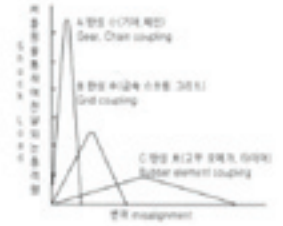
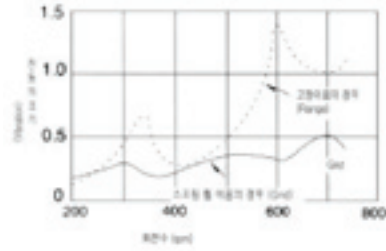


GS Grid Coupling

FEATURES AND BENEFITS

1. In the event of severe overload, grid breaks and prevents damage to high capital cost connected equipment.
2. GS10 comes with optional Horizontal Split case in steel with certification for use in underground mining
3. When the parallel misalignment is too severe, the relating machine is protected by the virtue of shearing Grid or Tooth.
4. Service life of connected equipment including bearings and seals are extended due to Grid Coupling smooth high torque capabilities.
5. Quick installation and easy maintenance reduce labor cost and downtime costs.
6. GS Grid coupling is interchangeable with international industry standard brands.
7. 100% transmission of power at low noise emission.

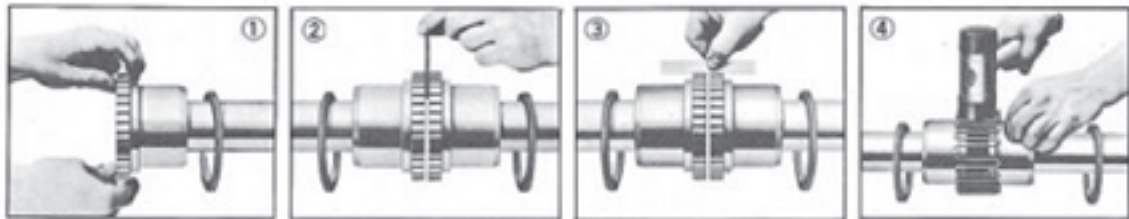


INSTALLATION

The performance and the life of the coupling depends on correct installation and future servicing of the product. This page explains assembly of the coupling for the best performance and for the trouble free operation.

GS10 Taper Grid Coupling is designed to be operating in either the horizontal or vertical position without modification.

- Simple standard mechanical tools such as wrenches, a straight edge and rubber feeler gauge or dial gauge are required to install the Taper Grid Coupling.



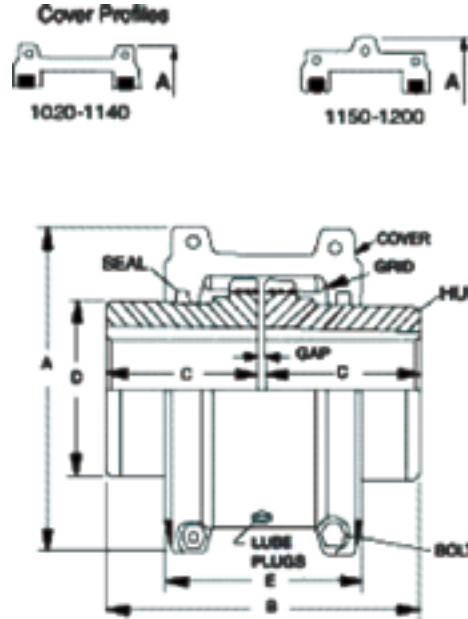
1) In case of GS10 Horizontally Mounted Type

1. Clean all metal parts using nonflammable solvent. Lightly coat seals with grease and place on shaft, before mounting hub. Mounting hubs on the shafts.
2. Using a spacer bar, equal in thickness to the normal gap. The difference in maximum measurements must be not exceeding the angular limit.
3. Align so that a straight edge rests squarely on both hubs as shown fig. And also at 90° interval. The clearance must not exceed the limit specified in table 3.



4. After greasing the tooth of groove hub, fix the Grid in the same direction.

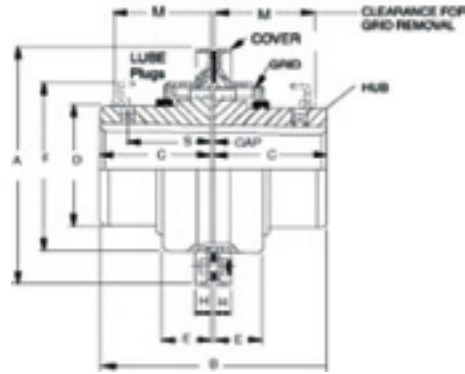
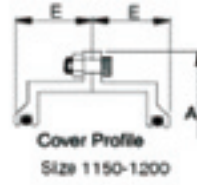
GS Grid Coupling



GS 10 Horizontal Split Housing

Model	Kw per 100 rpm	Max Speed (rpm)	Torque (Nm)	Bore		Dimensions (mm)					Gap			CPL (kg)	Lube Weight (kg)
				Max	Min	A	B	C	D	E	Min	Nor	Max		
1020	0.5	4500	52	30	12	101.6	98.0	47.5	39.7	66.5	1.5	3	4.5	1.9	0.03
1030	1.4	4500	149	35	12	110.0	98.0	47.5	49.2	68.3	1.5	3	4.5	2.6	0.03
1040	2.4	4500	249	43	12	117.5	104.6	50.8	57.1	70.0	1.5	3	4.5	3.4	0.05
1050	4.2	4500	435	50	12	138.0	123.6	60.3	66.7	79.5	1.5	3	4.5	5.4	0.05
1060	6.6	4350	684	55	19	150.5	130.0	63.5	76.2	92.0	1.5	3	4.5	7.3	0.09
1070	9.7	4125	994	65	19	161.9	155.4	76.2	87.3	95.0	1.5	3	4.5	10	0.11
1080	20.1	3600	2050	78	27.0	194.0	180.8	88.9	104.8	116.0	1.5	3	4.5	18	0.17
1090	35.8	3600	3730	95	27.0	213.0	199.8	98.4	123.8	122.0	1.5	3	6	25	0.25
1100	60.4	2400	6280	107	41	250.0	245.7	120.6	142.0	155.5	1.5	3	6	42	0.43
1110	90.3	2250	9320	117	41	270.0	258.5	127.0	160.3	161.5	1.5	4.5	9.5	54	0.51
1120	132.0	2025	13700	136	60	308.0	304.4	149.2	179.4	191.5	1.5	4.5	9.5	81	0.73
1130	191.7	1800	19400	165	67	346.0	329.8	161.9	217.5	195.0	1.5	6	12.5	121	0.91
1140	276.0	1650	28600	184	67	384.0	371.6	182.8	254.0	201.0	1.5	6	12.5	178	1.13
1150	384.2	1500	34800	203	108	453.1	371.8	182.9	269.2	271.3	1.5	6	12.5	234	1.95
1160	540.1	1350	55900	228	120.7	501.4	402.2	198.1	304.8	278.9	1.5	6	12.5	317	2.81
1170	719.9	1225	74600	279	133.4	566.4	437.8	215.9	355.6	304.3	1.5	6	12.5	448	3.49
1180	998.1	1100	103000	311	152.4	629.9	483.6	238.8	393.7	321.1	1.5	6	12.5	619	3.76
1190	1320.4	1050	137000	339	152.4	675.6	524.2	259.1	436.9	325.1	1.5	6	12.5	776	4.40
1200	1800.1	900t	186000	361	177.8	756.9	564.8	279.4	497.8	355.6	1.5	6	12.5	1.057	5.62

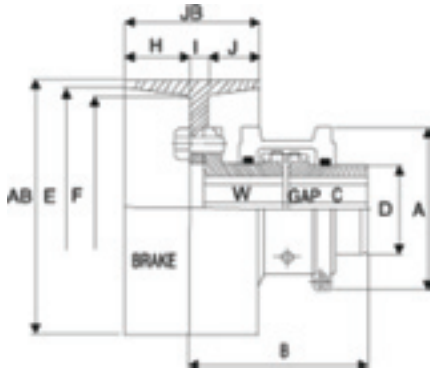
GS Grid Coupling



GS 20 Vertical Split Cover

Model	Kw per 100 rpm	Max Speed (rpm)	Torque (Nm)	Bore		Dimensions (mm)					Gap			CPL (kg)	Lube Weight (kg)
				Max	Min	A	B	C	D	E	Min	Nor	Max		
1020	0.5	6000	52	30	12.7	111.1	98.0	47.5	39.7	24.2	1.5	3	4.5	2.0	0.03
1030	1.4	6000	149	36	12.7	120.0	98.0	47.5	49.2	25.0	1.5	3	4.5	2.6	0.03
1040	2.4	6000	249	44	12.7	128.5	104.6	50.8	57.1	25.7	1.5	3	4.5	3.4	0.05
1050	4.2	6000	435	50	12.7	147.6	123.6	60.3	66.7	31.2	1.5	3	4.5	5.4	0.05
1060	6.6	6000	684	57	19.1	162.0	130.0	63.5	76.2	32.2	1.5	3	4.5	7.3	0.09
1070	9.7	5500	994	65	19.1	173.0	155.4	76.2	87.3	33.7	1.5	3	4.5	10.4	0.11
1080	20.1	4750	2050	79	27.0	200.0	180.8	88.9	104.8	44.2	1.5	3	4.5	17.7	0.17
1090	35.8	4000	3730	95	27.0	231.8	199.8	98.4	123.8	47.7	1.5	3	6	25.4	0.25
1100	60.4	3250	6280	107	41.3	266.7	245.7	120.6	142.0	60.0	1.5	3	6	42.2	0.43
1110	90.3	3000	9320	117	41.3	285.8	258.5	127.0	160.3	64.2	1.5	4.5	9.5	54.4	0.51
1120	132.0	2700	13700	136	60.3	319.0	304.4	149.2	179.4	73.4	1.5	4.5	9.5	81.6	0.73
1130	191.7	2400	19400	165	66.7	377.8	329.8	161.9	217.5	75.1	1.5	6	12.5	122.5	0.91
1140	276.0	2200	28600	184	66.7	416.0	371.6	182.8	254.0	78.2	1.5	6	12.5	180.1	1.13
1150	384.2	2000	34800	203	108.0	476.3	371.8	182.9	269.2	106.9	1.5	6	12.5	230.0	1.95
1160	540.1	1750	55900	228	120.7	533.4	402.2	198.1	304.8	114.3	1.5	6	12.5	321.1	2.81
1170	719.9	1600	74600	279	133.4	584.2	437.8	215.9	355.6	119.4	1.5	6	12.5	448.2	3.49
1180	998.1	1400	103000	311	152.4	630.0	483.6	238.8	393.7	130.0	1.5	6	12.5	591.0	3.76
1190	1320.4	1300	137000	339	152.4	685.0	524.2	259.1	436.9	135.0	1.5	6	12.5	761.0	4.40
1200	1800.1	1100	186000	361	177.8	737.0		279.4	497.8	145.0	1.5	6	12.5	1021	5.62

GS 61 Coupling with Brake

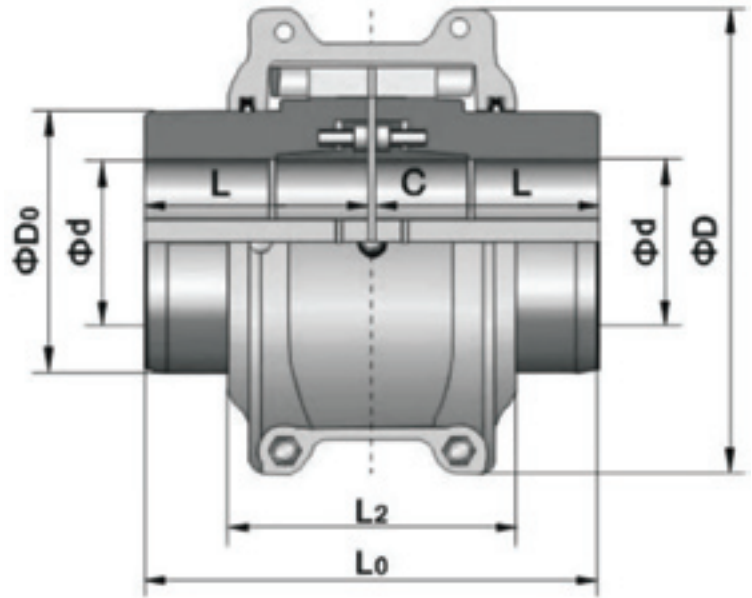


Model	Standard Brake Wheel			
	Motor Power (40% ED Kw)		Brake Torque (Kg)	
1020	-		-	
1030	-		-	
1040	2.2		5	
1050	5.5		10	
1060	5.5	7.5	11	10 14 21.2
1070	15		30	
1080	30		53	
1090	75	90	63 80	
1100	45		132	
1110	75	90	180	
1020	110	132	335	
1130	160	200	400	475
1140	160	200	400	475

Brake Coupling

Brake Wheel Size		Model	Max Brake Force (Nm)	Brake Dia		Dimensions (mm)									Lube Weight
AB	JB			Max	Min	A	C	D	E	F	H	I	J	Gap	
-	-	1020	110	30	12.7	102	48	39.6	-	-	-	-	-	3	0.03
-	-	1030	359	36	12.7	111	48	49	-	-	-	-	-	3	0.03
160	80	1040	663	44	12.7	117	51	57	145	140	40	12	28	3	0.05
200	100	1050	1202	50	12.7	138	60	66	184	178	50	17	33	3	0.05
200	100	1060	2129	57	19.1	151	63	76	184	178	50	17	33	3	0.09
250	125	1070	3373	68	19.1	162	76	87	230	224	62.5	22	40.5	3	0.11
315	160	1080	6497	82	27.0	194	89	105	292	285	80	23	57	3	0.17
355	180	1090	11060	95	27.0	213	98	124	330	320	90	26	64	3	0.25
400	200	1100	19355	107	41.3	251	121	142	374	362	100	28	72	5	0.43
450	224	1110	29032	117	41.3	270	127	160	422	410	112	32	80	5	0.51
500	250	1120	44240	136	60.3	308	149	179	462	445	125	35	90	6	0.73
560	280	1130	66212	165	66.7	346	162	218	516	495	140	45	95	6	0.91
560	280	1140	89862	184	66.7	384	184	253	516	495	140	45	95	6	1.13

GS 05 GRID COUPLING WITH SHAFT LOCKING DEVICE



Brake Coupling

Model	Basic Torque (Nm)	Max Speed (rpm)	Moment of Inertia (kg.m)	Bore (mm)		Dimensions (mm)					Gap (mm)	CPL Weight (kg)	Lube Weight (kg)
				Max	Min	L	LD	L2	D	D0			
1120	13700	2025	0.51	125	110	155	318	200	310	179.4	8	84	0.7
1130	19900	1800	0.96	140	120	175	358	200	350	217.5	8	131	0.9
1140	28600	1650	1.85	165	140	190	388	200	390	254.0	8	256	1.1
1150	39800	1500	3.49	180	155	200	408	280	450	269.2	8	344	2.0
1160	55900	1350	5.82	205	165	215	468	280	500	304.8	8	477	2.8
1170	74600	1225	10.40	240	175	230	548	310	570	355.0	8	701	3.5
1180	103000	1100	18.30	260	200	270	588	325	630	394.0	8	869	3.8
1190	137000	1050	26.10	300	240	290	650	325	680	437.0	8	1212	4.4
1200	186000	900	43.50	330	280	320	715	360	760	497.8	10	1637	5.7
1210	249000	820	75.50	360	300	350	795	440	850	533.4	15	2143	10.5
1220	336000	730	113	390	320	390	855	500	930	571.5	15	2757	16.1
1230	435000	680	175	420	340	420	915	550	1000	609.6	15	3643	24.1
1240	559000	630	339	450	360	450	975	650	1100	647.7	15	4352	33.8
1250	746000	580	524	460	400	480	1015	700	1180	711.2	15	5123	50.2
1260	932000	540	711	500	420	500	1100	760	1260	762.0	15	5833	67.2
1270	1130000	460	932	520	430	540	1200	800	1350	-	20	6635	82.4
1280	1320000	339	1142	550	450	550	4836	850	1450	-	20	591.0	101.4