GC Coupling Transmitted capacity

Unit: kW for top, N-m for center, kgf-m for bottom lines

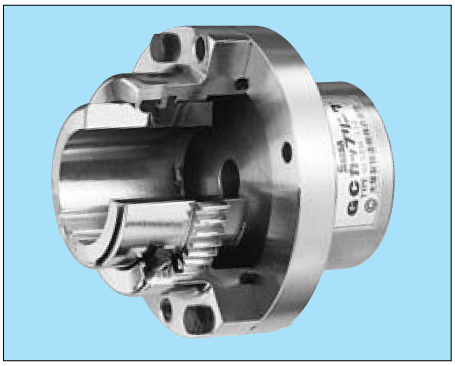
GC-SSM type, GC-SEM type, GC-SMV type

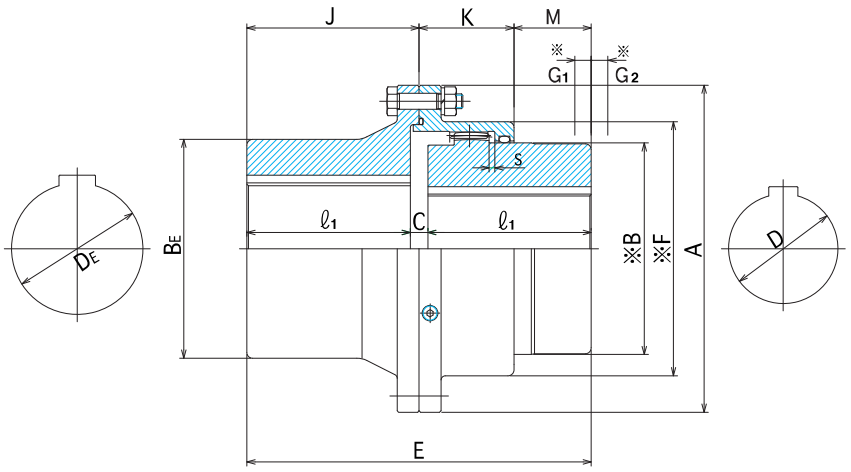
Size No.	Shaft dia. Max/Min	Max. allowable rotational speed (rpm)	Reference torque N-m (kgf-m)	Rotational speed (rpm) 100	200	500	750	1000	1200	1500	1800	3000	3600	4000
100	32/17	4000	421 (43.0)	4.1 387 (39.5)	8.1 385 (39.3)	18.4 352 (35.9)	26.6 339 (34.6)	34.5 329 (33.6)	40.5 323 (32.9)	49.3 314 (32.0)	57.8 306 (31.3)	89.1 284 (28.9)	104 275 (28.1)	113 270 (27.6)
112	40/17	4000	788 (80.3)	7.5 718 (73.2)	14.5 692 (70.6)	33.8 646 (65.9)	48.8 621 (63.3)	63.0 602 (61.3)	73.9 588 (60.0)	89.7 571 (58.2)	105 557 (56.8)	161 513 (52.3)	187 496 (50.6)	204 486 (49.6)
125	50/22	4000	1400 (142)	13.2 1260 (129)	25.4 1210 (124)	59.1 1130 (115)	84.9 1080 (110)	109 1045 (106)	128 1020 (104)	155 989 (101)	181 962 (98.1)	277 882 (90.0)	321 853 (86.9)	350 835 (85.1)
140	56/22	4000	2010 (205)	18.9 1800 (184)	36.2 1730 (176)	83.7 1600 (163)	120 1530 (156)	154 1470 (150)	180 1440 (146)	218 1390 (142)	254 1350 (138)	387 1230 (126)	448 1190 (121)	487 1160 (118)
160	65/22	4000	3080 (314)	28.7 2740 (280)	54.9 2620 (268)	126 2420 (246)	181 2300 (235)	232 2220 (226)	271 2160 (220)	328 2090 (213)	381 2020 (206)	578 1840 (188)	668 1770 (181)	725 1730 (177)
180	75/32	4000	4730 (482)	43.8 4190 (427)	83.7 4000 (407)	192 3660 (374)	274 3490 (356)	351 3350 (342)	410 3260 (333)	494 3150 (321)	575 3050 (311)	868 2760 (282)	1000 2660 (271)	1090 2600 (265)
200	85/32	3810	6750 (689)	62.2 5940 (605)	118 5650 (577)	270 5170 (527)	385 4910 (500)	493 4710 (480)	575 4570 (466)	692 4410 (449)	804 4270 (435)	1210 3850 (393)	1390 3700 (377)	
224	100/42	3410	9810 (1000)	89.3 8530 (870)	169 8090 (825)	384 7340 (749)	546 6950 (709)	696 6650 (678)	811 6450 (658)	974 6200 (633)	1130 5990 (611)	1690 5380 (549)		
250	115/42	3050	14400 (1470)	130 12400 (1265)	246 11700 (1200)	554 10600 (1080)	784 9990 (1020)	998 9530 (972)	1160 9240 (942)	1390 8860 (904)	1610 8550 (871)	2400 7640 (779)		
280	135/42	2720	22900 (2340)	205 19500 (1990)	386 18400 (1880)	866 16500 (1690)	1220 15600 (1590)	1550 14800 (1510)	1800 14300 (1460)	2160 13700 (1400)	2490 13200 (1350)			
315	160/100	2420	36100 (3680)	319 30400 (3100)	598 28600 (2910)	1330 25500 (2600)	1880 23900 (2440)	2380 22700 (2320)	2750 21900 (2240)	3290 21000 (2140)	3800 20100 (2050)			
355	180/125	2150	54400 (5550)	476 45500 (4640)	892 42600 (4340)	1980 37800 (3860)	2780 35400 (3610)	3520 33600 (3420)	4070 32400 (3300)	4860 30900 (3150)	5600 29700 (3030)			
400	200/140	1900	76400 (7790)	661 63100 (6440)	1230 58900 (6010)	2720 52000 (5300)	3810 48500 (4940)	4800 45900 (4680)	5550 44200 (4510)	6610 42100 (4290)	7610 40400 (4120)			

Note: 1. Consult us when rotational speed is lower than 100rpm.

※ Size number marked with ● is in stock.

GC-SEM type GC-SEMH type
(Single Engagement and floating shaft)





※ Dimensions B and F are the same as those of GC-SSM type.
※ G1 indicates the Coupling Case position at the time of centering.
※ G2 indicates the Coupling Case position at the time of tooth inspection.

Size No	Shaft dia. (mm)		Dimensions (mm)										Lubricant capacity (ℓ)	Weight (kg)	GD² (kgf-m²)
O.D. (mm) A	Max/Min D	Max/Min DE	E	ℓ1	C	K	M	J	BE	S	G1	G2			
100	32/17	40/17	98	45	8	34	15	49	55	2	4	10	0.032	3.0	0.0110
112	40/17	50/17	108	50	8	40	14	54	70	2	1	14	0.042	4.6	0.0197
125	50/22	56/22	134	63	8	43	24	67	80	2.5	9	7	0.056	6.7	0.0348
140	56/22	63/22	150	71	8	47	28	75	90	2.5	11	7	0.085	9.3	0.0591
160	65/22	75/22	170	80	10	52	33	85	105	3	12	7	0.11	14	0.111
180	75/32	80/32	190	90	10	56	39	95	115	3	15	5	0.14	19	0.183
200	85/32	95/32	210	100	10	61	44	105	135	3	18	5	0.18	26	0.317
224	100/42	105/42	236	112	12	65	53	118	150	4	25	1	0.29	38	0.579
250	115/42	125/42	262	125	12	74	57	131	180	4	28	1	0.41	56	1.08
280	135/42	150/42	294	140	14	82	65	147	210	4.5	28	1	0.56	83	2.14
315	160/100	180/100	356	170	16	98	80	178	250	5.5	33	1	0.90	135	4.55
355	180/125	200/125	396	190	16	108	90	198	275	5.5	34	1	1.1	184	7.50
400	200/140	236/140	418	200	18	114	95	209	325	6.5	39	0	1.6	261	14.1

Note: 1. Weight and GD² are the values for solid shaft.