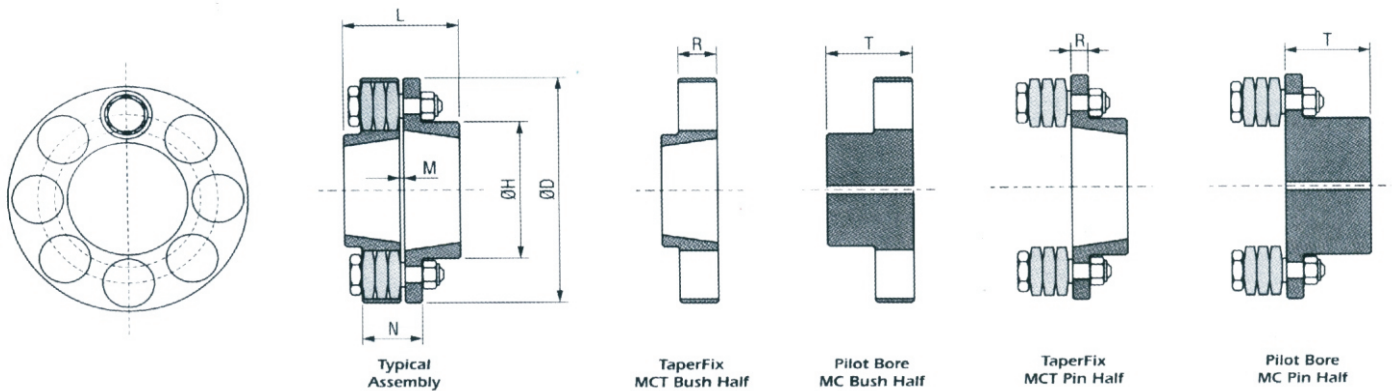


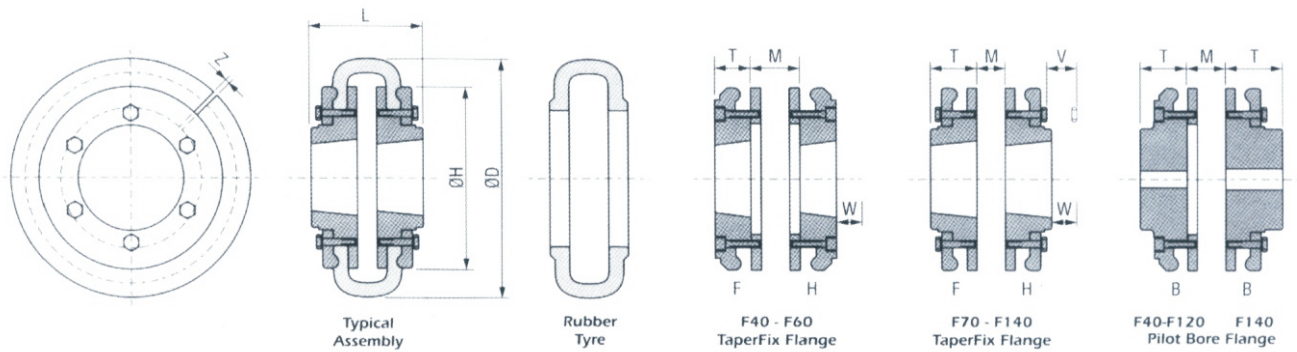
## Jaw coupling

	L050	L070	L075	L095	L100	L110	L150	L190	L225
TaperFix Bush Size :F&H Flange					1108	1210	1210	1610	2012
Maximum Bore:F&H Flange					28	32	32	42	50
Maximum Bore:B Flange	16	20	22	28	35	42	48	55	60
ØD-Outside Diameter	27	35	44.5	54	65	84	96	115	127
ØH-Hub Diameter	27	35	44.5	54	65	84	96	102	108
I-length:FF HH FH					64	74	77	77	89
I-length:BB	42	53	53	65	86	110	113	133	155
I-length:FB HB					75	92	95	95	122
M-Gap	12	13	13	13	18	22	25	25	25
T-length Through Bore:F&H Flange					23	26	26	26	2
T-length Through Bore:B Flange	15	20	20	26	34	44	44	54	65
W-wrench Clearance(H flange only)*					29	38	38	38	42
ØY-Retainer Outside Diameter				64	77	97	112	130	143
DBSE				100, 140 and 180mm DBSE lengths					



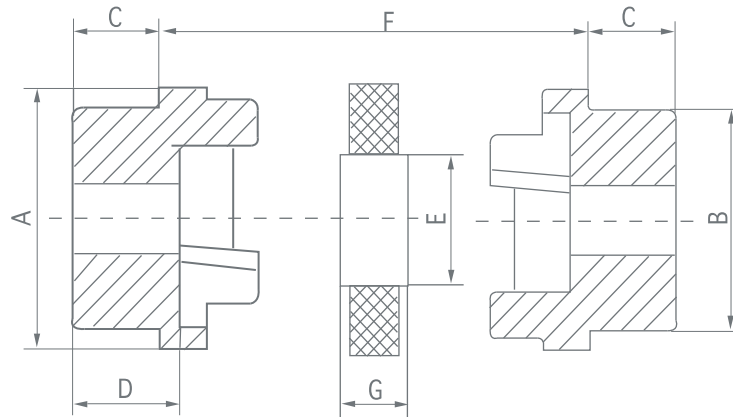
## MC coupling

	MC00	MC038	MC042	MC048	MC058	MC070	MC075	MC085
TaperFix Bush Size:Pin Half			1610	2012	2817	3020		3535
TaperFix Bush Size:Bush Half			1210	1610	2012	2517		300
Maximum Bore:TaperFix Pin Half			42	50	65	75		90
Maximum Bore:TaperFix Bush Half			32	42	50	65		75
Maximum Bore:Pilot Bore Pin Half	38	42	48	55	65	80	85	90
Maximum Bore:Pilot Bore bush Half	30	38	42	48	58	70	75	85
ØD-Outside Diameter	127	132	146	171	193	216	254	279
ØH-Hub Diameter:Pin Halves	64	70	82	94	110	132	142	162
ØH-Hub Diameter:Bush Halves	51	64	70	82	97	117	127	147
L-Length:MC	88	102	118	128	142	159	183	207
L-Length:MCT			56	63	82	102		172
M-Gap	6	6	6	6	6	7	7	7
R-Flange Length:Pin Halves	12	12	12	17	17	17	30	30
R-Flange Length:Bush Halves	26	26	26	3	33	33	56	56
T-Length Through Bore:MC Pin&Bush Halves	41	48	56	61	68	76	88	100
T-Length Through Bore:MCT Pin Halves			25	2	44	51		89
T-Length Through Bore:MCT Bush Halves			25	25	32	44		76
Number of Pin	4	6	8	6	8	10	8	10
Pin Size	GC1-3	GC1-3	GC1-3	GC1.3/4-3	GC1.3/4-3	GC1.3/4-3	GC2.3/4-3	GC2.3/4-3
Ring Size:Rubber	GC1-4	GC1-4	GC1-4	GC1.3/4-4	GC1.3/4-5	GC1.3/4-6	GC2.3/4-4	GC2.3/4-4
Ring Size:Polyurethane	U272	U272	U272	U273	U273	U273	U274	U274



## Tyre coupling

	F40	F50	F60	F70	F80	F90	F100	F110	F120	F140
TaperFix Bush Size:F Flange	1008	1210	1610	2012	2517	2517	3020	3020	3525	3525
TaperFix Bush Size:H Flange	1008	1210	1610	1610	2012	2517	2517	3020	3020	3525
Maximum Bore:F Flange	25	32	42	50	65	65	75	75	100	100
Maximum Bore:H Flange	25	32	42	42	50	65	65	75	75	100
Maximum Bore:B Flange	30	38	45	50	63	75	80	90	100	130
ØD-Outside Diameter	104	133	165	187	211	235	254	279	314	259
ØH-Hub Diameter	82	100	125	144	167	188	216	233	264	311
L-Length:FF	66	76	84	88	116	119	131	127	159	163
L-Length:HH	66	76	84	84	90	119	119	127	131	163
L-Length:FH	66	76	84	86	103	119	125	127	145	163
L-Length:BB	66	89	110	129	144	160	138	175	202	221
L-Length:FB	66.5	82.5	97	108.5	130	139.5	149.5	151	180.5	192
L-Length:HB	66.5	82.5	97	106.5	117	139.5	149.5	151	166.5	192
M-Gap:FF HH FH	22	25	33	23	25	27	27	25	29	32
M-Gap:BB	22	25	33	40	43	46	48	44	49	32
M-Gap:FB HB	22	25	33	31.5	34	36.5	37.5	34.5	39	32
T-Length Through Bore:F Flange	22	25	25	32	45	45	51	51	65	65
T-Length Through Bore:H Flange	22	25	25	25	32	45	45	51	51	65
T-Length Through Bore:B Flange	22	32	38	44	51	57	60	65	76	95
V-Clamping Screw Installation Clearance*				13	16	16	16	16	16	17
W-Wrench Clearance(H Flange only)*	29	38	38	42	48	48	55	55	67	67
Z-Tyre End Gap	2	2	2	3	3	3	3	3	3	5
Tyre End Gap	15	15	15	24	24	40	40	40	50	55
Max Parallel	1.1	1.3	1.6	1.9	2.1	2.4	2.6	2.9	3.2	3.7
Max Axial	±1.3	±1.7	±2	±2.3	±2.6	±3	±3.3	±3.7	±4	±4.6
Max Angular	4	4	4	4	4	4	4	4	4	4
F Flange(kg)	0.8	1.1	1.8	2.4	3.5	5.8	7	9	12	26.5
H Flange(kg)	0.8	1.1	1.8	2.6	3.8	5.8	7	9	13	26.5
B Flange(kg)	1	1.7	2.7	3.4	5.2	7.4	10.7	13.7	17.2	36
Tyre(kg)	0.1	0.3	0.5	0.7	0.8	1	1.1	1.5	2	2.9



FLANGE-CAST IRON

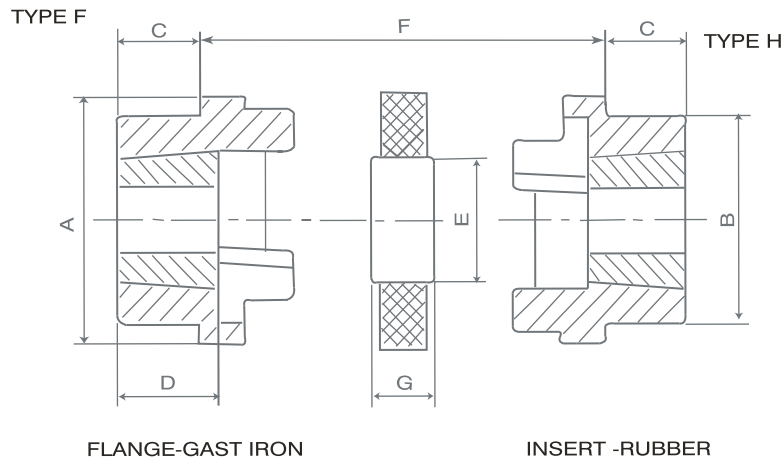
INSERT-RUBBER

## HRC - Standard straight bore series (lengthen type)

SIZE	MAX BORE		DIMENSIONS								MASS KG
	MM	INS	A	B	E	F	G	C	D	L	
70	32	1 1/4	69	60	31	25	18	20.0	23.5	65	1.20
90	42	1 5/8	85	70	32	30.5	22.5	26.0	30.0	82.5	1.68
110	55	2 1/8	112	100	45	45	29	37.0	45.0	119.0	7.20
130	60	2 3/8	130	105	50	53	36	47.0	55.5	147.0	7.86
150	70	2 3/4	150	115	62	60	40	50.0	60.0	160.0	10.25
180	80	3 1/8	180	125	77	73	49	58.0	70.0	189.0	23.90
230	100	4"	225	155	99	85.5	59.5	77.0	90.0	239.5	37.44
280	130	5"	275	206	119	105.5	74.5	90.0	105.5	285.5	72.00

## HRC - Straight bore or taper bore (universal series)

SIZE	MAX BORE		DIMENSIONS								MASS KG
	MM	INS	A	B	E	F	G	C	D	L	
70	32	1 1/4	69	60	31	25	18	20.0	23.5	65	1.20
90	42	1 5/8	85	70	32	30.5	22.5	19.5	23.5	69.5	1.40
110	55	2 1/8	112	100	45	45	29	18.5	26.5	82	6.00
130	60	2 3/8	130	105	50	53	36	18.0	26.5	89	6.55
150	70	2 3/4	150	115	62	60	40	23.5	33.5	107	8.53
180	80	3 1/8	180	125	77	73	49	34.5	46.5	142	19.92
230	100	4"	225	155	99	85.5	59.5	39.5	52.5	164.5	31.20
280	130	5"	275	206	119	105.5	74.5	51.0	66.5	207.5	60.00



## HRC - Taper bore universal series

Size	Bush	A	B	E	F	G	C	D	J	Max bore		L	Maximum misalignment		Max Revolution n(rpm)	Moment of inertia (kg.cm <sup>2</sup> )	G (Kg)
										mm	inch		Parallel	Axial			
70	1008	69	60	31	25	18	20	23.5	29	25	1	65	0.3	+0.2	9100	8.5	1.00
90	1108	85	70	32	30.5	22.5	19.5	23.5	29	28	1 1/8	69.5	0.3	+0.5	7400	11.5	1.17
110	1610	112	100	45	45	29	18.5	26.5	38	42	1 5/8	82	0.3	+0.6	5630	40	5.00
130	1610	130	105	50	53	36	18	26.5	38	42	1 5/8	89	0.4	+0.8	4850	78	5.46
150	2012	150	115	60	60	40	23.5	33.5	42	50	2	107	0.4	+0.9	4200	181	7.11
180	2517	180	125	77	73	49	34.5	46.5	48	60	2 1/2	142	0.4	+1.1	3500	434	16.60
230	3020	225	155	99	85.5	59.5	39.5	52.5	55	75	3	165	0.5	+1.3	2800	1207	26.00
280	3525	275	206	119	106	74.5	51	66.5	67	100	4	208	0.5	+1.7	2300	4465	50.00

J-the wrench clearance required for tightening and loosening the bush on the shaft.

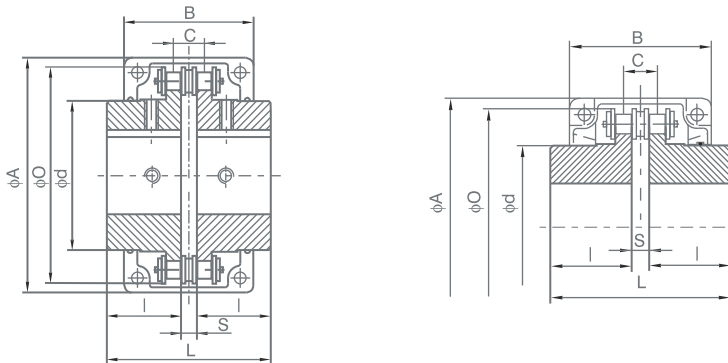
$$L=2C+f$$

### POWER RATINGS(KW)

SPEED rev/min	Coupling Size							
	70	90	110	130	150	180	230	280
100	0.33	0.84	1.68	3.30	6.28	9.95	20.9	33.0
200	0.66	1.68	3.35	6.60	12.6	19.9	41.9	65.0
400	1.32	3.35	6.70	13.2	25.1	39.8	83.8	132
600	1.98	5.03	10.1	19.8	37.7	59.7	126	198
720	2.37	6.03	12.1	23.8	45.2	71.6	151	238
800	2.64	6.70	13.4	26.4	50.3	79.6	168	264
960	3.17	8.04	16.1	31.7	60.3	95.5	201	317
1200	3.96	10.1	20.1	39.6	75.4	119	251	396
1440	4.75	12.1	24.1	47.5	90.5	143	302	475
1600	5.28	13.4	26.8	52.8	101	159	335	528
1800	5.94	15.1	30.2	59.4	113	179	377	594
2000	6.60	16.8	33.5	66.0	126	199	419	660
2200	7.26	18.4	36.9	72.6	138	219	461	726
2400	7.92	20.1	40.2	79.2	151	239	503	
2600	8.58	21.8	43.6	85.8	163	259	545	
2880	9.50	24.1	48.3	95	181	286		
3000	9.90	25.1	50.3	99	188	298		
3600	11.9	30.1	60.3	118	226			
Nominal Torque(Nm)	31.5	80	160	315	600	950	2000	3150
Max Torque(Nm)	72	180	360	720	1500	2350	5000	7200

Chain coupling is composed by a duplex roller chain and two sprockets. The function of connection and detachment is done by the joint of chain. It has the characteristic of simplicity, high efficiency, easy-on and easy-off and nice out-look.

It also has a aluminium cover to prevent dust and protect the lubricant and make the life of chain coupling a long -lasting one.



Catalog 3012-12022

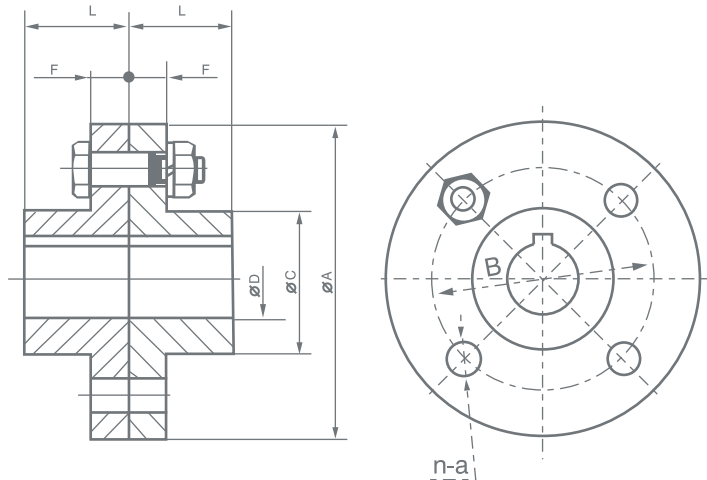
## KC-COUPLING

Size	Applicable Range of Shaft	Pilot	A	d	O	L	I	S	B	C	Max Angular (Degree)	Bolt	Max Torque (Nm)	Max Revolution (rpm)	Moment Of Inertia (kg.cm <sup>2</sup> )	Required Amount of Grease(kg)	G (kg)
KC-3012	12-16	12	69	25	45	64.8	29.8	5.2	63	10.2	1°	M6	190	5000	3.7	0.10	0.4
KC-4012	12-22	12	77	33	62	79.4	36.0	7.4	72	14.4		M6	249	4800	5.5	0.10	0.8
KC-4014	12-28	12	84	43	69	79.4	36.0	7.4	75	14.4		M6	329	4800	9.7	0.13	1.1
KC-4016	14-32	14	92	48	77	87.4	40.0	7.4	75	14.4		M6	419	4800	14.4	0.17	1.4
KC-5014	15-35	14	101	53	86	99.7	45.0	9.7	85	18.1		M8	620	3600	28.0	0.22	2.2
KC-5016	16-40	16	111	60	93	99.7	45.0	9.7	85	18.1		M8	791	3600	37.0	0.26	2.7
KC-5018	16-45	16	122	70	106	99.7	45.0	9.7	85	18.1		M8	979	3000	56.3	0.36	3.8
KC-6018	20-56	20	142	85	127	123.5	56.0	11.5	105	22.8		M10	1810	2500	137.3	0.50	6.2
KC-6020	20-60	20	158	98	139	123.5	56.0	11.5	105	22.8		M10	2210	2500	210.2	0.60	7.8
KC-6022	20-71	20	168	110	151	123.5	56.0	11.5	117	22.8		M10	2610	2500	295.0	0.70	10.4
KC-8018	20-80	20	190	110	169	141.2	63.0	15.2	129	29.3		M12	3920	2000	520.0	0.90	12.7
KC-8020	20-90	20	210	121	185	145.2	65.0	15.2	137	29.3		M12	4800	2000	812.4	1.10	16.0
KC-8022	20-100	20	226	140	202	157.2	71.0	15.2	137	29.3		M12	5640	1800	1110.0	1.20	20.2
KC-10020	25-110	25	281	160	233	178.8	80.0	18.8	153	35.8		M12	8400	1800	2440.0	1.80	33.0
KC-12018	35-125	35	307	170	256	202.7	90.0	22.7	181	45.4		M12	12700	1500	3940.0	3.20	47.0
KC-12022	35-140	35	357	210	304	222.7	100.0	22.7	181	45.4		M12	18300	1250	7810.0	4.40	72.0
KC-16018	63-160	53	375	228	340	254.1	112.0	30.1	240	58.5		M16	26400	1100	14530.0	7.20	108.0
KC-16022	80-200	70	440	279	405	310.1	140.0	30.1	245	58.5		M16	38100	1000	32220.0	9.90	187.0
KC-20018	82-205	75	465	289	425	437.5	200.0	37.5	285	71.6		M20	54100	800	50980.0	11.80	286.0
KC-20022	100-255	90	545	363	506	477.5	220.0	37.5	300	71.6		M20	77800	600	111100.0	15.80	440.0
KC-24022	120-310	110	650	448	607	650.0	302.5	45	340	87.8	M20	137000	600	310000.0	21.90	869.0	
KC-24026	150-360	140	745	526	704	700.0	327.5	45	350	87.8	M20	186000	500	598500.0	28.10	1260.0	

Keyway dimensions conform to DIN 6885, GB 1095-1979 standards.

### Special notice

Special Notice:FL-coupling or FLS-coupling should be done dynamic balance according to the degree Q6.3 when rotational speed reaches 1/2 of its limit .



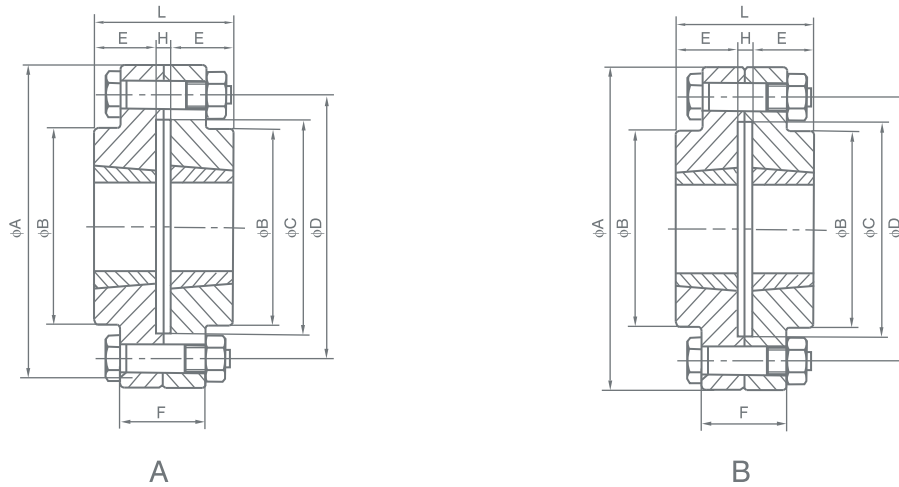
## FL-COUPLING

Size	Basic dimensions						Bore		Bolts		Max Torque (Nm)	Max Revolution n(rpm)	Moment of inertia (kg.cm <sup>2</sup> )	G (kg)
	A	C	B	a	L	F	Pilot	Max	Sizes	Qty				
FL-100	100	42.5	67	10	35.5	16	-	25	M10	4	63	4000	25	2.11
FL-112	112	50	75	10	40	16	-	28	M10	4	90	4000	40	2.75
FL-125	125	56	85	14	45	18	-	32	M14	4	130	4000	70	3.85
FL-140	140	71	100	14	50	18	-	38	M14	6	220	4000	120	5.35
FL-160	160	80	115	14	56	18	-	45	M14	8	360	4000	200	7.15
FL-180	180	90	132	14	63	18	-	50	M14	8	500	3800	330	9.42
FL-200	200	100	145	20	71	22.4	18	56	M20	8	710	3550	650	14.70
FL-224	224	112	170	20	80	22.4	18	63	M20	8	1000	3150	1000	18.90
FL-250	250	125	180	25	90	28	20	71	M20	8	1400	2800	1900	27.40
FL-280	280	140	200	28	100	28	30	80	M24	8	2000	2500	3100	36.40
FL-315	315	160	236	28	112	28	32	90	M24	10	2800	2240	5100	49.00
FL-355	355	180	260	35.5	125	35.5	32	100	M30	8	4000	2000	10000	75.30
FL-400	400	200	300	35.5	125	35.5	50	110	M30	10	5300	1800	16000	95.20
FL-450	450	224	355	35.5	140	35.5	60	125	M30	12	7500	1600	27000	125.00
FL-560	560	250	450	35.5	160	35.5	80	140	M30	14	11000	1250	61000	189.00
FL-630	630	280	530	35.5	180	35.5	90	160	M30	18	16000	1120	100000	250.00

Keyway dimensions conform to DIN 6885, GB 1095-1979 standards.

**Special notice**

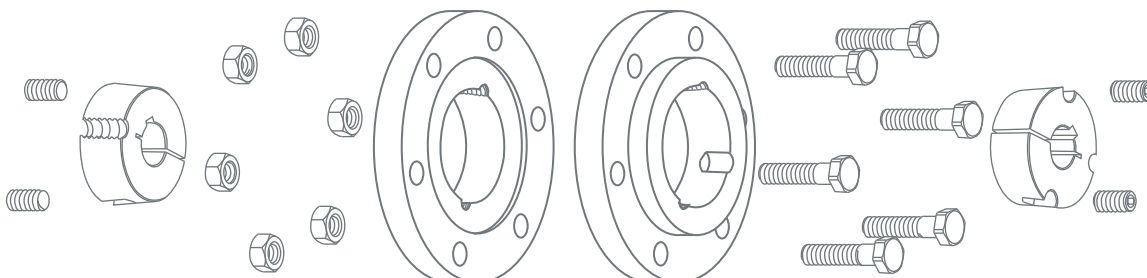
Special Notice: RM-coupling should be done dynamic balance according to the degree Q6.3 when rotational speed reaches 1/2 of its limit .



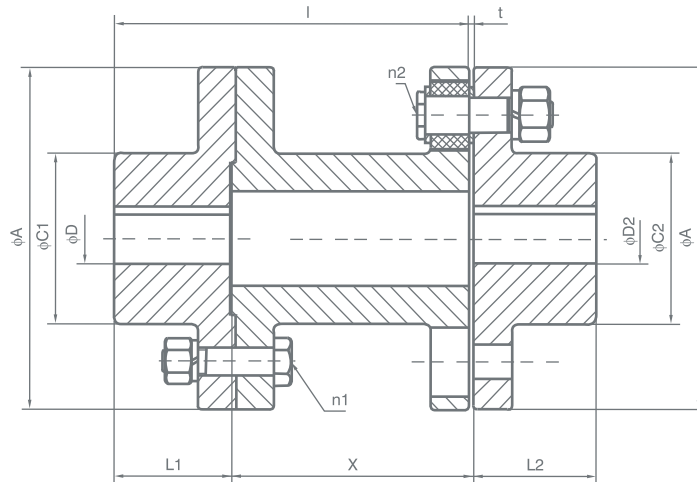
# Taper Bore RM-Coupling

Size	Bush	Basic dimensions								Bore		Bolts		Max Torque (Nm)	Max Revolution n(rpm)	G (kg)
		A	B	C	D	E	F	H	L	mm	max	Sizes	Qty			
RM12	1210	118	76	83	102	25.4	35	6.2	57	11	32	M10	4	130	4000	3.5
RM16	1615	127	83	90	105	38.1	43	6.8	83	14	42	M10	6	220	4000	4.5
RM25	2517	178	127	123	149	44.5	51	8	97	20	60	M12	8	500	3800	11
RM30	3030	216	152	146	184	76.2	65	6.6	159	25	75	M16	8	1000	3150	23
RM35	3535	248	178	178	213	89	75	7	185	35	90	M20	8	1400	2800	38
RM40	4040	298	216	210	257	101.6	76	6.8	210	40	100	M20	8	2700	2250	64
RM45	4545	330	241	230	286	114.3	86	6.4	235	55	110	M24	8	3200	2100	88
RM50	5050	362	267	268	314	127	90	6	260	60	125	M24	8	4000	2000	155

Keyway dimensions conform to DIN 6885, GB 1095-1979 standards.







## GL-COUPLING

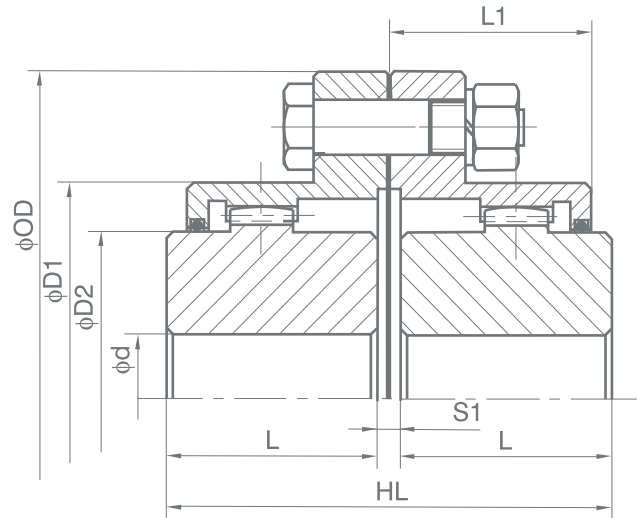
Size	Basic dimensions						Bore		n1	n2	Max Torque (Nm)	Max Revolution (rpm)	Moment of Inertia (kg.cm <sup>2</sup> )	G (kg)
	L	L1	L2	C1	C2	t	poilot	max						
GL-112x100	134	37	40	50	50	3	11	28	4	4	33	4000	79	5.53
GL-125x100	139	42	45	56	56	3	11	32	4	4	73	4000	140	7.47
GL-140x100	144	47	50	71	71	3	11	38	6	6	130	4000	220	9.9
GL-140x140	184	47	50	71	71	3	11	38	6	6	130	4000	230	10.5
GL-160x100	150	53	56	80	80	3	11	45	8	8	200	4000	380	12.8
GL-160x140	190	53	56	80	80	3	11	45	8	8	200	4000	390	13.6
GL-180x100	157	60	63	90	90	3	11	50	8	8	230	3500	620	16.6
GL180x140	197	60	63	90	90	3	11	50	8	8	230	3500	630	17.5
GL180x180	237	60	63	90	90	3	11	50	8	8	230	3500	640	18.4
GL-200x140	203	67	71	100	100	4	18	56	8	8	440	3200	1200	26.7
GL-200x180	243	67	71	100	100	4	18	56	8	8	440	3200	1300	27.8
GL200x220	283	67	71	100	100	4	18	56	8	8	440	3200	1300	28.9
GL-224x140	212	76	80	112	112	4	18	63	8	8	510	2850	2000	33.9
GL-224x180	252	76	80	112	112	4	18	63	8	8	510	2850	2000	35.3
GL-224x220	292	76	80	112	112	4	18	63	8	8	510	2850	2000	36.7
GL-250x140	222	86	90	125	125	4	20	71	8	8	850	2550	3600	49.6
GL-250x180	262	86	90	125	125	4	20	71	8	8	850	2550	3700	51.5
GL-250x220	302	86	90	125	125	4	20	71	8	8	850	2550	3700	53.4
GL-250x260	342	86	90	125	125	4	20	71	8	8	850	2550	3800	55.3
GL-280x180	272	96	100	140	140	4	30	80	8	8	1500	2300	6200	69.4
GL-280x220	312	96	100	140	140	4	30	80	8	8	1500	2300	6300	71.8
GL-280x260	352	96	100	140	140	4	30	80	8	8	1500	2300	6400	74.2
GL-280x300	392	96	100	140	140	4	30	80	8	8	1500	2300	6500	76.6
GL-315x180	284	108	112	160	160	4	32	90	10	10	2200	2050	10000	90.6
GL-315x220	324	108	112	160	160	4	32	90	10	10	2200	2050	10000	93.7
GL-315x260	364	108	112	160	160	4	32	90	10	10	2200	2050	11000	96.8

Keyway dimensions conform to DIN 6885, GB 1095-1979 standards.

### Special notice

Dynamic balancing should be done to degree Q6.3 when rotational speed reaches 1/2 of its limit.

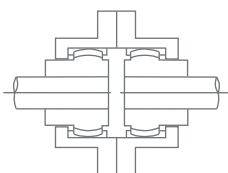
Special designation with teeth Connection. Due to a larger area receiving force, its life is much longer. Torque can be transmitted best per unit area and with a characteristic of anti-bedding, steel alloy is used with the property of anticorrosion and anti-high temperature.



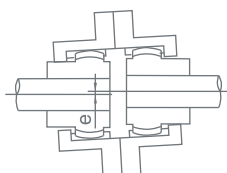
## GRL-COUPLING

Size	Basic dimensions							Bore		Mt	Parallel offset capacity	End float capacity	Max Torque (Nm)	Max Revolution n(rpm)	Moment of inertia (kg.cm <sup>2</sup> )	G (kg)
	OD	D1	D2	HL	L	L1	S1	Pilot	Max							
GRL-78	117	78	58	89	43	42	3	14	40	50	1.3	2	850	6000	51	3.2
GRL-100	152	100	80	103	50	48	3	19	55	59	1.5	2	1700	5500	188	6.7
GRL-125	178	125	98	127	62	60	3	25	70	79	2.1	3	3250	5000	397	10.5
GRL-150	213	150	118	157	76	69	5	35	85	93	2.4	4	6000	4400	947	17.3
GRL-175	240	175	140	185	90	82	5	45	100	109	2.9	4	10000	4000	1773	26.2
GRL-200	280	200	165	216	105	98	6	55	120	128	3.4	5	16000	3500	4014	42.2
GRL-235	318	235	188	246	120	107	6	65	140	144	3.8	6	23600	3000	6970	57.0
GRL-265	347	265	212	278	135	120	8	80	160	164	4.3	6	32500	2700	11207	76.0
GRL-295	390	295	236	308	150	131	8	90	180	182	4.8	7	47500	2500	20869	109.8
GRL-325	425	325	264	358	175	151	8	100	200	214	5.6	8	67000	2200	32112	144.5
GRL-355	460	355	290	388	190	170	8	120	220	236	6.2	9	90000	2100	49360	189.3
GRL-400	530	400	333	450	220	195	10	150	250	263	6.9	10	125000	2000	91287	273.3

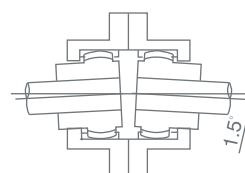
Max torque of GRL 78-GRL295 and their max. parallel tolerance should be based on  $\alpha=1\ 1/2^\circ$  and max bore diameter. Max torque of GRL325-GRL400 and their max. parallel tolerance should be based on  $\alpha=3/4^\circ$  and max bore diameter.



End floating

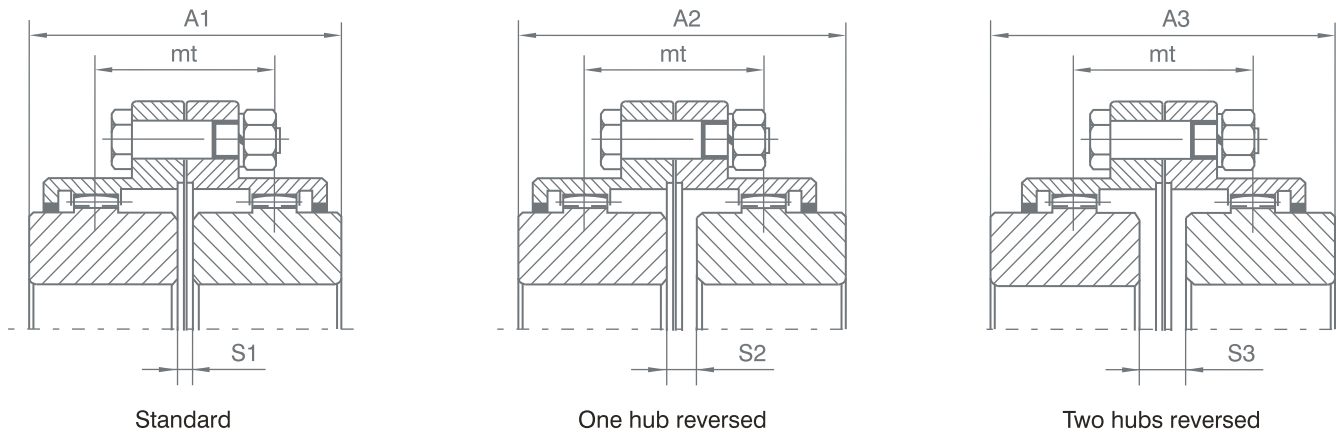


parallel misalignment



misalignment

### Installation for GRL-coupling



Size	Mt	A1	A2	A3	S1	S2	S3
GRL-78	50	89	93	97	3	7	11
GRL-100	59	103	109	115	3	9	15
GRL-125	79	127	141	155	5	17	31
GRL-150	93	157	169	181	5	17	29
GRL-175	109	185	199	213	5	19	33
GRL-200	128	216	233	250	6	23	40
GRL-235	144	246	264	282	6	24	42
GRL-265	164	278	299	320	8	29	50
GRL-295	182	308	332	356	8	32	56
GRL-325	214	358	389	420	8	39	70
GRL-355	236	388	426	464	8	46	84
GRL-400	263	450	483	516	10	43	76

### Dimensions for the flange with teeth

Size	OD	DW	D3	P	T	n	d
GRL-78	117	96	73	3.5	14	6	9
GRL-100	152	122	94	3.5	19	8	11
GRL-125	178	150	115	3.5	19	6	13
GRL-150	213	184	144	3.5	22	6	17
GRL-175	240	208	168	3.5	22	8	17
GRL-200	280	242	190	3.5	29	8	21
GRL-235	318	280	222	3.5	29	8	21
GRL-265	347	305	250	4	29	10	21
GRL-295	390	345	280	4	38	10	21
GRL-325	425	368	310	4	38	14	21
GRL-355	460	406	346	6	38	14	25
GRL-400	530	460	376	8	40	16	25

