



Grid Spring Resilient Coupling

Flexocon Grid Spring Resilient Coupling comprises mainly two Hubs, Grid spring and Cover to protect the Spring to fly off due to centrifugal force and to prevent Grease to come out.

The grid spring element is designed so that it provides required resiliency for variable flexibility of a Coupling and considerable damping properties making the Coupling very suitable for drives involving high shock loads to the extent of 80%.

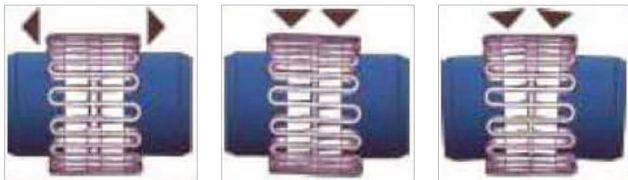


Light Load

Normal Load

Heavy Load

Misalignment - Angular, Parallel or Axial, that inevitably occurs between rotating shafts, which are independently supported, is also taken care of by the spring element within allowable limits.



Axial

Parallel

Angular

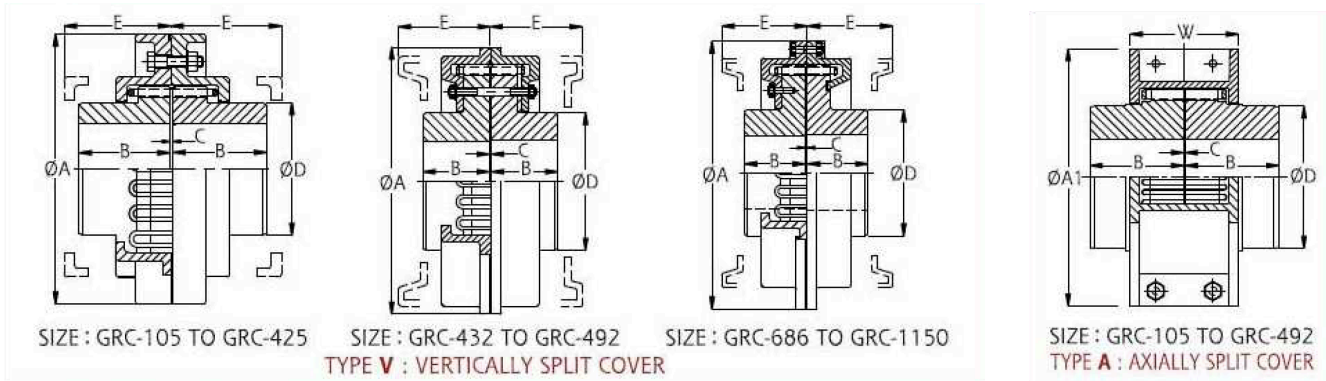


Features

- All Metal Construction having no fast wearing out components
- Torsionally flexible
- Transmit full torque with dampened vibration and deduced peak load
- Accommodates angular, parallel and axial misalignment
- High ratings
- Versatile design and interchangeability
- Easy assembly and maintenance
- Very low Downtime
- Longer service life



Standard Coupling



Specification

Coupling No.	Power KW/100 RPM	Max Torque Kgm.	Safe Speed RPM	Wt. in Kg.	DIMENSIONS								
					Max. Bore	Pilot Bore	A	A1	B	C (Gap)	D	E	W
GRC-105	0.45	4.3	5800	3		10	105	104	38	0.8		52	57
GRC-120	0.75	7.2	5200	4	38	12	120	120	38	0.8		55	64.5
GRC-144	1.50	14.4	4600	5	42	16	144	127	45	0.8	62	65	64.5
GRC-172	2.25	21.6	3600	8	58	16	172	159	51	0.8	87	65	66
GRC-190	3.35	32.2	3300	12	55	16	190	178	51	0.8	84	80	84.5
GRC-197	4.85	46.6	3100	17	65	16	197	190	57	0.8	97	80	85
GRC-222	7.10	68.2	2750	20	80	25	222	222	64	0.8	119	80	86.5
GRC-254	9.35	89.8	2400	27	95	25	254	244	70	0.8	143	80	86.5
GRC-276	13.80	132.5	2000	42	110	25	276	267	89	1.6	165	80	86.5
GRC-295	26.50	254.4	1900	54	105	38	295	276	102	1.6	156	130	138
GRC-324	33.90	325.4	1800	65	125	50	324	324	102	1.6	187	150	157
GRC-336	48.80	468.5	1600	75	125	50	336	336	102	1.6	184	150	157
GRC-375	67.50	648.0	1400	105	150	50	375	381	114	1.6	222	150	159
GRC-425	93.50	897.6	1200	150	170	50	425	425	127	1.6	254	150	160
GRC-432	179.40	1722.25	1100	180	160*	75	432	502	140	3.2	237 o	180	180
GRC-492	261.50	2510.4	1100	220	175 *	85	492	552	152	3.2	260 o	180	180
GRC-686	414.00	3975.0	1200	410	205	110	686		178	3.2	285	215	
GRC-781	563.25	5407.0	1050	550	230	125	781		203	3	324	215	
GRC-876	787.00	7555.0	900	875	260	140	876		228	6.4	368	255	
GRC-1016	1309.2	12570.0	750	1200	290	150	1016		228	6.4	406	255	
GRC-1030	1567.0	15045.0	750	1500	320	165	1003		280	6.4	450	335	
GR C1150	2015.0	19345.0	650	2000	350	165	1150		305	6.4	495	335	

All dimensions are in mm

For axially split cover safe speed is 70% of the above figures ♦ Consult for Higher Speed

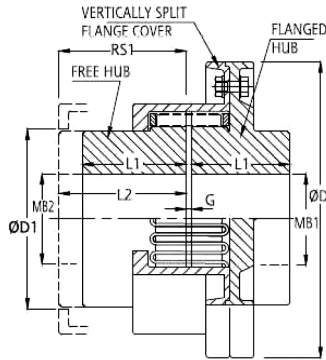
Dimension D for 'A' Type GRC 432=302 mm & for GRC 492=349 mm * Max Bore or 'A' type GRC 432=200 mm & GRC492=235 mm



Flanged Type Coupling

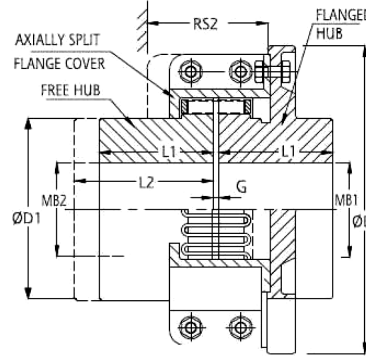
Type FV / FVE

(FVE has extended hub)



Type FA / FAE

(FAE has extended hub)

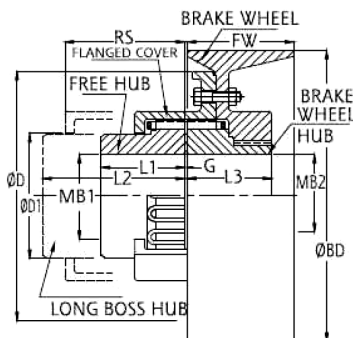


Specification

Size	Power KW/100 RPM	Max Torque Kgm.	wt. in Kg. FV/FA	Safe Speed		Pilot Bore	Max. Bore		ØD	L1	L2	RS1	RS2	G	D1
				FV/FVE	FA/FAE		FV/FA	FVE/FAE							
GRC-105	0.45	4.3	3.5	7000		10	29	25	105	38	70	80		0.8	41
GRC-120	0.75	7.2	4	6000		12	38	30	126	38	70	80		0.8	58
GRC-144	1.50	14.4	5	5500	3000	16	42	35	152	45	80	85	60	0.8	57
GRC-172	2.25	21.6	9	4500	2700	16	58	50	178	51	80	85	60	0.8	75
GRC-190	3.35	32.2	10	4000	2500	16	55	55	193	51	111	87	60	0.8	88
GRC-197	4.85	46.6	14	3750	2400	16	65	60	209	57	114	117	80	0.8	95
GRC-222	7.10	68.2	20	3600	2100	25	80	75	228	64	114	117	80	0.8	117
GRC-254	9.35	89.8	29	3500	1800	25	95	86	263	70	114	117	80	0.8	133
GRC-276	13.80	132.5	40	3300	1700	25	110	100	285	89	141	117	80	0.8	155
GRC-295	26.50	254.4	59	3200	1500	38	105	100	311	102	183	187	130	1.6	155
GRC-295A	18.70	178.8	56	3000	1650	38	105	100	305	102	176	187	130	1.6	152
GRC-324	33.90	325.4	79	2750	1350	50	125	120	349	102	208	217	150	1.6	183
GRC-336	48.80	468.5	84	2500	1300	50	125	125	362	102	208	217	150	1.6	187
GRC-375	67.50	648.0	118	2250	1150	50	150	135	400	114	208	217	150	1.6	218
GRC-425	93.60	897.6	160	2000	1050	50	170	165	438	127	208	217	150	1.6	244
GRC-425A	125.00	1198.72	180	1850	950	70	180	175	475	139	214	241	165	1.6	266
GRC-425B	150.00	1438.46	200	1750	900	70	180	175	533	152	214	241	165	1.6	307
GRC-432	179.40	1722.25	215	1700	850	75	160	150	521	140	225	245	170	3.2	239
GRC-492	261.50	2510.4	275	1500	750	85	175	165	578	152	240	245	170	3.2	266

Brake Drum Coupling

Specification



Coupling Size	Brake Drum Dia. BD	Face Width FW	Power KW 100 RPM	Max. Torque KGM	Safe Speed RPM	Pilot Bore	Max. Bore		ØD	L3
							MB1	MB2		
GRC-144 BD 150	150	75	1.50	14.4	3500	16	42	35	152	80
GRC-144 BD 160	160	80	1.50	14.4	3400	16	42	35	152	80
GRC-172 BD 200	200	100	2.25	21.6	3200	16	48	45	178	85
GRC-197 BD 250	250	110	4.85	46.6	2650	16	65	60	209	114
GRC-254 BD 300	300	140	9.35	89.8	2400	25	95	86	263	114
GRC-276 BD 315	315	150	13.80	132.5	2120	25	110	100	285	141
GRC-295 BD 400	400	175	26.50	254.4	1670	38	105	100	311	183
GRC-324 BD 500	500	200	33.90	325.4	1335	50	125	120	349	208
GRC-375 BD 630	630	225	67.50	648.0	1050	50	150	135	400	208

Other dimensions are per Flanged Coupling Type FV