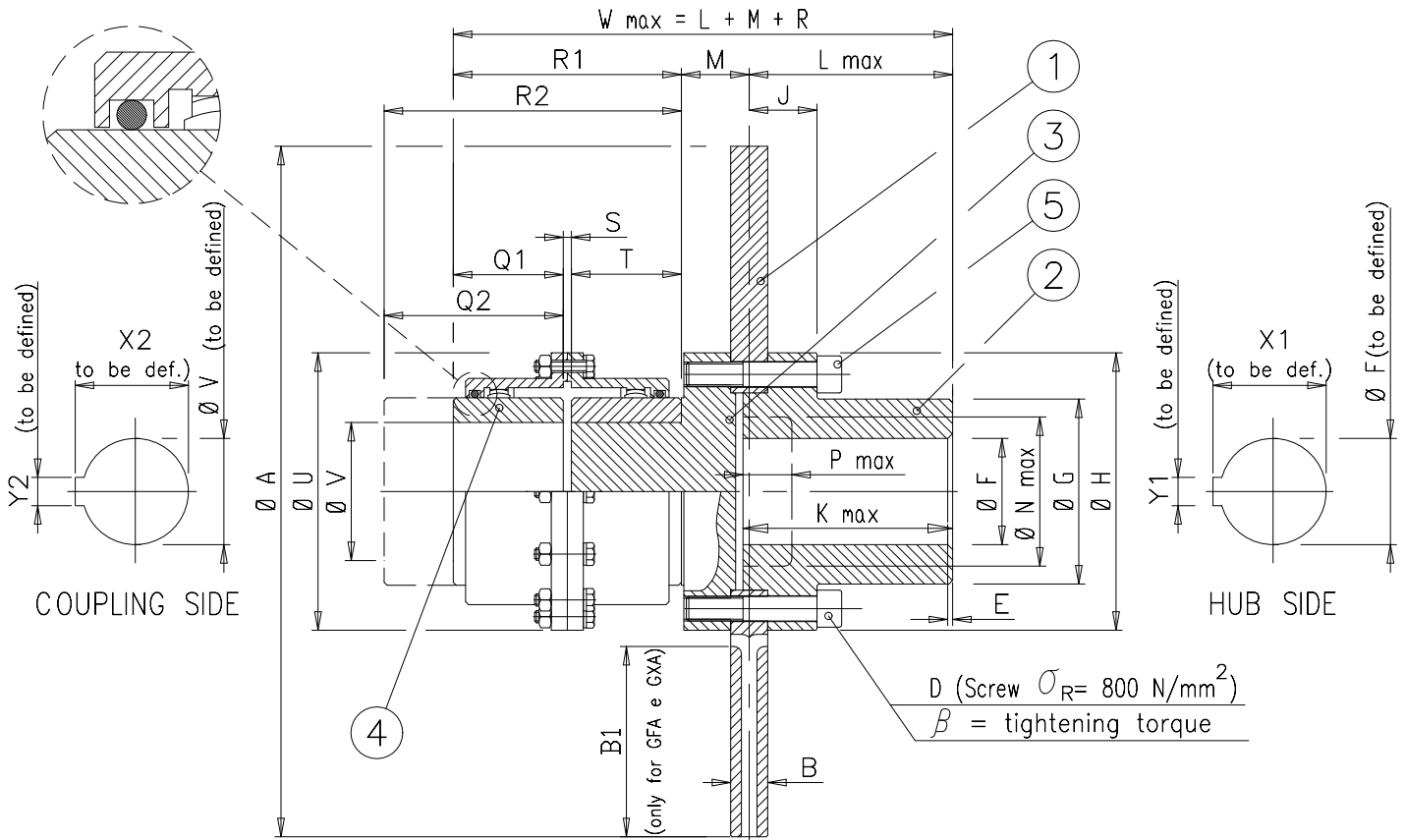


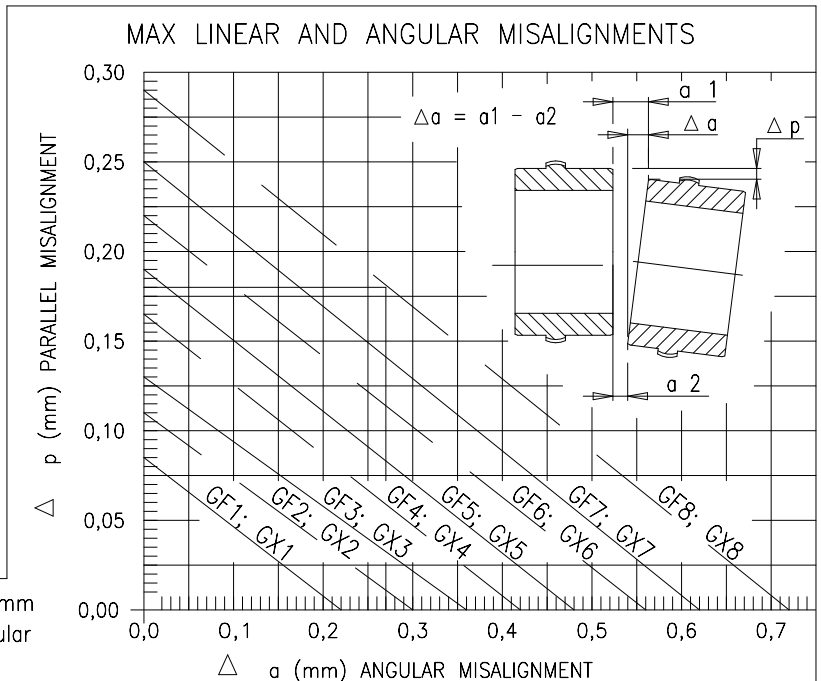
Gear Couplings with self-ventilated or solid disc, designed for hoisting and transport equipments. The length of the hubs may vary upon specific request.



BEVEL DIMENSIONS	
Bore diameters F and V	E x 45°
up to 30	1,4
from 31 to 40	1,8
from 41 to 50	2,5
from 51 to 60	3
from 61 to 80	4
from 81 to 100	5
from 101 to 120	6
more than 120	7

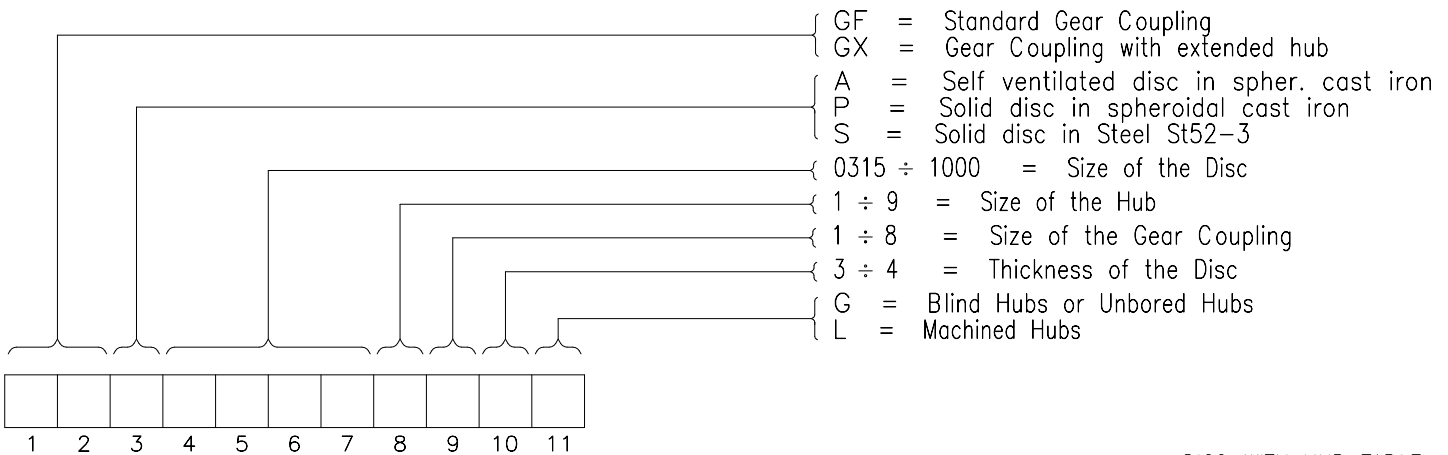
POS.	SPARE PARTS	CODE
1	Self ventilated disc	DWA
1	Solid disc in spher. cast iron	DWP
1	Solid disc in Steel St52-3	DWS
2	Hub	HUB
3	Flange	FAD
4	Gear Coupling	TOC or TXC
5	Screw	DIN 912

EXAMPLE: With a parallel misalignment Δp of 1,18 mm on a Coupling GF8 or GX8, there may be a max angular misalignment Δa of 0,27 mm



HOW TO SELECT THE CORRECT COUPLING WITH THE RELATIVE DISC WITH HUB

- Select the required Disc with relative Hub and insert data in boxes 3, 4, 5, 6, 7, 8 and 10 of the following sheet.
- Select the desired Gear Coupling making sure it is compatible with the selected Disc with Hub. Then, insert the relative data in boxes 1, 2 and 9 of the following sheet.
- In box 11 insert the letter relative to the Hub. Obviously, the letter "L" must be followed by the data regarding the bores based on the dimensions X1, Y1 and F for the Hub and X2, Y2 and V for the Coupling.



DISC WITH HUB TABLE

SIZE OF THE HUB	Ø A	Max Torque (daN·m)	Max Speed (r.p.m.)	B	B1	nr. of Screws	D Ø	β (daN·m)	Ø F max	Ø G	Ø H	J	K max	L max	M	Ø N max	P max	I (kg·m ²) ⁽¹⁾		Mass (kg) ⁽¹⁾	
																		Ventil	Solid	Ventil	Solid
1	315	107	4850	30	86	9	M10	5,1	50	80	123	43	125	120	36	66	12	0,14	0,24	17,5	23,8
2	355	170	4310	30	86	9	M12	8,7	55	90	145	43	155	150	41	73	14	0,23	0,39	24,8	32,8
2	400	170	3820	30	106	9	M12	8,7	55	90	145	43	155	150	41	73	14	0,36	0,61	29,4	39,1
3		106			12	M12	8,7	70	115	170	45	155	150	41	90	16	0,38	0,64	34,8	44,4	
4 *		440			12	M14	13,8	85	135	196	53	195	190	41	107	18	—	0,69	—	—	54,8
2	450	170	3400	30	126	9	M12	8,7	55	90	145	43	155	150	41	73	14	0,55	0,97	34,5	46,9
3		126			12	M12	8,7	70	115	170	45	155	150	41	90	16	0,58	1,00	40,0	52,3	
4 *		440			12	M14	13,8	85	135	196	53	195	190	41	107	18	—	1,05	—	—	62,6
3	500	275	3060	30	126	12	M12	8,7	70	115	170	45	155	150	41	90	16	0,88	1,49	46,8	61,1
4		440			12	M14	13,8	85	135	196	53	195	190	41	107	18	0,94	1,55	57,3	71,4	
5		650			12	M14	13,8	95	164	230	53	195	190	41	119	20	1,04	1,65	69,4	83,4	
6 *		1050			15	M16	21,2	110	182	260	60	200	195	46	138	23	—	1,81	—	—	97,2
4	560	440	2730	30	127	12	M14	13,8	85	135	196	53	195	190	41	107	18	1,38	2,38	63,9	83,2
5		650			12	M14	13,8	95	164	230	53	195	190	41	119	20	1,49	2,48	76,0	95,1	
6		1050			15	M16	21,2	110	182	260	60	200	195	46	138	23	1,65	2,64	90,0	109	
5	630	650	2425	30	162	12	M14	13,8	95	164	230	53	195	190	41	119	20	2,22	3,85	85,3	111
6		1050			15	M16	21,2	110	182	260	60	200	195	46	138	23	2,38	4,01	99,3	124	
6	710	1050	2150	30	137	15	M16	21,2	110	182	260	60	200	195	46	138	23	3,70	6,24	114	144
7		1400			12	M18	29,2	120	200	300	60	200	195	46	150	25	3,96	6,49	129	159	
8	800	2500	1910	30	137	12	M24	71,0	140	225	360	63	235	230	51	156	28	4,73	7,27	171	201
7		1400			12	M18	29,2	120	200	300	60	200	195	46	150	25	5,87	10,1	143	184	
8		2500			12	M24	71,0	140	225	360	63	235	230	51	156	28	6,65	10,9	185	226	
8		2500			12	M24	71,0	140	225	360	69	235	236	57	156	28	8,31	14,6	204	269	
9	900	3300	1700	30	182	12	M24	71,0	150	225	400	63	235	230	51	190	30	7,19	11,4	200	240
9		3300			12	M24	71,0	150	225	400	69	235	236	57	190	30	8,85	15,2	218	284	
9	1000	3300	1530	30	159	12	M24	71,0	150	225	400	63	235	230	51	190	30	10,5	17,1	226	272
9		3300			12	M24	71,0	150	225	400	69	235	236	57	190	30	12,8	23,1	247	328	
9	1000	3300	1530	42	209	12	M24	71,0	150	225	400	63	235	230	51	190	30	15,0	25,1	250	307
9		3300			12	M24	71,0	150	225	400	69	235	236	57	190	30	18,8	34,3	277	377	

* Self-ventilated Disc not available

GEAR COUPLING TABLE

TYPE OF COUPL.	SIZE OF HUB WHICH CAN BE FITTED	Q1	Q2	R1	R2	S	T	Ø U	Ø V	[Kw/ r.p.m.] min		[daN·m]		RIGID TORS [MN·m] [rad]	Grease qty (kg)	Max Speed (r.p.m.)	(1)	
										PN/n	PS/n	TN	TS				I (kg·m ²)	Mass (kg)
GF1	1, 2	50	—	103	—	3	50	142	18÷62	0,262	0,667	250	637	7,31	0,09	4620	0,01	6,46
GX1		—	115	—	168												0,02	10,6
GF2	2, 3, 4	62	—	127	—	3	62	168	28÷78	0,524	1,29	500	1232	13,45	0,16	4140	0,03	11,7
GX2		—	130	—	195												0,04	18,8
GF3	3, 4, 5	76	—	157	—	5	76	200	40÷98	0,911	2,29	870	2185	24,58	0,27	4000	0,08	21,2
GX3		—	150	—	231												0,11	33,5
GF4	4, 5, 6	90	—	185	—	5	90	225	50÷112	1,35	3,27	1290	3124	30,34	0,47	3860	0,15	30,9
GX4		—	170	—	265												0,21	48,4
GF5	5, 6, 7	105	—	216	—	6	105	265	60÷132	1,79	4,46	1705	4263	47,68	0,68	3720	0,36	50,4
GX5		—	185	—	296												0,47	74,0
GF6	6, 7	120	—	246	—	6	120	300	70÷156	2,88	7,04	2750	6724	68,27	0,93	3190	0,69	74,7
GX6		—	215	—	341												0,93	114
GF7	8, 9	135	—	278	—	8	135	330	85÷174	4,08	9,78	3900	9340	97,85	1,54	2900	1,16	103
GX7		—	245	—	388												1,61	160
GF8	9	150	—	308	—	8	150	370	95÷190	5,97	13,83	5700	13206	136,13	2,28	2570	1,99	142
GX8		—	295	—	453												2,82	229

 1) The masses and inertia are calculated with bores F and V at the maximum value.
 N.B. The standard tolerances are H7 for bores and H9 for slots.