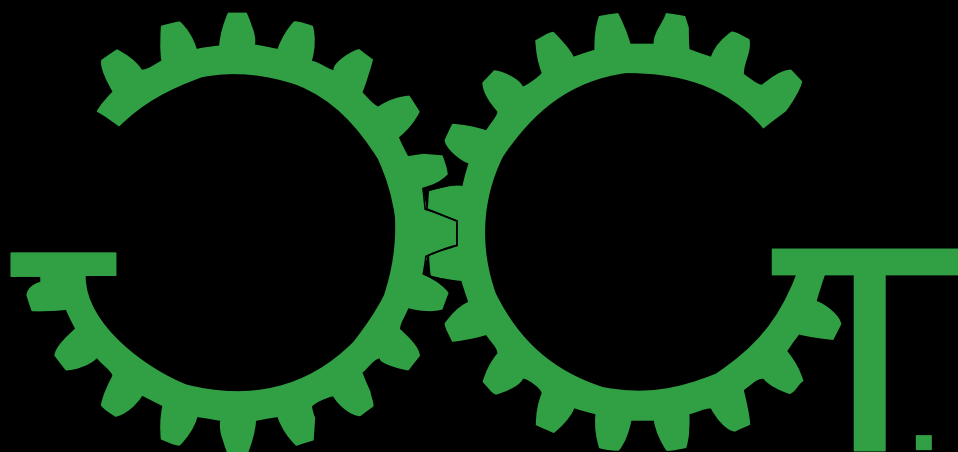




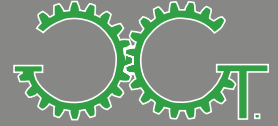
GREEN GEAR TRASMISSIONI SRL



GEAR COUPLING

Catalogue

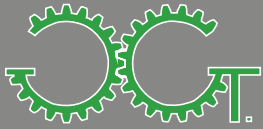
2023



A growing company,
seeking to make your projects real



Founded by specialists with
full experience
in power transmission equipment



Located in a strategic point at Italy and surrounded by strategic suppliers, we are able to respond to every requirement, guaranteeing high-standard services thanks to our **flexible manufacturing process, full stock availability and skilled collaborators.**

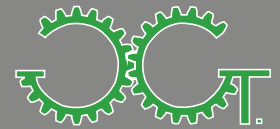


Operating under **ISO 9001:2015 STANDARDS**, our products has arrived to more than 20 countries, principally located in **Europe, Asia and America.**

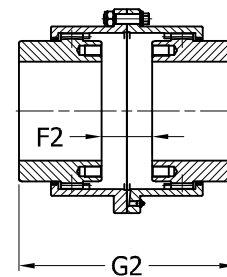
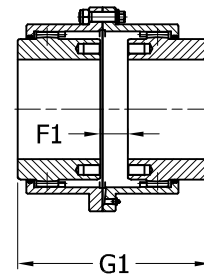
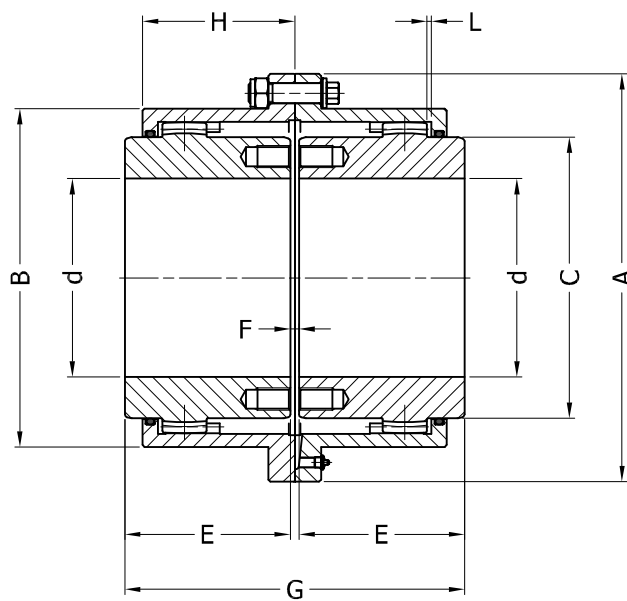


Customers are our commitment. For that purpose, GGT regularly invest in research & development, as well as in cnc machines.

Always with the aim of making **the best power transmission equipment.**

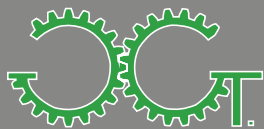


Gear Coupling type **FGC, FGC.R** and **FGC.RR** with Standard and Reversed Hubs

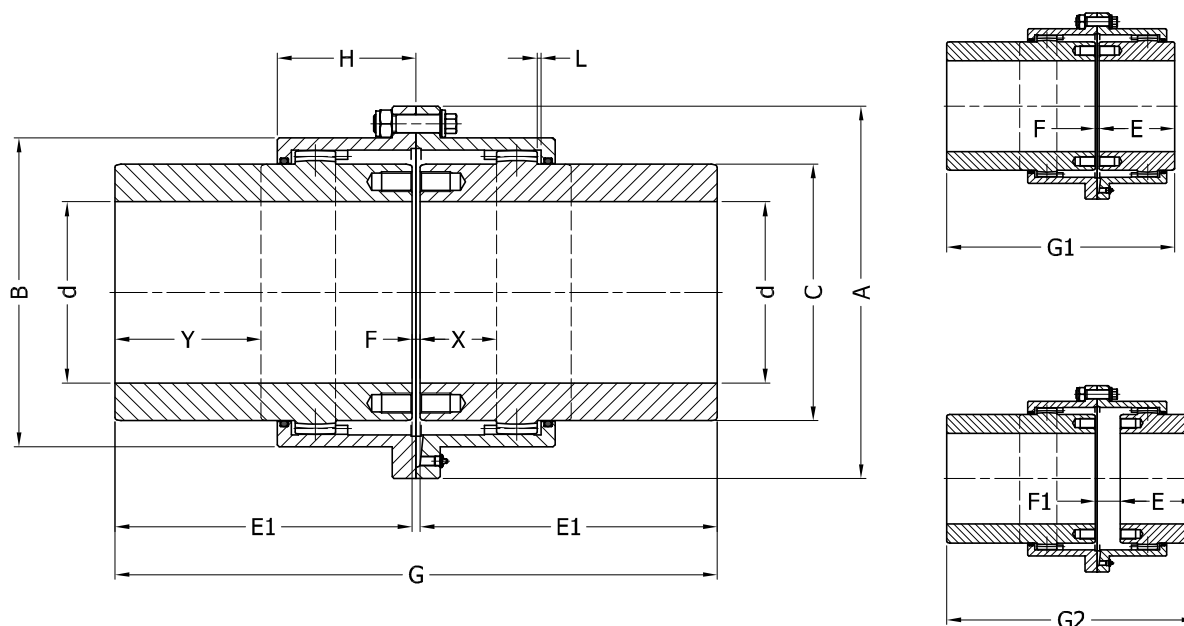


Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	F	F1	F2	G	G1	G2	H	L	Mass Moment of Inertia J kgm ²	Weight m kg
dimensions in mm																		
096	1.9	4.2	6000	52	111	82.5	68	43	3	5	7	89	91	93	39	1.5	0.005	4.2
122	2.9	6.8	4550	62	142	104.5	86	50	3	8	13	103	108	113	45.5	1.5	0.013	7.7
148	5.7	14	4000	78	168	130.5	105	62	3	14	25	127	138	149	59	1.5	0.034	13.7
178	9	21.5	3900	98	200	158.5	132	76	5	12	19	157	170	184	68.5	2.5	0.090	24.6
203	14.5	35	3700	112	225	183.5	151	90	5	24	43	185	204	223	82.5	2.5	0.175	36.8
236	22.8	54.7	3550	132	265	211.5	179	105	6	27	48	216	237	258	93	3	0.402	60.5
270	34.8	83.5	3000	156	300	245.5	209	120	6	32	58	246	272	298	106	3	0.768	87.4
300	45.8	110	2750	174	330	275	234	135	8	37	66	278	307	336	118	4	1.305	128.7
335	70.8	170	2420	190	370	307	255	150	8	50	92	308	350	392	138	4	2.220	167.0
368	85.4	205	2270	210	406	335	280	175	8	53	98	358	403	448	154	4	3.600	233.5
400	150	360	1950	233	439	367	306	190	8	58	108	388	438	488	166	4	5.423	308.8
460	200	480	1730	280	505	423	356	220	10	72	134	450	512	574	193	5	10.816	437.0

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

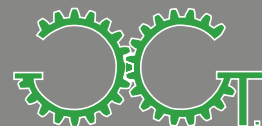


Gear Coupling type **FGC.LL, FGC.L** and **FGC.LR** with Long, Standard and Reversed Hubs

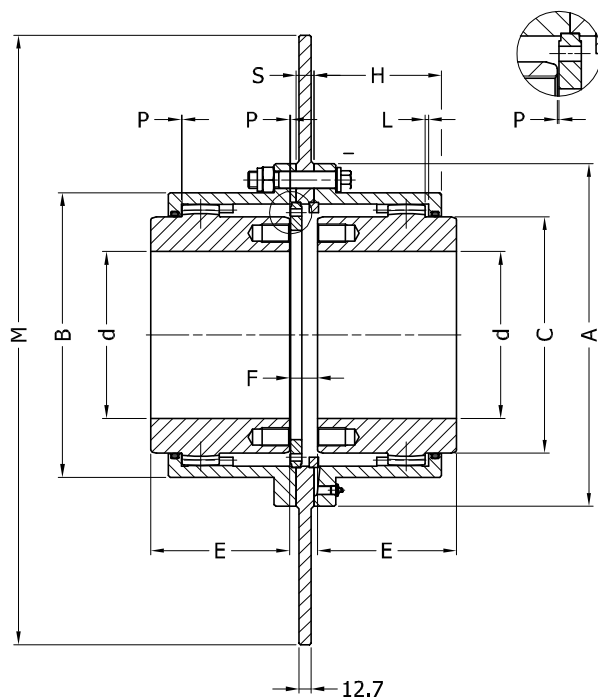


Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	E1	F	F1	G	G1	G2	X	Y	H	L	Mass Moment of Inertia J kgm ²	Weight m kg
dimensions in mm																				
096	1.9	4.2	6000	52	111	82.5	68	43	105	3	5	213	151	153	12	62	39	1.5	0.007	7.8
122	2.9	6.8	4550	62	142	104.5	86	50	115	3	8	233	168	173	16	65	45.5	1.5	0.02	13.9
148	5.7	14	4000	78	168	130.5	105	62	130	3	14	263	195	206	22	68	59	1.5	0.048	23.3
178	9	21.5	3900	98	200	158.5	132	76	150	5	12	305	231	238	26	74	68.5	2.5	0.125	40.3
203	14.5	35	3700	112	225	183.5	151	90	170	5	24	345	265	284	38	80	82.5	2.5	0.238	58.2
236	22.8	54.7	3550	132	265	211.5	179	105	185	6	27	376	296	317	45	80	93	3	0.529	91.2
270	34.8	83.5	3000	156	300	245.5	209	120	215	6	32	436	341	367	50	95	106	3	1.050	135.0
300	45.8	110	2750	174	330	275	234	135	245	8	37	498	388	417	58	110	118	4	1.796	191.8
335	70.8	170	2420	190	370	307	255	150	295	8	50	598	453	495	70	145	138	4	3.166	276.1
368	85.4	205	2270	210	406	335	280	175	300	8	53	608	483	528	80	125	154	4	4.750	331.1
400	150	360	1950	233	439	367	306	190	305	8	58	618	503	553	86	115	166	4	6.937	403.8
460	200	480	1730	280	505	423	356	220	310	10	72	630	540	602	96	90	193	5	13.070	565.6

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

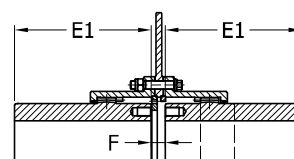
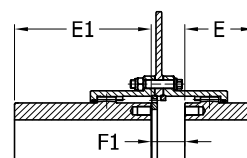
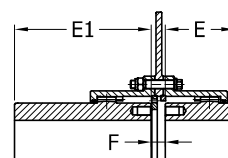


Gear Coupling type **FGC.BD, FGC.L.BD, FGC.LR.BD** and **FGC.LL.BD** with Straight Brake Disc



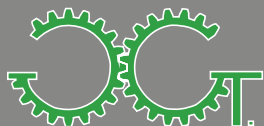
Recommended Disk Allocation		
Size	Brake Disk ϕ M	
FGC	dimensions in mm	
096	250	300
122	300	350
148	350	400
178	400	460
203	400	460 515
236	460	515 610
270	515	610 710
300	515	610 710 810
335	610	710 810 915
368	610	710 810 915
400	710	810 915
460	710	810 915

Brake Disk Dimensions in mm	
ϕ M	S
250	6
300	13
350	16
400	13
460	16
515	16
610	16
710	19
810	25
915	25

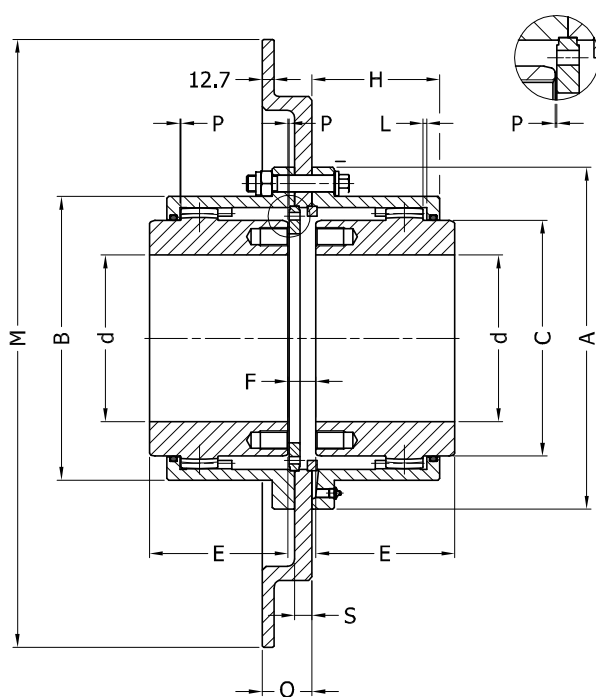


Size	Rated Torque	Maximum Torque	Maximum Speed	Maximum Bore										
FGC	RTk	MTk	nk	d	A	B	C	E	E1	F	F1	P	H	L
	kNm	kNm	rpm	mm	dimensions in mm									
096	1.9	4.2	6000	52	111	82.5	68	43	105	S + 4	S + 6	0.5	39	1.5
122	2.9	6.8	4550	62	142	104.5	86	50	115	S + 4	S + 9	0.5	45.5	1.5
148	5.7	14	4000	78	168	130.5	105	62	130	S + 4	S + 15	0.5	59	1.5
178	9	21.5	3900	98	200	158.5	132	76	150	S + 7	S + 14	0.5	68.5	2.5
203	14.5	35	3700	112	225	183.5	151	90	170	S + 7	S + 26	0.5	82.5	2.5
236	22.8	54.7	3550	132	265	211.5	179	105	185	S + 8	S + 29	1	93	3
270	34.8	83.5	3000	156	300	245.5	209	120	215	S + 8	S + 34	1	106	3
300	45.8	110	2750	174	330	275	234	135	245	S + 11	S + 40	1	118	4
335	70.8	170	2420	190	370	307	255	150	295	S + 11	S + 53	1	138	4
368	85.4	205	2270	210	406	335	280	175	300	S + 11	S + 56	1	154	4
400	150	360	1950	233	439	367	306	190	305	S + 11	S + 61	1	166	4
460	200	480	1730	280	505	423	356	220	310	S + 14	S + 76	1	193	5

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

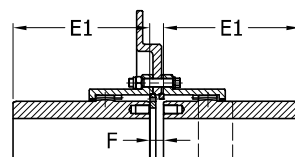
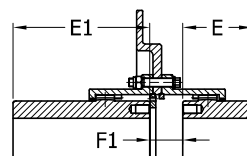
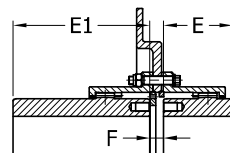


Gear Coupling type **FGC.DT, FGC.L.DT, FGC.LR.DT** and **FGC.LL.DT** with Twiflex Brake Disc



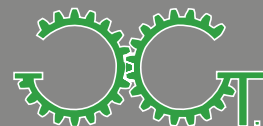
Size	Twiflex Disk ϕ M dimensions in mm	
FGC		
096	250	300
122	300	350
148	350	400
178	400	460
203	400	460 515
236	460	515 610
270	515	610 710
300	515	610 710 810
335	610	710 810 915
368	610	710 810 915
400	710	810 915
460	710	810 915

Twiflex Disk Dimensions in mm		
ϕ M	S	Q
250	6	36
300	13	41
350	16	54
400	13	54
460	16	54
515	16	54
610	16	54
710	19	54
810	25	54
915	25	54

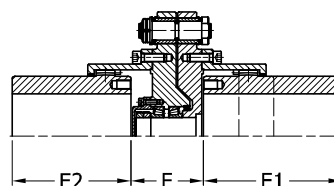
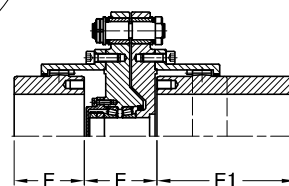
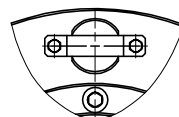
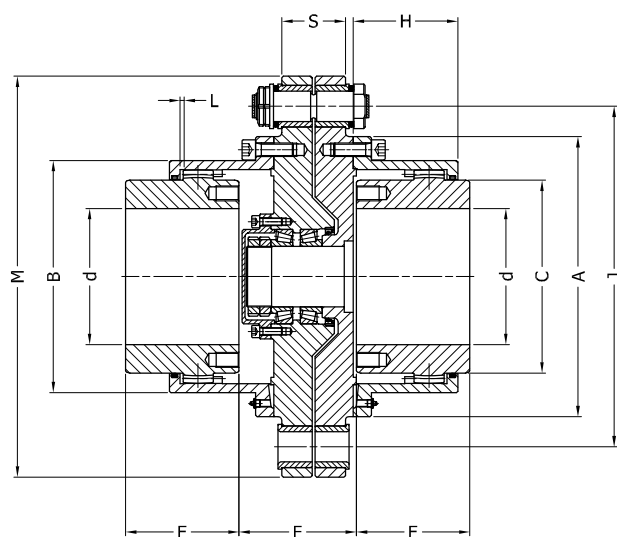


Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	E1	F	F1	P	H	L
dimensions in mm														
096	1.9	4.2	6000	52	111	82.5	68	43	105	S + 4	S + 6	0.5	39	1.5
122	2.9	6.8	4550	62	142	104.5	86	50	115	S + 4	S + 9	0.5	45.5	1.5
148	5.7	14	4000	78	168	130.5	105	62	130	S + 4	S + 15	0.5	59	1.5
178	9	21.5	3900	98	200	158.5	132	76	150	S + 7	S + 14	0.5	68.5	2.5
203	14.5	35	3700	112	225	183.5	151	90	170	S + 7	S + 26	0.5	82.5	2.5
236	22.8	54.7	3550	132	265	211.5	179	105	185	S + 8	S + 29	1	93	3
270	34.8	83.5	3000	156	300	245.5	209	120	215	S + 8	S + 34	1	106	3
300	45.8	110	2750	174	330	275	234	135	245	S + 11	S + 40	1	118	4
335	70.8	170	2420	190	370	307	255	150	295	S + 11	S + 53	1	138	4
368	85.4	205	2270	210	406	335	280	175	300	S + 11	S + 56	1	154	4
400	150	360	1950	233	439	367	306	190	305	S + 11	S + 61	1	166	4
460	200	480	1730	280	505	423	356	220	310	S + 14	S + 76	1	193	5

Note - Mass moment of Inertia (J) and Weight (m) apply to the coupling with maximum bores.



Gear Coupling type **FGC.SD**, **FGC.L.SD** and **FGC.LL.SD** with Shear Pin Cartridge



Shear Pin Diameter													
08	10	12	14	17	22	25	30	35	40	45	50	55	J
N													
20	25	30	35	40	50	60	70	80	90	100	110	110	120

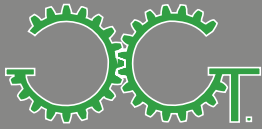
Diameter J = TF x 100 mm

Diameter M = J + N mm

Size FGC	Rated Torque	Maximum Torque	Maximum Speed	Maximum Bore											
	RTk	MTk	nk	d	A	B	C	E	E1	E2	F	Max M	Max S	H	L
	kNm	kNm	rpm	mm	dimensions in mm										
096	1.9	4.2	6000	52	111	82.5	68	43	105	103	85	170	34	39	1.5
122	2.9	6.8	4550	62	142	104.5	86	50	115	110	85	215	50	45.5	1.5
148	5.7	14	4000	78	168	130.5	105	62	130	119	100	250	50	59	1.5
178	9	21.5	3900	98	200	158.5	132	76	150	143	100	300	66	68.5	2.5
203	14.5	35	3700	112	225	183.5	151	90	170	151	110	340	66	82.5	2.5
236	22.8	54.7	3550	132	265	211.5	179	105	185	164	110	390	66	93	3
270	34.8	83.5	3000	156	300	245.5	209	120	215	189	140	450	84	106	3
300	45.8	110	2750	174	330	275	234	135	245	216	150	500	84	118	4
335	70.8	170	2420	190	370	307	255	150	295	253	150	560	105	138	4
368	85.4	205	2270	210	406	335	280	175	300	255	170	610	105	154	4
400	150	360	1950	233	439	367	306	190	305	255	170	640	105	166	4
460	200	480	1730	280	505	423	356	220	310	248	170	730	137	193	5

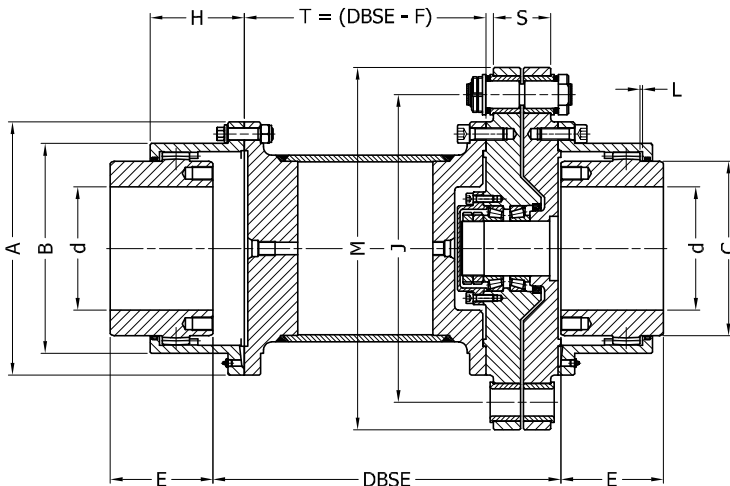
Note - Mass moment of inertia (J) and Weight (m) - On request.

For the selection of Shear-Pin types, see the table on page 8.



Gear Coupling type **FGC.T.SD**

Tubular Spacer Arrangement with Shear Pin Cartridge



Shear Pin Diameter													
08	10	12	14	17	22	25	30	35	40	45	50	55	J
N													
20	25	30	35	40	50	60	70	80	90	100	110	110	120

Diameter J = TF x 100 mm

Diameter M = J + N mm

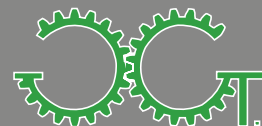
Example : SD Shear Pin Cartridge
with 2 Shear Pin Dia.40 name is SD40x2
with 3 Shear Pin Dia.40 name is SD40x3

Shear-Pin Cartridge Data	Shear Torque Range kNm on $\phi J = 100$	
	Min	Max
08	0.16	0.51
10	0.23	0.79
12	0.35	1.07
14	0.47	1.56
17	0.73	2.27
22	1.15	3.63
25	1.54	4.73
30	2.14	6.74
35	2.96	9.29
40	3.89	11.98
45	4.73	13.70
50	5.75	17.00
55	7.04	20.50
60	8.44	24.50

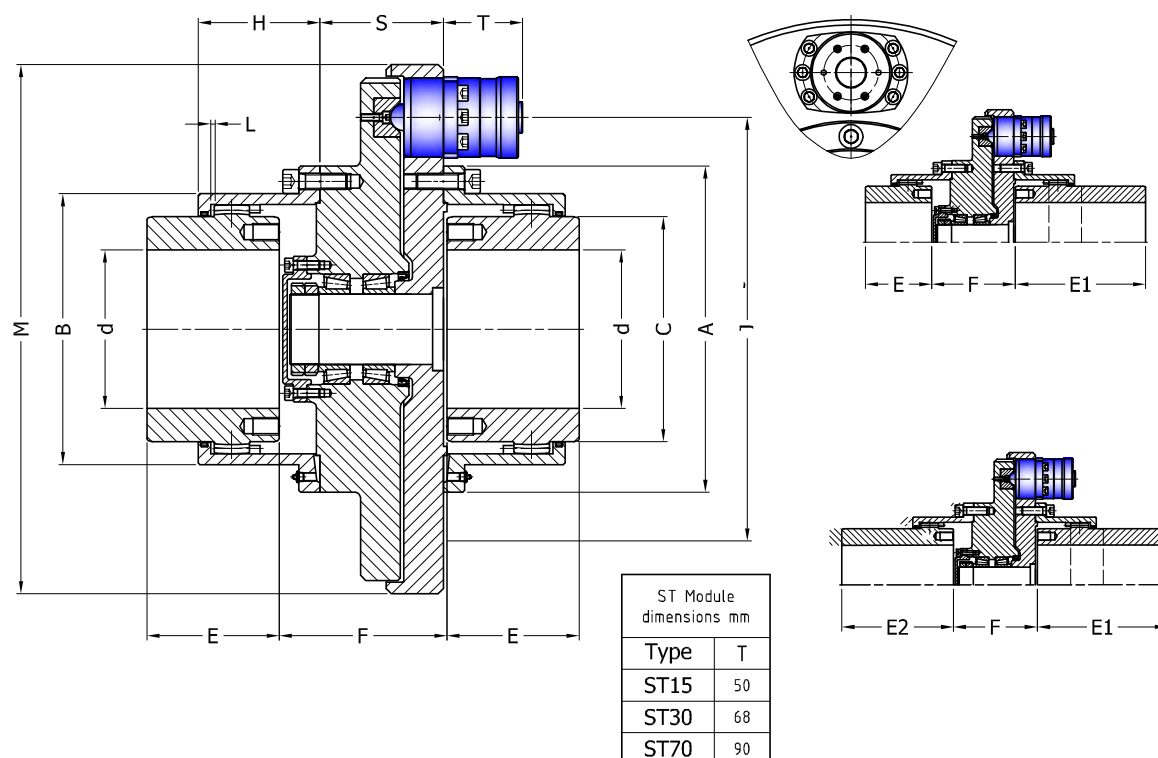
Size FGC	Rated Torque	Maximum Torque	Shear Pin Diameter															Minimum DBSE	Shear Torque Range with 2 Shear-Pins	
	RTk	MTk	08	10	12	14	17	22	25	30	35	40	45	50	55	60	Minimum		Maximum	
	kNm	kNm	Shear Torque Factor TF																mm	kNm
096	1.9	4.2	1.30	1.40	1.40												170	0.21	1.50	
122	2.9	6.8		1.70	1.70	1.80											180	0.39	2.81	
148	5.7	14			2.00	2.00	2.10										210	0.70	4.77	
178	9	21.5				2.30	2.30	2.50									210	1.08	9.08	
203	14.5	35					2.70	2.70	2.80								250	1.97	13.24	
236	22.8	54.7						3.10	3.20	3.20							290	3.56	21.57	
270	34.8	83.5						3.50	3.50	3.60	3.70						300	4.03	34.37	
300	45.8	110							3.80	3.90	4.00	4.10					320	5.85	49.12	
335	70.8	170								4.30	4.50	4.50	4.60				340	9.20	63.02	
368	85.4	205									4.80	4.80	5.00	5.00			390	14.21	85.00	
400	150	360										5.20	5.20	5.30	5.30		400	20.23	108.65	
460	200	480											5.90	6.00	6.00	6.10	450	27.91	149.45	

Note - Mass moment of inertia (J) and Weight (m) - On request.

For the missing dimensions, see the table on page 7.



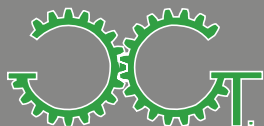
Gear Coupling type **FGC.ST, FGC.L.ST** and **FGC.LL.ST** with ST Module Cartridge



Size FGC	Rated Torque	Maximum Torque	Maximum Speed	Maximum Bore											Module Cartridge ST15		Module Cartridge ST30		Module Cartridge ST70	
	RTk kNm	MTk kNm	nk rpm	d mm	A	B	C	E	E1	E2	F	S	H	L	J	M	J	M	J	M
dimensions in mm																				
096	1.9	4.2	6000	52	111	82.5	68	43	105	103	100	95	39	1.5	160	210	190	280		
122	2.9	6.8	4550	62	142	104.5	86	50	115	110	100	92	45.5	1.5	190	240	220	310		
148	5.7	14	4000	78	168	130.5	105	62	130	119	130	116	59	1.5	220	270	250	340		
178	9	21.5	3900	98	200	158.5	132	76	150	143	130	118	68.5	2.5	250	300	280	370		
203	14.5	35	3700	112	225	183.5	151	90	170	151	140	116	82.5	2.5	270	320	300	390		
236	22.8	54.7	3550	132	265	211.5	179	105	185	164	140	113	93	3	310	360	340	430		
270	34.8	83.5	3000	156	300	245.5	209	120	215	189	170	138	106	3			380	470	400	520
300	45.8	110	2750	174	330	275	234	135	245	216	170	133	118	4			410	500	430	550
335	70.8	170	2420	190	370	307	255	150	295	253	180	130	138	4			450	540	470	590
368	85.4	205	2270	210	406	335	280	175	300	255	180	127	154	4			480	570	500	620
400	150	360	1950	233	439	367	306	190	305	255	210	152	166	4			520	610	540	660
460	200	480	1730	280	505	423	356	220	310	248	210	138	193	5			580	670	600	720

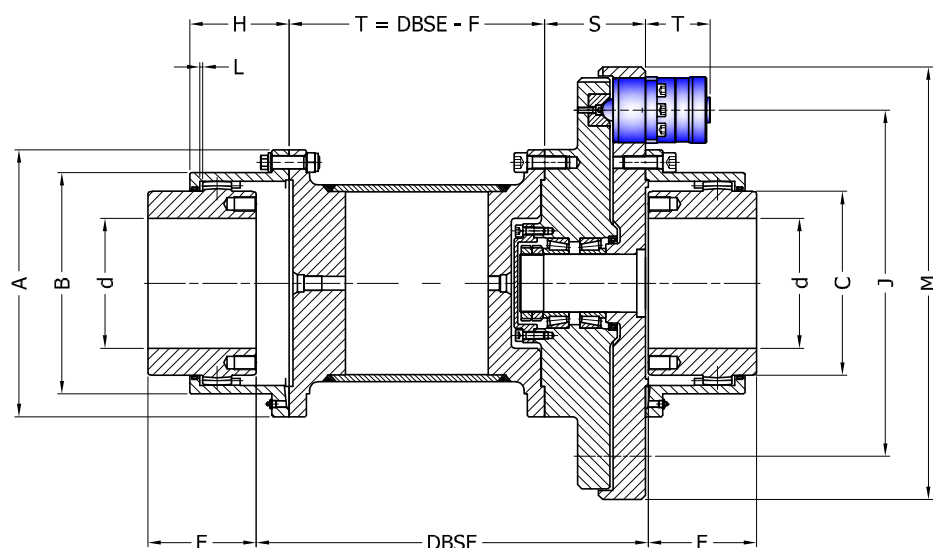
Note - Mass moment of inertia (J) and Weight (m) - On request.

For the selection of ST Module Cartridge and the missing dimensions, see the table on page 10.



Gear Coupling type **FGC.T.ST**

Tubular Spacer Arrangement with ST Module Cartridge



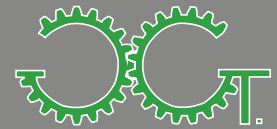
ST Module dimensions mm	
Type	T
ST15	50
ST30	68
ST70	90

Example : ST Module Cartridge
 with 2 modules ST70,3 name is: ST70.3x2
 with 3 modules ST70,3 name is: ST70.3x3 and so on.
 Min / Max Release Torque is obtained multiply the values in table
 below by 1.5 if 3 modules, by 2 if 4 modules, by 2.5 if 5 modules,
 by 3 if 6 modules and so on.

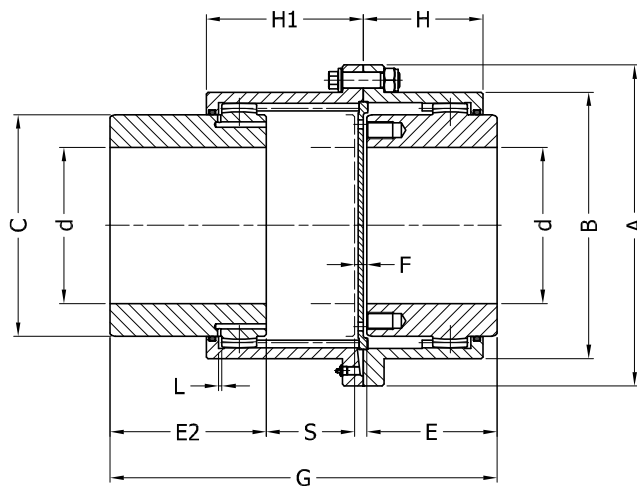
Size FGC	Rated Torque	Maximum Torque	ST Module Cartridge Types												Minimum DBSE
	RTk	MTk	J	15.1	15.2	15.3	J	30.1	30.2	30.3	J	70.1	70.2	70.3	
	kNm	kNm	Minimum / Maximum Release Torque kNm (with 2 St-Modules)												
096	1.9	4.2	160	0.16/0.64	0.32/1.28	0.96/3.20	190	0.95/1.90	1.90/3.80	3.80/6.65					220
122	2.9	6.8	190	0.19/0.76	0.38/1.52	1.14/3.80	220	1.10/2.20	2.20/4.40	4.40/7.70					230
148	5.7	14	220	0.22/0.88	0.44/1.76	1.32/4.40	250	1.25/2.50	2.50/5.00	5.00/8.75					260
178	9.0	21.5	250	0.25/1.00	0.50/2.00	1.50/5.00	280	1.40/2.80	2.80/5.60	5.60/9.80					260
203	14.5	35	270	0.27/1.08	0.54/2.16	1.62/5.40	300	1.50/3.00	3.00/6.00	6.0/10.5					300
236	22.8	54.7	310	0.31/1.24	0.62/2.48	1.86/6.20	340	1.70/3.40	3.40/6.80	6.8/11.9					340
270	34.8	83.5					380	1.90/3.80	3.80/7.60	7.6/13.3	400	3.20/8.00	6.00/16.0	12.0/28.0	350
300	45.8	110					410	2.05/4.10	4.10/8.20	8.2/14.3	430	3.44/8.60	6.45/17.2	12.9/30.1	370
335	70.8	170					450	2.25/4.50	4.50/9.00	9.0/15.7	470	3.76/9.40	7.05/18.4	14.1/32.9	390
368	85.4	205					480	2.40/4.80	4.80/9.60	9.6/16.8	500	4.00/10.0	7.50/20.0	15.0/35.0	440
400	150	360					520	2.60/5.20	5.2/10.4	10.4/18.2	540	4.32/10.8	8.10/21.6	16.2/37.8	450
460	200	480					580	2.90/5.80	5.8/11.6	11.6/20.3	600	4.80/12.0	9.00/24.0	18.0/42.0	500

Note - Mass moment of inertia (J) and Weight (m) - On request.

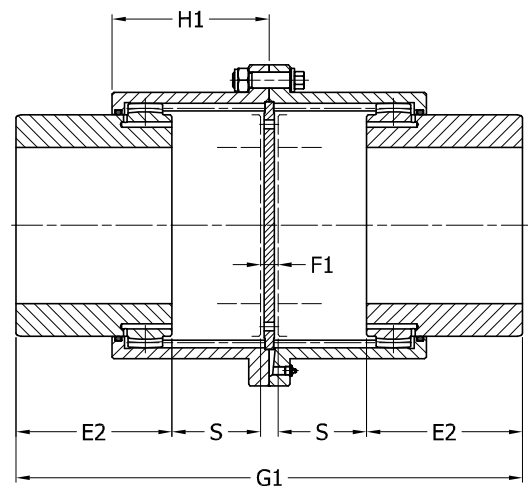
For the missing dimensions, see the table on page 9.



Gear Coupling type **FGC.SG** and **FGC.SGG** with Single / Double Slide Arrangements



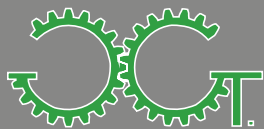
Type SG - Single Slide = S



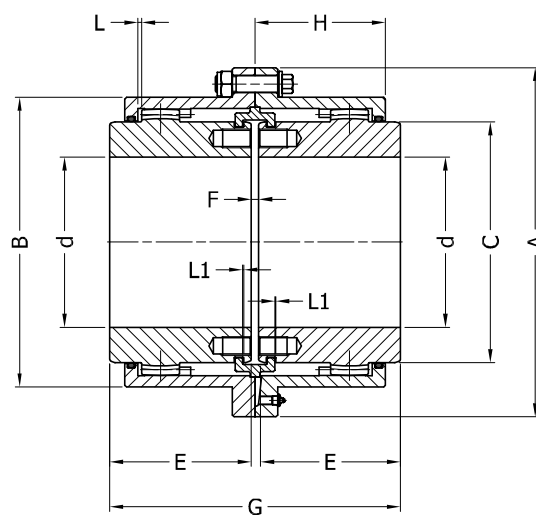
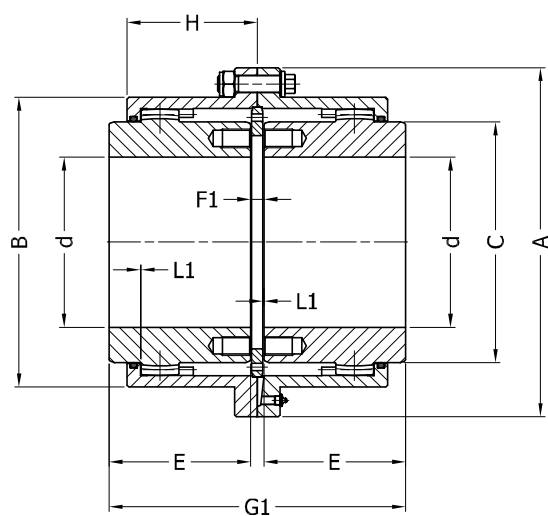
Type SGG - Double Slide = S + S

	Rated Torque	Maximum Torque	Maximum Speed	Maximum Bore														
Size FGC	RTk kNm	MTk kNm	nk rpm	d mm	A	B	C	E	E2	F	F1	G	G1	H	H1	L	S	
					dimensions in mm													
096	1.9	4.2	6000	52	111	82.5	68	43	100	7	11	212	335	39	92	1.5	62	
122	2.9	6.8	4550	62	142	104.5	86	50	102	7	11	221	339	45.5	98	1.5	62	
148	5.7	14	4000	78	168	130.5	105	62	110	7	11	243	359	59	106	1.5	64	
178	9	21.5	3900	98	200	158.5	132	76	122	8	11	278	399	68.5	119	2.5	72	
203	14.5	35	3700	112	225	183.5	151	90	130	8	11	300	415	82.5	122	2.5	72	
236	22.8	54.7	3550	132	265	211.5	179	105	144	10	14	339	462	93	137	3	80	
270	34.8	83.5	3000	156	300	245.5	209	120	156	10	14	374	502	106	151	3	88	
300	45.8	110	2750	174	330	275	234	135	162	14	20	399	520	118	158	4	88	
335	70.8	170	2420	190	370	307	255	150	180	14	20	446	584	138	181	4	102	
368	85.4	205	2270	210	406	335	280	175	220	14	20	539	720	154	213	4	130	
400	150	360	1950	233	439	367	306	190	220	14	20	554	720	166	217	4	130	
460	200	480	1730	280	505	423	356	220	210	16	22	556	662	193	209	5	110	

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling type FGC.SGG with maximum bores.

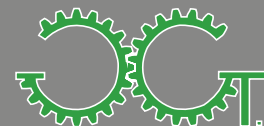


Gear Coupling type **FGC.LFA** and **FGC.LFB** with Limited End Float Arrangements

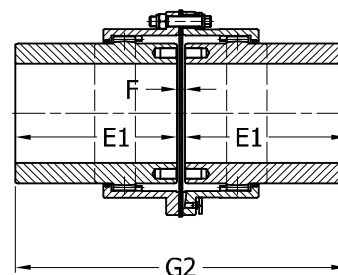
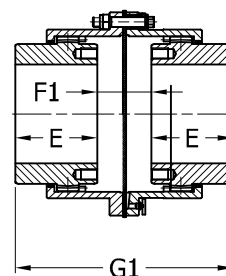
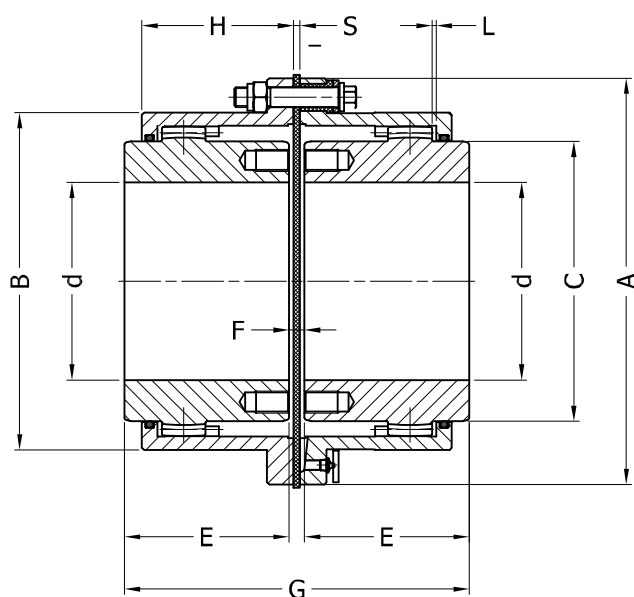


Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	F	F1	G	G1	H	L	L1
dimensions in mm															
096	1.9	4.2	6000	52	111	82.5	68	43	3	5	89	91	39	1.5	0.5
122	2.9	6.8	4550	62	142	104.5	86	50	3	5	103	105	45.5	1.5	0.5
148	5.7	14	4000	78	168	130.5	105	62	3	5	127	129	59	1.5	0.5
178	9	21.5	3900	98	200	158.5	132	76	5	9	157	161	68.5	2.5	0.5
203	14.5	35	3700	112	225	183.5	151	90	5	9	185	189	82.5	2.5	0.5
236	22.8	54.7	3550	132	265	211.5	179	105	6	10	216	220	93	3	1
270	34.8	83.5	3000	156	300	245.5	209	120	6	10	246	250	106	3	1
300	45.8	110	2750	174	330	275	234	135	8	14	278	284	118	4	1
335	70.8	170	2420	190	370	307	255	150	8	14	308	314	138	4	1
368	85.4	205	2270	210	406	335	280	175	8	14	358	356	154	4	1
400	150	360	1950	233	439	367	306	190	8	14	388	394	166	4	1
460	200	480	1730	280	505	423	356	220	10	18	450	458	193	5	1

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling type FGC.LFA and FGC.LFB with maximum bores.

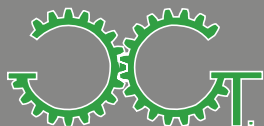


Gear Coupling type FGC.EI, FGC.EI.RR and FGC.EI.LL
with Electric Insulation Set of Disk and Bushes

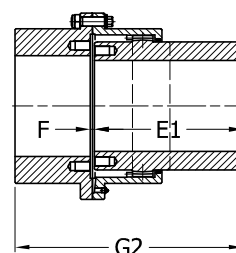
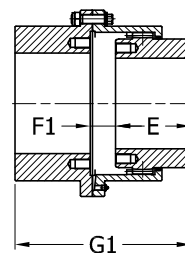
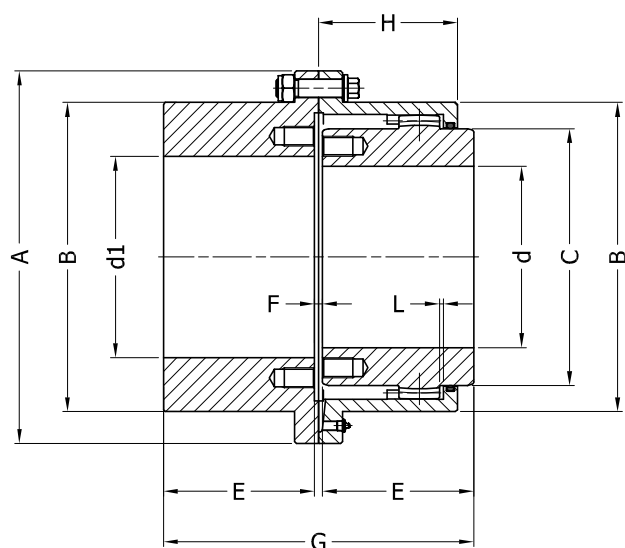


Size FGC	Rated Torque	Maximum Torque	Maximum Speed	Maximum Bore														
	RTk	MTk	nk	d	A	B	C	E	E1	F	F1	G	G1	G2	H	L	S	
	kNm	kNm	rpm	mm	dimensions in mm													
096	1.9	4.2	6000	52	111	82.5	68	43	105	7	11	93	97	217	39	1.5	4	
122	2.9	6.8	4550	62	142	104.5	86	50	115	7	17	107	117	237	45.5	1.5	4	
148	5.7	14	4000	78	168	130.5	105	62	130	7	29	131	153	267	59	1.5	4	
178	9	21.5	3900	98	200	158.5	132	76	150	9	23	161	188	309	68.5	2.5	4	
203	14.5	35	3700	112	225	183.5	151	90	170	9	47	189	227	349	82.5	2.5	4	
236	22.8	54.7	3550	132	265	211.5	179	105	185	10	52	220	262	380	93	3	4	
270	34.8	83.5	3000	156	300	245.5	209	120	215	11	63	251	303	441	106	3	5	
300	45.8	110	2750	174	330	275	234	135	245	13	71	283	341	503	118	4	5	
335	70.8	170	2420	190	370	307	255	150	295	13	97	313	397	603	138	4	5	
368	85.4	205	2270	210	406	335	280	175	300	13	103	363	453	613	154	4	5	
400	150	360	1950	233	439	367	306	190	305	13	113	393	493	623	166	4	5	
460	200	480	1730	280	505	423	356	220	310	15	139	455	579	635	193	5	5	

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling type FGC.EI with maximum bores.

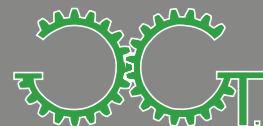


Gear Coupling type **RGC, RGC.R** and **RGC.L** with Rigid Hub for Floating Shaft Arrangement

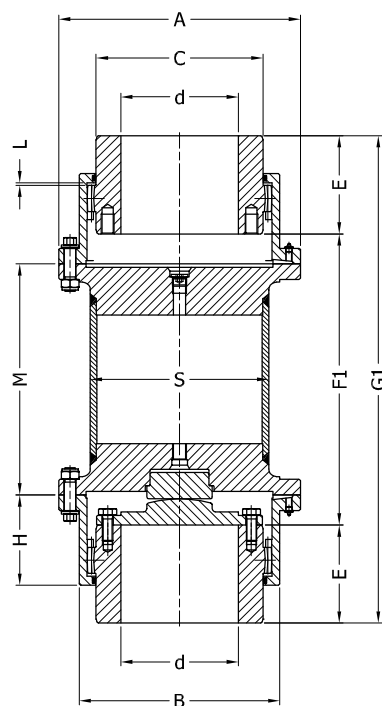
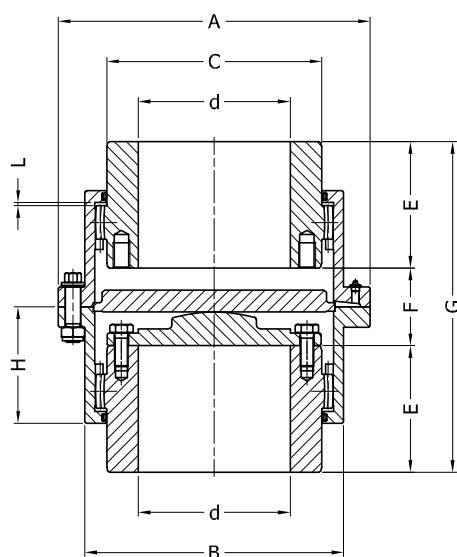


Size RGC	Rated Torque	Maximum Torque	Maximum Speed	Maximum Bore		dimensions in mm											
	RTk kNm	MTk kNm	nk rpm	d	d1 mm	A	B	C	E	E1	F	F1	G	G1	G2	H	L
096	1.9	4.2	6000	52	60	111	82.5	68	43	105	3	5	89	91	151	39	1.5
122	2.9	6.8	4550	62	75	142	104.5	86	50	115	3	8	103	108	168	45.5	1.5
148	5.7	14	4000	78	90	168	130.5	105	62	130	3	14	127	138	195	59	1.5
178	9	21.5	3900	98	110	200	158.5	132	76	150	5	12	157	170	231	68.5	2.5
203	14.5	35	3700	112	130	225	183.5	151	90	170	5	24	185	204	265	82.5	2.5
236	22.8	54.7	3550	132	150	265	211.5	179	105	185	6	27	216	237	296	93	3
270	34.8	83.5	3000	156	175	300	245.5	209	120	215	6	32	246	272	341	106	3
300	45.8	110	2750	174	195	330	275	234	135	245	8	37	278	307	388	118	4
335	70.8	170	2420	190	220	370	307	255	150	295	8	50	308	350	453	138	4
368	85.4	205	2270	210	240	406	335	280	175	300	8	53	358	403	483	154	4
400	150	360	1950	233	260	439	367	306	190	305	8	58	388	438	503	166	4
460	200	480	1730	280	300	505	423	356	220	310	10	72	450	512	540	193	5

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling type RGC with maximum bores.

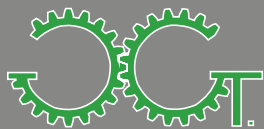


Gear Coupling type **FGC.V** and **FGC.T.V** for Vertical Shaft Arrangement



Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	F	Min F1	G	Min G1	H	L	Min M	S
dimensions in mm																
096	1.9	4.2	6000	52	111	82.5	68	43	23	23 + M	89	89 + M	39	1.5	200	82
122	2.9	6.8	4550	62	142	104.5	86	50	23	23 + M	103	103 + M	45.5	1.5	200	89
148	5.7	14	4000	78	168	130.5	105	62	31	31 + M	127	127 + M	59	1.5	200	127
178	9	21.5	3900	98	200	158.5	132	76	31	31 + M	157	157 + M	68.5	2.5	200	139
203	14.5	35	3700	112	225	183.5	151	90	43	43 + M	185	185 + M	82.5	2.5	200	168
236	22.8	54.7	3550	132	265	211.5	179	105	48	48 + M	216	216 + M	93	3	200	168
270	34.8	83.5	3000	156	300	245.5	209	120	58	58 + M	246	246 + M	106	3	200	219
300	45.8	110	2750	174	330	275	234	135	66	66 + M	278	278 + M	118	4	200	273
335	70.8	170	2420	190	370	307	255	150	92	92 + M	308	308 + M	138	4	250	273
368	85.4	205	2270	210	406	335	280	175	98	98 + M	358	358 + M	154	4	250	324
400	150	360	1950	233	439	367	306	190	108	108 + M	388	388 + M	166	4	250	355
460	200	480	1730	280	505	423	356	220	134	134 + M	450	450 + M	193	5	250	406

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.



Gear Coupling type **FGC.CS** with Continuous Sleeve

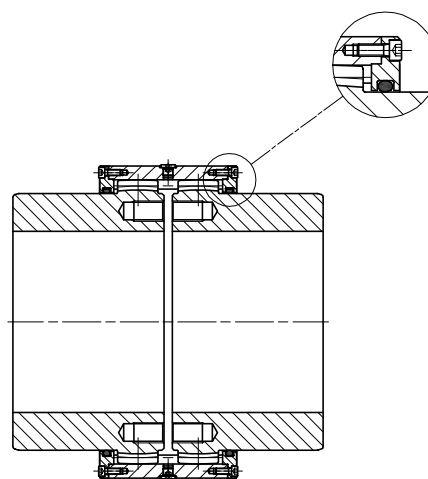
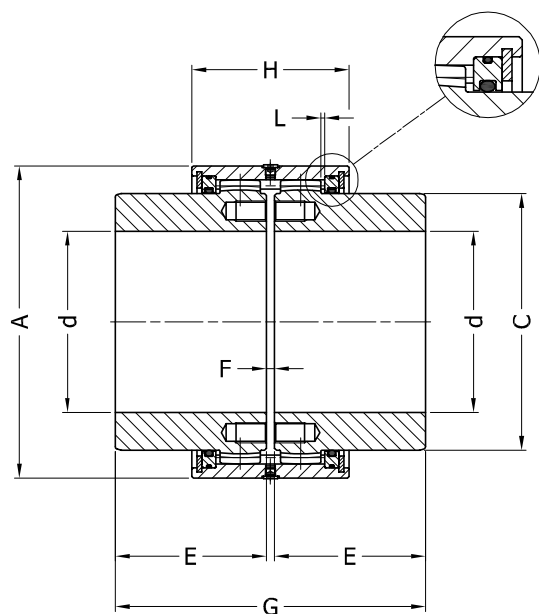
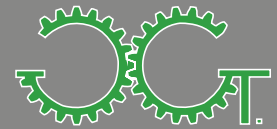


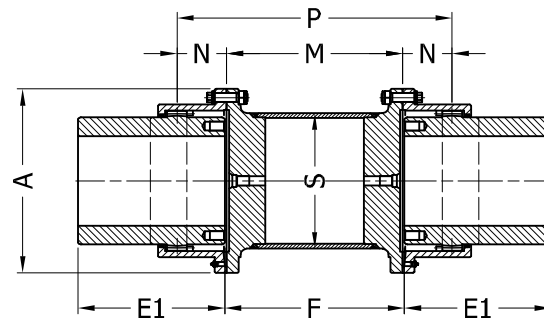
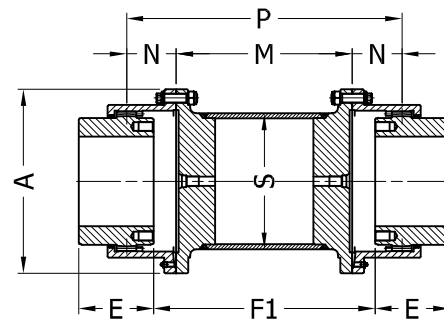
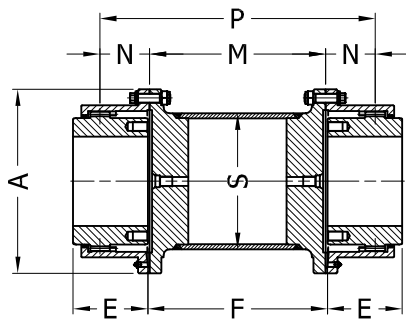
Fig.2 - Standard Version for Sizes 368 - 400 - 460

Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	C	E	F	G	H	L
dimensions in mm											
096	1.9	4.2	6000	52	88	68	43	3	89	63	1.5
122	2.9	6.8	4550	62	108	86	50	3	103	74	1.5
148	5.7	14	4000	78	133	105	62	3	127	89	1.5
178	9	21.5	3900	98	163	132	76	5	157	102	2.5
203	14.5	35	3700	112	188	151	90	5	185	108	2.5
236	22.8	54.7	3550	132	213	179	105	6	216	118	3
270	34.8	83.5	3000	156	248	209	120	6	246	130	3
300	45.8	110	2750	174	278	234	135	8	278	138	4
335	70.8	170	2420	190	313	255	150	8	308	156	4
368	85.4	205	2270	210	338	280	175	8	358	152	4
400	150	360	1950	233	368	306	190	8	388	160	4
460	200	480	1730	280	423	356	220	10	450	180	5

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

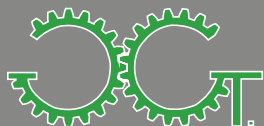


Spacer Coupling type **FGC.T**, **FGC.T.RR** and **FGC.T.LL** with Standard, Reversed and Long Hubs

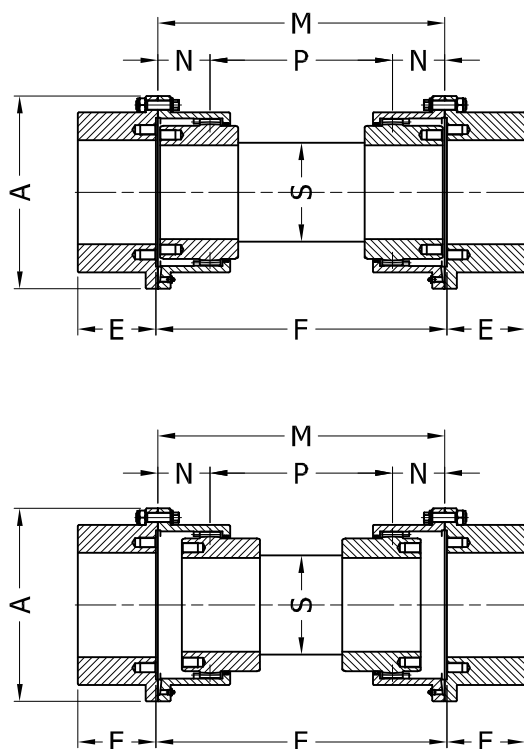


Size FGC	Rated Torque RTk kNm	Maximum Speed nk rpm	A	E	E1	Min F	Min F1	Min M	Min N	P	S	Weight m Spacer 100 mm pipe kg	
096	1.9	6000	111	43	105	3 + M	7 + M	200	24	248	82	7.11	1.47
122	2.9	4550	142	50	115	3 + M	13 + M	200	29	258	89	9.38	1.60
148	5.7	4000	168	62	130	3 + M	25 + M	200	38	276	127	16.80	2.35
178	9	3900	200	76	150	5 + M	19 + M	200	44	288	139	21.72	2.60
203	14.5	3700	225	90	170	5 + M	43 + M	200	57	314	168	30.31	3.90
236	22.8	3550	265	105	185	6 + M	48 + M	200	66	332	168	38.68	3.90
270	34.8	3000	300	120	215	6 + M	58 + M	200	76	352	219	56.17	5.16
300	45.8	2750	330	135	245	8 + M	66 + M	200	86	372	273	77.20	6.48
335	70.8	2420	370	150	295	8 + M	92 + M	250	100	450	273	98.00	6.48
368	85.4	2270	406	175	300	8 + M	98 + M	250	114	478	324	129.70	7.74
400	150	1950	439	190	305	8 + M	108 + M	250	124	498	355	152.81	8.52
460	200	1730	505	220	310	10 + M	134 + M	250	146	542	406	203.77	9.77

Note - Mass moment of inertia (J) and Weight (m) apply to the spacer at minimum length M, without half-couplings.

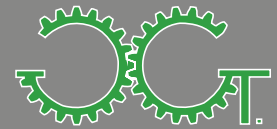


Floating Shaft Coupling type **FGC.S** and **FGC.S.R** with Standard and Reversed Hubs



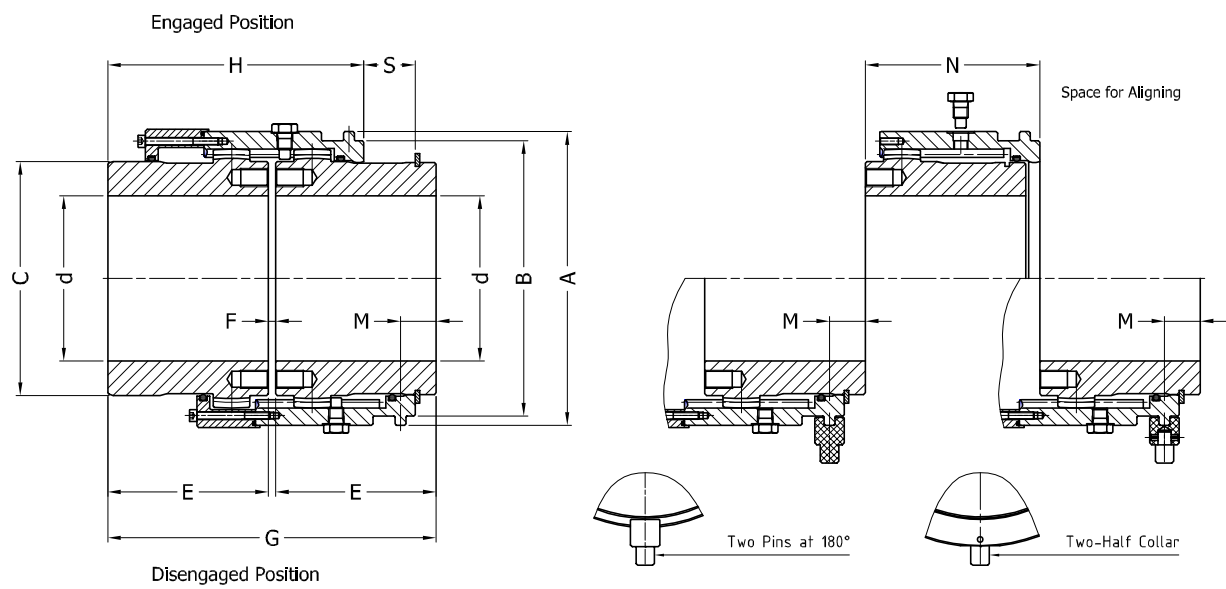
Size FGC	Rated Torque	Maximum Speed	Min							Weight	
	RTk kNm	nk rpm	A	E	F	M	N	P	S	Shaft	100 mm shaft
dimensions in mm											kg
096	1.9	6000	111	43	3 + M	150	24	102	82	7.11	1.47
122	2.9	4550	142	50	3 + M	180	29	122	89	9.38	1.60
148	5.7	4000	168	62	3 + M	220	38	144	127	16.80	2.35
178	9	3900	200	76	5 + M	250	44	162	139	21.72	2.60
203	14.5	3700	225	90	5 + M	320	57	206	168	30.31	3.90
236	22.8	3550	265	105	6 + M	380	66	248	168	38.68	3.90
270	34.8	3000	300	120	6 + M	440	76	288	219	56.17	5.16
300	45.8	2750	330	135	8 + M	500	86	328	273	77.20	6.48
335	70.8	2420	370	150	8 + M	560	100	360	273	98.00	6.48
368	85.4	2270	406	175	8 + M	640	114	412	324	129.70	7.74
400	150	1950	439	190	8 + M	700	124	452	355	152.81	8.52
460	200	1730	505	220	10 + M	800	146	508	406	203.77	9.77

Note - Mass moment of inertia (J) and Weight (m) apply to the floating shaft at minimum length M, without half-couplings.



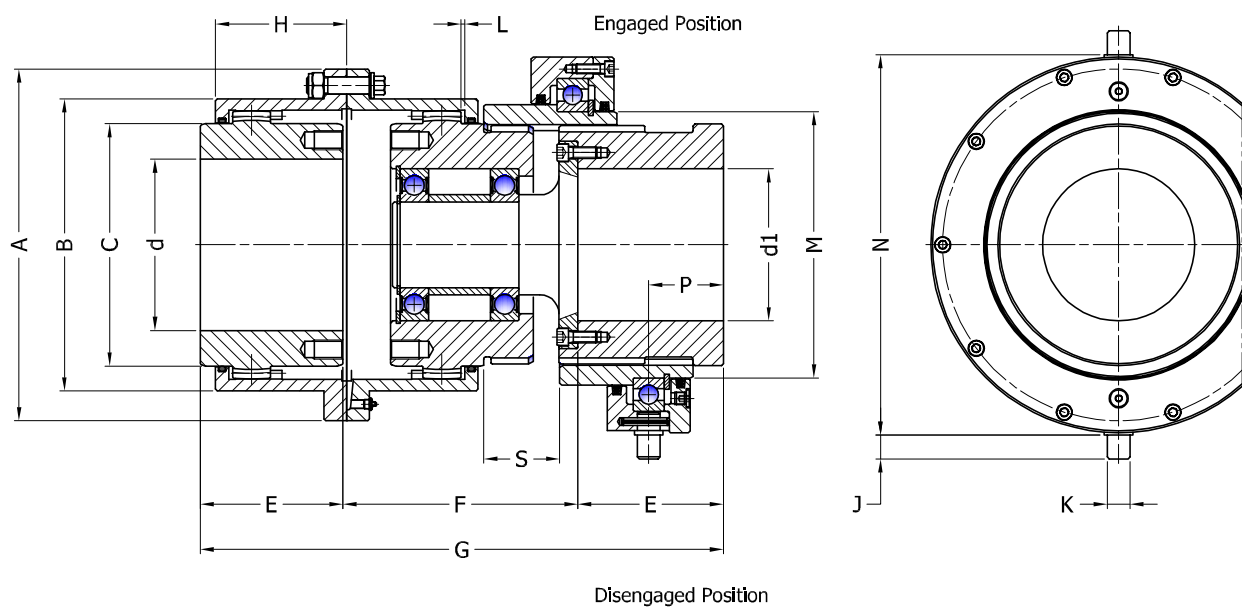
Gear Coupling type **FGC.DI.A**, **FGC.DI.B** and **FGC.DI.C**

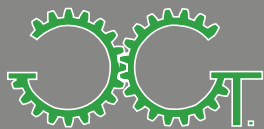
Disengageable Design - by Hand, by Pins, by Collar



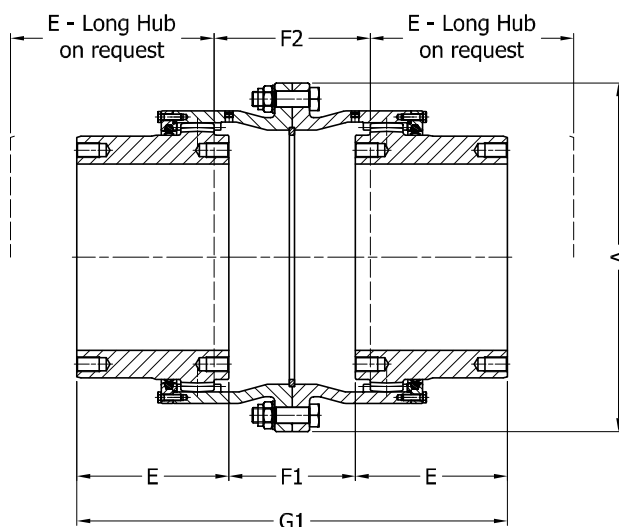
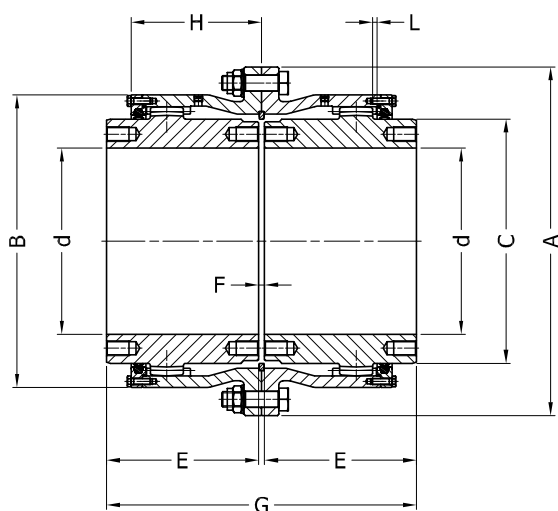
Gear Coupling type **FGC.DB**

Disengageable Design - Bearing Assembly



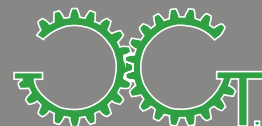


Gear Coupling type FGC, FGC.RR and FGC.LL - Heavy Duty Series
with Standard, Reversed and Long Hubs - Made in AISI 1045

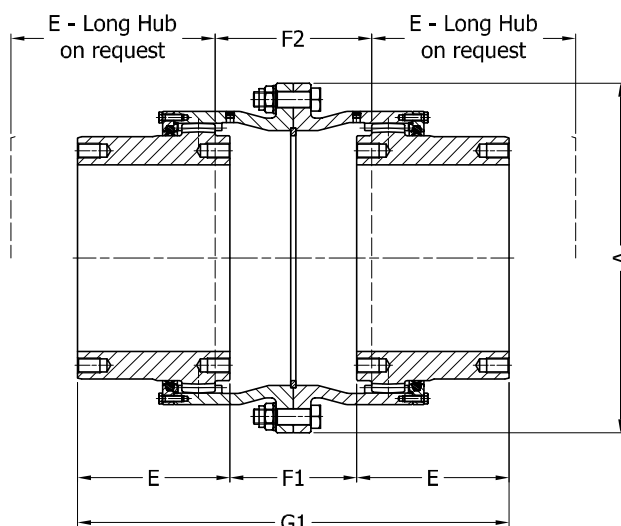
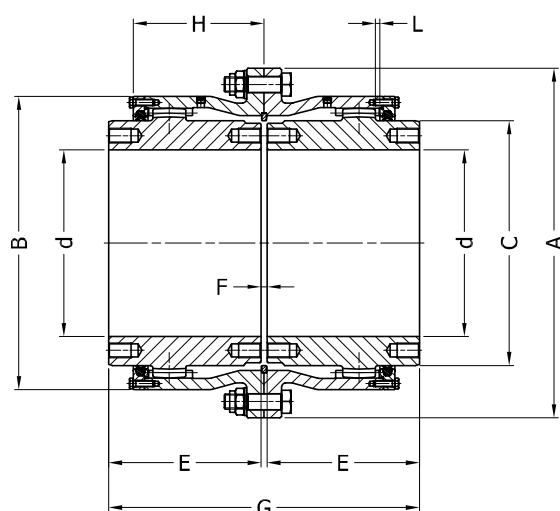


Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	F	F1	F2	G	G1	H	L	Weight m kg
					max dimensions in mm											
531	290	580	1100	325	590	503	410	260	12	196	256	532	716	221	9	722
581	402	804	990	370	639	553	460	290	12	228	288	592	808	245	9	972
636	518	1036	890	400	710	597	500	320	12	254	314	652	894	262	9	1292
696	693	1386	785	430	769	657	560	350	12	278	338	712	978	280	9	1695
762	882	1764	700	475	834	722	620	380	12	294	374	772	1054	292	9	2215
812	1040	2080	645	510	894	763	660	400	20	320	380	820	1120	315	15	2695
862	1255	5210	600	530	944	813	690	420	20	336	396	860	1176	327	15	3150
937	1633	3266	540	580	1020	888	760	440	20	358	418	900	1238	346	15	3950
997	1906	3812	500	610	1095	938	800	480	30	384	444	990	1344	385	22	4915
1097	2636	5272	440	680	1195	1038	880	530	30	426	486	1090	1486	414	22	6566
1242	3707	7414	380	780	1350	1173	1010	580	30	494	574	1190	1654	460	22	9420
1342	4662	9324	330	860	1450	1273	1110	630	40	556	616	1300	1816	507	30	12390
1477	6216	12432	300	950	1584	1408	1230	690	40	624	684	1420	2004	568	30	15904
1587	7539	15078	280	1020	1715	1508	1320	730	40	676	736	1500	2136	602	30	19631
1687	8925	17850	250	1090	1815	1608	1410	790	40	730	790	1620	2310	635	30	23543
1817	11130	22260	230	1180	1944	1738	1530	840	50	800	860	1730	2480	680	30	29572

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

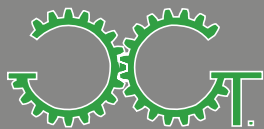


Gear Coupling type FGC.HD, FGC.HD.RR and FGC.HD.LL - Heavy Duty Series
with Standard, Reversed and Long Hubs - Made in AISI 4140



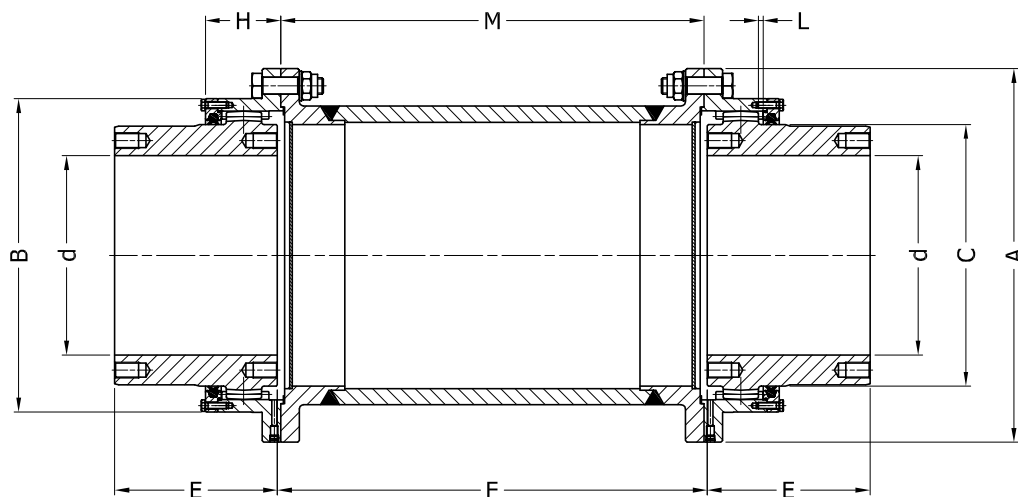
Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	F	F1	F2	G	G1	H	L	Weight m kg
					max dimensions in mm											
531	421	842	2000	325	590	503	410	260	12	196	256	532	716	221	9	722
581	570	1140	1750	370	639	553	460	290	12	228	288	592	808	245	9	972
636	757	1514	1600	400	710	597	500	320	12	254	314	652	894	262	9	1292
696	995	1990	1400	430	769	657	560	350	12	278	338	712	978	280	9	1695
762	1251	2502	1250	475	834	722	620	380	12	294	374	772	1054	292	9	2215
812	1505	3010	1200	510	894	763	660	400	20	320	380	820	1120	315	15	2695
862	1820	3640	1100	530	944	813	690	420	20	336	396	860	1176	327	15	3150
937	2360	4720	1000	580	1020	888	760	440	20	358	418	900	1238	346	15	3950
997	2780	5560	950	610	1095	938	800	480	30	384	444	990	1344	385	22	4915
1097	3910	7820	850	680	1195	1038	880	530	30	426	486	1090	1486	414	22	6566
1242	5490	10980	700	780	1350	1173	1010	580	30	494	574	1190	1654	460	22	9420
1342	6890	13780	650	860	1450	1273	1110	630	40	556	616	1300	1816	507	30	12390
1477	9275	18550	600	950	1584	1408	1230	690	40	624	684	1420	2004	568	30	15904
1587	10865	21730	550	1020	1715	1508	1320	730	40	676	736	1500	2136	602	30	19631
1687	13540	26900	500	1090	1815	1608	1410	790	40	730	790	1620	2310	635	30	23543
1817	16900	33800	450	1180	1944	1738	1530	840	50	800	860	1730	2480	680	30	29572

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.



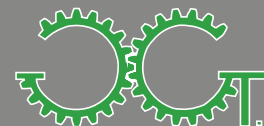
Spacer Coupling type **FGC.T** - Heavy Duty Series

with Standard and Long Hubs (on request) - Made in AISI 1045



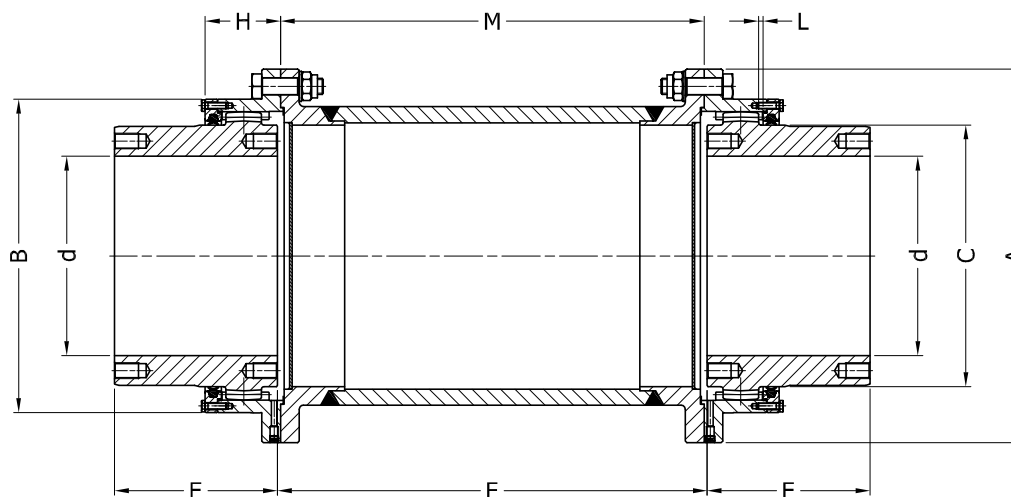
Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	min F	min M	H	L
dimensions in mm												
531	290	580	1100	325	590	503	410	260	12 + M	300	129	9
581	402	804	990	370	639	553	460	290	12 + M	320	137	9
636	518	1036	890	400	710	597	500	320	12 + M	340	141	9
696	693	1386	785	430	769	657	560	350	12 + M	370	147	9
762	882	1764	700	475	834	722	620	380	12 + M	390	151	9
812	1040	2080	645	510	894	763	660	400	20 + M	410	165	15
862	1255	5210	600	530	944	813	690	420	20 + M	430	169	15
937	1633	3266	540	580	1020	888	760	440	20 + M	450	177	15
997	1906	3812	500	610	1095	938	800	480	30 + M	470	208	22
1097	2636	5272	440	680	1195	1038	880	530	30 + M	520	216	22
1242	3707	7414	380	780	1350	1173	1010	580	30 + M	580	228	22
1342	4662	9324	330	860	1450	1273	1110	630	40 + M	650	249	30
1477	6216	12432	300	950	1584	1408	1230	690	40 + M	720	276	30
1587	7539	15078	280	1020	1715	1508	1320	730	40 + M	770	284	30
1687	8925	17850	250	1090	1815	1608	1410	790	40 + M	820	290	30
1817	11130	22260	230	1180	1944	1738	1530	840	40 + M	890	300	30

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.



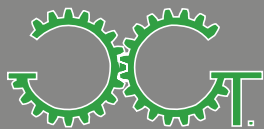
Spacer Coupling type **FGC.T.HD** - Heavy Duty Series

with Standard and Long Hubs (on request) - Made in AISI 4140

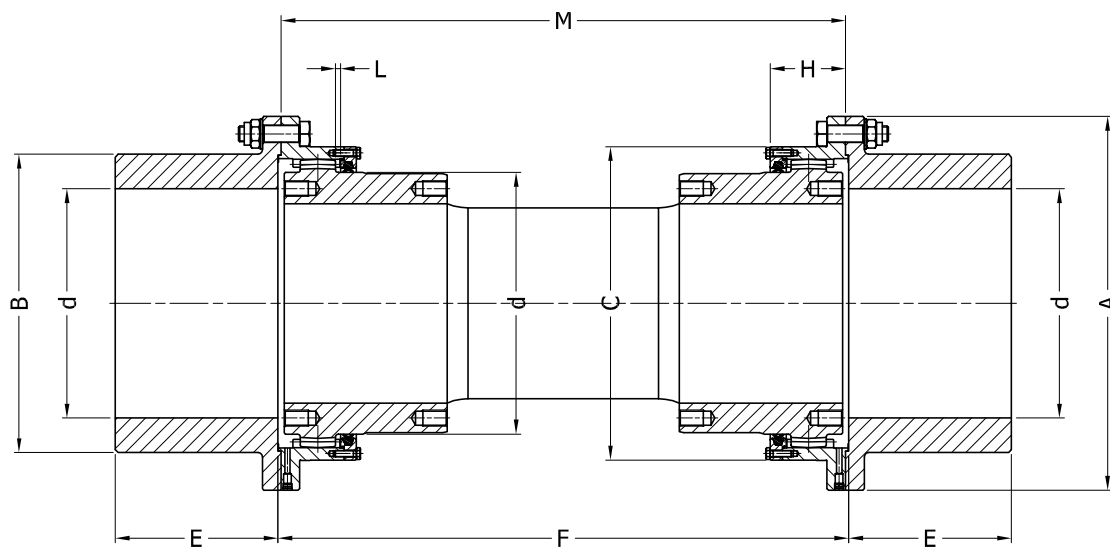


Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	min F	min M	H	L
dimensions in mm												
531	421	842	2000	325	590	503	410	260	12 + M	300	129	9
581	570	1140	1750	370	639	553	460	290	12 + M	320	137	9
636	757	1514	1600	400	710	597	500	320	12 + M	340	141	9
696	995	1990	1400	430	769	657	560	350	12 + M	370	147	9
762	1251	2502	1250	475	834	722	620	380	12 + M	390	151	9
812	1505	3010	1200	510	894	763	660	400	20 + M	410	165	15
862	1820	3640	1100	530	944	813	690	420	20 + M	430	169	15
937	2360	4720	1000	580	1020	888	760	440	20 + M	450	177	15
997	2780	5560	950	610	1095	938	800	480	30 + M	470	208	22
1097	3910	7820	850	680	1195	1038	880	530	30 + M	520	216	22
1242	5490	10980	700	780	1350	1173	1010	580	30 + M	580	228	22
1342	6890	13780	650	860	1450	1273	1110	630	40 + M	650	249	30
1477	9275	18550	600	950	1584	1408	1230	690	40 + M	720	276	30
1587	10865	21730	550	1020	1715	1508	1320	730	40 + M	770	284	30
1687	13540	26900	500	1090	1815	1608	1410	790	40 + M	820	290	30
1817	16900	33800	450	1180	1944	1738	1530	840	40 + M	890	300	30

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

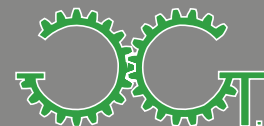


Floating Shaft Coupling type **FGC.S** - Heavy Duty Series - Made in AISI 1045

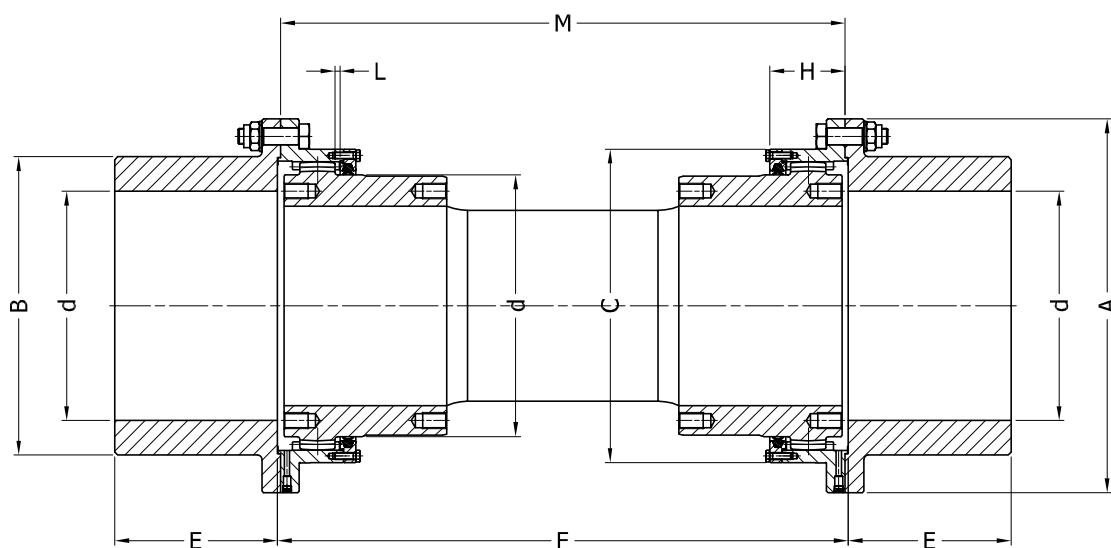


Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	min F	min M	H	L
dimensions in mm												
531	290	580	1100	325	590	503	410	260	12 + M	300	129	9
581	402	804	990	370	639	553	460	290	12 + M	320	137	9
636	518	1036	890	400	710	597	500	320	12 + M	340	141	9
696	693	1386	785	430	769	657	560	350	12 + M	370	147	9
762	882	1764	700	475	834	722	620	380	12 + M	390	151	9
812	1040	2080	645	510	894	763	660	400	20 + M	410	165	15
862	1255	5210	600	530	944	813	690	420	20 + M	430	169	15
937	1633	3266	540	580	1020	888	760	440	20 + M	450	177	15
997	1906	3812	500	610	1095	938	800	480	30 + M	470	208	22
1097	2636	5272	440	680	1195	1038	880	530	30 + M	520	216	22
1242	3707	7414	380	780	1350	1173	1010	580	30 + M	580	228	22
1342	4662	9324	330	860	1450	1273	1110	630	40 + M	650	249	30
1477	6216	12432	300	950	1584	1408	1230	690	40 + M	720	276	30
1587	7539	15078	280	1020	1715	1508	1320	730	40 + M	770	284	30
1687	8925	17850	250	1090	1815	1608	1410	790	40 + M	820	290	30
1817	11130	22260	230	1180	1944	1738	1530	840	40 + M	890	300	30

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

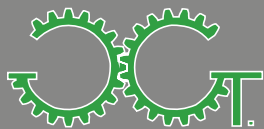


Floating Shaft Coupling type **FGC.S.HD** - Heavy Duty Series - Made in AISI 4140



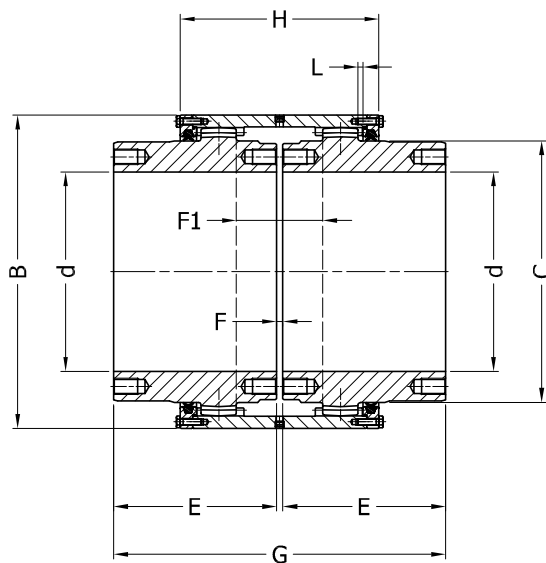
Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	A	B	C	E	F	M	H	L
					min min dimensions in mm							
531	421	842	2000	325	590	503	410	260	12 + M	300	129	9
581	570	1140	1750	370	639	553	460	290	12 + M	320	137	9
636	757	1514	1600	400	710	597	500	320	12 + M	340	141	9
696	995	1990	1400	430	769	657	560	350	12 + M	370	147	9
762	1251	2502	1250	475	834	722	620	380	12 + M	390	151	9
812	1505	3010	1200	510	894	763	660	400	20 + M	410	165	15
862	1820	3640	1100	530	944	813	690	420	20 + M	430	169	15
937	2360	4720	1000	580	1020	888	760	440	20 + M	450	177	15
997	2780	5560	950	610	1095	938	800	480	30 + M	470	208	22
1097	3910	7820	850	680	1195	1038	880	530	30 + M	520	216	22
1242	5490	10980	700	780	1350	1173	1010	580	30 + M	580	228	22
1342	6890	13780	650	860	1450	1273	1110	630	40 + M	650	249	30
1477	9275	18550	600	950	1584	1408	1230	690	40 + M	720	276	30
1587	10865	21730	550	1020	1715	1508	1320	730	40 + M	770	284	30
1687	13540	26900	500	1090	1815	1608	1410	790	40 + M	820	290	30
1817	16900	33800	450	1180	1944	1738	1530	840	40 + M	890	300	30

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.



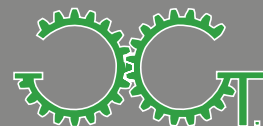
Gear Coupling type **FGC.CS** - Heavy Duty Series

Continuous Sleeve Design and Long Hubs (on request) - Made in AISI 1045

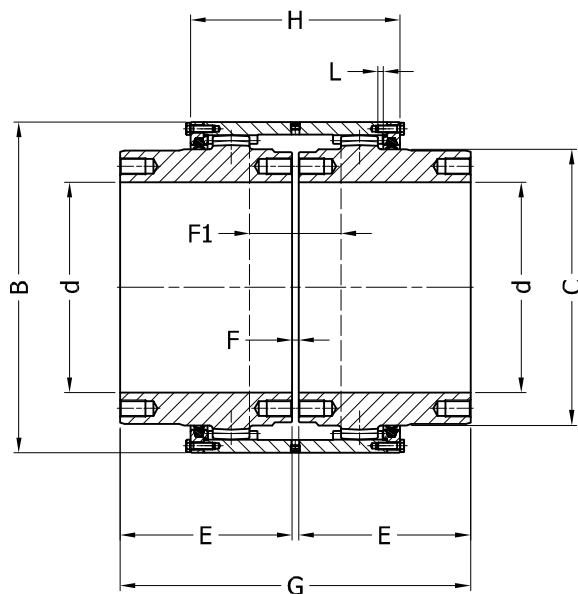


Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	max dimensions in mm								
					B	C	E	F	F1	G	H	L	
531	290	580	1100	325	503	410	260	12	132	532	318	9	
581	402	804	990	370	553	460	290	12	148	592	350	9	
636	518	1036	890	400	597	500	320	12	162	652	372	9	
696	693	1386	785	430	657	560	350	12	174	712	396	9	
762	882	1764	700	475	722	620	380	12	182	772	412	9	
812	1040	2080	645	510	763	660	400	20	196	820	446	15	
862	1255	5210	600	530	813	690	420	20	204	860	462	15	
937	1633	3266	540	580	888	760	440	20	214	900	488	15	
997	1906	3812	500	610	938	800	480	30	220	990	546	22	
1097	2636	5272	440	680	1038	880	530	30	226	1090	568	22	
1242	3707	7414	380	780	1173	1010	580	30	252	1190	618	22	
1342	4662	9324	330	860	1273	1110	630	40	276	1300	674	30	
1477	6216	12432	300	950	1408	1230	690	40	298	1420	750	30	
1587	7539	15078	280	1020	1508	1320	730	40	314	1500	782	30	
1687	8925	17850	250	1090	1608	1410	790	40	330	1620	810	30	
1817	11130	22260	230	1180	1738	1530	840	50	350	1730	850	30	

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

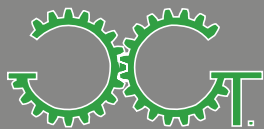


Gear Coupling type **FGC.CS.HD** - Heavy Duty Series - Made in AISI 4140
Continuous Sleeve Design and Long Hubs (on request)

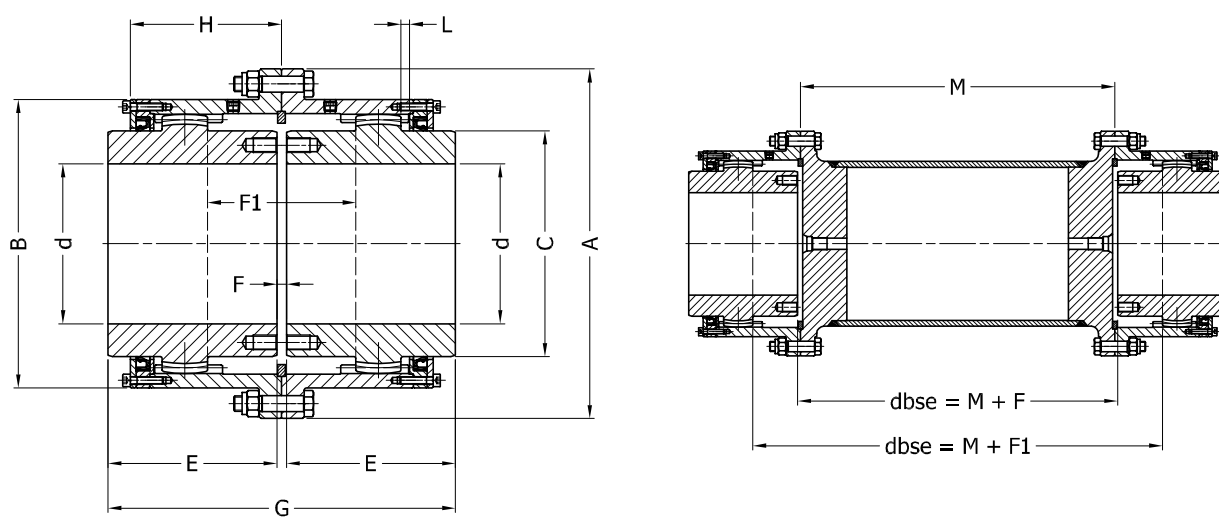


Size FGC	Rated Torque RTk kNm	Maximum Torque MTk kNm	Maximum Speed nk rpm	Maximum Bore d mm	max dimensions in mm							
					B	C	E	F	F1	G	H	L
531	421	842	2000	325	503	410	260	12	132	532	318	9
581	570	1140	1750	370	553	460	290	12	148	592	350	9
636	757	1514	1600	400	597	500	320	12	162	652	372	9
696	995	1990	1400	430	657	560	350	12	174	712	396	9
762	1251	2502	1250	475	722	620	380	12	182	772	412	9
812	1505	3010	1200	510	763	660	400	20	196	820	446	15
862	1820	3640	1100	530	813	690	420	20	204	860	462	15
937	2360	4720	1000	580	888	760	440	20	214	900	488	15
997	2780	5560	950	610	938	800	480	30	220	990	546	22
1097	3910	7820	850	680	1038	880	530	30	226	1090	568	22
1242	5490	10980	700	780	1173	1010	580	30	252	1190	618	22
1342	6890	13780	650	860	1273	1110	630	40	276	1300	674	30
1477	9275	18550	600	950	1408	1230	690	40	298	1420	750	30
1587	10865	21730	550	1020	1508	1320	730	40	314	1500	782	30
1687	13540	26900	500	1090	1608	1410	790	40	330	1620	810	30
1817	16900	33800	450	1180	1738	1530	840	50	350	1730	850	30

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

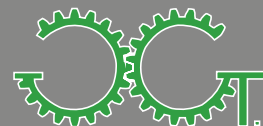


Gear Coupling type **FGC.2** and **FGC.2.T** for Angular Misalignment up to 2°

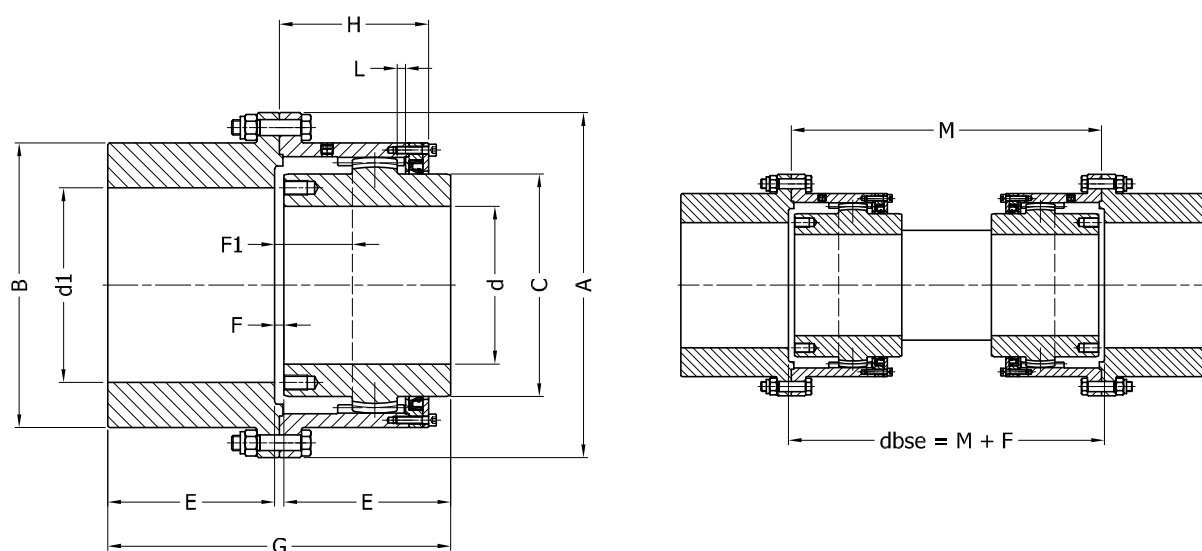


Size FGC	Rated Torque	Maximum Torque	Maximum Speed	Maximum Bore										
	RTk kNm	MTk kNm	nk rpm	d mm	A	B	C	E	F	F1	G	M	H	L
max min dimensions in mm														
172	15.5	23.3	7120	75	194	152	105	90	10	64	190	100	88	6
196	24.5	36.8	5760	90	218	176	128	105	10	82	220	110	101	6
220	36.5	54	4820	105	242	200	152	120	10	98	250	120	113	6
252	60	90	4110	120	276	230	170	135	10	110	280	140	126	9
290	90	135	3360	145	314	268	206	155	10	130	320	160	142	9
334	130	195	2850	170	366	307	242	180	10	148	370	180	157	9
380	208	312	2410	195	412	353	274	200	20	150	420	200	187	12
430	298	447	2030	230	462	403	322	230	20	172	480	230	206	12
496	424	636	1750	260	546	453	370	250	20	194	520	250	225	12
562	632	948	1490	300	612	523	420	280	30	202	590	280	250	15
624	866	1299	1290	340	674	585	480	310	30	228	650	310	271	15
686	1154	1732	1130	380	736	647	540	340	30	252	710	340	291	15

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

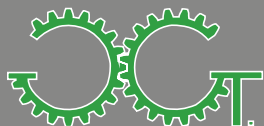


Gear Coupling type **RGC.2** and **RGC.2.S** for Angular Misalignment up to 2°

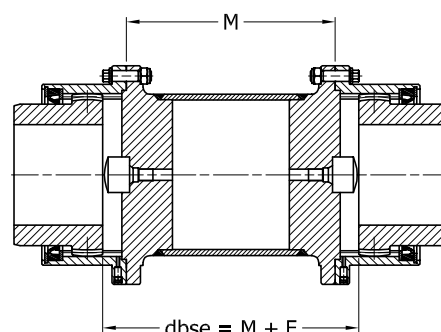
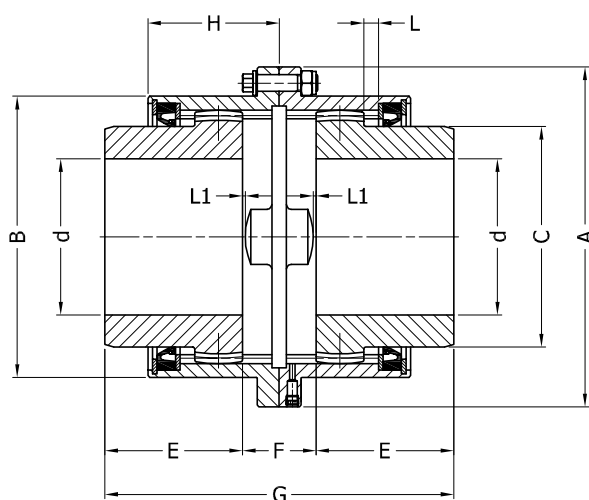


Size RGC	Rated Torque	Maximum Torque	Maximum Speed	Maximum Bore											
	RTk kNm	MTk kNm	nk rpm	d mm	d1 mm	A	B	C	E	F	F1	G	M	H	L
max min															
dimensions in mm															
172	15.5	23.3	7120	75	100	194	152	105	90	10	37	190	280	88	6
196	24.5	36.8	5760	90	120	218	176	128	105	10	46	220	320	101	6
220	36.5	54	4820	105	135	242	200	152	120	10	54	250	370	113	6
252	60	90	4110	120	155	276	230	170	135	10	60	280	420	126	9
290	90	135	3360	145	185	314	268	206	155	10	70	320	480	142	9
334	130	195	2850	170	210	366	307	242	180	10	79	370	560	157	9
380	208	312	2410	195	240	412	353	274	200	20	85	420	620	187	12
430	298	447	2030	230	280	462	403	322	230	20	96	480	710	206	12
496	424	636	1750	260	320	546	453	370	250	20	107	520	770	225	12
562	632	948	1490	300	360	612	523	420	280	30	116	590	870	250	15
624	866	1299	1290	340	410	674	585	480	310	30	129	650	960	271	15
686	1154	1732	1130	380	450	736	647	540	340	30	141	710	1050	291	15

Note - Mass moment of inertia (J) and Weight (m) apply to the coupling with maximum bores.

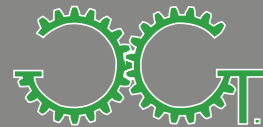


Gear Coupling type **FGC.3** for Angular Misalignment up to 3°
and **FGC.6** for Angular Misalignment up to 6°



	series FGC.3		series FGC.6																		
Size FGC	Rated Torque	Maximum Torque	Rated Torque	Maximum Torque	Maximum Speed	Maximum Bore															min
	RTk	MTk	RTk	MTk	nk	d	d1	A	B	C	E	F	F1	G	G1	H	H1	L	L1	M	
	kNm	kNm	kNm	kNm	rpm	mm	mm	dimensions in mm													
122	4.1	8.2	2.6	5.2	3300	44	50	142	104	65	55	45	24	155	134	66	122	6	1	200	
148	10.5	21.0	6.1	12.2	2400	55	60	168	130	85	70	49	26	189	166	78	149	7	1	200	
178	16.5	33	9.5	19	1850	70	75	200	158	105	80	51	28	211	188	89	171	9	2	200	
203	30	60	18	36	1550	90	110	225	183	130	90	59	32	239	212	98	190	10	2	200	
236	40	80	24	48	1320	100	130	265	211	145	105	62	34	272	244	110	218	11	3	200	
270	73	146	44	88	1110	125	150	300	245	180	120	74	40	314	280	127	250	13	3	200	
300	105	210	62	124	970	135	170	330	275	210	135	78	43	348	313	136	275	14	3	200	
335	136	272	78	156	870	150	190	370	307	240	150	80	44	380	344	143	297	16	3	250	
368	170	340	92	184	780	170	210	406	335	260	175	96	52	446	402	162	341	18	3	250	
400	235	470	143	286	700	190	230	439	367	280	190	100	54	480	434	176	370	20	4	250	
460	280	560	158	316	580	230	275	505	423	330	220	94	52	534	492	185	410	22	4	250	

Note - Mass moment of inertia (J) and Weight (m) on request.
For other designs of series, see at page 33.



Gear Coupling type **SGC.3.R** and **SGC.3.S** for Angular Misalignment up to 3°
and **SGC.6.R** and **SGC.6.S** for Angular Misalignment up to 6°

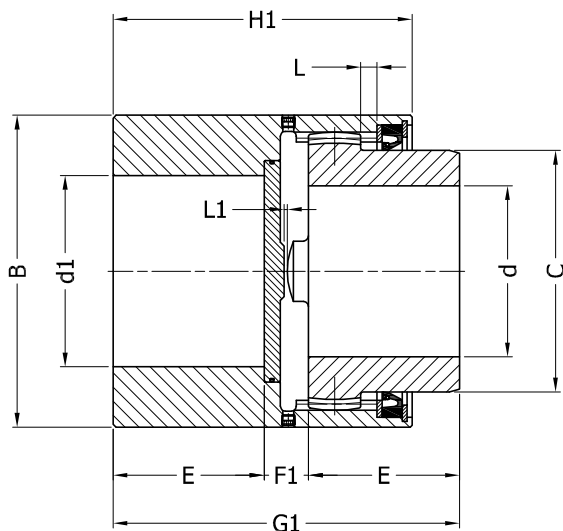


Fig.3 - Example : size 335
Gear Coupling SGC-335.3.R
Gear Coupling SGC-335.6.R

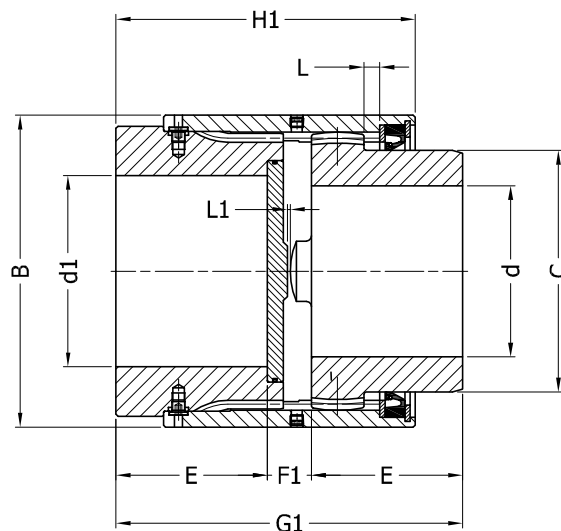


Fig.4 - Example : size 335
Gear Coupling SGC-335.3.S
Gear Coupling SGC-335.6.S

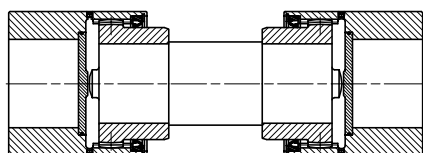


Fig.5 - Example : size 335
Floating Shaft Coupling SGC-335.3.RR
Floating Shaft Coupling SGC-335.6.RR

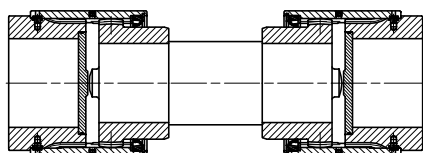


Fig.6 - Example : size 335
Floating Shaft Coupling SGC-335.3.SS
Floating Shaft Coupling SGC-335.6.SS

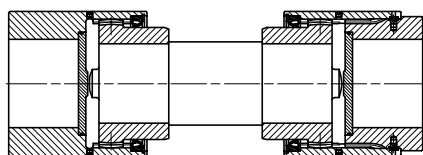


Fig.7 - Example : size 335
Floating Shaft Coupling SGC-335.3.RS
Floating Shaft Coupling SGC-335.6.RS



Fig.8 - Fully closed plugs, allow free axial sliding sleeve.

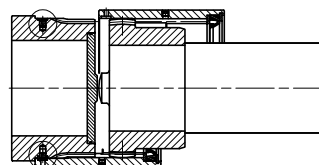
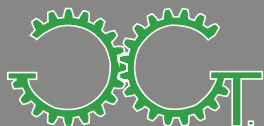


Fig.9 - Fully opened plugs, retain stopped sleeve on the hub.

Note - Mass moment of inertia (J) and Weight (m) on request.
For the missing dimensions, see the table on page 33.



Gear Coupling type **DGC** for Cranes

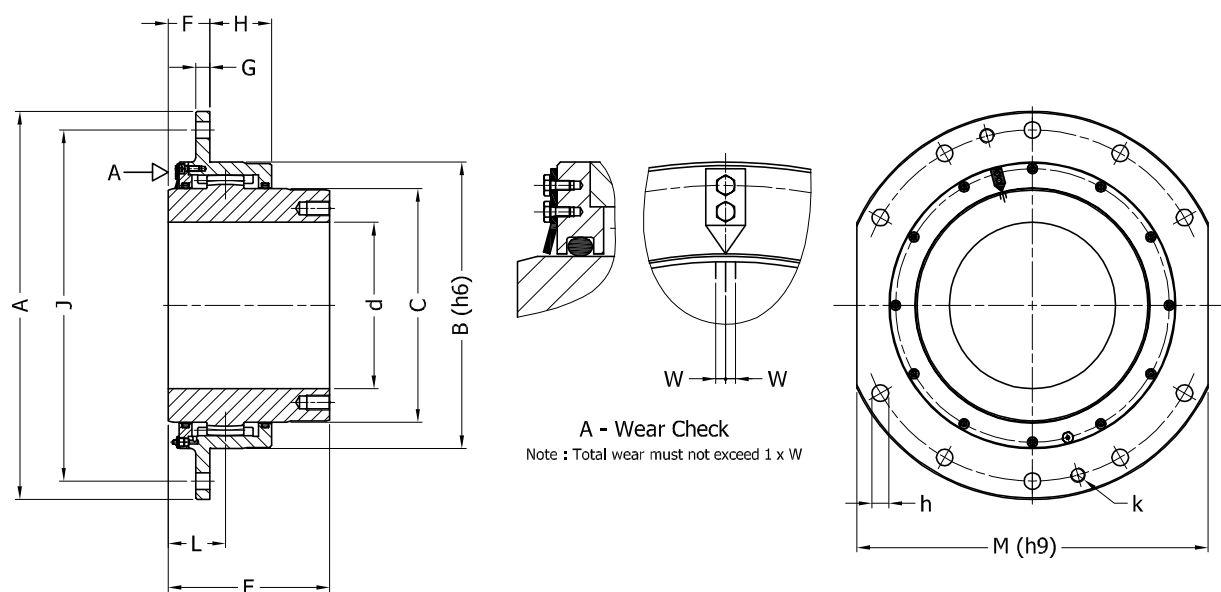
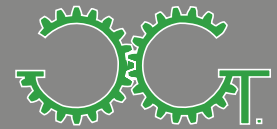


Fig.1 - Example : size 380
Gear Coupling DGC-380

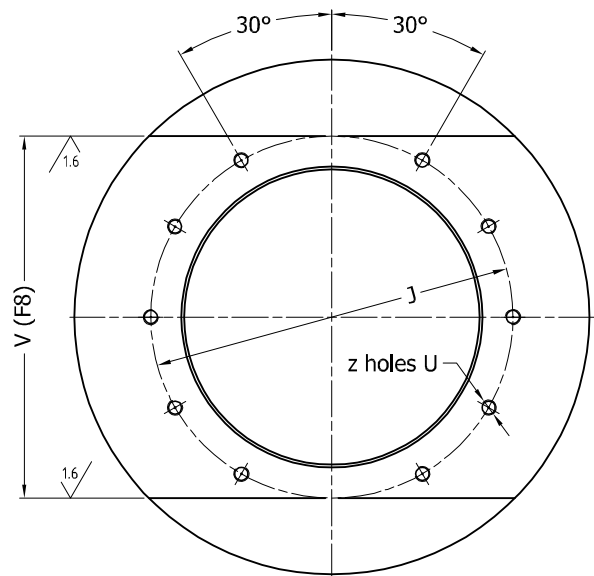
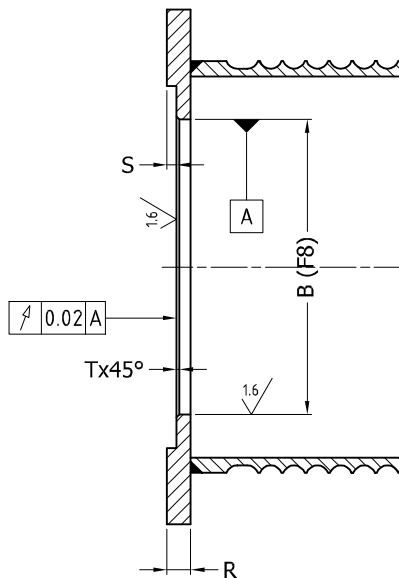
For hole patterns A - B - C, see page 35.

Size DGC	Rated Torque	Max Radial Load	Maximum Bore															Weight m kg
	RTk kNm	Fr kN	d mm	h6-F8			Pattern P						2x180°	h9-F8		Max		
				A	B	C	E	F	G	H	J	h	P	k	L	M	W	
				dimensions in mm														
280	22.2	35	100	320	200	149	110	45	15	47	280	19	A	M16	53	280	2	21
300	27.5	40	110	340	220	165	125	45	15	54	300	19	A	M16	55	300	2	27
320	34.1	44	120	360	240	184	130	45	15	54	320	19	A	M16	55	320	2	32
340	46.2	54	130	380	260	196	145	45	15	58	340	19	A	M16	57	340	3	38
360	61	66	150	400	280	222	170	45	15	65	360	19	A	M16	62	360	3	50
380	83	81	165	420	310	253	175	45	15	67	380	19	A	M16	62	380	3	65
400	97	111	175	450	340	266	185	60	20	73	400	24	A	M20	77	400	3	85
460	146	143	210	510	400	317	220	60	20	75	460	24	A	M20	77	460	3	100
500	168	157	220	550	420	330	240	60	20	82	500	24	A	M20	82	500	4	150
530	205	178	245	580	450	368	260	60	20	92	530	24	B	M20	87	530	4	180
600	352	220	290	650	530	435	315	65	25	107	600	24	B	M20	97	580	4	300
630	380	250	305	680	560	460	350	65	25	122	630	24	C	M20	107	600	4	370
670	475	290	330	710	600	500	380	81	35	125	670	28	C	M20	123	640	5	460
730	593	350	375	780	670	560	410	81	35	127	730	28	C	M20	123	700	5	600
800	708	410	410	850	730	610	450	81	35	130	800	28	C	M20	123	760	5	760

Note - Mass moment of inertia (J) on request. Weight (m) apply to the coupling with maximum bore.

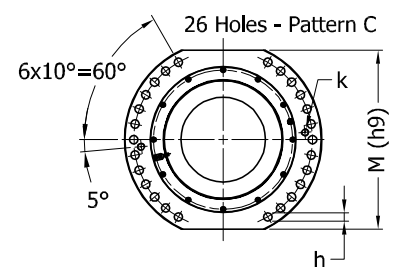
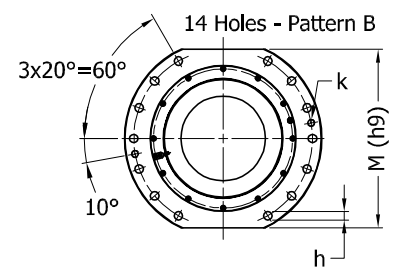
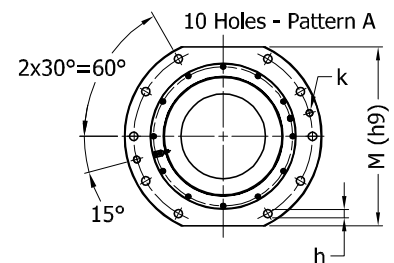


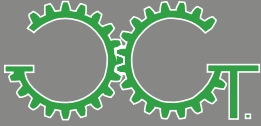
Gear Coupling type **DGC** for Cranes



Note - The flange material must be S355JR EN-10025-2 or higher.
The drum and flange fixing screws must be in quality 10.9 according to DIN931, DIN933 with washers DIN125-300HV.

Size DGC	h6-F8					Pattern P 2x180°					h9-F8	
	J	B	R	S	T	J	h	P	k	U	z	V
dimensions in mm												
280	280	200	25	10	3	280	19	A	M16	M16	10	280
300	300	220	25	10	3	300	19	A	M16	M16	10	300
320	320	240	25	10	3	320	19	A	M16	M16	10	320
340	340	260	25	10	3	340	19	A	M16	M16	10	340
360	360	280	25	10	3	360	19	A	M16	M16	10	360
380	380	310	25	10	3	380	19	A	M16	M16	10	380
400	400	340	30	10	3	400	24	A	M20	M20	10	400
460	460	400	30	10	3	460	24	A	M20	M20	10	460
500	500	420	30	10	3	500	24	A	M20	M20	10	500
530	530	450	40	20	3	530	24	B	M20	M20	14	530
600	600	530	50	25	3	600	24	B	M20	M20	14	580
630	630	560	60	25	5	630	24	C	M20	M24	26	600
670	670	600	60	35	5	670	28	C	M20	M24	26	640
730	730	670	60	35	5	730	28	C	M20	M24	26	700
800	800	730	60	35	5	800	28	C	M20	M24	26	760





Gear Coupling type **DGC** for Cranes - Size Selection

The calculation for a single-drum drive with rigid connection between gear shaft and rope drum yields, for given load F and with bending or alignment error, a maximum bending moment on the gear shaft end of M . (Fig. A)

To achieve a statically determinated bearing, the rigid connection must be replaced by a Drum Gear Coupling.

The maximum determined bending moment which can occur at the gear shaft under the same load F then falls to only about 25% of M (Fig. B).

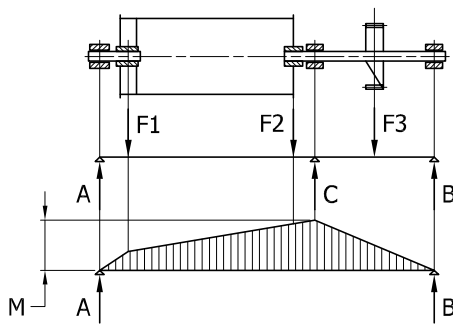


Fig. A

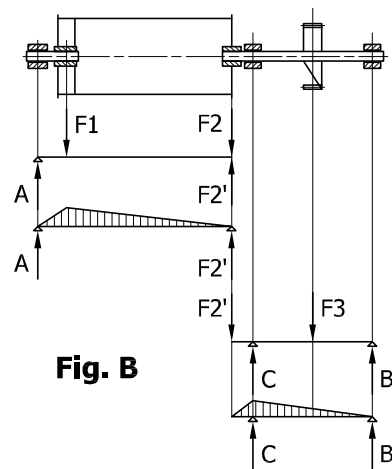


Fig. B

Fig. C shows a Drum Gear Coupling in a single-drum drive.

The Drum Gear Coupling's hub sits on the end of the gear shaft in the rope drum. The rope drum's plummer block is to be constructed as a fixed bearing.

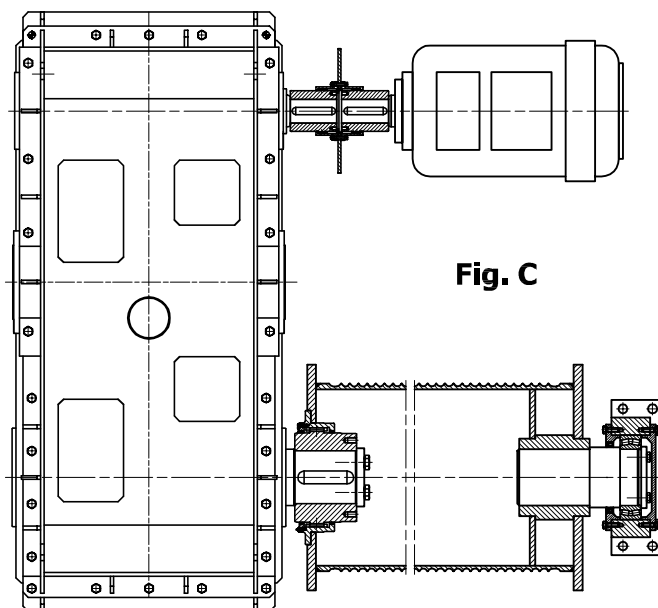
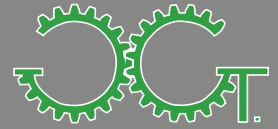


Fig. C



Gear Coupling type **DGC** for Cranes - Size Selection

The correct selection of a Drum Gear Coupling, depends on the required torque **T_{Dk}** [kNm], the max radial load **F_{max}** [kN] and the diameter of the gear shaft.

Size DGC	Rated Torque RTk kNm	Max Radial Load Fr kN	Max Bore d mm
280	22.2	35	100
300	27.5	40	110
320	34.1	44	120
340	46.2	54	130
360	61	66	150
380	83	81	165
400	97	111	175
460	146	143	210
500	168	157	220
530	205	178	245
600	352	220	290
630	380	250	305
670	475	290	330
730	593	350	375
800	708	410	410

- 1** - Check the coupling selection by comparing the Drum Coupling Rating Torque **RTk** with the required Drum Torque **T_{Dk}** revised by the **SF** factor as follow.

$$\mathbf{T_{Dk}} = \frac{N - \text{Motor Power}}{n - \text{Drum Speed}} \times 9.55 \text{ [kNm]}$$

RTk = Drum Coupling Rating Torque [kNm]

Check that : **RTk** ≥ **T_{Dk}** × **SF**

- 2** - Check the coupling selection by comparing the Drum Coupling Max Radial Load **Fr** with the required Radial Load **F_{max}**. The static load **G_{tr}** [kN] on the rope drum must be determined first before calculating the radial load **F_{max}**.

$$\mathbf{G_{tr}} = \frac{(Q + G)}{if \times \eta f} \text{ [kN]} \quad \text{where :}$$

Q = max payload under hook [kN]

G = load of tackle and ropes [kN]

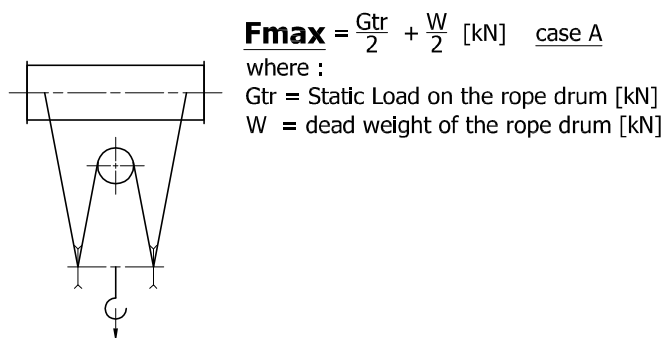
if = $\frac{\text{N}^\circ \text{ of rope lines in the hoist mechanism}}{\text{N}^\circ \text{ of rope lines getting out of the drum}}$

ηf = efficiency of the rope drum and tackle

SF	Drive Group according to	
	DIN 15020	FEM 1.001
1.25	1Bm - 1Am	M3 - M4
1.40	2m	M5
1.60	3m	M6
1.80	4m	M7
2.00	5m	M8

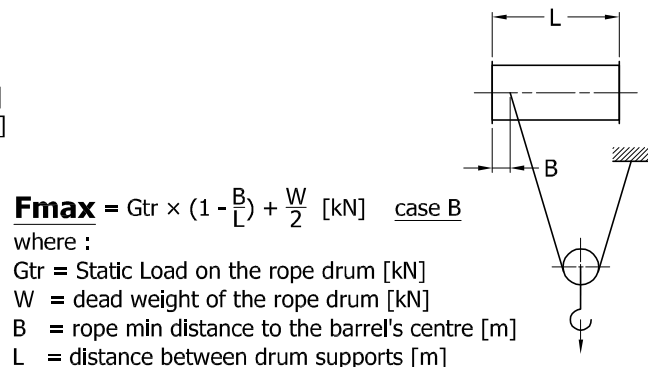
if	Efficiency ηf	
	Slide bearing	Roller bearing
2	0.92	0.97
3	0.90	0.96
4	0.88	0.95
5	0.86	0.94
6	0.84	0.93
7	0.83	0.92
8	0.81	0.91

A - Radial Load in case of multiple rope lines to the drum.



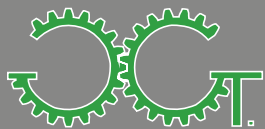
Check that : **Fr** ≥ **F_{max}**

B - Radial Load in case of single rope line to the drum.

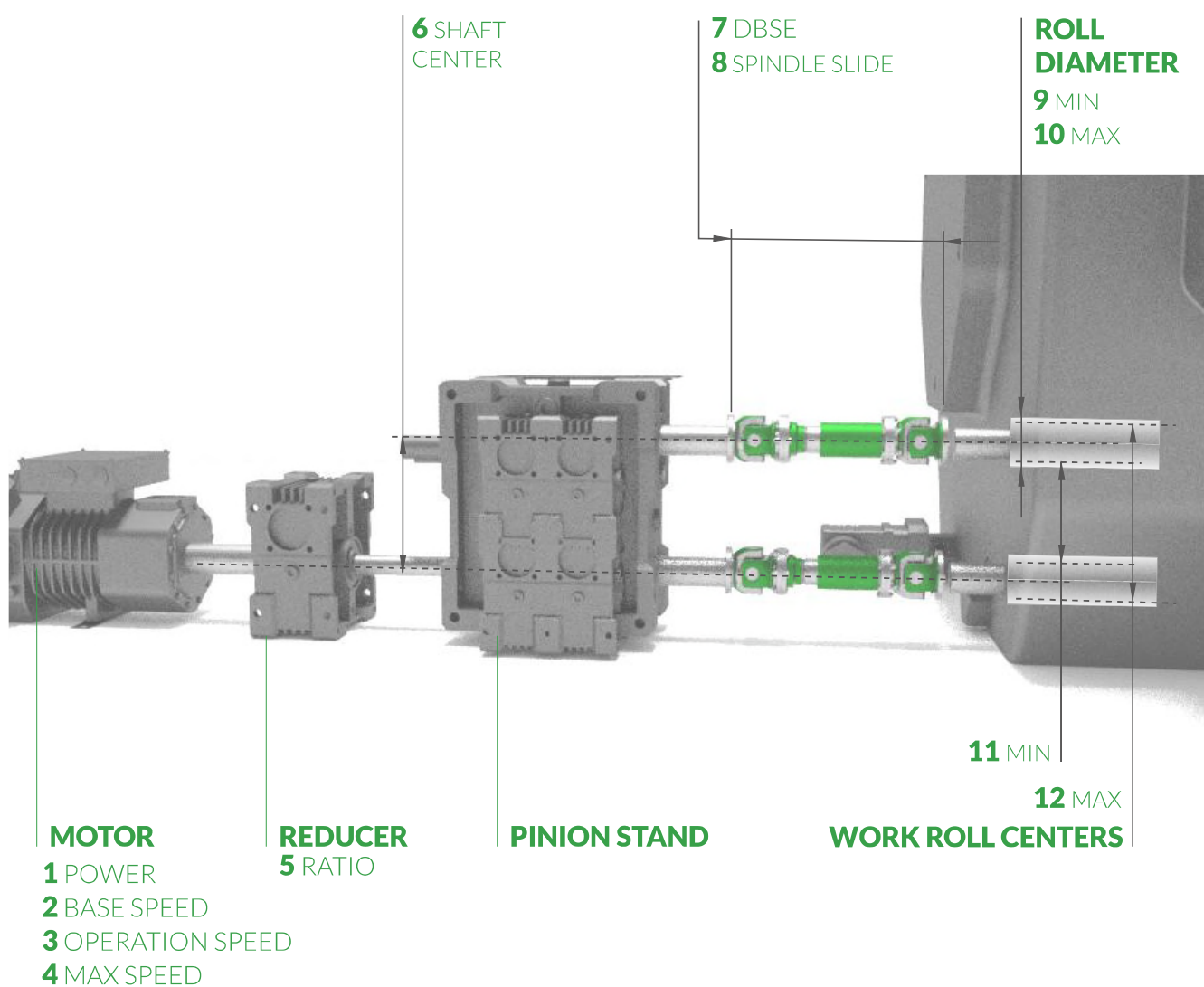


- 3** - Check the geometric conditions of hub-shaft connection by comparing the shaft diameter with the maximum bore **d** of the Drum Coupling selected. In any case the transmitted torque by hub-shaft connection must be checked for all types of connection.

Check that : **d** ≥ shaft diameter

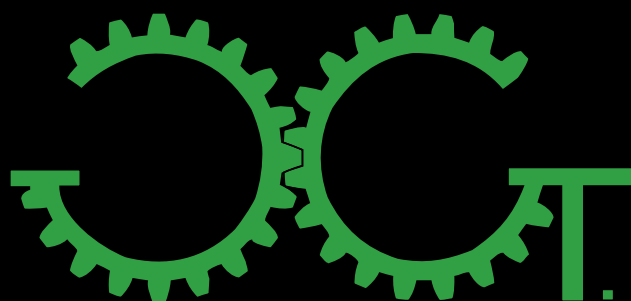


KINEMATIC CHAIN



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