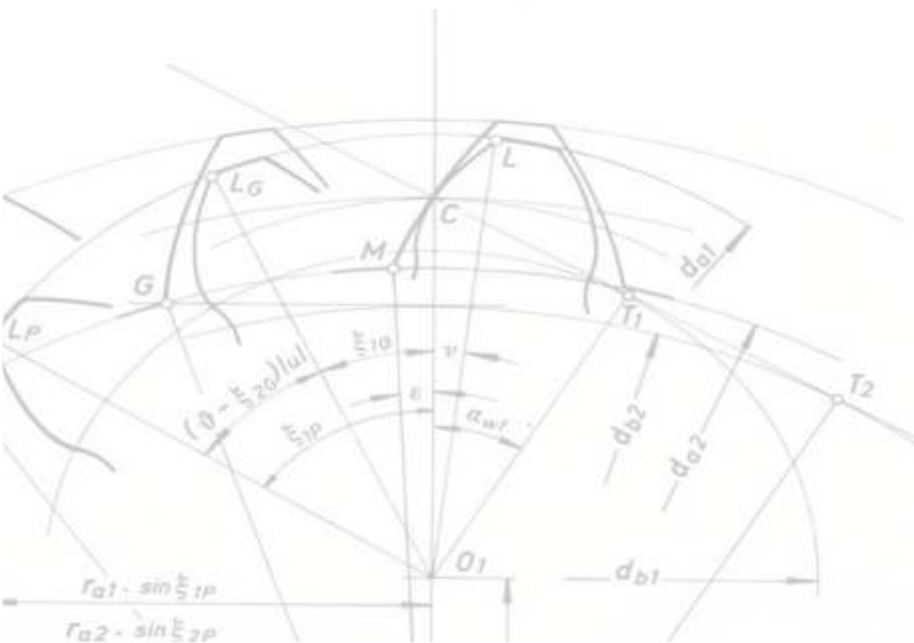


Green Gear Trasmissioni S.r.l.



CATALOGUE - FGC 2013 EDITION



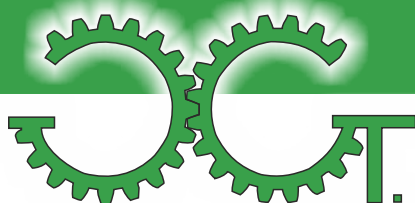
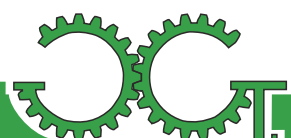
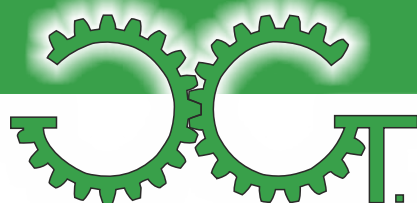


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GGT GEAR COUPLINGS – FGC SERIES

COMPOSITION

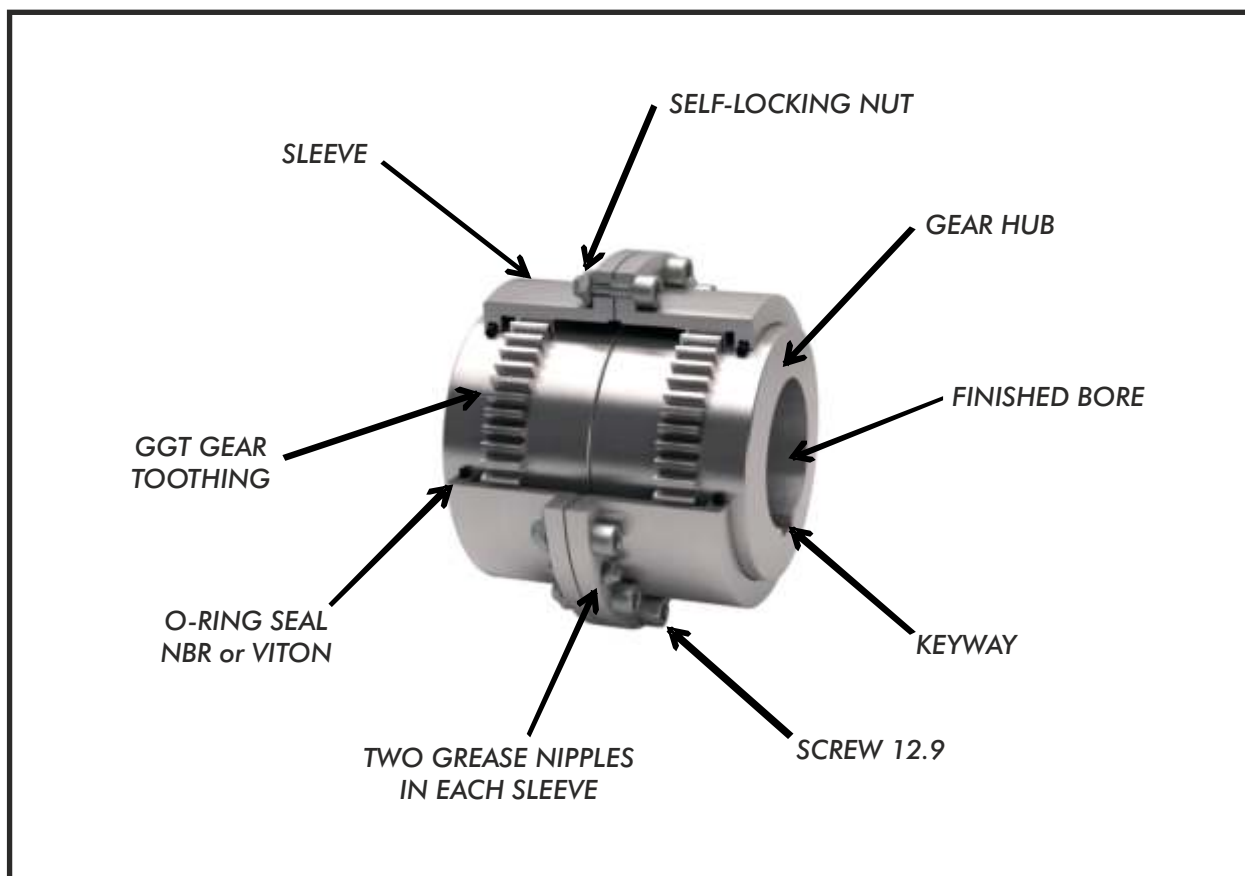
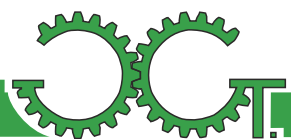


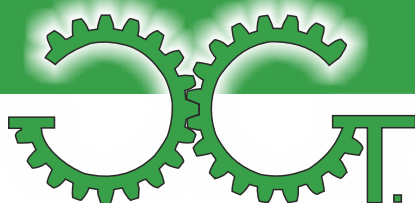
Fig.1



HEAT TREATMENT & RAW MATERIALS

The GGT (Green Gear transmissions Srl) gear couplings of the FGCseries are manufactured and available made of quenched and tempered steel AISI1045, AISI4140 or stainless steel AISI630. Class 12.9 bolts, galvanized steel grease nipples and o-rings in rubber NBR, Viton and/or silicone, upon request.





DIMENSIONING

a) Calculate the torque to be transmitted, considering service factor **SF** (see fig.4) and torque factor **KD**, following the formula on the right;

$$T = \frac{P \times 9,55}{n} \times SF \times KD \quad [\text{kNm}]$$

P = absorbed power [kW]

N = speed [rpm]

T = application torque [kNm]

b) Confirm the preliminary selection by cross checking the diameter of the shafts to be fitted onto the hubs;

c) Check that max speed **n** has to be equal or lower than the selected size coupling max speed multiplied by the speed factor **KV**, depending on operating misalignment α , shown on fig.3;

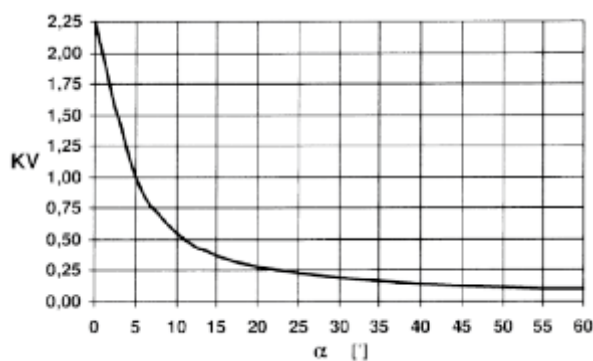


Fig.3

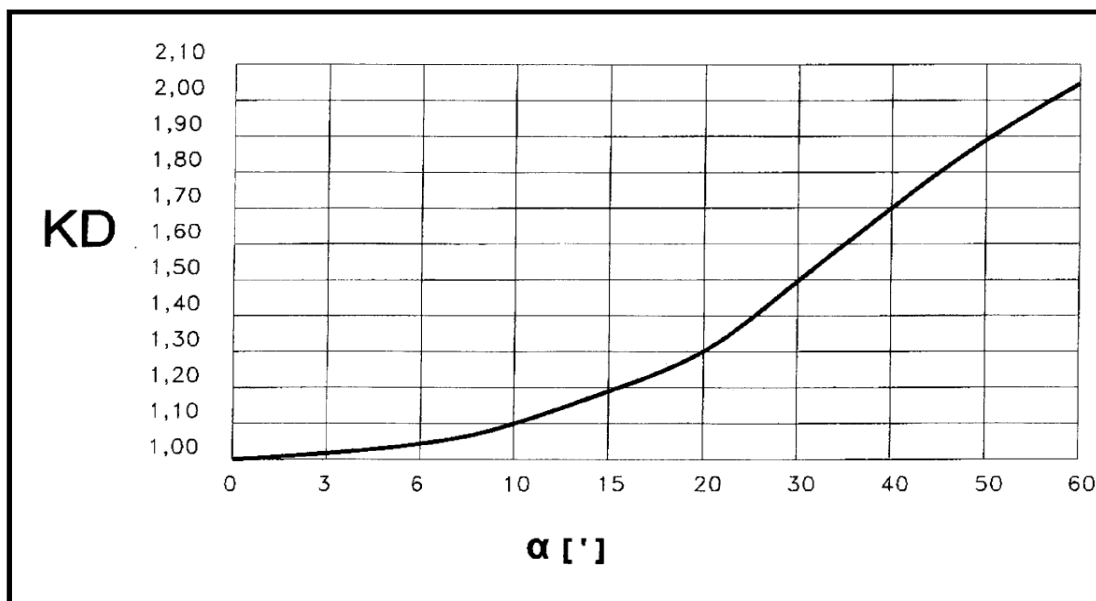
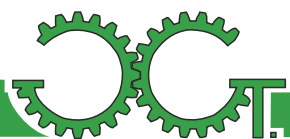
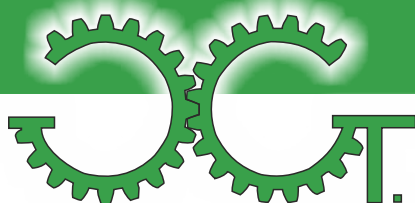


Fig.3.1





SERVICE FACTOR

SERVICE FACTOR "SF"		Reciprocating compressors	2
		Cold strip mills	
		Calenders	
Agitators for pure liquids	1.5	Travelling cranes	2
Electric generators		Winders	
Fans		Presses	
Centrifugal pumps		Tapping machines	
Belt conveyors	1.75	Crushers	2.5
Cas-work pumps		Calenders	
Double acting pumps		Rubber mixers	
Gear pumps		Roller tables	
Bucket belt conveyors	1.75	Hot rolling mills	3
Chain belt conveyors		Screwdown controls	
Screw belt conveyors		Coilers	
Centrifugal compressors		Reversing cold mills	

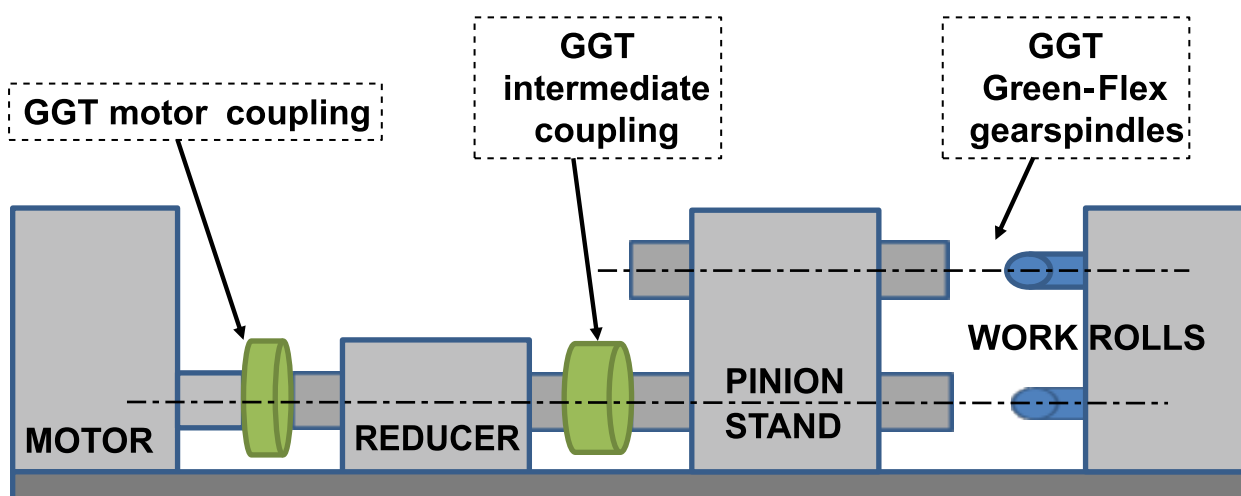
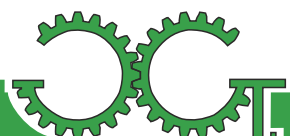
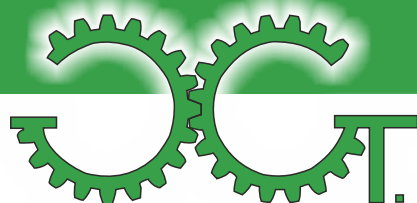


Fig.4.1 Kinematic chain





MISALIGNMENT

The principle of operation of the gear couplings, synthetically illustrated in Figure 2, is based on fitting of the external toothings of the hub with the internal toothings of the sleeve, which allows the transmission of torque between the flanges. The relative offset is compensated by the axial movement of the internal gear teeth on the outer toothings.

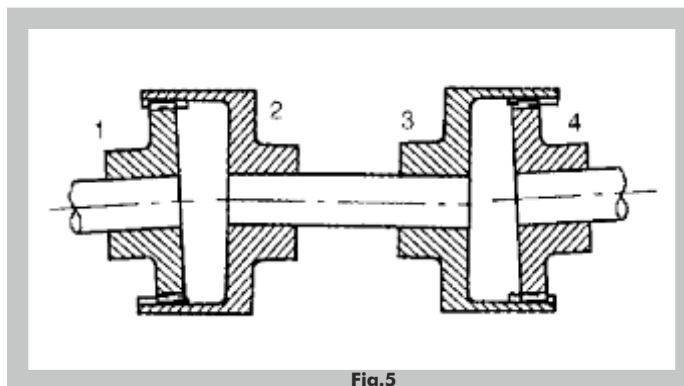


Fig.5

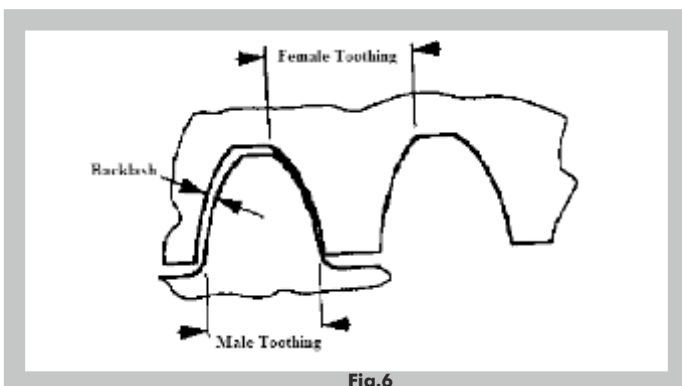


Fig.6

Using the crowned teeth, our gear couplings ensure optimal connections and torsionally rigid, between the most various machines and devices, even with moderate misalignment, axial and radial displacements.

Max dynamic misalignment compensated by GGT toothings:

- Standard Gear Couplings: $0^{\circ}20'$
- With additional heat treatment: $0^{\circ}30'$

GGT TOOTHING

The crowned gear teeth of GGT gear couplings, FGC series, have been designed to ensure conditions of misalignment in a larger contact surface.

The displacement of the used profile determines the increase of the thickness of the tooth and therefore the resistance of the teeth.

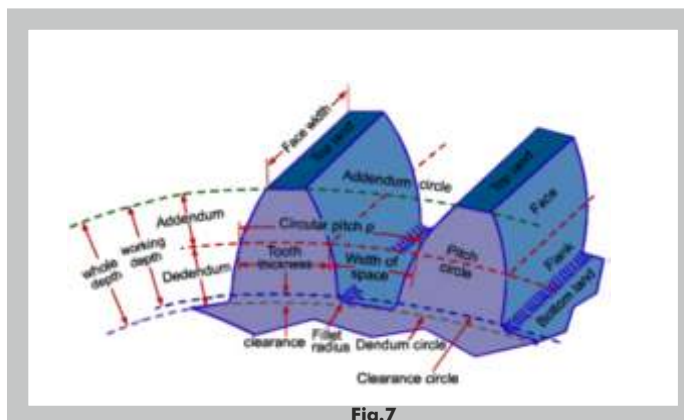
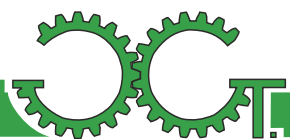
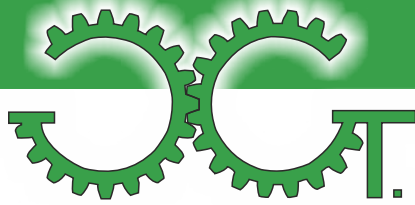


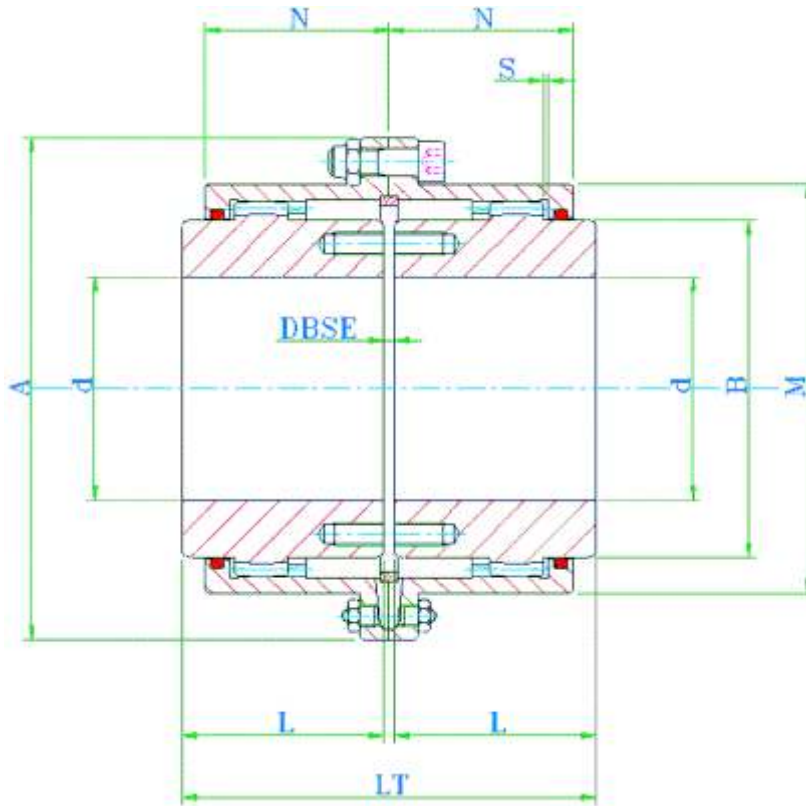
Fig.7



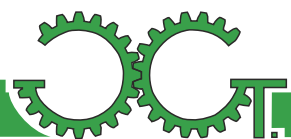


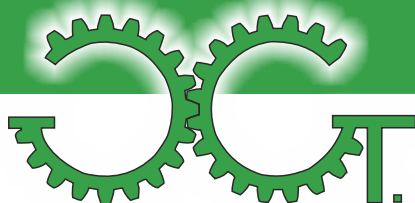
STANDARD GEAR COUPLINGS

FGC SERIES



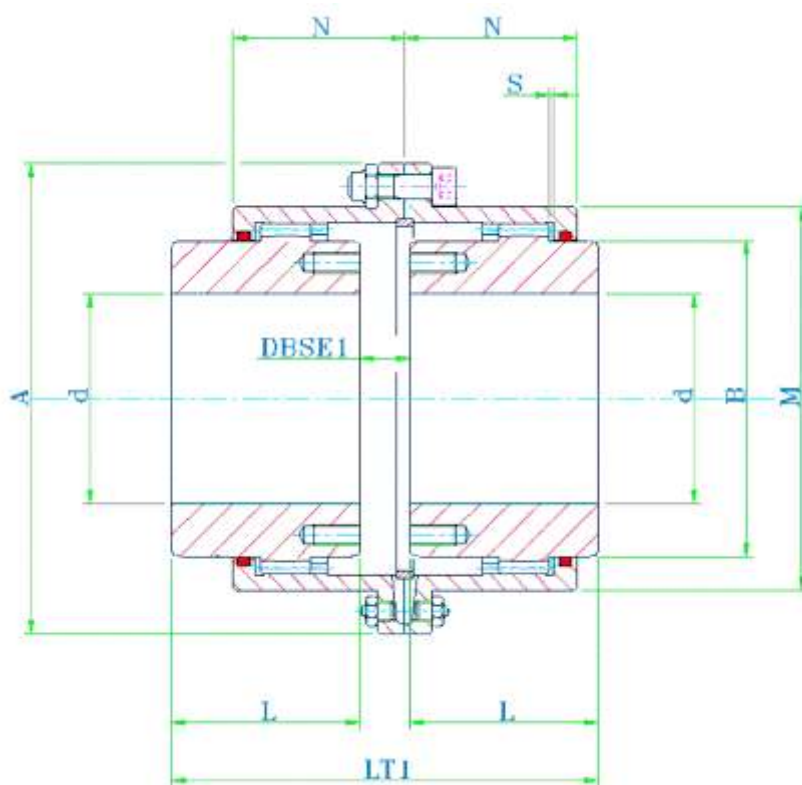
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT [mm]	M [mm]	N [mm]	DBSE [mm]	Weight [kg]
FGC.96	1.9	4.2	6000	52	111	68	43	89	82.5	39	3	4.2
FGC.122	2.9	6.8	4550	62	142	86	50	103	104.6	45.5	3	7.6
FGC.148	5.7	14.0	4000	78	168	105	62	127	130.5	59	3	13.5
FGC.178	9.0	21.5	3900	98	200	132	76	157	158.4	68	5	25
FGC.203	14.5	35.0	3700	112	225	151	90	185	183.4	82.5	5	37
FGC.236	22.8	54.7	3550	132	265	179	105	216	211.5	93	6	60
FGC.270	34.8	83.5	3000	156	300	209	120	246	245.5	106	6	90
FGC.300	45.8	110	2750	174	330	234	135	278	275	118	8	124
FGC.335	70.8	170	2420	190	370	255	150	308	307	138	8	170
FGC.368	85.4	205	2270	210	406	280	175	358	335	154	8	233
FGC.400	150	360	1950	233	439	306	190	388	367	166	8	298
FGC.460	200	480	1730	280	505	356	220	450	423	193	10	457



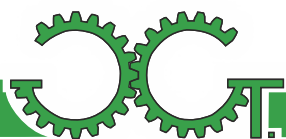


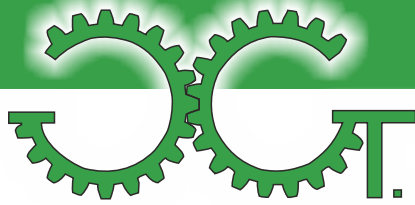
STANDARD GEAR COUPLINGS WITH ONE REVERSED HUB

FGC.R SERIES



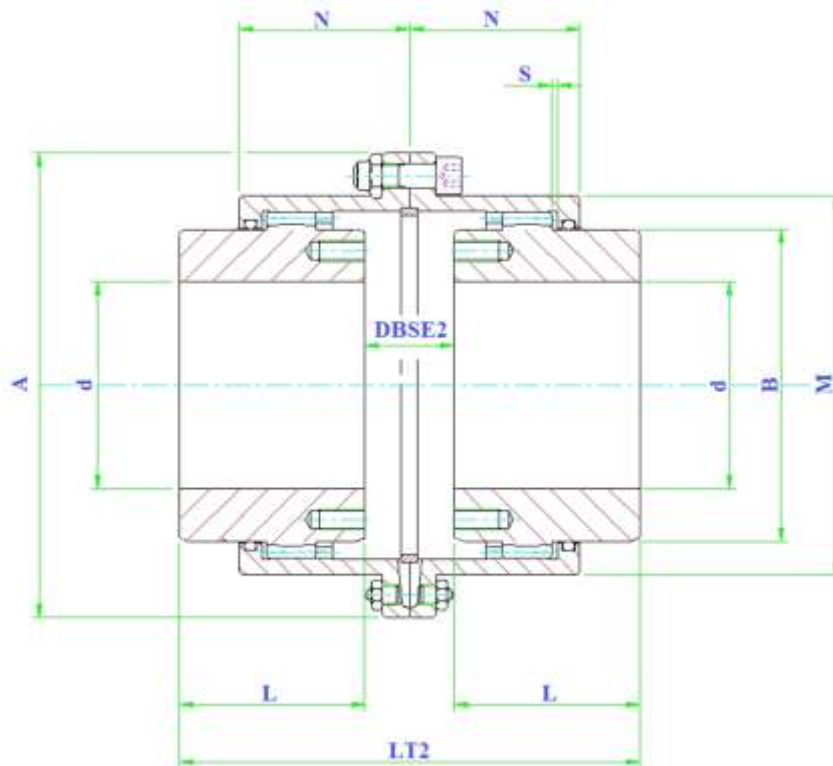
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FGC.96.R	1.9	4.2	6000	52	111	68	43	91	82.5	39	5	4.2
FGC.122.R	2.9	6.8	4550	62	142	86	50	108	104.6	45.5	8	7.6
FGC.148.R	5.7	14.0	4000	78	168	105	62	138	130.5	59	14	13.5
FGC.178.R	9.0	21.5	3900	98	200	132	76	170	158.4	68	18	25
FGC.203.R	14.5	35.0	3700	112	225	151	90	204	183.4	82.5	24	37
FGC.236.R	22.8	54.7	3550	132	265	179	105	237	211.5	93	27	60
FGC.270.R	34.8	83.5	3000	156	300	209	120	272	245.5	106	32	90
FGC.300.R	45.8	110	2750	174	330	234	135	307	275	118	37	124
FGC.335.R	70.8	170	2420	190	370	255	150	350	307	138	50	170
FGC.368.R	85.4	205	2270	210	406	280	175	403	335	154	53	233
FGC.400.R	150	360	1950	233	439	306	190	438	367	166	58	298
FGC.460.R	200	480	1730	280	505	356	220	512	423	193	72	457



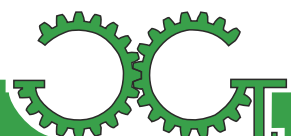


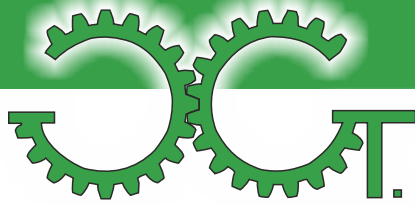
STANDARD GEAR COUPLINGS WITH BOTH REVERSED HUBS

FGC.RR SERIES



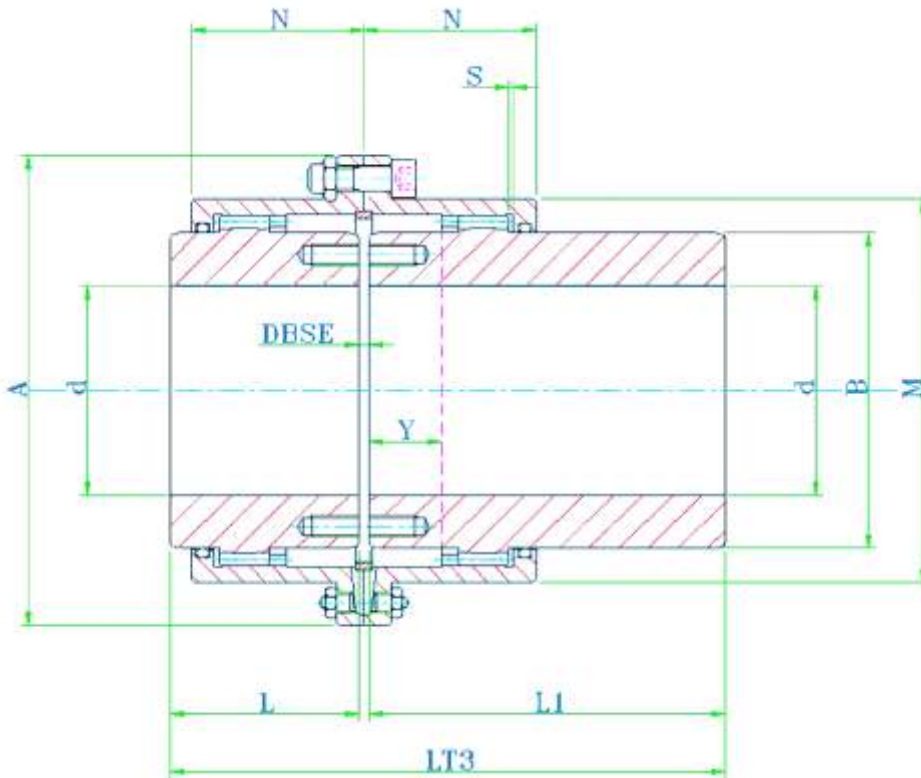
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT2 [mm]	M [mm]	N [mm]	DBSE2 [mm]	Weight [kg]
FGC.96.RR	1.9	4.2	6000	52	111	68	43	93	82.5	39	7	4.2
FGC.122.RR	2.9	6.8	4550	62	142	86	50	113	104.6	45.5	13	7.6
FGC.148.RR	5.7	14.0	4000	78	168	105	62	149	130.5	59	25	13.5
FGC.178.RR	9.0	21.5	3900	98	200	132	76	184	158.4	68	32	25
FGC.203.RR	14.5	35.0	3700	112	225	151	90	223	183.4	82.5	43	37
FGC.236.RR	22.8	54.7	3550	132	265	179	105	258	211.5	93	48	60
FGC.270.RR	34.8	83.5	3000	156	300	209	120	298	245.5	106	58	90
FGC.300.RR	45.8	110	2750	174	330	234	135	336	275	118	66	124
FGC.335.RR	70.8	170	2420	190	370	255	150	392	307	138	92	170
FGC.368.RR	85.4	205	2270	210	406	280	175	448	335	154	98	233
FGC.400.RR	150	360	1950	233	439	306	190	488	367	166	108	298
FGC.460.RR	200	480	1730	280	505	356	220	574	423	193	134	457



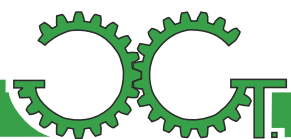


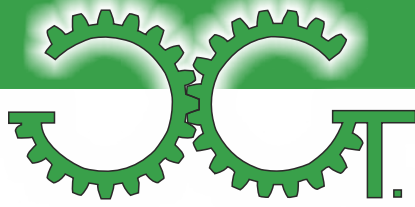
GEAR COUPLINGS WITH ONE LONG HUB

FGC.L SERIES



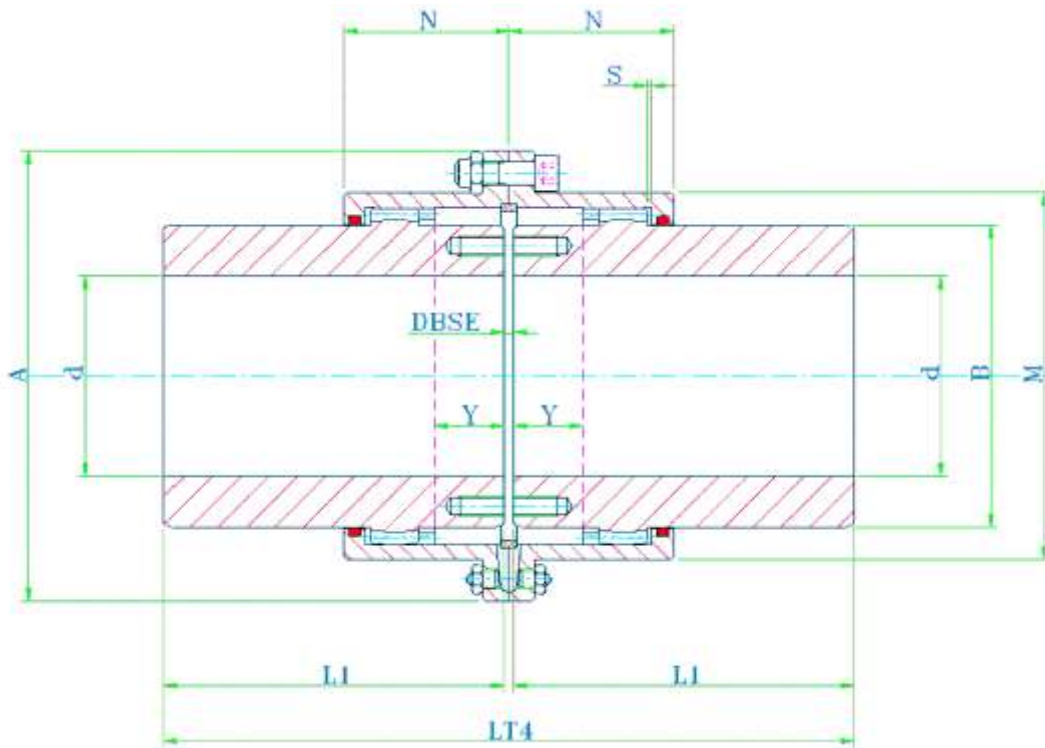
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FGC.96.L	1.9	4.2	6000	52	111	68	105	151	82.5	39	12	3	6.15
FGC.122.L	2.9	6.8	4550	62	142	86	115	168	104.6	45.5	16	3	10.2
FGC.148.L	5.7	14.0	4000	78	168	105	130	195	130.5	59	22	3	18.2
FGC.178.L	9.0	21.5	3900	98	200	132	150	231	158.4	68	26	5	33
FGC.203.L	14.5	35.0	3700	112	225	151	170	265	183.4	82.5	38	5	48.5
FGC.236.L	22.8	54.7	3550	132	265	179	185	296	211.5	93	45	6	56.5
FGC.270.L	34.8	83.5	3000	156	300	209	215	296	245.5	106	50	6	115
FGC.300.L	45.8	110	2750	174	330	234	245	341	275	118	58	8	161
FGC.335.L	70.8	170	2420	190	370	255	295	388	307	138	70	8	227
FGC.368.L	85.4	205	2270	210	406	280	300	453	335	154	80	8	292
FGC.400.L	150	360	1950	233	439	306	305	483	367	166	86	8	363
FGC.460.L	200	480	1730	280	505	356	310	540	423	193	96	10	526



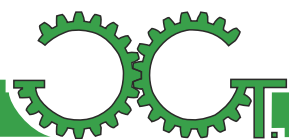


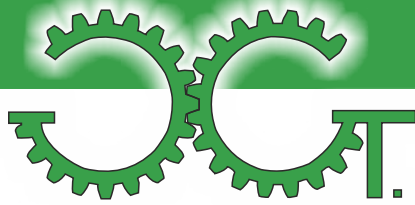
GEAR COUPLINGS WITH BOTH LONG HUBS

FGC.LL SERIES



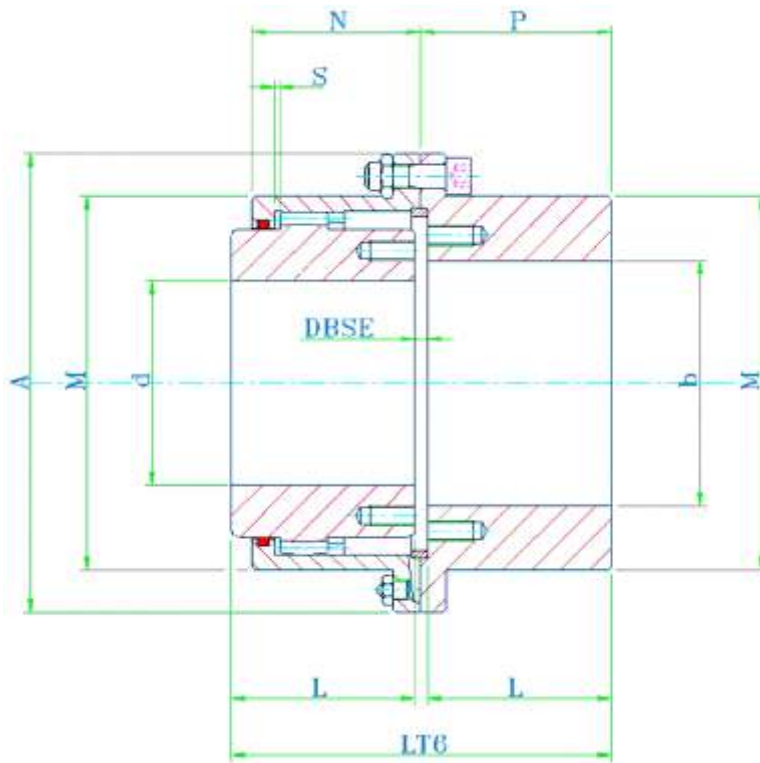
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FGC.96.LL	1.9	4.2	6000	52	111	68	105	213	82.5	39	12	3	8
FGC.122.LL	2.9	6.8	4550	62	142	86	115	233	104.6	45.5	16	3	13
FGC.148.LL	5.7	14.0	4000	78	168	105	130	263	130.5	59	22	3	23
FGC.178.LL	9.0	21.5	3900	98	200	132	150	305	158.4	68	26	5	41
FGC.203.LL	14.5	35.0	3700	112	225	151	170	345	183.4	82.5	38	5	60
FGC.236.LL	22.8	54.7	3550	132	265	179	185	376	211.5	93	45	6	91
FGC.270.LL	34.8	83.5	3000	156	300	209	215	436	245.5	106	50	6	141
FGC.300.LL	45.8	110	2750	174	330	234	245	498	275	118	58	8	199
FGC.335.LL	70.8	170	2420	190	370	255	295	598	307	138	70	8	285
FGC.368.LL	85.4	205	2270	210	406	280	300	608	335	154	80	8	352
FGC.400.LL	150	360	1950	233	439	306	305	618	367	166	86	8	428
FGC.460.LL	200	480	1730	280	505	356	310	630	423	193	96	10	596



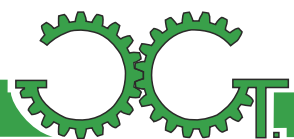


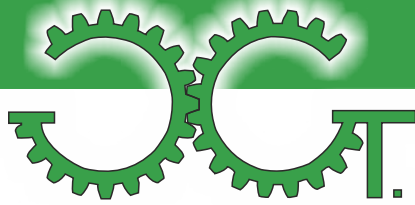
GEAR COUPLINGS WITH ONE RIGID HUB

RGC SERIES



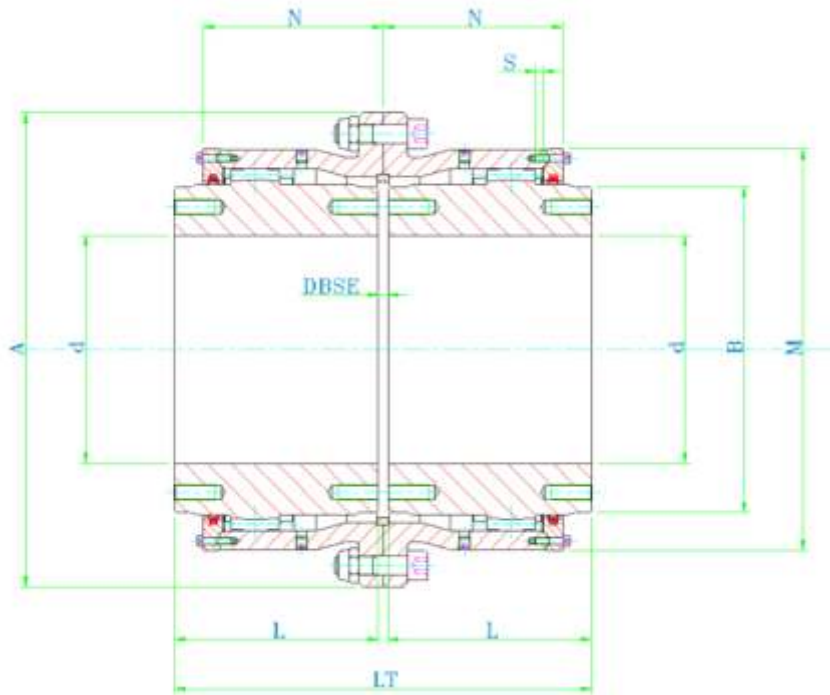
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	MAX BORE b [mm]	A [mm]	L [mm]	LT6 [mm]	M [mm]	N [mm]	P [mm]	DBSE [mm]	Weight [kg]
RGC.96	1.9	4.2	6000	52	60	111	43	89	82.5	39	44.5	3	4.5
RGC.122	2.9	6.8	4550	62	75	142	50	103	104.6	45.5	51.5	3	8
RGC.148	5.7	14.0	4000	78	90	168	62	127	130.5	59	63.5	3	14
RGC.178	9.0	21.5	3900	98	110	200	76	157	158.4	68	78.5	5	26
RGC.203	14.5	35.0	3700	112	130	225	90	185	183.4	82.5	92.5	5	39
RGC.236	22.8	54.7	3550	132	150	265	105	216	211.5	93	108	6	63
RGC.270	34.8	83.5	3000	156	175	300	120	246	245.5	106	123	6	95
RGC.300	45.8	110	2750	174	195	330	135	278	275	118	139	8	131
RGC.335	70.8	170	2420	190	220	370	150	308	307	138	154	8	180
RGC.368	85.4	205	2270	210	240	406	175	358	335	154	179	8	248
RGC.400	150	360	1950	233	260	439	190	388	367	166	194	8	318
RGC.460	200	480	1730	280	300	505	220	450	423	193	225	10	488



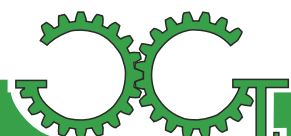


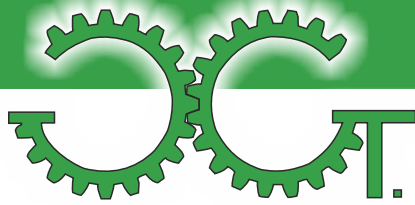
HEAVY DUTY GEAR COUPLINGS

FGC SERIES



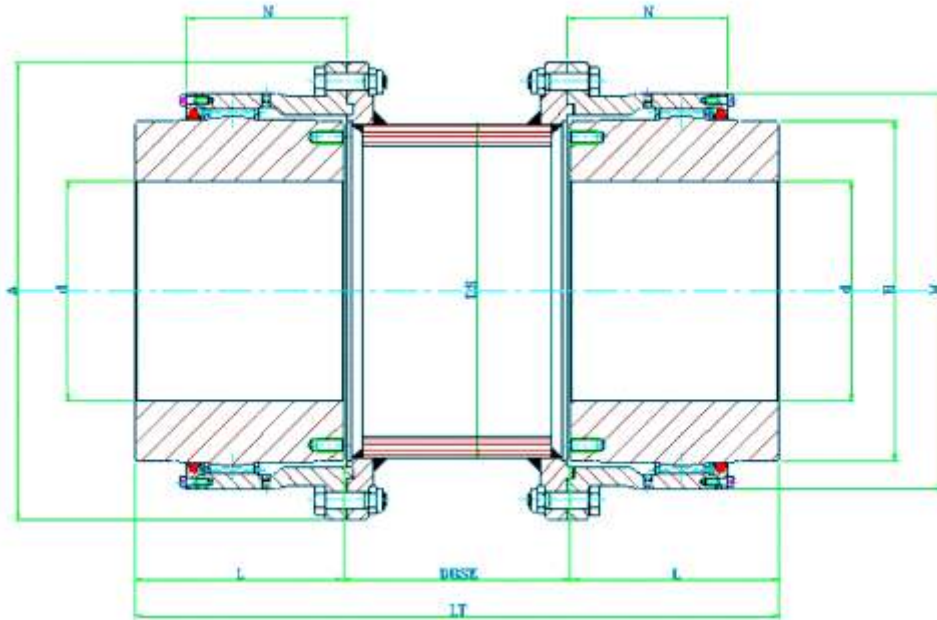
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT [mm]	M [mm]	N [mm]	DBSE [mm]	Weight [kg]
FGC.531	290	580	1100	325	590	410	260	532	503	221	12	722
FGC.581	402	804	990	370	639	460	290	592	553	245	12	972
FGC.636	518	1036	890	400	710	500	320	652	597	262	12	1292
FGC.696	693	1386	785	430	769	560	350	712	657	280	12	1695
FGC.762	882	1764	700	475	834	620	380	772	722	292	12	2215
FGC.812	1040	2080	645	510	894	660	400	820	763	315	20	2695
FGC.862	1255	2510	600	530	944	690	420	860	813	327	20	3150
FGC.937	1633	3266	540	580	1020	760	440	900	888	346	20	3950
FGC.997	1906	3812	500	610	1095	800	480	990	938	385	30	4915
FGC.1097	2636	5272	440	680	1195	880	530	1090	1038	414	30	6566
FGC.1242	3707	7414	380	780	1350	1010	580	1190	1173	460	30	9420
FGC.1342	4662	9324	330	860	1450	1110	630	1300	1273	507	40	12390
FGC.1477	6216	12432	300	950	1584	1230	690	1420	1408	568	40	15904
FGC.1587	7539	15078	280	1020	1715	1320	730	1500	1508	602	40	19631
FGC.1687	8925	17850	250	1090	1815	1410	790	1620	1608	635	40	23543
FGC.1817	11130	22260	230	1180	1944	1530	840	1730	1738	680	50	29572



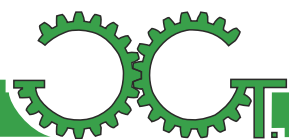


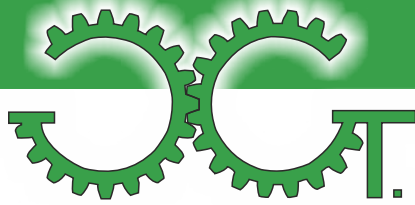
HEAVY DUTY GEAR COUPLINGS

FGC.T SERIES



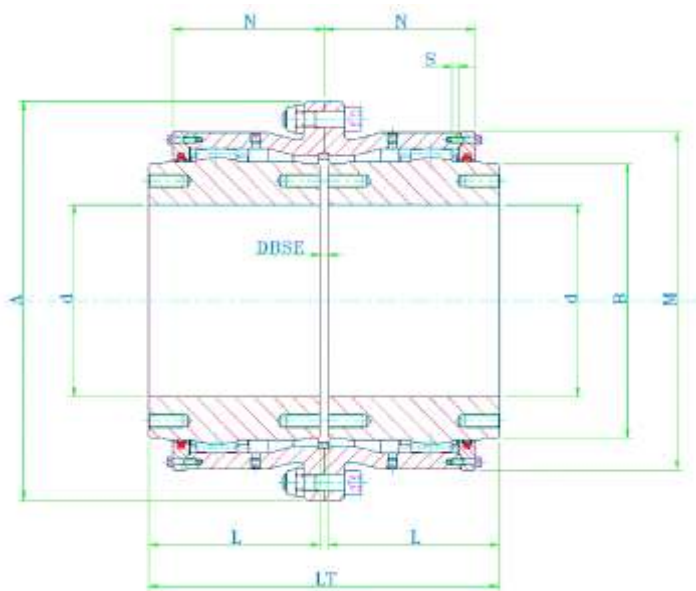
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT [mm]	M [mm]	N [mm]	DBSE MIN. [mm]	Weight [kg]
FGC.531	290	580	1100	325	590	410	260	532	503	221	210	850
FGC.581	402	804	990	370	639	460	290	592	553	245	220	1050
FGC.636	518	1036	890	400	710	500	320	652	597	262	230	1450
FGC.696	693	1386	785	430	769	560	350	712	657	280	240	1850
FGC.762	882	1764	700	475	834	620	380	772	722	292	250	2360
FGC.812	1040	2080	645	510	894	660	400	820	763	315	300	2840
FGC.862	1255	2510	600	530	944	690	420	860	813	327	330	3300
FGC.937	1633	3266	540	580	1020	760	440	900	888	346	360	4110
FGC.997	1906	3812	500	610	1095	800	480	990	938	385	400	5050
FGC.1097	2636	5272	440	680	1195	880	530	1090	1038	414	450	6600
FGC.1242	3707	7414	380	780	1350	1010	580	1190	1173	460	500	9900
FGC.1342	4662	9324	330	860	1450	1110	630	1300	1273	507	550	13390
FGC.1477	6216	12432	300	950	1584	1230	690	1420	1408	568	600	16800
FGC.1587	7539	15078	280	1020	1715	1320	730	1500	1508	602	650	20700
FGC.1687	8925	17850	250	1090	1815	1410	790	1620	1608	635	700	24800
FGC.1817	11130	22260	230	1180	1944	1530	840	1730	1738	680	750	30800



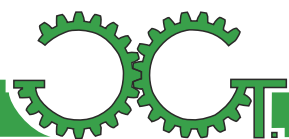


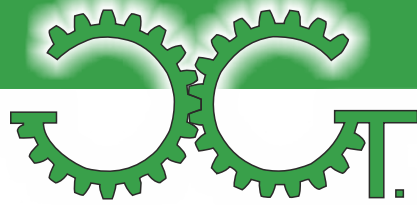
HEAVY DUTY GEAR COUPLINGS MADE IN 42CrMo4

FGC.HD SERIES



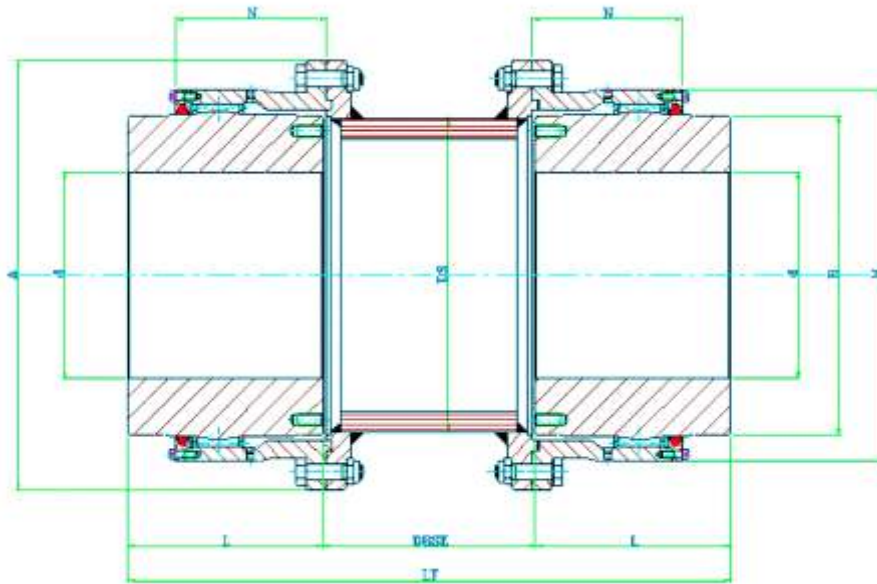
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT [mm]	M [mm]	N [mm]	DBSE [mm]	Weight [kg]
FGC.531.HD	421	842	2000	325	590	410	260	532	503	221	12	722
FGC.581.HD	570	1140	1750	370	639	460	290	592	553	245	12	972
FGC.636.HD	757	1514	1600	400	710	500	320	652	597	262	12	1292
FGC.696.HD	995	1990	1400	430	769	560	350	712	657	280	12	1695
FGC.762.HD	1251	2502	1250	475	834	620	380	772	722	292	12	2215
FGC.812.HD	1505	3010	1200	510	894	660	400	820	763	315	20	2695
FGC.862.HD	1820	3640	1100	530	944	690	420	860	813	327	20	3150
FGC.937.HD	2360	4720	1000	580	1020	760	440	900	888	346	20	3950
FGC.997.HD	2780	5560	950	610	1095	800	480	990	938	385	30	4915
FGC.1097.HD	3910	7820	850	680	1195	880	530	1090	1038	414	30	6566
FGC.1242.HD	5490	10980	700	780	1350	1010	580	1190	1173	460	30	9420
FGC.1342.HD	6890	13780	650	860	1450	1110	630	1300	1273	507	40	12390
FGC.1477.HD	9275	18550	600	950	1584	1230	690	1420	1408	568	40	15904
FGC.1587.HD	10865	21730	550	1020	1715	1320	730	1500	1508	602	40	19631
FGC.1687.HD	13540	26900	500	1090	1815	1410	790	1620	1608	635	40	23543
FGC.1817.HD	16900	33800	450	1180	1944	1530	840	1730	1738	680	50	29572



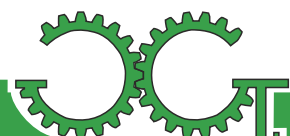


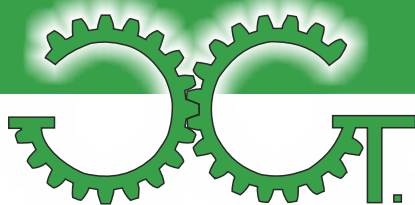
**HEAVY DUTY GEAR COUPLINGS
MADE IN 42CrMo4**

FGC.HD.T SERIES



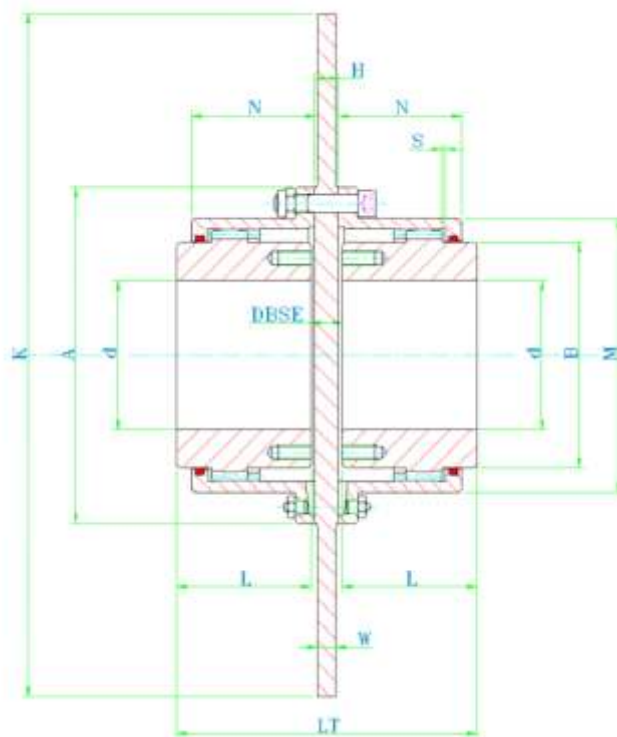
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT [mm]	M [mm]	N [mm]	DBSE [mm]	Weight [kg]
FGC.531	421	842	2000	325	590	410	260	532	503	221	210	900
FGC.581	570	1140	1750	370	639	460	290	592	553	245	220	1150
FGC.636	757	1514	1600	400	710	500	320	652	597	262	230	1650
FGC.696	995	1990	1400	430	769	560	350	712	657	280	240	2100
FGC.762	1251	2502	1250	475	834	620	380	772	722	292	250	2660
FGC.812	1505	3010	1200	510	894	660	400	820	763	315	300	3140
FGC.862	1820	3640	1100	530	944	690	420	860	813	327	330	3650
FGC.937	2360	4720	1000	580	1020	760	440	900	888	346	360	4510
FGC.997	2780	5560	950	610	1095	800	480	990	938	385	400	5500
FGC.1097	3910	7820	850	680	1195	880	530	1090	1038	414	450	7200
FGC.1242	5490	10980	700	780	1350	1010	580	1190	1173	460	500	10450
FGC.1342	6890	13780	650	860	1450	1110	630	1300	1273	507	550	13790
FGC.1477	9275	18550	600	950	1584	1230	690	1420	1408	568	600	17100
FGC.1587	10865	21730	550	1020	1715	1320	730	1500	1508	602	650	21000
FGC.1687	13540	26900	500	1090	1815	1410	790	1620	1608	635	700	25500
FGC.1817	16900	33800	450	1180	1944	1530	840	1730	1738	680	750	31200



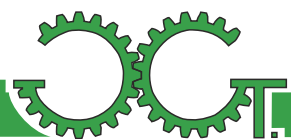


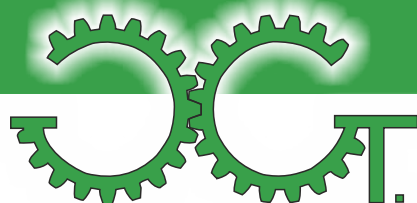
GEAR COUPLINGS WITH BRAKE DISC

FGC.BD SERIES



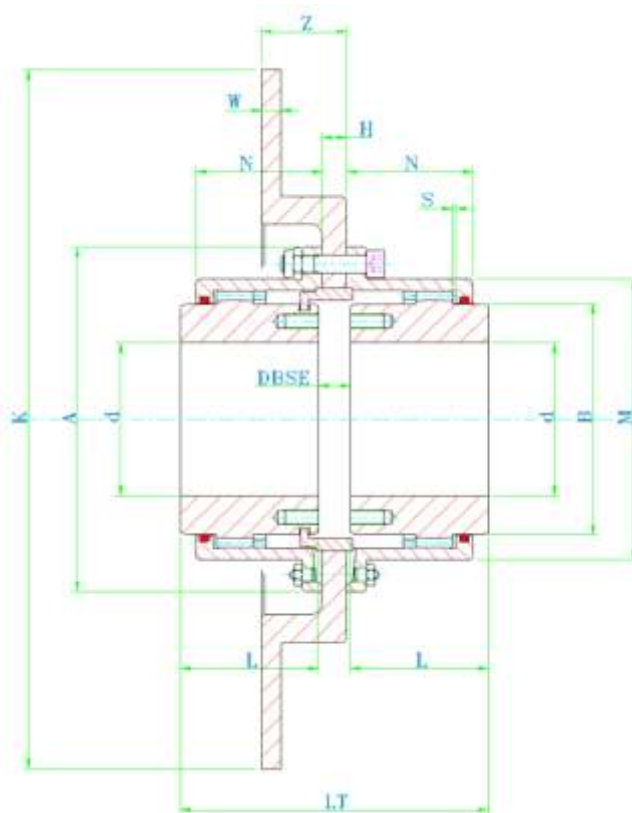
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT [mm]	M [mm]	N [mm]	DBSE [mm]	K x H [mm]	W [mm]
FGC.96.BD	1.9	4.2	6000	52	111	68	43	89	82.5	39	3 + H	250x6	12.7
FGC.122.BD	2.9	6.8	4550	62	142	86	50	103	104.6	45.5	3 + H	300x13	12.7
FGC.148.BD	5.7	14.0	4000	78	168	105	62	127	130.5	59	3 + H	350x16	12.7
FGC.178.BD	9.0	21.5	3900	98	200	132	76	157	158.4	68	5 + H	400x13	12.7
FGC.203.BD	14.5	35.0	3700	112	225	151	90	185	183.4	82.5	5 + H	460x16	12.7
FGC.236.BD	22.8	54.7	3550	132	265	179	105	216	211.5	93	6 + H	515x16	12.7
FGC.270.BD	34.8	83.5	3000	156	300	209	120	246	245.5	106	6 + H	515x16	12.7
FGC.300.BD	45.8	110	2750	174	330	234	135	278	275	118	8 + H	610x16	12.7
FGC.335.BD	70.8	170	2420	190	370	255	150	308	307	138	8 + H	710x19	12.7
FGC.368.BD	85.4	205	2270	210	406	280	175	358	335	154	8 + H	810x25	12.7
FGC.400.BD	150	360	1950	233	439	306	190	388	367	166	8 + H	810x25	12.7
FGC.460.BD	200	480	1730	280	505	356	220	450	423	193	10 + H	915x25	12.7



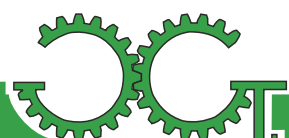


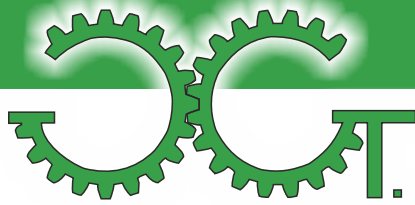
GEAR COUPLINGS WITH TWIFLEX BRAKE DISC

FGC.DT SERIES



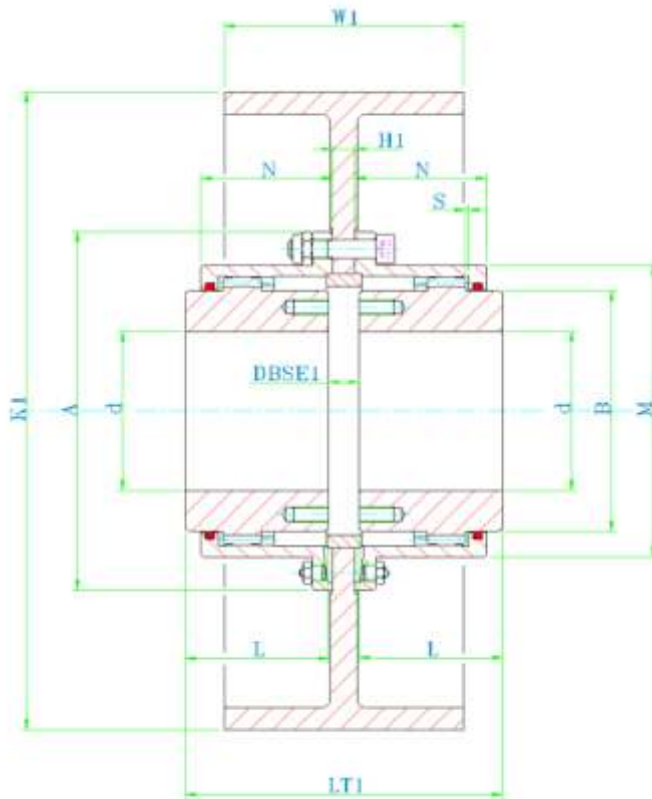
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT [mm]	M [mm]	N [mm]	DBSE [mm]	K x H [mm]	W x Z [mm]
FGC.96.DT	1.9	4.2	6000	52	111	68	43	95	82.5	39	3 + H	250x6	12.7 x 38
FGC.122.DT	2.9	6.8	4550	62	142	86	50	116	104.6	45.5	3 + H	300x13	12.7 x 41
FGC.148.DT	5.7	14.0	4000	78	168	105	62	143	130.5	59	3 + H	350x16	12.7 x 54
FGC.178.DT	9.0	21.5	3900	98	200	132	76	170	158.4	68	5 + H	400x13	12.7 x 54
FGC.203.DT	14.5	35.0	3700	112	225	151	90	201	183.4	82.5	5 + H	460x16	12.7 x 54
FGC.236.DT	22.8	54.7	3550	132	265	179	105	216	211.5	93	6 + H	515x16	12.7 x 54
FGC.270.DT	34.8	83.5	3000	156	300	209	120	262	245.5	106	6 + H	515x16	12.7 x 54
FGC.300.DT	45.8	110	2750	174	330	234	135	294	275	118	8 + H	610x16	12.7 x 54
FGC.335.DT	70.8	170	2420	190	370	255	150	327	307	138	8 + H	710x19	12.7 x 54
FGC.368.DT	85.4	205	2270	210	406	280	175	383	335	154	8 + H	810x25	12.7 x 54
FGC.400.DT	150	360	1950	233	439	306	190	403	367	166	8 + H	810x25	12.7 x 54
FGC.460.DT	200	480	1730	280	505	356	220	475	423	193	10 + H	915x25	12.7 x 54



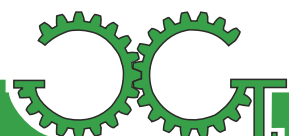


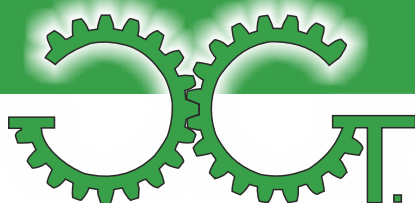
GEAR COUPLINGS WITH BRAKE PULLEY

FGC.BP SERIES



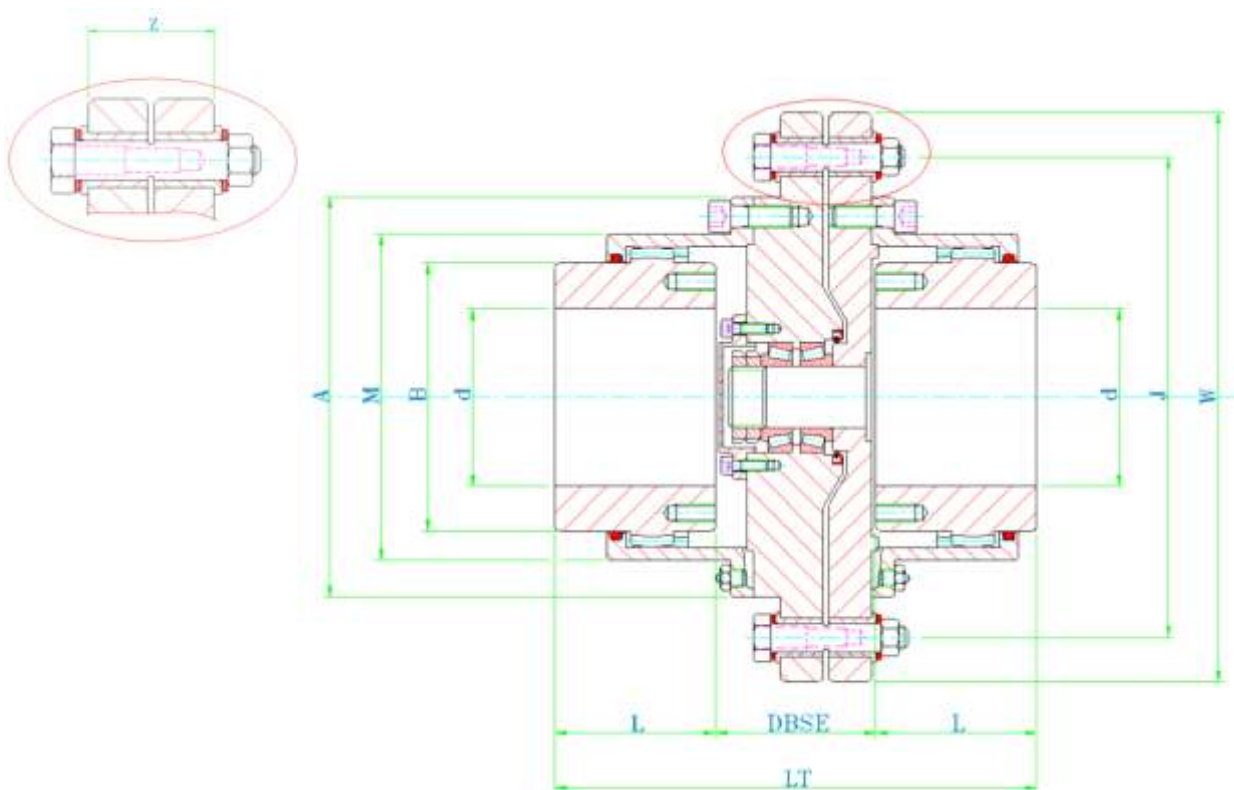
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT1 [mm]	M [mm]	N [mm]	DBSE1 [mm]	H1 [mm]	K1 x W1 [mm]
FGC.96.BP	1.9	4.2	6000	52	111	68	43	95	82.5	39	3 + H1	8	200 x 75
FGC.122.BP	2.9	6.8	4550	62	142	86	50	116	104.6	45.5	3 + H1	8	200 x 75
FGC.148.BP	5.7	14.0	4000	78	168	105	62	143	130.5	59	3 + H1	10	250 x 95
FGC.178.BP	9.0	21.5	3900	98	200	132	76	170	158.4	68	5 + H1	10	250 x 95
FGC.203.BP	14.5	35.0	3700	112	225	151	90	201	183.4	82.5	5 + H1	12	315 x 118
FGC.236.BP	22.8	54.7	3550	132	265	179	105	216	211.5	93	6 + H1	14	400 x 150
FGC.270.BP	34.8	83.5	3000	156	300	209	120	262	245.5	106	6 + H1	18	500 x 190
FGC.300.BP	45.8	110	2750	174	330	234	135	294	275	118	8 + H1	18	500 x 190
FGC.335.BP	70.8	170	2420	190	370	255	150	327	307	138	8 + H1	22	630 x 236
FGC.368.BP	85.4	205	2270	210	406	280	175	383	335	154	8 + H1	22	630 x 236
FGC.400.BP	150	360	1950	233	439	306	190	403	367	166	8 + H1	22	630 x 236
FGC.460.BP	200	480	1730	280	505	356	220	475	423	193	10 + H1	22	710 x 265



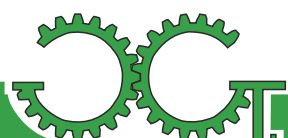


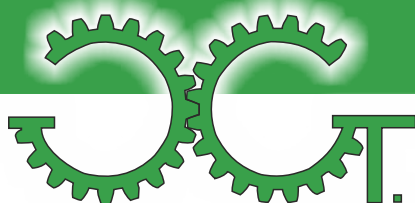
GEAR COUPLINGS WITH SHEAR PIN SAFETY DEVICE

FGC.SD SERIES



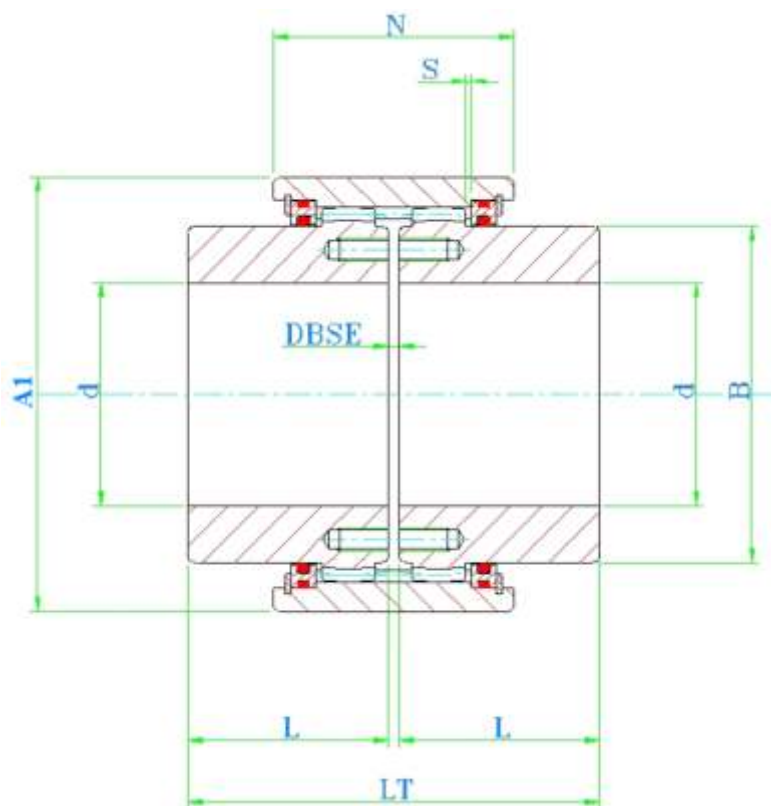
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	N [mm]
FGC.96.SD	1.9	4.2	6000	52	111	68	43	39
FGC.122.SD	2.9	6.8	4550	62	142	86	50	45.5
FGC.148.SD	5.7	14.0	4000	78	168	105	62	59
FGC.178.SD	9.0	21.5	3900	98	200	132	76	68
FGC.203.SD	14.5	35.0	3700	112	225	151	90	82.5
FGC.236.SD	22.8	54.7	3550	132	265	179	105	93
FGC.270.SD	34.8	83.5	3000	156	300	209	120	106
FGC.300.SD	45.8	110	2750	174	330	234	135	118
FGC.335.SD	70.8	170	2420	190	370	255	150	138
FGC.368.SD	85.4	205	2270	210	406	280	175	154
FGC.400.SD	150	360	1950	233	439	306	190	166
FGC.460.SD	200	480	1730	280	505	356	220	193



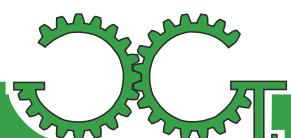


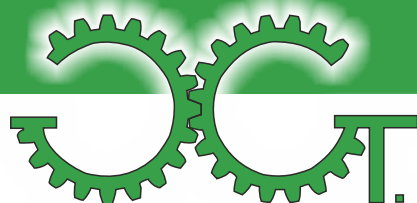
CONTINUOUS SLEEVE GEAR COUPLINGS

FGC.CS SERIES



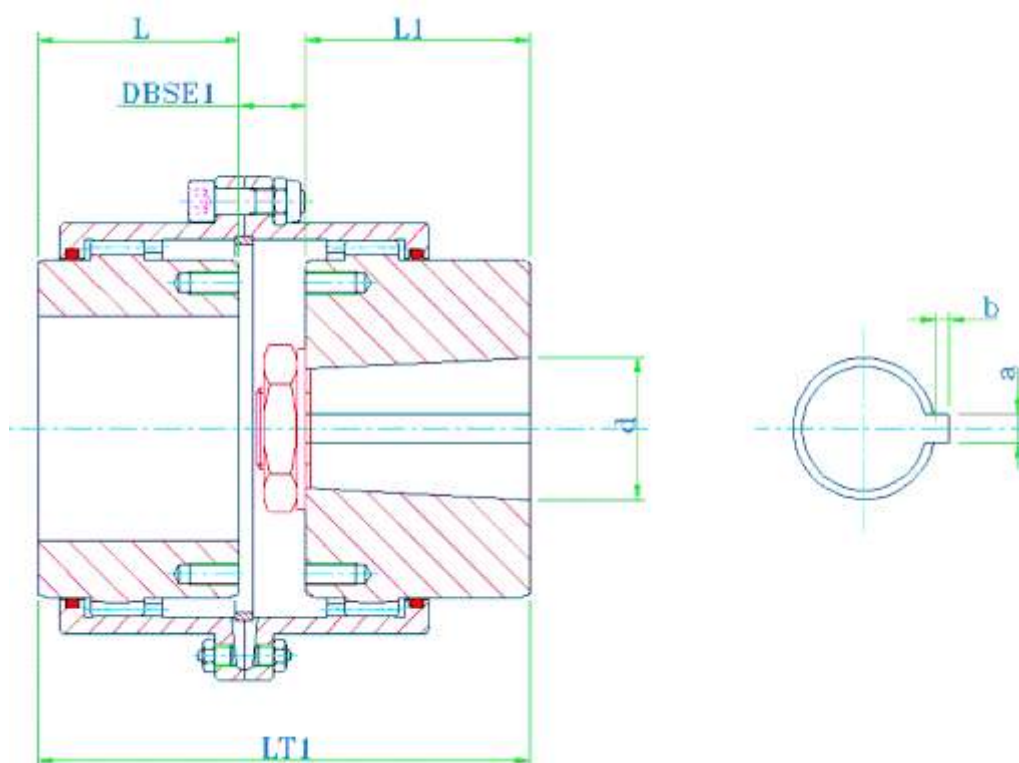
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A1 [mm]	B [mm]	L [mm]	LT [mm]	N [mm]	DBSE [mm]
FGC.96.CS	1.9	4.2	6000	52	88	68	43	89	63	3
FGC.122.CS	2.9	6.8	4550	62	108	86	50	103	74	3
FGC.148.CS	5.7	14.0	4000	78	133	105	62	127	89	3
FGC.178.CS	9.0	21.5	3900	98	163	132	76	157	102	5
FGC.203.CS	14.5	35.0	3700	112	188	151	90	185	108	5
FGC.236.CS	22.8	54.7	3550	132	213	179	105	216	118	6
FGC.270.CS	34.8	83.5	3000	156	248	209	120	246	130	6
FGC.300.CS	45.8	110	2750	174	278	234	135	278	138	8
FGC.335.CS	70.8	170	2420	190	313	255	150	308	156	8
FGC.368.CS	85.4	205	2270	210	338	280	175	358	152	8
FGC.400.CS	150	360	1950	233	368	306	190	388	160	8
FGC.460.CS	200	480	1730	280	423	356	220	450	180	10



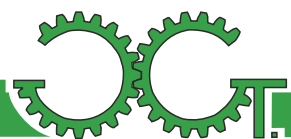


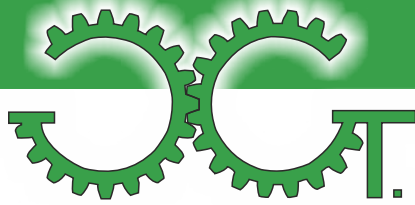
GEAR COUPLINGS MILL MOTOR

FGC.MM SERIES



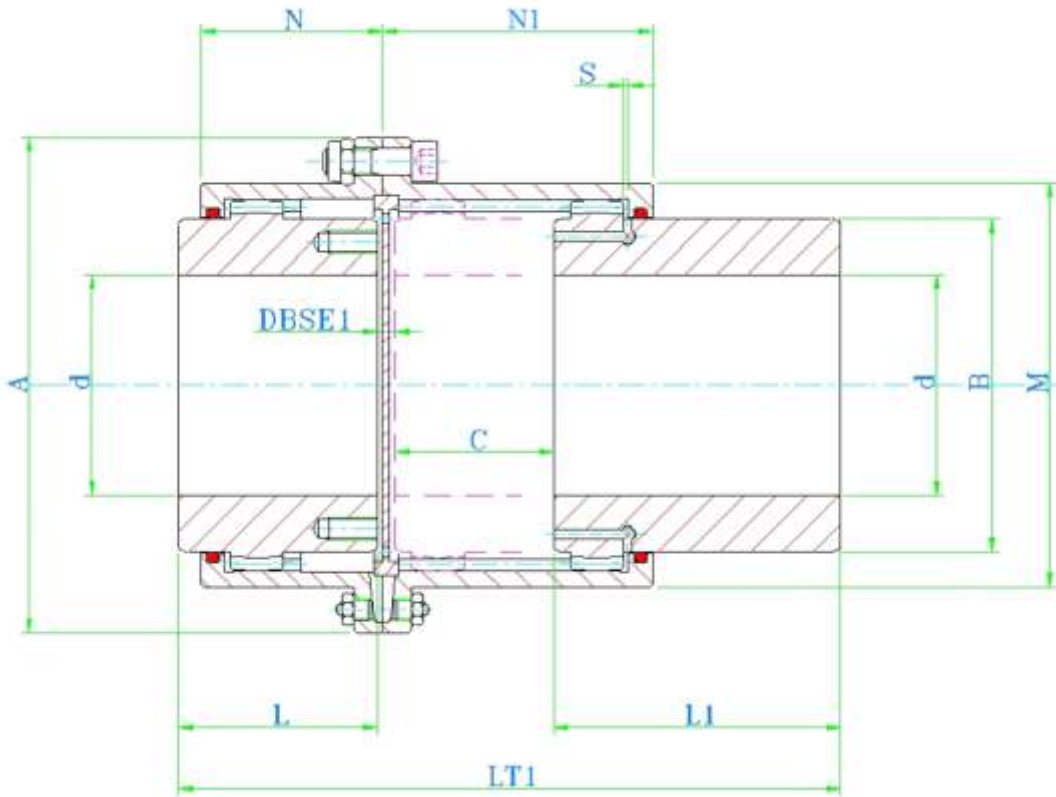
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L1 [mm]	LT1 [mm]	M [mm]	N [mm]	DBSE1 [mm]
FGC.96.MM	1.9	4.2	6000	52	111	68	105	151	82.5	39	28
FGC.122.MM	2.9	6.8	4550	62	142	86	115	168	104.6	45.5	30
FGC.148.MM	5.7	14.0	4000	78	168	105	130	195	130.5	59	30
FGC.178.MM	9.0	21.5	3900	98	200	132	150	231	158.4	68	35
FGC.203.MM	14.5	35.0	3700	112	225	151	170	265	183.4	82.5	41
FGC.236.MM	22.8	54.7	3550	132	265	179	185	296	211.5	93	46
FGC.270.MM	34.8	83.5	3000	156	300	209	215	296	245.5	106	52
FGC.300.MM	45.8	110	2750	174	330	234	245	341	275	118	54
FGC.335.MM	70.8	170	2420	190	370	255	295	388	307	138	70
FGC.368.MM	85.4	205	2270	210	406	280	300	453	335	154	70
FGC.400.MM	150	360	1950	233	439	306	305	483	367	166	70



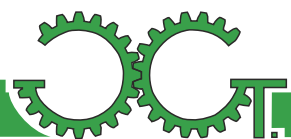


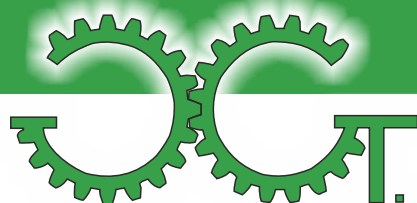
SLIDING GEAR COUPLINGS

FGC.SG SERIES



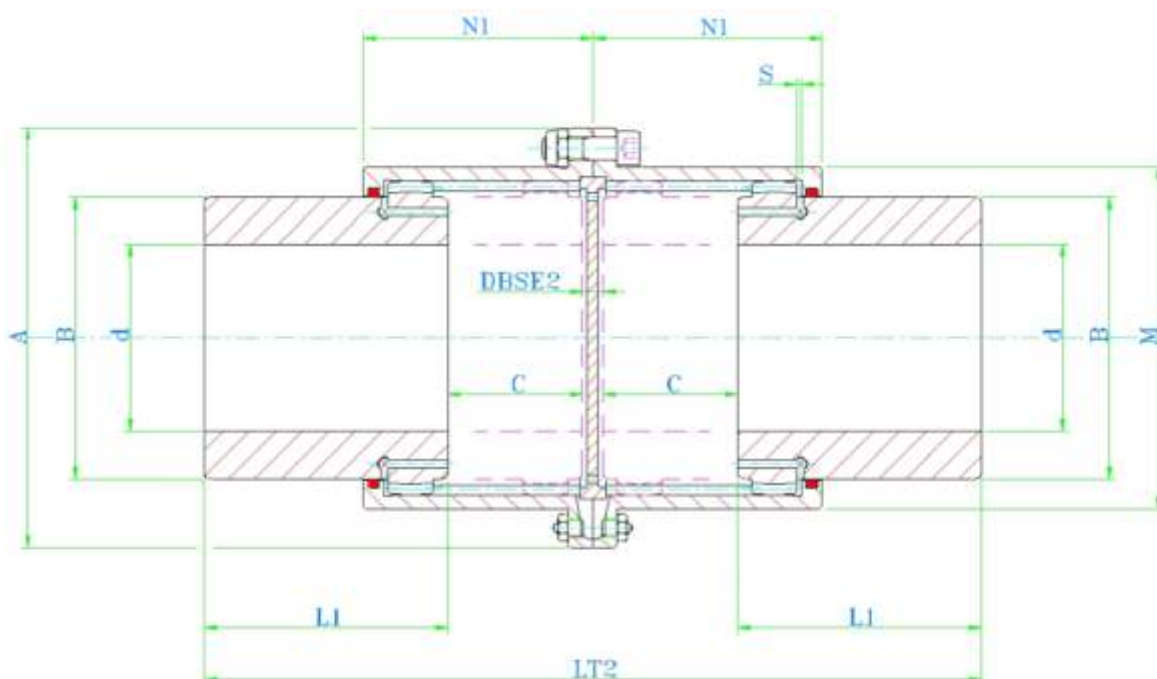
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	L1 [mm]	N [mm]	LT1 [mm]	N1 [mm]	DBSE1 [mm]	C [mm]
FGC.96.SG	1.9	4.2	6000	52	111	68	43	100	39	212	92	7	62
FGC.122.SG	2.9	6.8	4550	62	142	86	50	102	45.5	221	98	7	62
FGC.148.SG	5.7	14.0	4000	78	168	105	62	110	59	243	106	7	64
FGC.178.SG	9.0	21.5	3900	98	200	132	76	122	68	278	119	8	72
FGC.203.SG	14.5	35.0	3700	112	225	151	90	130	82.5	300	122	8	72
FGC.236.SG	22.8	54.7	3550	132	265	179	105	144	93	339	137	10	80
FGC.270.SG	34.8	83.5	3000	156	300	209	120	156	106	374	151	10	88
FGC.300.SG	45.8	110	2750	174	330	234	135	162	118	399	158	14	88
FGC.335.SG	70.8	170	2420	190	370	255	150	180	138	446	181	14	102
FGC.368.SG	85.4	205	2270	210	406	280	175	220	154	539	213	14	130
FGC.400.SG	150	360	1950	233	439	306	190	220	166	554	217	14	130
FGC.460.SG	200	480	1730	280	505	356	220	210	193	556	209	16	110



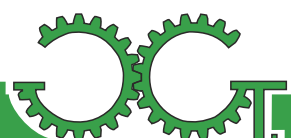


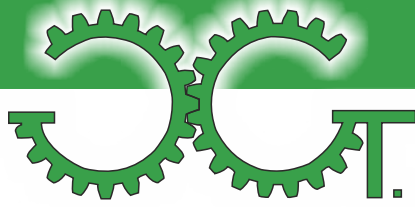
DOUBLE SLIDING GEAR COUPLINGS

FGC.SGG SERIES



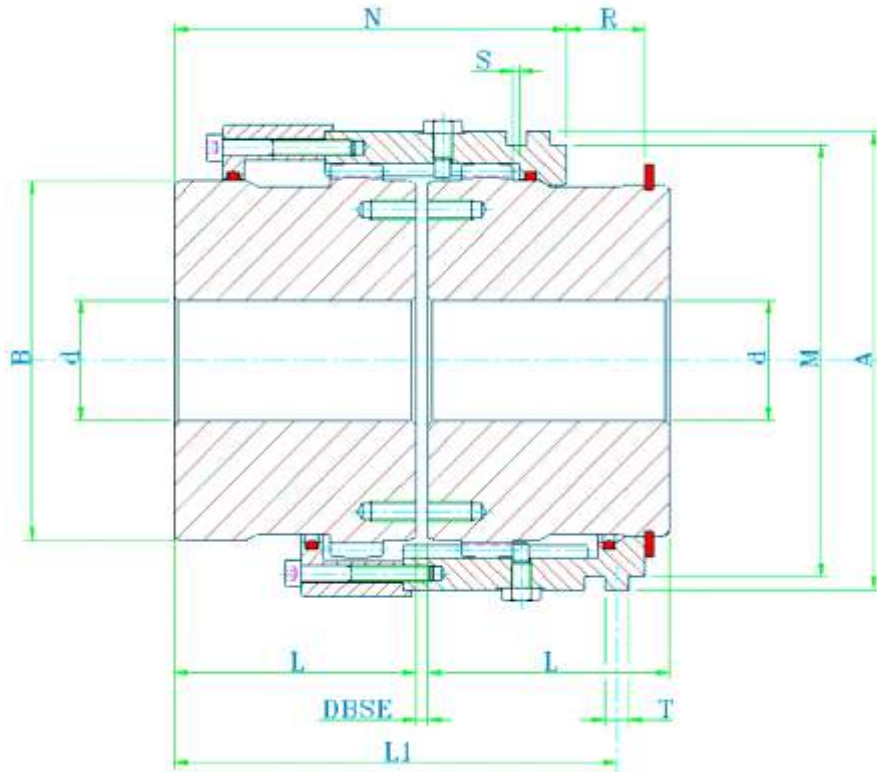
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L1 [mm]	N1 [mm]	DBSE2 [mm]	2 x C [mm]
FGC.96.SGG	1.9	4.2	6000	52	111	68	100	92	11	124
FGC.122.SGG	2.9	6.8	4550	62	142	86	102	98	11	124
FGC.148.SGG	5.7	14.0	4000	78	168	105	110	106	11	128
FGC.178.SGG	9.0	21.5	3900	98	200	132	122	119	11	144
FGC.203.SGG	14.5	35.0	3700	112	225	151	130	122	11	144
FGC.236.SGG	22.8	54.7	3550	132	265	179	144	137	14	160
FGC.270.SGG	34.8	83.5	3000	156	300	209	156	151	14	176
FGC.300.SGG	45.8	110	2750	174	330	234	162	158	20	176
FGC.335.SGG	70.8	170	2420	190	370	255	180	181	20	204
FGC.368.SGG	85.4	205	2270	210	406	280	220	213	20	260
FGC.400.SGG	150	360	1950	233	439	306	220	217	20	260
FGC.460.SGG	200	480	1730	280	505	356	210	209	22	220



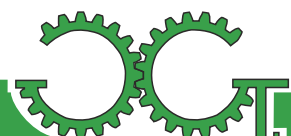


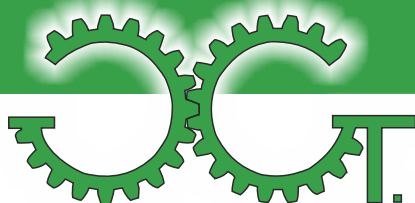
DISENGAGEABLE GEAR COUPLINGS

FGC.DI SERIES



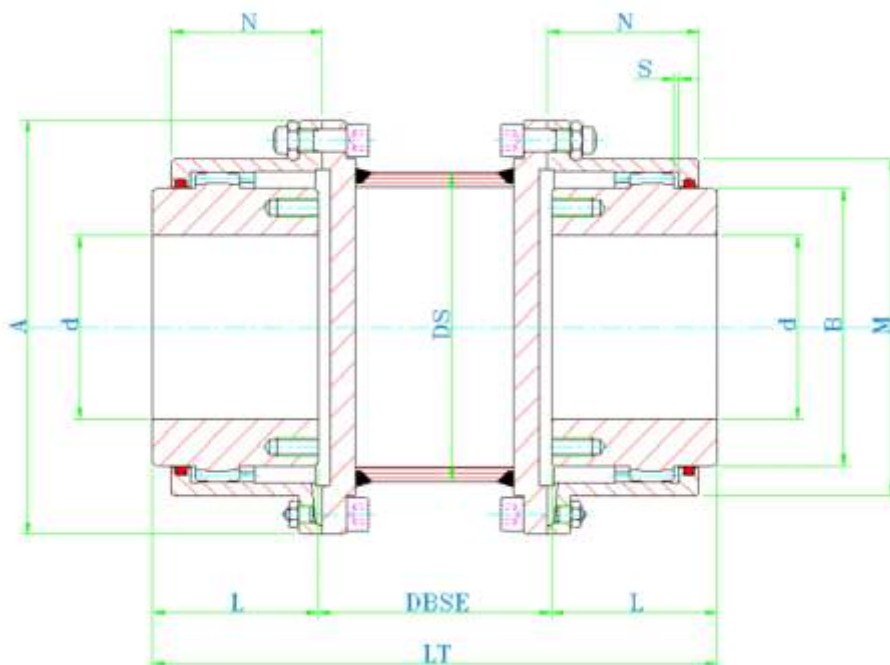
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	N [mm]	L1 [mm]	DBSE [mm]	T [mm]	M [mm]	R [mm]
FGC.96.DI	1.9	4.55	3000	52	98	68	60	98	112	3	6	90	17
FGC.122.DI	2.9	7	2500	62	118	86	70	111	124	3	6	110	22
FGC.148.DI	5.85	14	2000	78	150	105	85	135.5	152.5	3	8	138	29
FGC.178.DI	9.15	22	1800	98	173	132	95	155.5	176	5	8	161	32
FGC.203.DI	14.8	35.5	1500	112	198	151	105	170.5	192.5	5	8	186	34
FGC.236.DI	23.9	57.4	1350	132	228	179	120	195	220	6	12	215	39
FGC.270.DI	36.5	87.7	1200	156	258	209	130	206	235	6	12	248	45
FGC.300.DI	46.3	111.1	1100	174	288	234	150	238	272	8	12	273	50
FGC.335.DI	73.5	176.3	950	190	318	255	175	279	319	8	12	300	56
FGC.368.DI	88.2	211.7	900	210	348	280	190	303	348	8	12	329	62
FGC.400.DI	160	384	800	233	393	306	220	356	407	8	12	374	70
FGC.460.DI	213.5	513	700	280	448	356	250	404	461	10	16	356	77



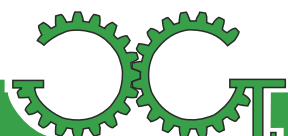


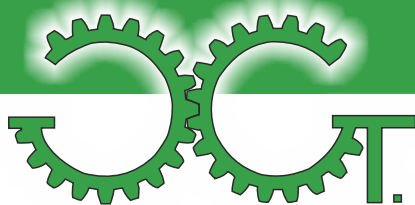
GEAR COUPLINGS WITH TUBULAR SPACER

FGC.T SERIES



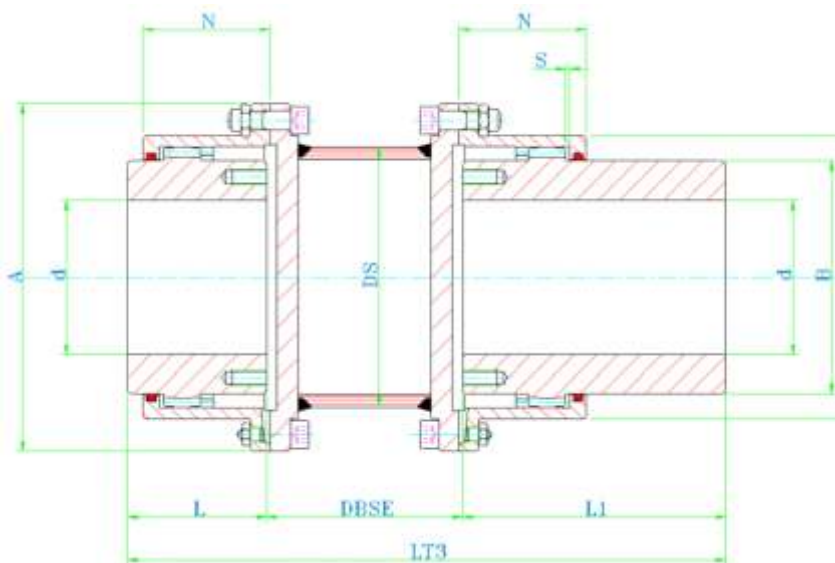
SIZE	T _k [kNm]	T _{max} [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	L1 [mm]	M [mm]	N [mm]	DS [mm]
FGC.96.T	1.9	4.2	6000	52	111	68	43	105	82.5	39	82.5
FGC.122.T	2.9	6.8	4550	62	142	86	50	115	104.6	45.5	88.9
FGC.148.T	5.7	14.0	4000	78	168	105	62	130	130.5	59	127
FGC.178.T	9.0	21.5	3900	98	200	132	76	150	158.4	68	139
FGC.203.T	14.5	35.0	3700	112	225	151	90	170	183.4	82.5	168
FGC.236.T	22.8	54.7	3550	132	265	179	105	185	211.5	93	168
FGC.270.T	34.8	83.5	3000	156	300	209	120	215	245.5	106	219
FGC.300.T	45.8	110	2750	174	330	234	135	245	275	118	273
FGC.335.T	70.8	170	2420	190	370	255	150	295	307	138	273
FGC.368.T	85.4	205	2270	210	406	280	175	300	335	154	324
FGC.400.T	150	360	1950	233	439	306	190	305	367	166	355
FGC.460.T	200	480	1730	280	505	356	220	310	423	193	406





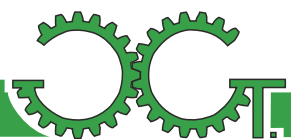
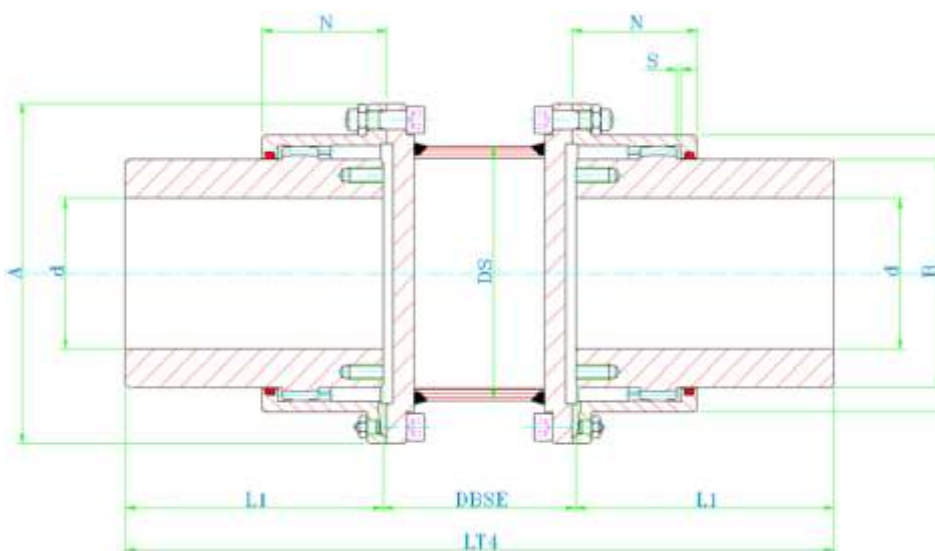
GEAR COUPLINGS WITH TUBULAR SPACER & 1 LONGER HUB

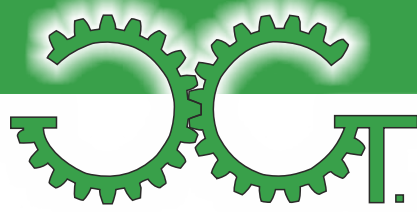
FGC.TL SERIES



GEAR COUPLINGS WITH TUBULAR SPACER & 2 LONGER HUBS

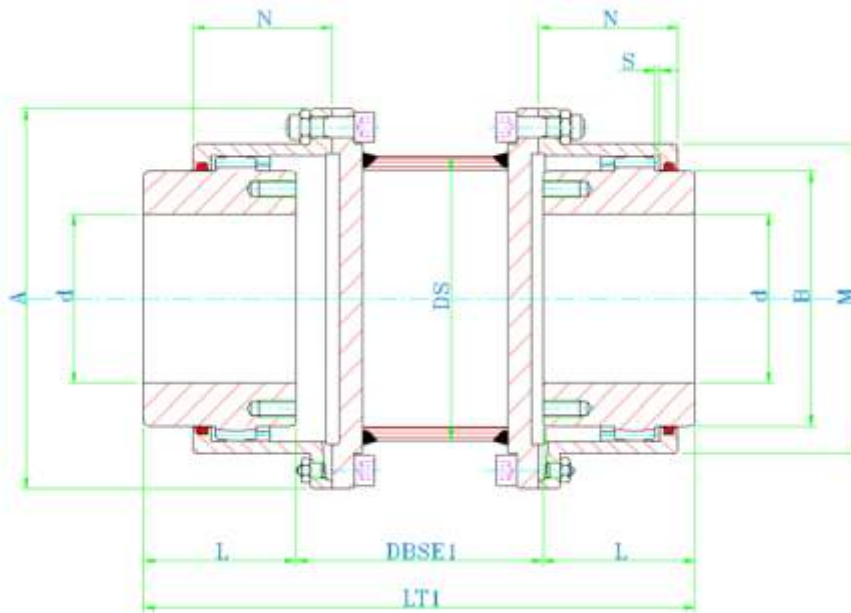
FGC.TLL SERIES





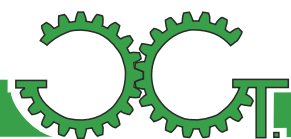
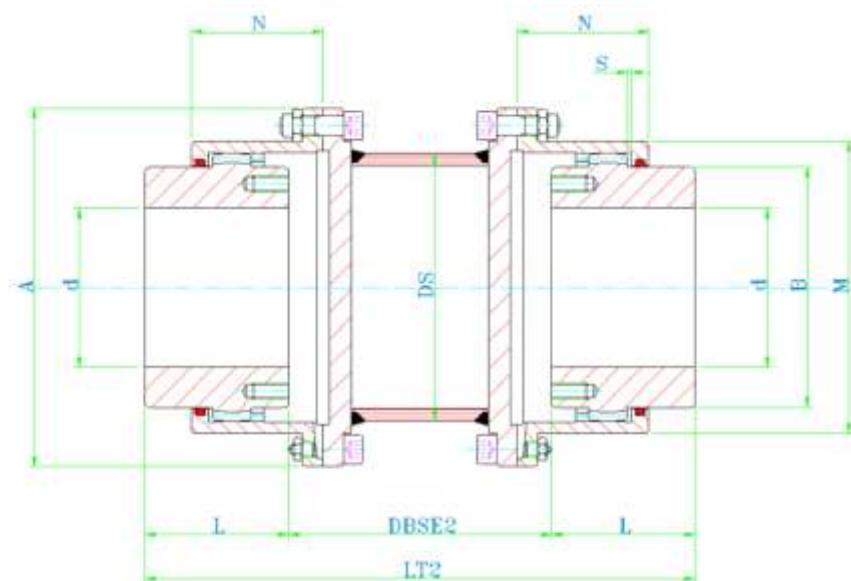
GEAR COUPLINGS WITH TUBULAR SPACER & 1 REVERSED HUB

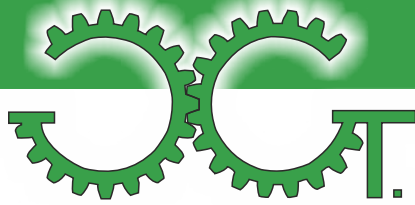
FGC.TR SERIES



GEAR COUPLINGS WITH TUBULAR SPACER & BOTH REVERSED HUBS

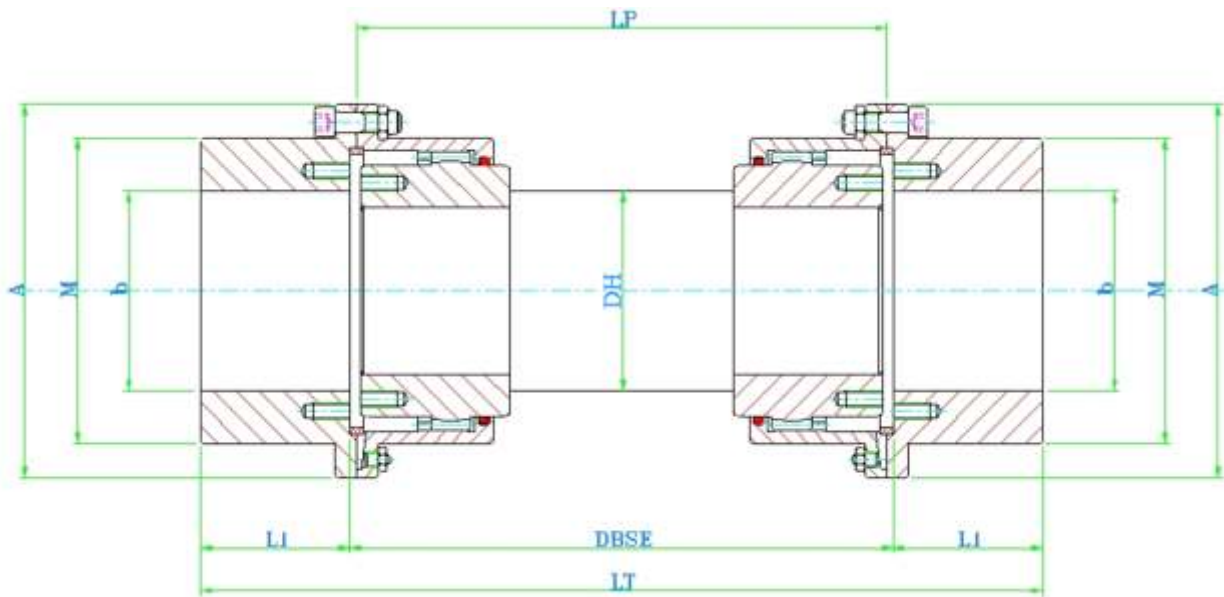
FGC.TRR SERIES



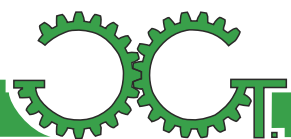


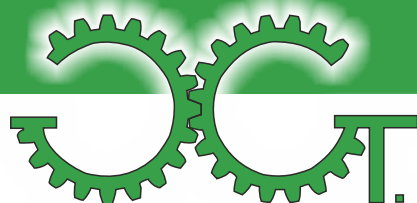
GEAR COUPLINGS WITH INTERMEDIATE FLOATING SHAFT

FGC.S SERIES



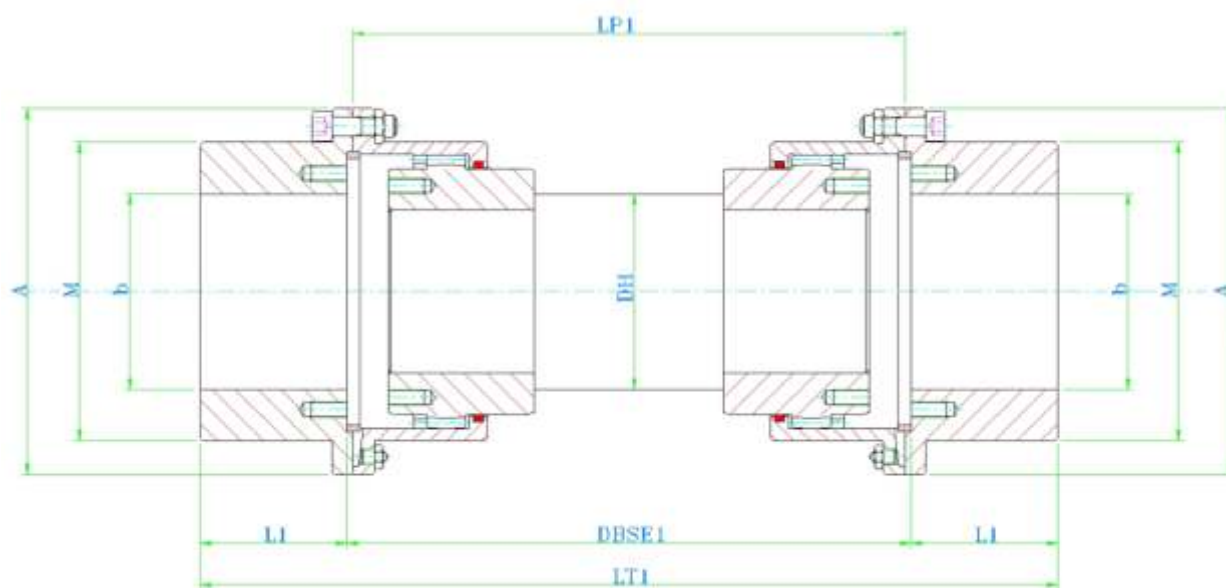
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L1 [mm]	M [mm]	N [mm]	DH [mm]
FGC.96.S	1.9	4.2	6000	52	111	68	43	82.5	39	55
FGC.122.S	2.9	6.8	4550	62	142	86	50	104.6	45.5	65
FGC.148.S	5.7	14.0	4000	78	168	105	62	130.5	59	80
FGC.178.S	9.0	21.5	3900	98	200	132	76	158.4	68	100
FGC.203.S	14.5	35.0	3700	112	225	151	90	183.4	82.5	115
FGC.236.S	22.8	54.7	3550	132	265	179	105	211.5	93	135
FGC.270.S	34.8	83.5	3000	156	300	209	120	245.5	106	160
FGC.300.S	45.8	110	2750	174	330	234	135	275	118	180
FGC.335.S	70.8	170	2420	190	370	255	150	307	138	195
FGC.368.S	85.4	205	2270	210	406	280	175	335	154	215
FGC.400.S	150	360	1950	233	439	306	190	367	166	235
FGC.460.S	200	480	1730	280	505	356	220	423	193	285



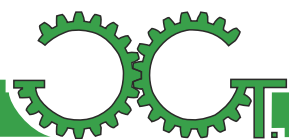


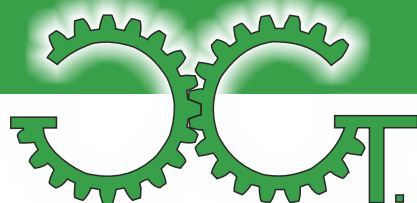
GEAR COUPLINGS WITH INTERMEDIATE FLOATING SHAFT AND REVERSED HUBS

FGC.SR SERIES



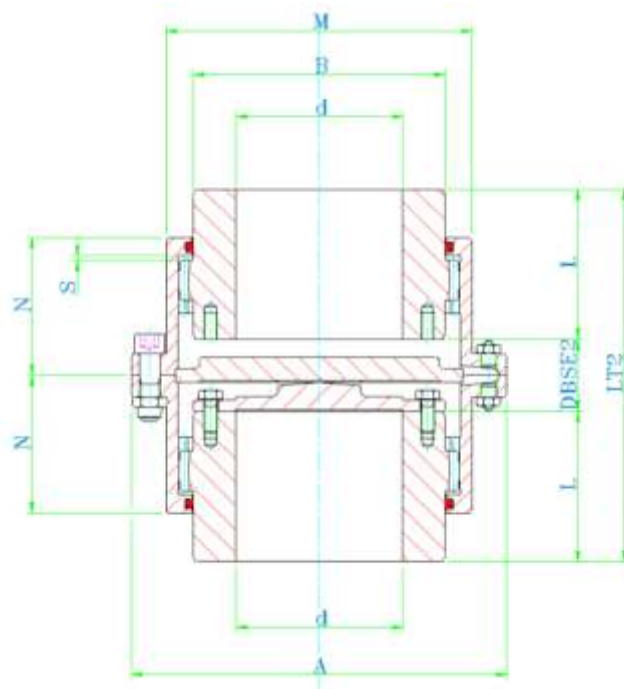
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L1 [mm]	M [mm]	DH [mm]
FGC.96.SR	1.9	4.2	6000	52	111	68	43	82.5	55
FGC.122.SR	2.9	6.8	4550	62	142	86	50	104.6	65
FGC.148.SR	5.7	14.0	4000	78	168	105	62	130.5	80
FGC.178.SR	9.0	21.5	3900	98	200	132	76	158.4	100
FGC.203.SR	14.5	35.0	3700	112	225	151	90	183.4	115
FGC.236.SR	22.8	54.7	3550	132	265	179	105	211.5	135
FGC.270.SR	34.8	83.5	3000	156	300	209	120	245.5	160
FGC.300.SR	45.8	110	2750	174	330	234	135	275	180
FGC.335.SR	70.8	170	2420	190	370	255	150	307	195
FGC.368.SR	85.4	205	2270	210	406	280	175	335	215
FGC.400.SR	150	360	1950	233	439	306	190	367	235
FGC.460.SR	200	480	1730	280	505	356	220	423	285



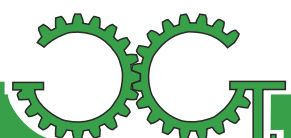


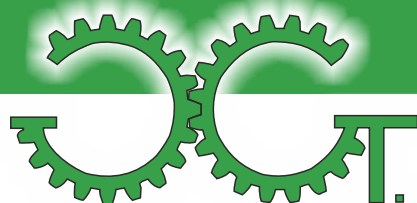
GEAR COUPLINGS FOR VERTICAL APPLICATION

FGC.V SERIES



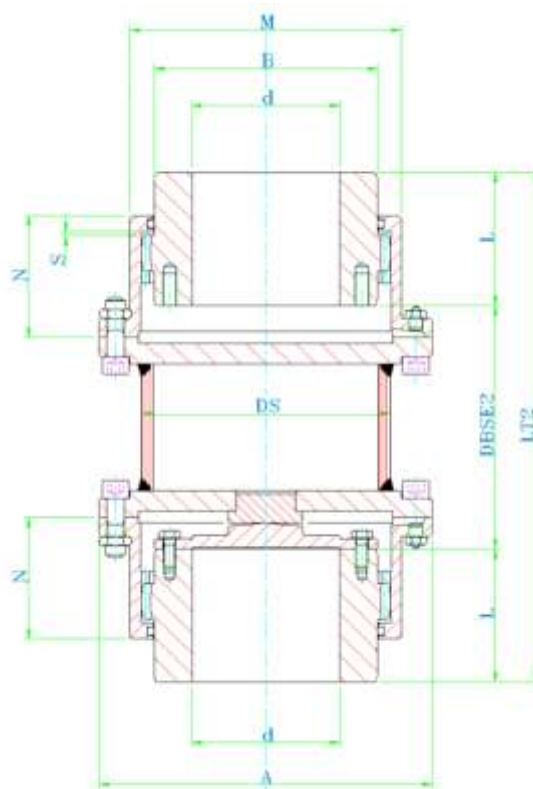
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT2 [mm]	M [mm]	N [mm]	DBSE2 [mm]
FGC.96.V	1.9	4.2	6000	52	111	68	43	109	82.5	39	23
FGC.122.V	2.9	6.8	4550	62	142	86	50	123	104.6	45.5	23
FGC.148.V	5.7	14.0	4000	78	168	105	62	155	130.5	59	31
FGC.178.V	9.0	21.5	3900	98	200	132	76	183	158.4	68	31
FGC.203.V	14.5	35.0	3700	112	225	151	90	223	183.4	82.5	43
FGC.236.V	22.8	54.7	3550	132	265	179	105	258	211.5	93	48
FGC.270.V	34.8	83.5	3000	156	300	209	120	298	245.5	106	58
FGC.300.V	45.8	110	2750	174	330	234	135	336	275	118	66
FGC.335.V	70.8	170	2420	190	370	255	150	392	307	138	92
FGC.368.V	85.4	205	2270	210	406	280	175	448	335	154	98
FGC.400.V	150	360	1950	233	439	306	190	488	367	166	108
FGC.460.V	200	480	1730	280	505	356	220	450	423	193	134



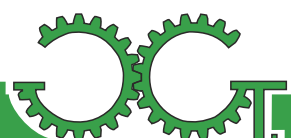


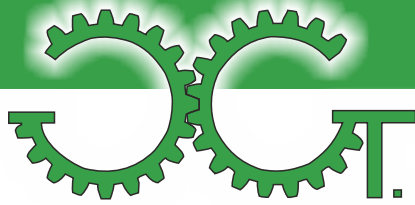
GEAR COUPLINGS WITH TUBULAR SPACER FOR VERTICAL APPLICATION

FGC.TV SERIES



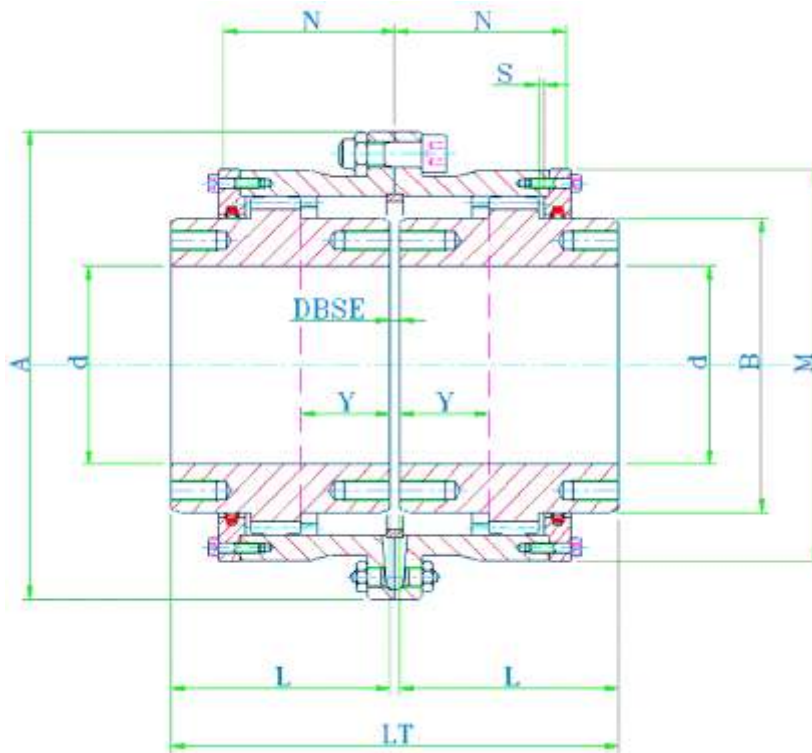
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	M [mm]	N [mm]
FGC.96.TV	1.9	4.2	6000	52	111	68	43	82.5	39
FGC.122.TV	2.9	6.8	4550	62	142	86	50	104.6	45.5
FGC.148.TV	5.7	14.0	4000	78	168	105	62	130.5	59
FGC.178.TV	9.0	21.5	3900	98	200	132	76	158.4	68
FGC.203.TV	14.5	35.0	3700	112	225	151	90	183.4	82.5
FGC.236.TV	22.8	54.7	3550	132	265	179	105	211.5	93
FGC.270.TV	34.8	83.5	3000	156	300	209	120	245.5	106
FGC.300.TV	45.8	110	2750	174	330	234	135	275	118
FGC.335.TV	70.8	170	2420	190	370	255	150	307	138
FGC.368.TV	85.4	205	2270	210	406	280	175	335	154
FGC.400.TV	150	360	1950	233	439	306	190	367	166
FGC.460.TV	200	480	1730	280	505	356	220	423	193



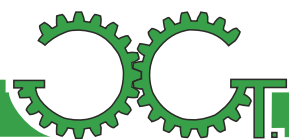


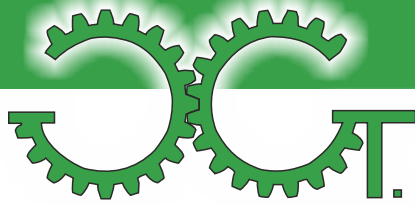
STAINLESS STEEL GEAR COUPLINGS

FGC.SS SERIES



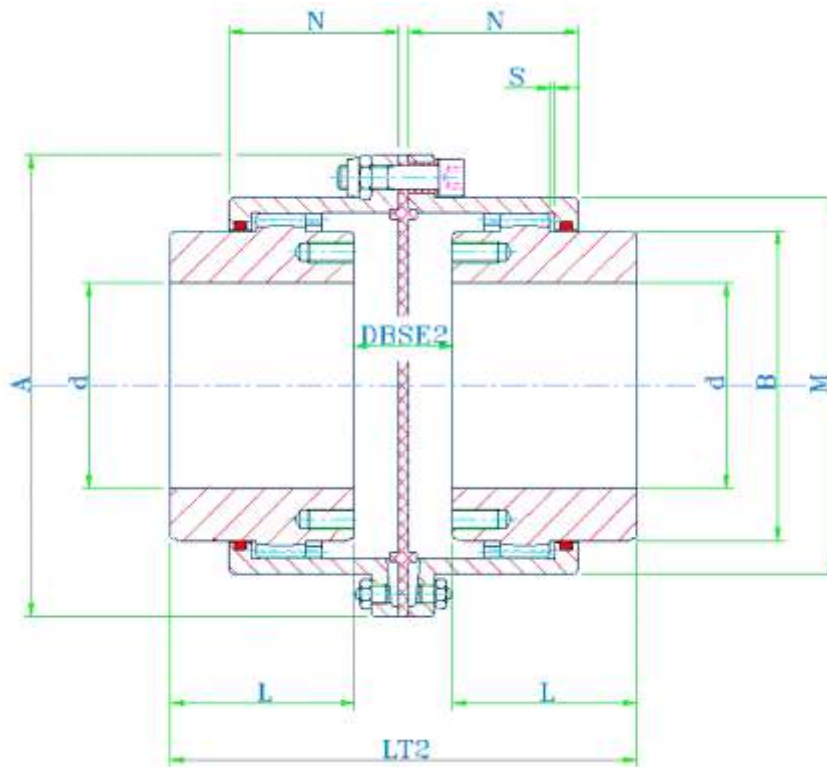
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT [mm]	M [mm]	N [mm]	DBSE [mm]
FGC.96.SS	3.6	7.2	6000	52	111	68	43	89	82.5	39	3
FGC.122.SS	5.6	11.2	4550	62	142	86	50	103	104.6	45.5	3
FGC.148.SS	11	22	4000	78	168	105	62	127	130.5	59	3
FGC.178.SS	18	36	3900	98	200	132	76	157	158.4	68	5
FGC.203.SS	27	54	3700	112	225	151	90	185	183.4	82.5	5
FGC.236.SS	43	86	3550	132	265	179	105	216	211.5	93	6
FGC.270.SS	74	148	3000	156	300	209	120	246	245.5	106	6
FGC.300.SS	109	218	2750	174	330	234	135	278	275	118	8
FGC.335.SS	133	266	2420	190	370	255	150	308	307	138	8
FGC.368.SS	215	430	2270	210	406	280	175	358	335	154	8
FGC.400.SS	265	530	1950	233	439	306	190	388	367	166	8
FGC.460.SS	330	660	1730	280	505	356	220	450	423	193	10



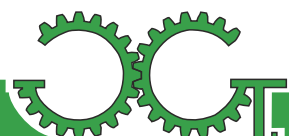


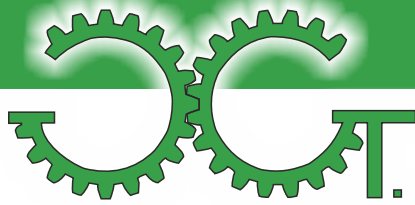
GEAR COUPLINGS WITH ELECTRICAL INSULATION

FGC.EI SERIES



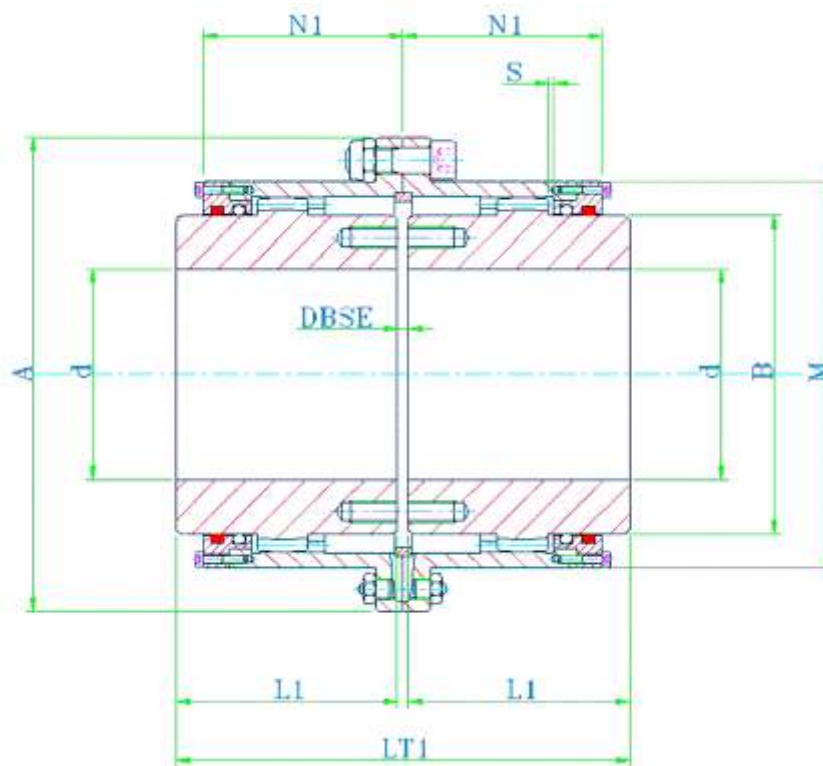
SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L [mm]	LT [mm]	M [mm]	N [mm]	DBSE2 [mm]
FGC.96.EI	1.9	4.2	6000	52	111	68	43	93	82.5	39	10
FGC.122.EI	2.9	6.8	4550	62	142	86	50	113	104.6	45.5	16
FGC.148.EI	5.7	14.0	4000	78	168	105	62	149	130.5	59	28
FGC.178.EI	9.0	21.5	3900	98	200	132	76	190	158.4	68	42
FGC.203.EI	14.5	35.0	3700	112	225	151	90	223	183.4	82.5	47
FGC.236.EI	22.8	54.7	3550	132	265	179	105	258	211.5	93	52
FGC.270.EI	34.8	83.5	3000	156	300	209	120	298	245.5	106	63
FGC.300.EI	45.8	110	2750	174	330	234	135	336	275	118	71
FGC.335.EI	70.8	170	2420	190	370	255	150	392	307	138	97
FGC.368.EI	85.4	205	2270	210	406	280	175	448	335	154	103
FGC.400.EI	150	360	1950	233	439	306	190	488	367	166	113
FGC.460.EI	200	480	1730	280	505	356	220	574	423	193	139



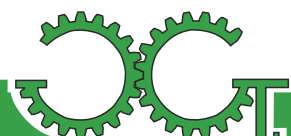


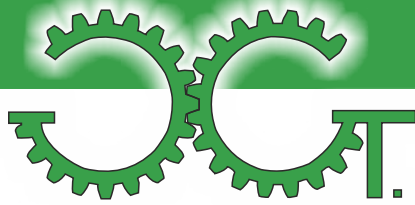
GEAR COUPLINGS WITH FELT SEALS

FGC.FE SERIES

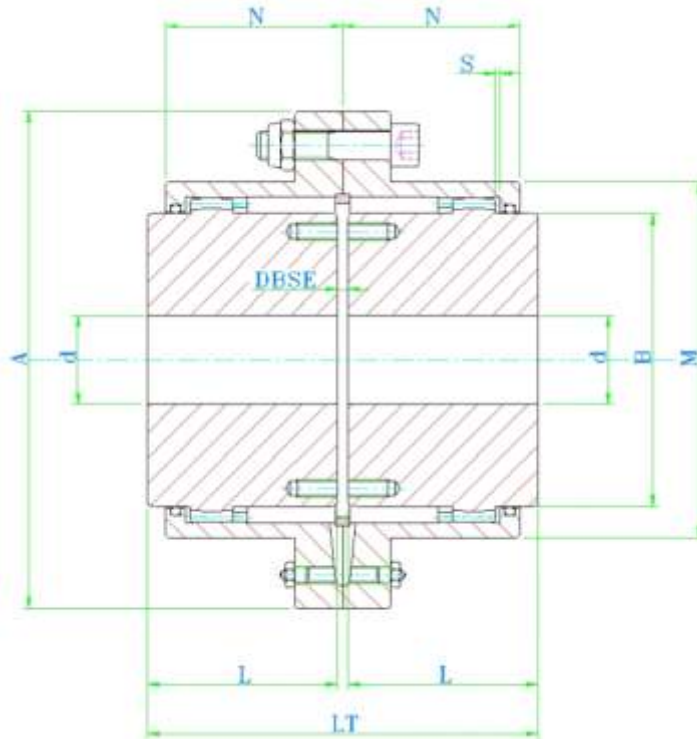


SIZE	Tk [kNm]	Tmax [kNm]	MAX SPEED [rpm]	MAX BORE d [mm]	A [mm]	B [mm]	L1 [mm]	LT1 [mm]	M [mm]	DBSE [mm]
FGC.96.FE	1.9	4.2	6000	52	111	68	105	213	82.5	3
FGC.122.FE	2.9	6.8	4550	62	142	86	115	233	104.6	3
FGC.148.FE	5.7	14.0	4000	78	168	105	130	263	130.5	3
FGC.178.FE	9.0	21.5	3900	98	200	132	150	305	158.4	5
FGC.203.FE	14.5	35.0	3700	112	225	151	170	345	183.4	5
FGC.236.FE	22.8	54.7	3550	132	265	179	185	376	211.5	6
FGC.270.FE	34.8	83.5	3000	156	300	209	215	436	245.5	6
FGC.300.FE	45.8	110	2750	174	330	234	245	498	275	8
FGC.335.FE	70.8	170	2420	190	370	255	295	598	307	8
FGC.368.FE	85.4	205	2270	210	406	280	300	608	335	8
FGC.400.FE	150	360	1950	233	439	306	305	618	367	8
FGC.460.FE	200	480	1730	280	505	356	310	630	423	10

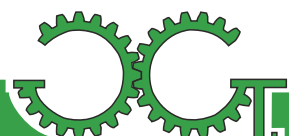


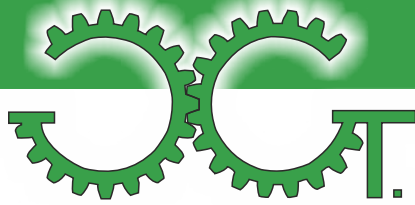


AGMA GEAR COUPLINGS SERIES

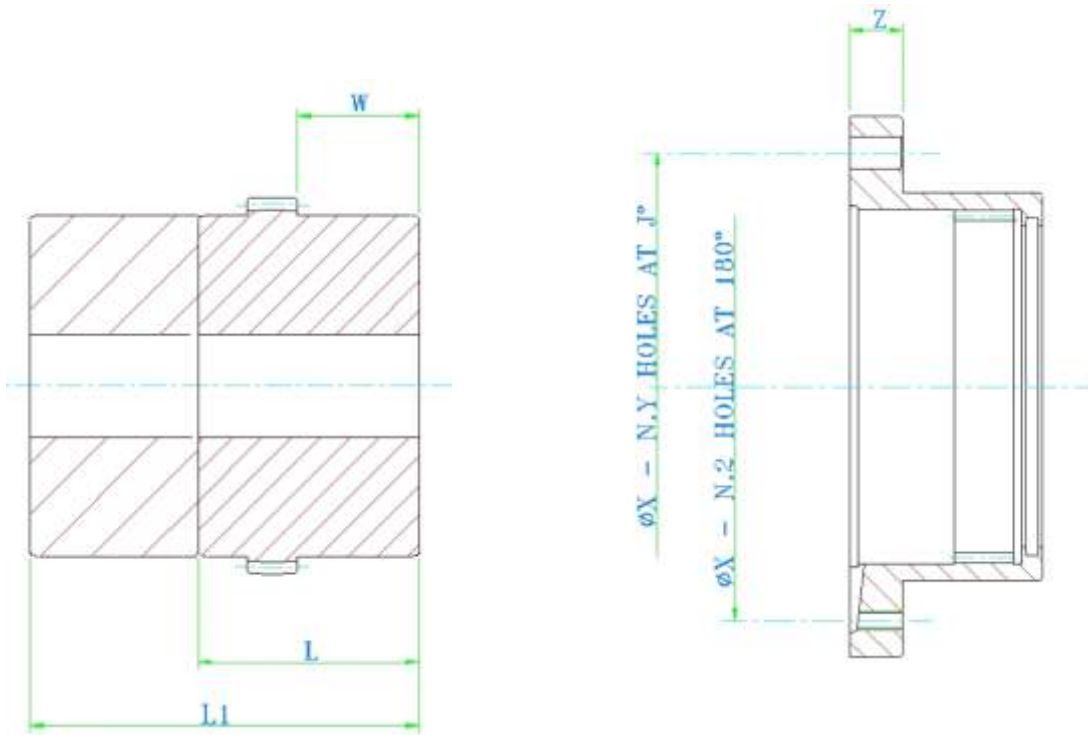


SIZE	Nominal Torque LB-IN	Nominal Torque [kNm]	MAX SPEED [rpm]	MAX BORE d [inch]	MAX BORE [mm]	A [inch]	M [inch]	N [inch]	LT [inch]	B [inch]	DBSE [inch]
A 1	8,850	1.0	6200	1.65	42	4.56	3.06	1.66	3.50	2.31	0.13
A 1.5	19,400	2.2	5700	2.2	56	6.00	3.97	1.88	4.00	3	0.13
A 2	36,200	4.1	5100	2.75	70	7.00	4.86	2.38	5.00	4	0.13
A 2.5	62,800	7.1	4450	3.35	85	8.38	5.84	2.88	6.25	4.63	0.19
A 3	97,300	11	4100	4.21	107	9.44	6.84	3.31	7.38	5.63	0.19
A 3.5	152,200	17.2	3550	4.92	125	11.00	7.91	3.81	8.63	6.50	0.25
A 4	221,200	25	3100	5.5	140	12.50	9.25	4.25	9.75	7.50	0.25
A 4.5	310,600	35.1	2750	6.3	160	13.63	10.38	4.81	10.94	8.50	0.31
A 5	453,100	51.2	2550	6.7	170	15.31	11.56	5.50	12.38	9.50	0.31
A 5.5	691,200	78.1	2250	7.75	197	16.75	12.72	6.00	14.13	10.50	0.31
A 6	794,800	89.8	2100	8.4	213	18.00	14.00	6.69	15.13	11.50	0.31
A 7	1,196,600	135.2	2000	10	254	20.75	15.75	7.38	17.75	13.00	0.38

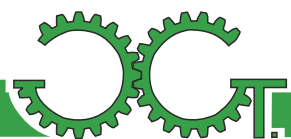


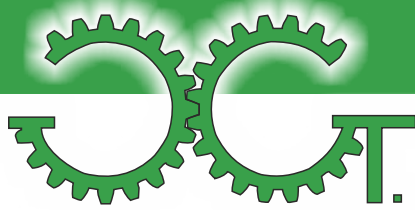


AGMA GEAR COUPLINGS SERIES COMPONENTS: HUBS & SLEEVES DETAILS



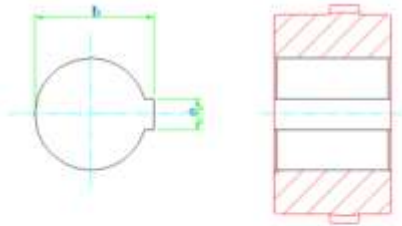
SIZE	Distance between hole centers "X"	Bolts		Flange Thickness Z	Standard Hub Length L	Longer Hub Length L1	W
		Q.ty	Size				
A 1	3.750	6	1/4	0.52	1.69	4.00	0.75
A 1.5	4.812	8	3/8	0.76	1.94	4.50	0.81
A 2	5.875	6	1/2	0.76	2.44	4.50	1.25
A 2.5	7.125	6	5/8	0.85	3.03	6.50	1.53
A 3	8.125	8	5/8	0.85	3.59	7.00	1.69
A 3.5	9.500	8	3/4	1.06	4.19	7.50	1.88
A 4	11.000	8	3/4	1.06	4.75	8.25	2.16
A 4.5	12.000	10	3/4	1.06	5.31	9.00	2.56
A 5	13.500	8	7/8	1.45	6.03	9.50	2.94
A 5.5	14.500	14	7/8	1.45	6.91	10.50	3.19
A 6	15.750	14	7/8	1.00	7.41	AVAILABLE ON DEMAND	
A 7	18.250	16	1	1.12	8.69		



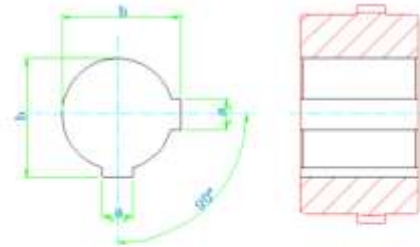


FINISHED BORE TYPOLOGY

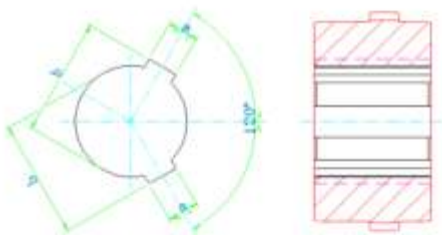
CYLINDRICAL FINISHED BORE & 1 KEYWAY



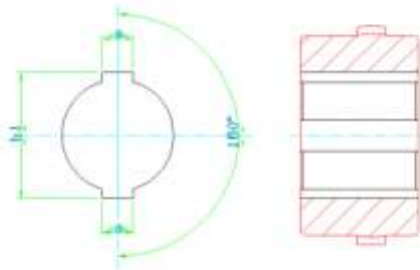
CYLINDRICAL FINISHED BORE & 2 KEYWAYS @ 90°



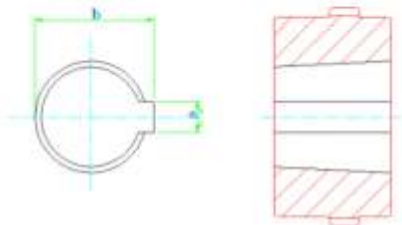
CYLINDRICAL FINISHED BORE & 2 KEYWAYS @ 120°



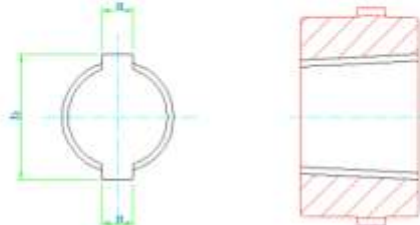
CYLINDRICAL FINISHED BORE & 2 KEYWAYS @ 180°



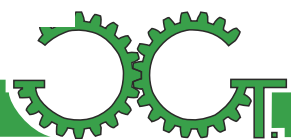
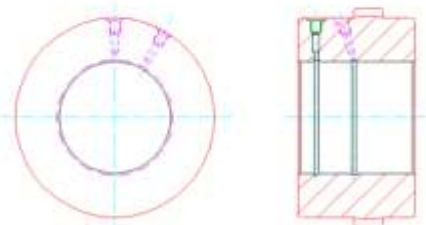
TAPERED FINISHED BORE & 1 KEYWAY

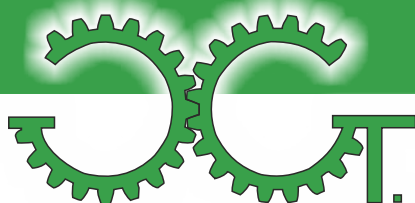


TAPERED FINISHED BORE & 2 KEYWAYS @ 180°



CYLINDRICAL FINISHED BORE WITH SHRINK FITTING & OIL PRESSURE REMOVAL





INSTALLATION, MAINTENANCE & LUBRICATION

Instructions for installation:

- 1) Disassemble the GGT gear coupling into its main components hubs and sleeves.
- 2) Ensure that all components are clean.
- 3) Place the sleeves or flanges seal covers on the shafts.
- 4) Run the pitch of the hubs on the shafts, if you proceed to heating of the hubs, never exceed a temperature of 170°C.
- 5) To ensure optimum lifetime of the GGT gear coupling is necessary to perform the alignment of the shafts in a scrupulous way. To perform the alignment, use a comparator fixed on one of the two hubs and make it rotate on the other hub (fig.8), reading the value divided by two gives the value of the parallel misalignment. The angular misalignment must be checked with a comparator fixed on a hub and made to rotate on the facade of the other hub (fig.8), or with controlled thickness gauge in at least three position at 120°C (fig.9). In case of installation of gear couplings complete with extensions run laser alignment, if you can not use the laser, follow the instructions according to the figure 10.
- 6) After the shaft alignment is executed, proceed with the lubrication of the seals and the installation of the sleeves on the hubs.
- 7) Put together the sleeves using the screws provided with the gear coupling, that have to be tightened at the proper torque.(see fig.11)

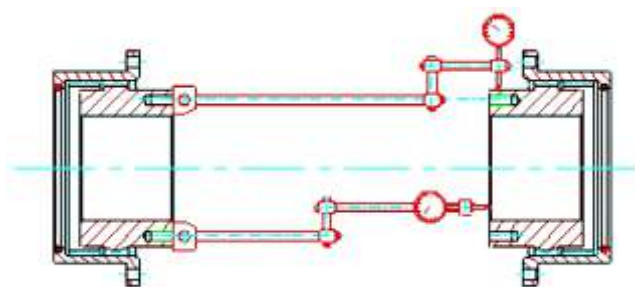


Fig.8

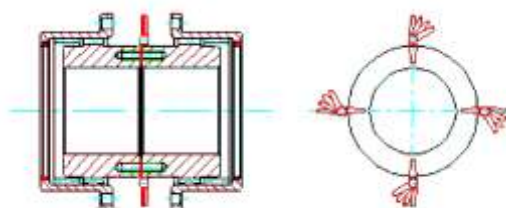


Fig.9

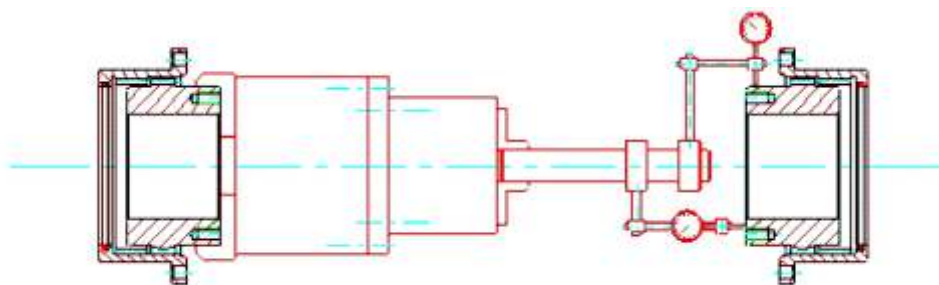
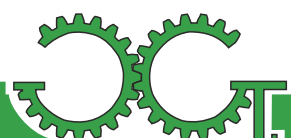
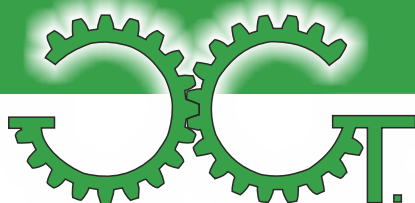


Fig.10





SIZE	Tightening torque [Nm]	Distance between hole centers [mm]	N. of holes	Hole diameter H8-d8
FGC.96	18	96	6	8/M8
FGC.122	36	122	8	10/M10
FGC.148	36	148	10	10/M10
FGC.178	65	178	10	12/M12
FGC.203	65	203	12	12/M12
FGC.236	150	236	12	16/M16
FGC.270	150	270	14	16/M16
FGC.300	150	300	14	16/M16
FGC.335	220	335	14	18/M18
FGC.368	400	368	14	22/M22
FGC.400	400	400	14	22/M22
FGC.460	520	460	16	24/M24

Fig.11

8) To obtain an adequate lifetime of the coupling, the proper lubrication is a critical step: run the filling through the grease nipples places on the sleeves until total filling of the same. In the periods immediately after the start-up, lubricate every two months, then every four months. Every two years or 10,000 hours of operation, perform the complete replacement of the grease.

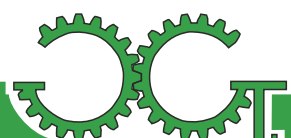
The GGT gear couplings are supplied with no lubricant.

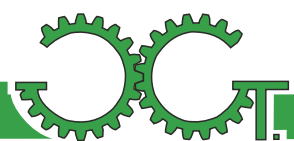
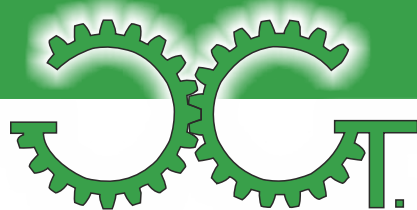
If the coupling is equipped with self-lubricating device you need to fill only once a year, the same will automatically be distributing it evenly to the joint.

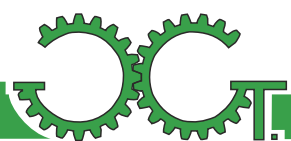
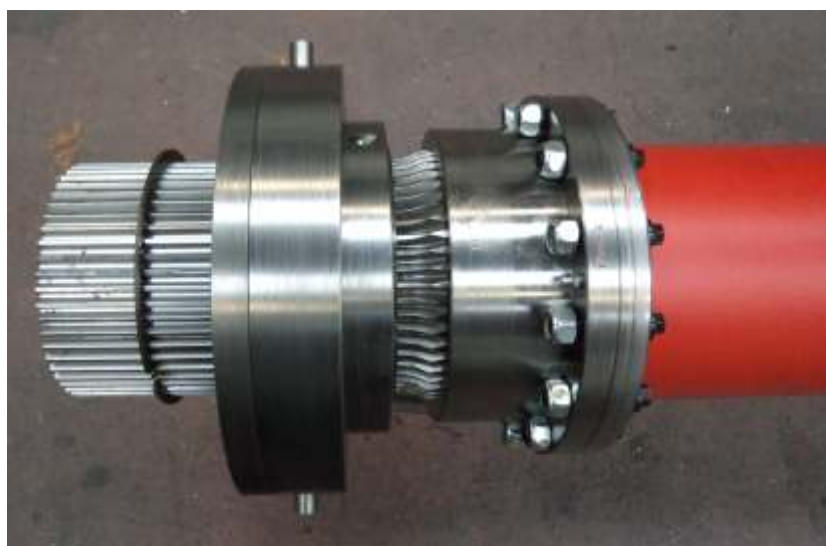
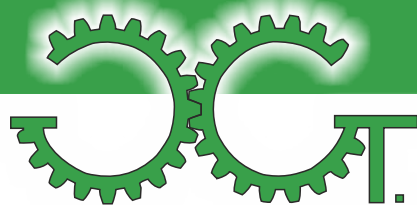
Suitable lubricants for the proper functioning of the gear coupling GGT respects the features indicated below:

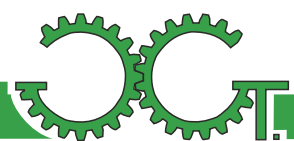
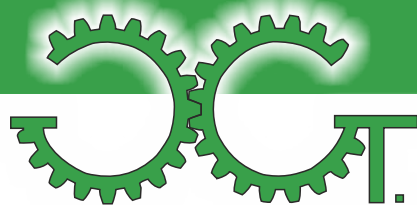
LUBRICANT FEATURES

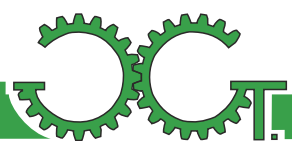
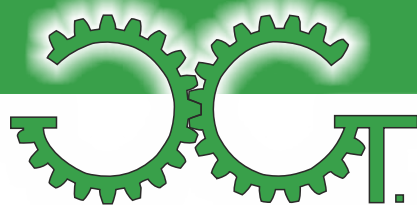
Thickener:	Lithium complex
NLGI Grade:	2
Application range of temperature:	- 30°C + 160°C
Penetration at 25°C:	265 - 295 (0.1 mm)
Anti-rust performance:	YES
Dropping Point:	> 260°C
Base oil viscosity at 40°C:	340 mm ² /s (cSt)





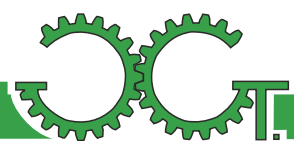


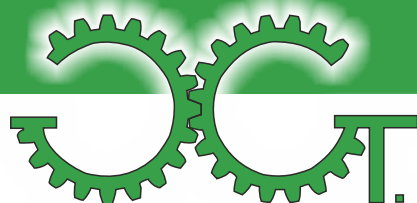




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Stabilimento ed Uffici

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