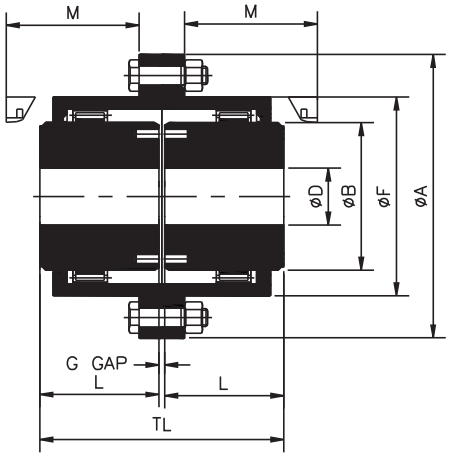
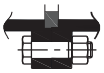
GEAR-FLEX COUPLINGS
TYPE RFG



DETAIL 'X'

COVER PLATE CONSTRUCTION
FOR SIZES RFG - 590 ONWARDS.



DETAIL 'Y'

INNER RING CONSTRUCTION
FOR SIZE RFG - 775 ONWARDS.

FULL FLEXIBLE TYPE RFG

Double Engagement Couplings

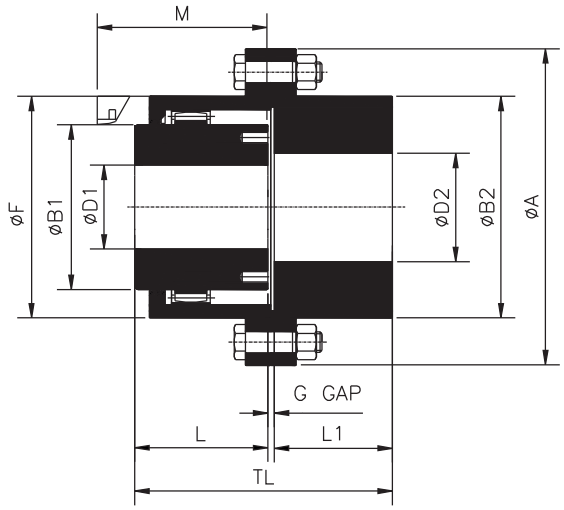
Standard Double engagement couplings accommodate both angular and parallel misalignment or combination of both, as well as end float without imposing appreciable axial loads on adjacent bearings.
Ideal for all standard applications including fans, overhead cranes, conveyors, steel and paper mill equipments.

TECHNICAL DATA

Size	Coupling Rating		Max. Speed RPM	Bore Ø D		Dimensions							Solid Hub	
	kW at 100 rpm	Rate Torque Nm		Min. Bore	Max. Bore	ØA	ØB	ØF	G	M	L	TL	Mass Kg	WR^2 Inertia Kg m^2
RFG-116	14	1337	8000	14	52	116	69	84	3	51	43	89	4.4	0.0052
RFG-152	30	2865	6500	22	65	152	86	107	3	61	50	103	9	0.0192
RFG-178	53	5061	5600	27	80	178	105	127	3	76	62	127	15	0.041
RFG-213	105	10027	5000	32	98	213	131	156	5	92	77	159	27	0.105
RFG-240	168	16043	4400	42	115	240	152	182	5	106	91	187	40	0.195
RFG-279	231	22059	3900	47	135	279	178	212	6	130	107	220	65	0.454
RFG-318	336	32086	3600	47	160	318	210	250	6	145	121	248	96	0.86
RFG-346	472	45073	3200	52	180	346	235	275	8	165	135	278	131	1.39
RFG-389	650	62070	2900	72	195	389	254	309	8	183	153	314	186	2.53
RFG-425	880	84034	2650	72	215	425	279	334	8	203	168	344	247	3.83
RFG-457	1205	115069	2450	110	235	457	305	366	8	228	188	384	299	5.21
RFG-527	1823	174084	2150	110	280	527	356	425	9	266	221	451	473	11.00
RFG-590	2639	252006	1750	110	285	590	385	485	10	300	249	508	682	20.72
RFG-660	3037	290012	1550	150	300	660	420	535	13	325	276	565	898	34.95
RFG-711	4100	391521	1450	160	330	711	470	595	13	355	305	623	1242	55.95
RFG-775	5300	506113	1395	200	381	775	533	648	13	387	334	681	1621	84.81
RFG-838	7200	687549	1300	230	432	838	572	715	13	415	356	725	2014	124.20

- The outer dimensions of flanges are rounded up to nearest figure in above tables.
- To attend the max. Speed specified above Dynamic balancing is required please contact RATHI.
- Max. bore for coupling with or equivalent to DIN 6885 keys.
- Min. bore is nothing but a rough stock bore, to which the couplings are manufactured.
- Size 590 onwards sleeve are with bolted end cover.
- Size 711 onwards sleeve are with inner ring construction.
- For vertical installation, higher sizes & spacer type couplings contact to RATHI.
- Consult RATHI for Max Bore with Square Key.
- **Max. bores specified above are for uniformly loaded drives only with single rectangular keyway. For other than uniform loads please consult Rathi.**

GEAR-FLEX COUPLINGS
TYPE RHG



HALF FLEXIBLE TYPE RHG

FEATURES

- Standard half flexible gear coupling TYPE RHG cannot accommodate parallel misalignment.
- Used primarily with floating shaft assemblies. Extensively used for cross traverse and long travel line shaft drives.

Single Engagement Couplings

Standard Single engagement couplings accommodate angular misalignment and end float without imposing appreciable axial loads on adjacent bearings.

TECHNICAL DATA

Size	Coupling Rating		Max. Speed RPM	Min. Bore (mm)		Max. Bore (mm)		Dimensions									Solid Hub	
				ØD1	ØD2	ØD1	ØD2											
	kW at 100 rpm	Rate Torque Nm		Flex Hub	Rigid Hub	Flex Hub	Rigid Hub	ØA	ØB1	ØB2	ØF	G	L	L1	M	TL	Mass Kg	WR² Inertia Kg m²
RHG-116	14	1337	8000	14	18	52	60	116	69	84	84	4	43	40	51	87	4.5	0.0055
RHG-152	30	2865	6500	22	26	65	80	152	86	107	107	4	50	47	61	101	9.5	0.0204
RHG-178	53	5061	5600	27	30	80	90	178	105	130	127	4	62	59	76	125	15.5	0.0436
RHG-213	105	10027	5000	32	37	98	110	213	131	157	156	5	77	74	92	156	27.5	0.111
RHG-240	168	16043	4400	42	44	115	130	240	152	182	182	5	91	88	106	184	41.5	0.210
RHG-279	231	22059	3900	47	52	135	150	279	178	212	212	6	107	102	130	215	67	0.477
RHG-318	336	32086	3600	47	52	160	180	318	210	250	250	8	121	116	145	245	100	0.92
RHG-346	472	45073	3200	52	57	180	200	346	235	276	275	8	135	131	165	274	135	1.470
RHG-389	650	62070	2900	72	77	195	220	389	254	309	309	9	153	148	183	310	195	2.73
RHG-425	880	84034	2650	72	77	215	240	425	279	334	334	9	168	173	203	350	261	4.20

- The outer dimensions of flanges are rounded up to nearest figure in above tables.
- To attend the max. Speed specified above Dynamic balancing is required please contact RATHI.
- Max. bore for coupling with or equivalent to DIN 6885 keys.
- Min. bore is nothing but a rough stock bore, to which the couplings are manufactured.
- For vertical installation, higher sizes & spacer type couplings contact to RATHI.
- Consult RATHI for Max Bore with Square Key.
- **Max. bores specified above are for uniformly loaded drives only with single rectangular keyway. For other than uniform loads please consult Rathi.**