (Kg)	WR ² (Kg.m ²)	Change of "BE" WR ² (Kg.m ²)	Axial Capacity (mm)	Max. kW Per 100rpm S.F = 1.0
			Not Balanced RPM	Balanced RPM						
150 (4-Bolt)	105	210	9,000	20,800	3.0	0.0018	0.0031	0.00035	±0.1270	1.1
175 (4-Bolt)	184	368	8,300	17,000	4.3	0.0025	0.0060	0.00104	±0.1778	1.9
225 (6-Bolt)	345	691	7,700	16,000	6.4	0.0034	0.0123	0.00288	±0.1950	3.6
300 (6-Bolt)	820	1,639	6,800	14,000	11.8	0.0046	0.0354	0.00760	±2.1590	8.6
350 (6-Bolt)	1,513	3,026	6,200	13,500	19.5	0.0075	0.0758	0.01360	±2.2960	15.8
375 (6-Bolt)	2,179	4,358	5,650	12,000	25.0	0.0077	0.1238	0.01870	±2.4130	22.8
412 (6-Bolt)	2,540	5,080	5,350	11,000	32.2	0.0107	0.1799	0.03340	±2.7940	26.6
462 (6-Bolt)	4,561	9,122	5,000	10,000	45.9	0.0143	0.3248	0.05360	±3.0480	47.8
512 (6-Bolt)	6,209	12,418	4,700	9,200	61.3	0.0186	0.5355	0.08560	±3.3020	65.0
562 (6-Bolt)	9,494	18,988	4,350	8,300	84.4	0.0229	0.8837	0.12000	±3.6830	99.4
600 (6-Bolt)	10,352	20,704	4,150	7,800	103.5	0.0313	1.2436	0.20200	±4.0640	108.4
225 (8-Bolt)	1,976	3,952	7,500	14,000	12.6	0.0068	0.0375	0.01230	±0.9100	20.7
262 (8-Bolt)	3,706	7,412	6,800	12,500	19.5	0.0082	0.0775	0.02250	±1.0900	38.8
312 (8-Bolt)	5,803	11,606	6,200	11,500	30.0	0.0098	0.1697	0.03850	±1.2900	60.8
350 (8-Bolt)	7,552	15,104	5,700	10,500	43.0	0.0134	0.3017	0.06490	±1.4200	79.1
375 (8-Bolt)	11,323	22,646	5,200	9,800	61.0	0.0188	0.5220	0.10600	±1.5700	118.6
425 (8-Bolt)	15,161	30,322	5,000	9,300	77.0	0.0218	0.7654	0.14500	±1.7000	158.8
450 (8-Bolt)	16,979	33,958	4,700	8,700	100.0	0.0284	1.1763	0.20700	±1.8200	177.8
500 (8-Bolt)	27,817	55,634	4,200	7,900	155.0	0.0379	2.3525	0.36200	±2.0200	291.3
550 (8-Bolt)	37,300	74,600	3,900	7,300	216.0	0.0474	4.0759	0.57400	±2.3400	390.6
600 (8-Bolt)	48,973	97,946	3,600	6,800	296.0	0.0545	7.0604	0.79600	±2.5900	512.9
700 (8-Bolt)	76,180	152,360	3,300	6,200	436.0	0.0738	13.1377	1.36000	±2.9200	797.8
750 (8-Bolt)	94,694	189,388	3,100	5,800	564.0	0.0924	20.2538	2.02000	±3.1800	991.7

Size	B & B1 Hub Max Bore (mm)	B2 Hub Max Bore (mm)	Dimensions (Millimeters)								
			A	B	B1	B2	BE		W Max	G	
							Std	Min			
150 (4-Bolt)	39	64	91	33	43	41	89	89	87	52	59
175 (4-Bolt)	50	73	106	40	52	46	89	89	87	65	71
225 (6-Bolt)	58	87	125	51	64	52	127	127	87	78	85
300 (6-Bolt)	81	110	152	67	83	70	127	127	102	105	113
350 (6-Bolt)	95	120	171	79	95	76	127	127	124	127	133
375 (6-Bolt)	100	137	194	83	102	83	140	140	127	135	144
412 (6-Bolt)	110	145	203	92	111	92	178	178	155	146	155
462 (6-Bolt)	130	166	229	105	127	105	178	178	178	160	174
512 (6-Bolt)	140	187	255	114	137	114	178	178	191	179	194
562 (6-Bolt)	156	200	279	127	152	127	203	203	203	195	213
600 (6-Bolt)	166	220	298	133	162	133	229	229	229	211	227
225 (8-Bolt)	80	106	152	64	79	78	127	127	121	106	116
262 (8-Bolt)	95	128	175	78	94	90	178	178	140	119	132
312 (8-Bolt)	112	145	203	90	109	105	191	191	152	146	160
350 (8-Bolt)	130	166	227	99	121	114	191	191	171	165	179
375 (8-Bolt)	144	185	252	113	135	131	191	191	184	181	202
425 (8-Bolt)	158	203	273	124	149	140	203	203	191	189	214
450 (8-Bolt)	170	214	294	129	157	152	229	229	222	213	236
500 (8-Bolt)	196	248	333	151	179	171	279	279	260	232	267
550 (8-Bolt)	215	-	373	167	198	-	292	292	292	254	292
600 (8-Bolt)	242	-	416	183	214	-	318	318	318	298	336
700 (8-Bolt)	258	-	471	211	246	-	368	368	368	325	373
800 (8-Bolt)	286	-	511	227	262	-	400	400	400	363	413