Characteristic

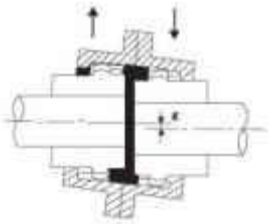
WCC Gear Coupling follows the international standard AGMA and JIS, and so can easily replace most of industrial products. This flexible coupling compensate angular misalignment, parallel misalignment and end float. The fully crowned hub teeth provide minimum loading stress, and ensure longer life.

1) Hight torque, small size, long life and very little loss of transmitting power.

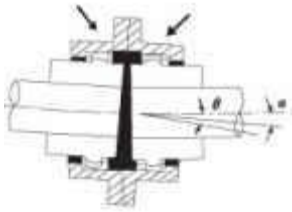
2) The concave-convex flange design help a easy assembly, and the high quality gasket prevent leakage of lubricant.

3) Gear Coupling permits parallel, angular and end floating misalignments by its crown gear tooth.

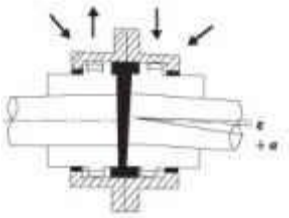
<Parallel Misalignment>
The driving and driven shafts are parallel to each other, but not on the same straight line



<Anglular Misalignment>
The driving and driven shafts installed with at limited angle.



<End Floating>
The driving and driven shafts slide sliqhtly along the gear teeth.



<Composite Misalignment>
Most of cases, above 3 misalignments appear mixed in an application.

Table1(Allowable Misalignment)

Size S	10G	15G	20G	25G	30G	35G	40G	45G	50G	55G	60G	70G	80G	90G	100G	110G	120G
ε(mm)	1.2	1.3	1.7	2.1	2.4	2.9	3.2	3.6	4.1	4.5	5.0	5.9	6.7	7.4	8.2	12.7	12.7
Θ°(α)	3(1.5)	3(1.5)	3(1.5)	3(1.5)	3(1.5)	3(1.5)	3(1.5)	3(1.5)	3(1.5)	3(1.5)	3(1.5)	2(1)	2(1)	2(1)	2(1)	2(1)	2(1)

** Data subject to double engagement.

4) The coupling made of S45C has a good endurance to high speed and peak load. Consult us for special materials.

5) Can be supply with customer's design.

Structure

1. Flanged Sleeve
2. Crown Gear hub
3. Reamer Bolt
4. Gasket
5. O - ring Seals
6. Spring Washer
7. Hex. Nut.

The crowned hub teeth provide larger contact area, lower the stress.

Application

1) Heavy load, but compact design coupling required

2) High speed up to 5,000rpm(Depending on size, refer to the data.)

3) Low speed but high starting torque required.

4) End float application

5) Spacer required due to longer distance between shaft ends

6) Low load and light weight application is not recommended.

Standard Material

Table 2

INTERNAL GEAR	CROWN GEAR	FLANGE	Bolt	O-Ring
SM 45C - N			SM 45C - H	NBR

I under the heavy load, high speed and corrosion environment, special materials will be required.

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Selection Method

1) Selection

① Using the following formula, obtain Design Torque required.

$$T = 97{,}400 \frac{H'}{N} \times S \cdot F \quad \text{또는} \quad T = 71{,}620 \frac{H'}{N} \times S \cdot F$$

T = Design Torque (Kg · cm) H' = Power (kw)
H = Power (HP) N = Working revolution (rpm) S · F = Recommended service factor

② Select the size with the same or with the greater value at the Basic Torque column. Refer to the maximum speed allowed to the size selected, and then compare the shaft diameters of the application with the max. Bore dia of the size selected. If the coupling bore size is not suitable, select the larger coupling size.

2) Special requirements

① At the application of the Sliding Gear Coupling (type GH) that end float movement occurs more than 5 t/h, add 0.5 to the listed value of service factor.

② At the applications such as continuous reverse motions, intermittent operation, often peak load and high inertia requied system, multiply 1.5 to the Design Torque calculated

③ In the types GFS-R and GFS-O, the thickness and length of intermediate shaft must be determined according to our company's material program. Consult with our Engineer. Selecting the size of types GDBW and GSBW, apply brake power if it exceeds the prime mover power.

④ Selecting the size of types GDBW and GSBW, apply brake power if it exceeds the prime mover power.

3) Example

Select a Gear Coupling to connect a 450HP, 1,170rpm electric motor with a reducer. Motor shaft diameter is 80mm. Reducer shaft diameter is 90mm. Max.parallel alignment allowed is 1.5mm.

① Select type GDE for a higher valued application of parallel misalignment.

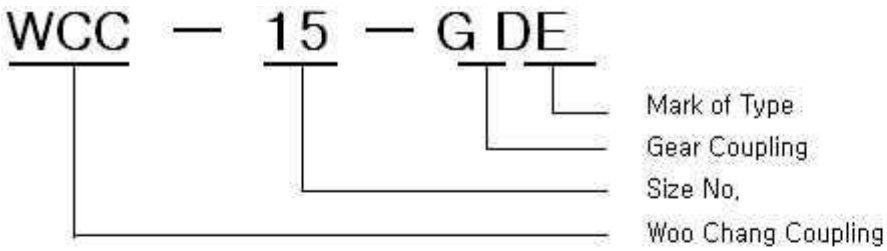
② Service factor is 2.0

③ Use the moral formula

$$HP/100rpm = \frac{450 \times 100 \times 20}{1,170} = 76.9$$

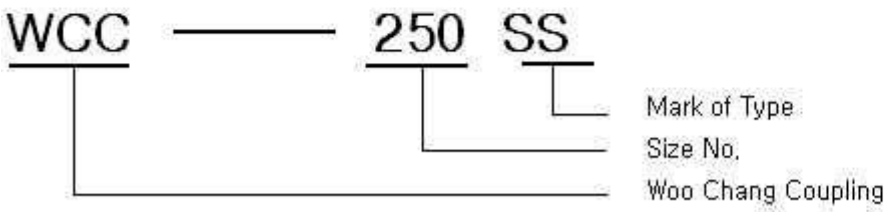
Size GDE25 is selected with a rating of 90 HP per 100rpm. To accept the larger shaft dia 90mm, finally GDE30 is selected.

Designation



⑦ GDE : Double Engagement Coupling
⑧ GSE : Single Engagement Coupling
⑨ GSCD:Spacer Coupling Doupling Engagement
④GH20:Single Engagement Horizontal Sliding Cou

⑤ GDEL : Double Engagement Large type
⑥ SEL : Single Engagement Large type
⑦GH10: Double Engagement Horizontal Sliding Coupling



SS : Gear Double Engagement Coupling
SE : Gear Single Engagement Coupling

CC : Gear Double Engagement Coupling Large type
CE : Gear Single Engagement Coupling Large type

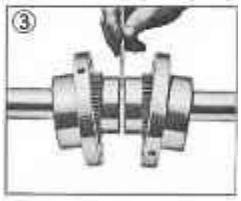
Instruction for Installation

1) Small Size (under to size 60)

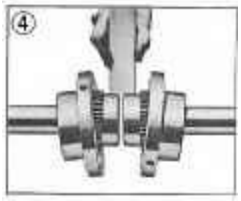
Hub boring and keyway must be machined accurately. During the key-fit to the shaft and the hub, be careful the oil leakage.

① Clean all parts. Grease the crowned gear teeth and O-Ring, Put O-Ring onto the shafts.

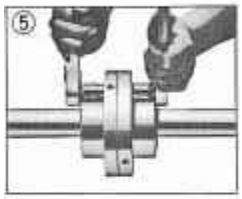
② Place the flanged sleeves on the shafts, and mount the hubs.



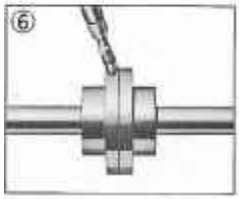
③ Using a spacer bar, make a gab between the hubs equal to the moral gab specified in this book.



④ Align the shaft with a strait bar, checking every 90 degree, referring to the table 3. Make it sure with a dial gauge to not exceed the offset limit.



⑤ Insert gasket between the flanged sleeves, and fasten the bolts, positioning the lube hole at 90°



⑥ Full up the grease until overflowing at the opened opposite hole.

Table3(mm) (Operating Alignment Limits)

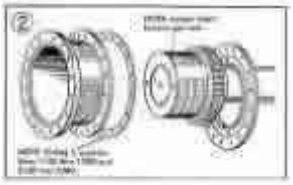
Size	10	15	20	25	30	35	40	45	50	55	60	70	80	90	100
Angular	0.125	0.125	0.25	0.25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
GAP (수직형제외)	3	3	3	4.5	4.5	6	6	8	8	8	8	9.5	10	13	13
Flange Bolt Torque(kg.cm)	96	320	480	960	960	1650	1650	1650	2070	2070	2070	2980			

* The life of coupling is reduced by excess of the OFFSET limit

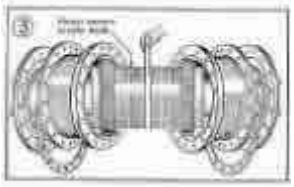
2) Large Size (over size 70)

Hub boring and Keyway must be machined accurately. During the Key-Fit work, be careful the oil leakage.

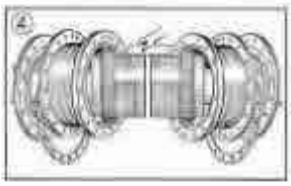
① Clean all parts. Pack sleeve teeth with grease and lightly coat seals with grease before assembly



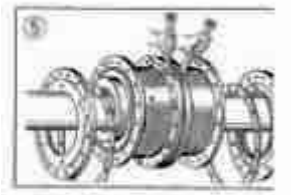
② Place the side cover with gaskets on the shafts before mounting the hubs. Mount hubs on their respectative shafts. Then mount flanged sleeves with side cover gaskets.



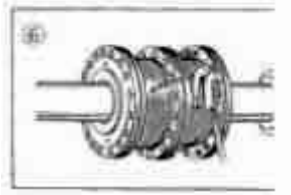
③ Use a spacer bar for equal to gap. The difference in minimum and maximum measurements should not exceed the angular limit specified in table 3.



④ Align with a straight edge rests squarely stevery 90° as shown in photo. Check with feelers. The tolerance should not exceed the offset limit specified in table 3.



⑤ Insert gasket between flanges. Position flanged sleeves with lube holes at about 90° and then fasten flanged sleeves.



⑥ Remove all lube plugs and put recommended grease into the coupling until excess flows through an opened lube hole and then plug

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Selection of Puller Holes

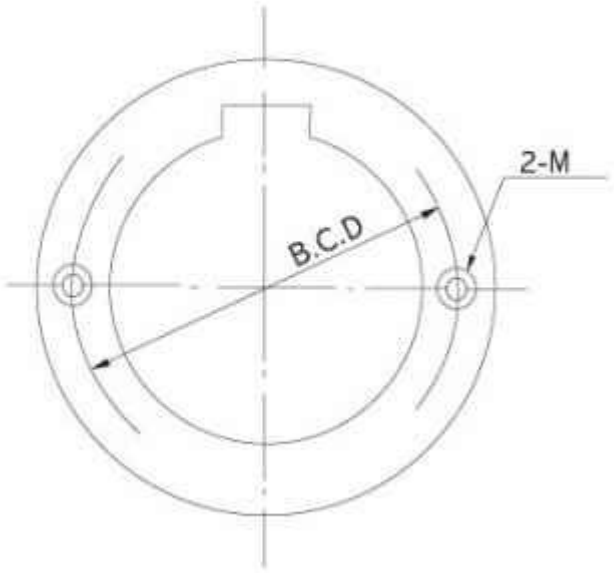
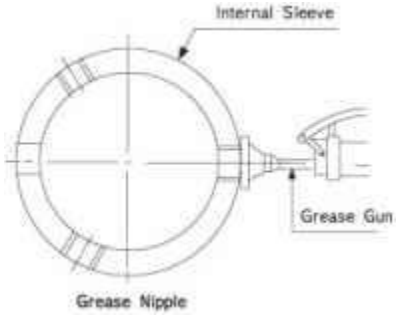


표4 Table 4

Size	BCD(mm)	Bolt Size
20G	89	M8
25G	112	M10
30G	128	M10
35G	152	M12
40G	181	M16
45G	200	M16
50G	216	M20
55G	238	M20
60G	268	M20
70G	305	M24
80G	318	M24
90G	356	M30
100G	394	M30
110G	426	M30
120G	498	M30

Lubrication and Handling

We introduce the adequate lubricant for good performance and long life.



1) Grease Lubrication

① Grease the flanged sleeve and crown gear tooth, and fill enough after assembly.

② Lube weight, refer to "Dimensions" section.

③ Supplement and Replacement.
Add grease every month or every 240 ~ 250 hours operating. Replace all the deteriorated grease every 3 months or every 4,000 hours operating.

④ Selection

The temperature operating range of grease os from −17℃ to 70℃. Refer to the table 6 that shown the coupling RPM allowed for the listed grease.

table 5

Oil / Company	Grease # 1	Grease # 0
Gulf Oil Corp.	Gulfcrown Grease EP #1	Gulfcrown Grease EP #0
Shell Oil Corp.	Alvania Grease EP #1	Alvania Grease EP-RO
Texaco Inc.	Multifak EP - 1	Multifak EP - O
Mobil Oil Corp.	Mobilux EP - 1	Mobilux EP - O

* Lubricants listed in this manual are typical products, and should not be construed as exclusive recommendations.

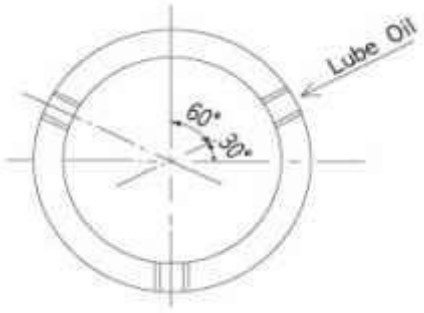
table 6

Coupling Size		10	15	20	25	30	35	40	45	50	55	60	70	80	90	100
rpm	Max.	7000	6000	5000	4750	4400	3900	3600	3200	2900	2650	2450	2150	1750	1550	1450
	Min.	1030	700	550	460	380	330	290	250	230	210	190	160	140	120	110

* Refer to #O of table 5 when is below Min. rpm.

2)Oil Lubricant

① Packing with oil holes on the internal gear with 2 holes horizontal level. Fill up oil until it overflows from the opposite oil hole



② Supplement and Replacement.
Every month, or 240 - 250 hours operating. Replace completely all the deteriorated oil, every 3 months or every 4,000 hours operating

table 7

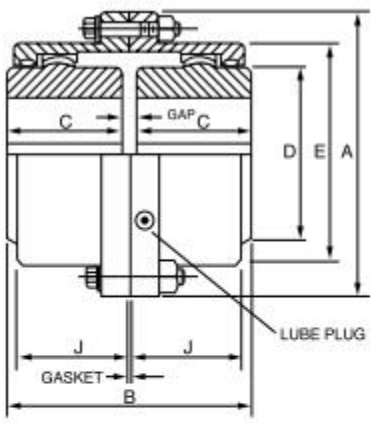
회사명 / 분류	Shell	Mobil	미창 석유	범우화학	Gulf	Fujikosan Nipponkoju	Houghton	한일정유 출 광	Caltex

EDISATECH International Group Ltda
Soluciones en transmisión de potencia

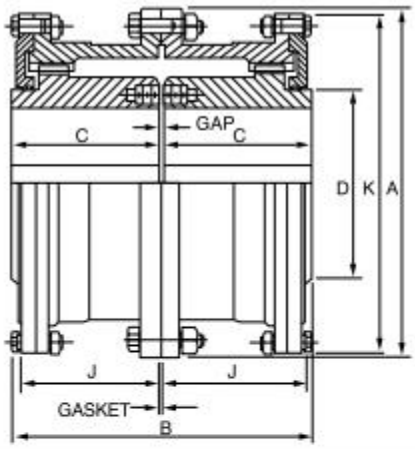
Woo Chang

구 분											
cst40	Cst40	omala68	Mobilgear 626	Pio Gear Ep68	Buhmwoo Gearlube BG-68	Gulf EP Lubricant R 68	Hirax ME GO 300	MP Gear Oil 68	Nico Gear SP 68	Daphne CE Compound 68S	Meropa Lubricant 68
68	315										
100	465	Omala68		Pio Gear Ep68	Buhmwoo Gearlube BG-100	Gulf EP Lubricant HD 68	Hirax ME GO 500	MP Gear Oil 100	Nico Gear SP 100	Daphne CE Compound 100S	Meropa Lubricant 100
150	700	Omala150	Mobilgear 629	Pio Gear Ep150	Buhmwoo Gearlube BG-150	Gulf EP Lubricant R 150 HD 150	Hirax ME GO 700	MP Gear Oil 150	Nico Gear SP 150	Daphne CE Compound 150S	Meropa Lubricant 150 Synthetic Gear ube
150	700	Omala220	Mobilgear 630	Pio Gear Ep220	Buhmwoo Gearlube BG-220	Gulf EP Lubricant R 220 HD 220	Hirax ME GO 1000	MP Gear Oil 220	Nico Gear SP 220	Daphne CE Compound 220S	Meropa Lubricant 220
320	1500	Omala320	Mobilgear 632	Pio Gear Ep320	Buhmwoo Gearlube BG-320	Gulf EP Lubricant R 320 HD 320	Hirax ME GO 1500	MP Gear Oil 320	Nico Gear SP 320	Daphne CE Compound 320S	Meropa Lubricant 320

〈GDE〉



〈GDEL〉



〈GDE〉

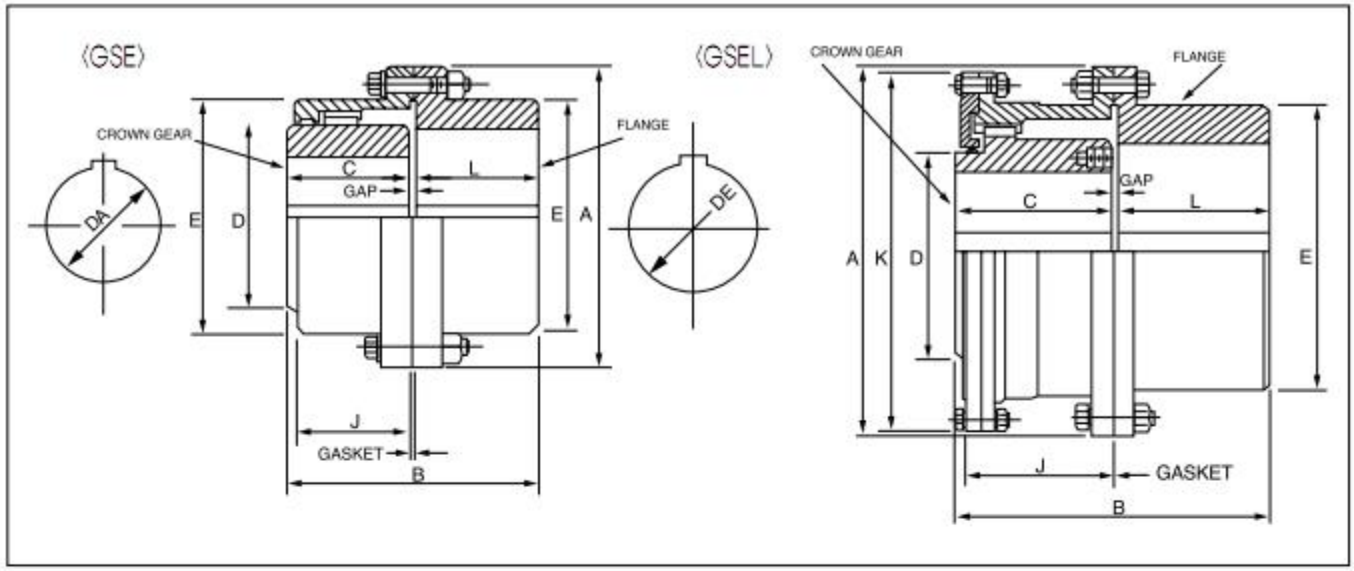
Size	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore Dia (mm)		Dimensions (mm)						Gap (mm)	Cplg wt(kg)	Lube wt(kg)	Size
			Max.	Min.	A	B	C	D	E	J				
10GDE	8,000	8,594	48	13	116	89	43	69	84	39	3	4.5	0.04	10GDE
15GDE	6,500	19,337	60	19	152	101	49	86	105	48	3	9.1	0.07	15GDE
20GDE	5,600	35,810	73	25	178	127	62	105	126	59	3	15.9	0.11	20GDE
25GDE	5,000	64,458	92	32	213	159	77	131	155	72	5	29.5	0.23	25GDE
30GDE	4,400	107,430	105	38	240	187	91	152	180	84	5	43.1	0.36	30GDE
35GDE	3,900	164,726	124	51	279	218	106	178	211	98	6	68.0	0.54	35GDE
40GDE	3,600	250,670	146	64	318	248	121	210	245	111	6	97.5	0.91	40GDE
45GDE	3,200	343,776	165	76	346	278	135	235	274	123	8	136.1	1.04	45GDE
50GDE	2,900	465,530	178	89	389	314	153	254	306	141	8	190.5	0.77	50GDE
55GDE	2,650	608,770	197	102	425	344	168	279	334	158	8	249.5	2.22	55GDE
60GDE	2,450	787,820	222	114	457	384	188	305	366	169	8	306.2	3.18	60GDE

〈GDEL〉

Size	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore Dia (mm)		Dimensions (mm)						Gap (mm)	Cplg wt(kg)	Lube wt(kg)	Size
			MAX	Min	A	B	C	D	J	K				
70GDEL	2,150	1,145,920	254	89	527	451.5	221	343	196	517	9.5	485.4	4.35	70GDEL
80GDEL	1,750	1,504,020	279	102	591	507.5	249	356	243	572	9.5	703.1	9.53	80GDEL
90GDEL	1,550	2,041,170	305	114	660	565	276	394	265	641	13	984.3	12.25	90GDEL
100GDEL	1,450	2,864,800	343	127	711	623	305	445	294	699	13	1302.0	14.97	100GDEL
110GDEL	1,330	3,939,100	387	140	775	679	333	495	322	749	13	1678.3	17.69	110GDEL
120GDEL	1,200	5,013,400	425	152	838	719	353	546	341	826	13	2113.8	20.87	120GDEL

※ Coupling 중량은 내경 가공이 없는 상태의 수치임.

※ Coupling weight, without bore machining



〈GSE〉

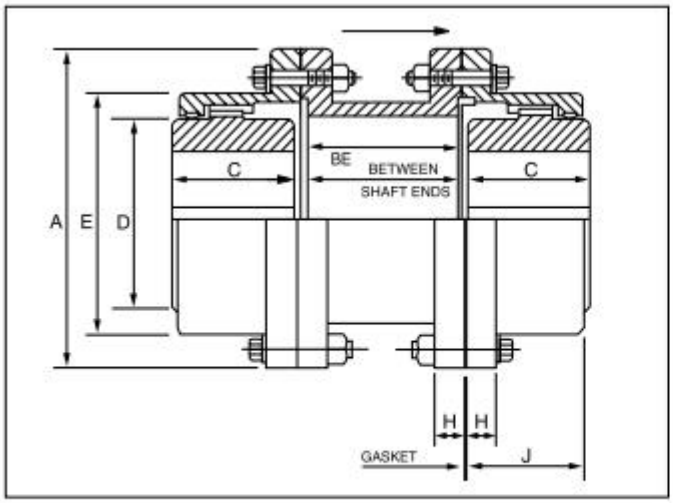
Size	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore Dia(mm) Max. DE	Bore Dia(mm) Max. DA	Bore Dia(mm) Min	Dimensions(mm) A	B	C	D	E	J	L	Gap (mm)	Cplg wt(kg)	Lube wt(kg)	Size
10GSE	8,000	8,594	60	48	13	116	87	43	69	84	39	40	4	4.5	0.02	10GSE
15GSE	6,500	19,337	75	60	19	152	99	49	86	105	48	46	4	9.1	0.04	15GSE
20GSE	5,600	35,810	92	73	25	178	124	62	105	126	59	58	4	15.9	0.07	20GSE
25GSE	5,000	64,458	111	92	32	213	156	77	131	155	72	74	5	27.2	0.12	25GSE
30GSE	4,400	107,430	130	105	38	240	184	91	152	180	84	88	5	43.1	0.18	30GSE
35GSE	3,900	164,726	149	124	51	279	213.5	106	178	211	98	102	5.5	61.2	0.27	35GSE
40GSE	3,600	250,670	171	146	64	318	243	121	210	245	111	115	7	99.8	0.47	40GSE
45GSE	3,200	343,776	194	165	76	346	274	135	235	274	123	131	8	136.1	0.57	45GSE
50GSE	2,900	465,530	222	178	89	389	309	153	254	306	141	147	9	195.0	0.91	50GSE
55GSE	2,650	608,770	248	197	102	425	350	168	279	334	158	173	9	263.1	1.13	55GSE
60GSE	2,450	787,820	267	222	114	457	384	188	305	366	169	186	10	324.3	1.70	60GSE

〈GSEL〉

Size	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore Dia(mm) Max. DE	Bore Dia(mm) Max. DA	Bore Dia(mm) Min	Dimensions(mm) A	B	C	D	E	J	L	K	Gap (mm)	Cplg wt(kg)	Lube wt(kg)	Size
70GSEL	2,150	1,145,920	305	254	89	527	454	221	343	425	196	220	517	13	508.0	2.27	70GSEL
80GSEL	1,750	1,504,020	343	279	102	591	511	249	356	451	243	249	572	13	698.5	4.99	80GSEL
90GSEL	1,550	2,041,170	381	305	114	660	566	276	394	508	265	276	641	14	984.3	6.35	90GSEL
100GSEL	1,450	2,864,800	406	343	127	711	626	305	445	530	294	305	699	16	1,251.9	7.71	100GSEL
110GSEL	1,330	3,939,100	445	387	140	775	682	333	495	584	322	333	749	16	1,637.5	9.07	110GSEL
120GSEL	1,200	5,013,400	495	425	152	838	722	353	546	648	341	353	826	16	2,077.5	10.89	120GSEL

※ Coupling 중량은 내경 가공이 없는 상태의 수치임.

※ Coupling weight, without bore machining



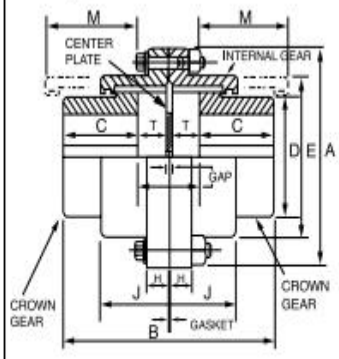
Size	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore Dia (mm)		Dimensions (mm)								Cplg wt(kg)	Lube wt(kg)	Size
					A	BE		C	D	E	H	J			
			Max.	Min.		Min.	Max.								
10GSCD	7,000	8,594	48	13	116	83	311	43	69	84	14	39	6.8	0.04	10GSCD
15GSCD	5,500	19,337	60	19	152	83	311	49	86	105	19	48	13.6	0.07	15GSCD
20GSCD	4,600	35,810	73	25	178	83	311	62	105	126	19	59	20.4	0.11	20GSCD
25GSCD	4,000	64,458	92	32	213	95	311	77	131	155	22	72	38.6	0.23	25GSCD
30GSCD	3,600	107,430	105	38	240	95	311	91	152	180	22	84	54.4	0.36	30GSCD
35GSCD	3,100	164,726	124	51	279	120	311	106	178	211	28	98	88.5	0.54	35GSCD
40GSCD	2,800	250,670	146	64	318	120	311	121	210	245	28	111	122.5	0.91	40GSCD
45GSCD	2,600	343,776	165	76	346	120	311	135	235	274	28	123	165.6	1.04	45GSCD
50GSCD	2,400	465,530	178	89	389	146	311	153	254	306	38	141	238.1	1.77	50GSCD
55GSCD	2,200	608,770	197	102	425	146	311	168	279	334	38	158	306.2	2.22	55GSCD
60GSCD	2,100	787,820	222	114	457	146	311	188	305	366	25	169	358.3	3.18	60GSCD
70GSCD	1,800	1,145,920	254	89	527	146	311	221	343	425	28	196	562.5	4.35	70GSCD

▣▣ Type GH (Gear Horizontal Sliding)

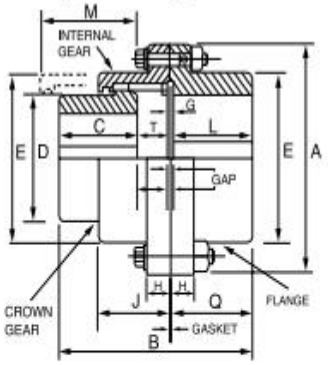
Size	GHD (Double Engagement)							GHS (Single Engagement)						Size
	B. Max.	T Max.		Gap		Cplg wt (kg)	Lube wt (kg)	B Max.	T Max.	Gap (mm)		Cplg wt (kg)	Lube wt (kg)	
		Half	Total	Max.	Min.					Min.	Max.			
10GH	126	16	32	40	8	4.5	0.02	106	19	23	4	4.5	0.01	10GH
15GH	152	23	46	54	8	9.1	0.04	124	25	29	4	9.1	0.02	15GH
20GH	186	27	54	62	8	15.9	0.06	153	29	33	4	15.9	0.04	20GH
25GH	231	34	68	77	9	29.5	0.11	192	36	41	5	29.5	0.06	25GH
30GH	263	36	72	81	9	40.8	0.18	222	38	43	5	43.1	0.11	30GH
35GH	313	45	90	101	11	68.0	0.27	262	48	54	6	68.0	0.18	35GH
40GH	364	54	108	122	14	99.8	0.45	300	57	64	7	99.8	0.27	40GH
45GH	406	60	120	136	16	136.1	0.51	338	64	72	8	136.1	0.34	45GH
50GH	460	68	136	154	18	192.8	0.91	382	73	82	9	195.0	0.54	50GH
55GH	510	78	156	174	18	254.0	1.13	433	83	91	9	253.1	0.73	55GH
60GH	563	83	166	187	21	317.5	1.19	473	89	99	10	324.3	0.96	60GH
70GH	669	99	198	224	26	499.0	2.18	561	107	120	13	510.3	1.36	70GH

※ Coupling 중량은 내경가공이 없는 상태의 것임.
※ Coupling weight, without bore machining

Type GH Double

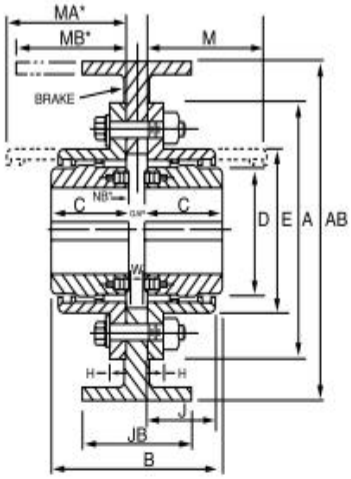


Type GH Single

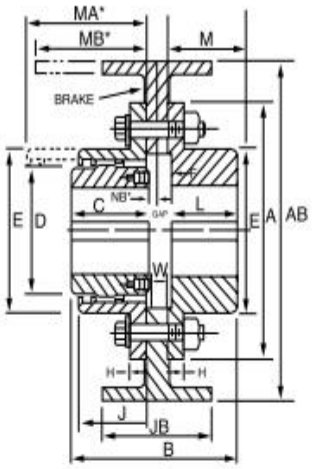


Size	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore Dia (mm)			Dimensions (mm)										Size
			Max.		Min	A	C	D	G	E	H	J	L	Q	M	
			Gear	Flange												
10GH	5,300	8,594	48	60	13	116	43	69	2.5	84	14	39	40	42	53	10GH
15GH	4,300	19,337	60	75	19	152	49	86	2.5	105	19	48	46	49	69	15GH
20GH	3,700	35,810	73	92	25	178	62	105	2.5	126	19	59	58	61	84	20GH
25GH	3,300	64,458	92	111	32	213	77	131	2.5	155	22	72	74	76	102	25GH
30GH	2,900	107,430	105	130	38	240	91	152	2.5	180	22	84	88	90	118	30GH
35GH	2,600	164,726	124	149	51	279	106	178	2.5	211	28	98	102	105	135	35GH
40GH	2,400	250,670	146	171	64	318	121	210	4	245	28	111	115	119	155	40GH
45GH	2,100	343,776	165	194	76	346	135	235	4	274	28	123	131	135	163	45GH
50GH	1,900	465,530	178	222	89	389	153	254	5	306	38	141	147	152	189	50GH
55GH	1,800	608,770	197	248	102	425	168	279	5	334	38	158	173	178	221	55GH
60GH	1,600	787,820	222	267	114	457	188	305	6.6	366	25	169	186	193	227	60GH
70GH	1,400	1,145,920	254	305	89	527	221	343	8.4	425	28	196	220	229	235	70GH

※ 'M' 값은 Sliding 간격에 따라 변한다.
※ M' is variable according to the sliding distance



〈GDBW〉



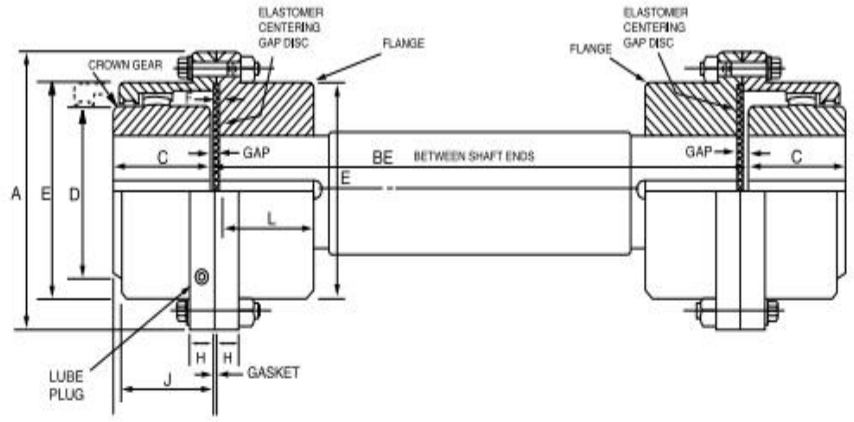
〈GSBW〉

Cplg Size	Standard Brake Wheel	
	Motor Power (40% ED KW)	Brake Torque (kg m)
10G	2.2 3.7	5 6.7
15G	5.5 7.5 11	10 14 21.2
20G	15	30
25G	22	40
30G	30	53
35G	37 45	63 80
40G	55	132
45G	75 90	180
50G	110 132	335
55G	160 200	400 475
60G	250 300	900
70G	350 400	1500

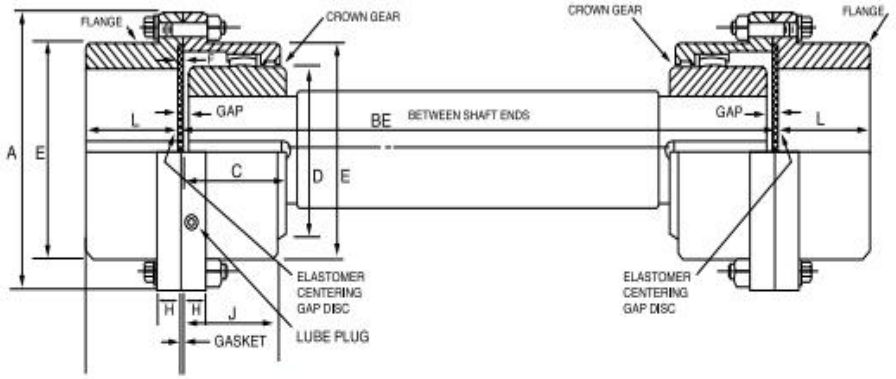
※ Motor는 권선형 Crane용 기준
※ Based on Crane motor.

Brake wheel Size (mm)		Size	Max.Brake Rating of Cplg	Bore Dia(mm)			Dimensions(mm)										Gap (mm)		Lube wt(kg)		Size
AB	JB			Max.		Min.	A	B		C	D	E	H	J	L	M	W					
				Gear	Flange			GD	GS									GD	GS	GD	GS	
160	80	10G	2,558	48	60	13	116	99	97	43	69	84	14	39	40	51	10	13	14	0.04	0.03	10G
200	100	15G	5,807	60	75	19	152	114	112	49	86	105	19	48	46	61	13	16	17	0.09	0.05	15G
250	125	20G	10,715	73	92	25	178	140	137	62	105	126	19	59	58	76	13	16	17	0.14	0.09	20G
250	125	25G	19,356	92	111	32	213	173	170	77	131	155	22	72	74	91	14	19	19	0.27	0.16	25G
315	160	30G	31,799	105	130	38	240	201	198	91	152	180	22	84	88	107	14	19	19	0.41	0.23	30G
355	180	35G	49,081	124	149	51	279	237	233	106	178	211	28	98	102	130	19	25	25	0.57	0.34	35G
400	200	40G	74,659	146	171	64	318	267	262	121	210	245	28	111	115	145	19	25	26	0.91	0.54	40G
450	224	45G	102,310	165	194	76	346	297	293	135	235	274	28	123	131	165	19	27	27	1.13	0.64	45G
500	250	50G	138,257	178	222	89	389	339	334	153	254	306	38	141	147	183	25	33	34	1.87	1.13	50G
560	280	55G	181,463	197	248	102	425	369	375	168	279	334	38	158	173	203	25	33	34	2.32	1.36	55G
762	362	60G	235,037	222	267	114	457	409	410	188	305	366	25	169	186	229	25	33	36	3.40	1.93	60G
762	362	70G	341,495	254	305	89	527	477	479	221	343	425	28	196	220	267	25	35	38	4.45	2.61	70G

※ Coupling 중량은 내경 가공이 없는 상태의 수치임.
※ Coupling weight, without bore machining



GFS-R (Flange Hubs on Floating Shafts)



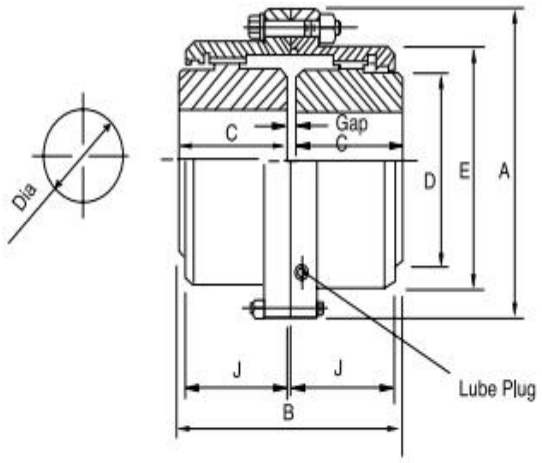
GFS-O (Flex Hubs on Floating Shafts)

Size	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore Dia(mm)			Dimensions(mm)										Gap (mm)	Cplg wt(kg)	Lube wt(kg) Per Cplg	Size
			Max.		Min	A	BE Min.		C	D	F	E	H	J	L				
			Gear	Flange			GFS-R	GFS-O											
10GFS	8,000	8,594	48	60	13	116	92	133	43	69	2.5	84	14	39	40	4.0	4.5	0.02	10GFS
15GFS	6,500	19,337	60	75	19	152	105	159	49	86	2.5	105	19	48	46	4.0	9.1	0.04	15GFS
20GFS	5,600	35,810	73	92	25	178	129	197	62	105	2.5	126	19	59	58	4.0	15.9	0.07	20GFS
25GFS	5,000	64,458	92	111	32	213	162	241	77	131	2.5	155	22	72	74	5	27.2	0.12	25GFS
30GFS	4,400	107,430	105	130	38	240	189	279	91	152	2.5	180	22	84	88	5	43.1	0.18	30GFS
35GFS	3,900	164,726	124	149	51	279	219	324	106	178	2.5	211	28	98	102	5.5	68.0	0.27	35GFS
40GFS	3,600	250,670	146	171	64	318	248	419	121	210	4.0	245	28	111	115	7	99.8	0.47	40GFS
45GFS	3,200	343,776	165	194	76	346	281	508	135	235	4.0	274	28	123	131	8	136.1	0.57	45GFS
50GFS	2,900	465,530	178	222	89	389	316	533	153	254	5.0	306	38	141	147	9	195.0	0.91	50GFS
55GFS	2,650	608,770	197	248	102	425	367	572	168	279	5.0	334	38	158	173	9	263.1	1.13	55GFS
60GFS	2,450	787,820	222	267	114	457	397	597	188	305	6.6	366	25	169	186	10	324.3	1.70	60GFS
70GFS	2,150	1,145,920	254	305	89	527	470	673	221	343	8.4	425	28	196	220	13	508.0	2.27	70GFS

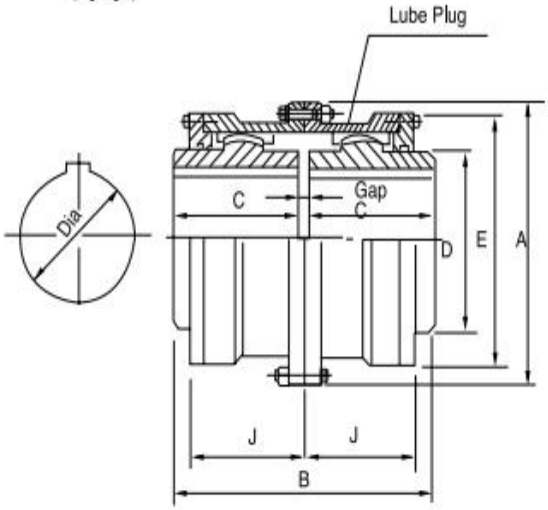
※ Coupling 중량은 내경 가공이 없는 상태의 수치임.

※ Coupling weight, without bore machining

〈SS〉



〈CC〉

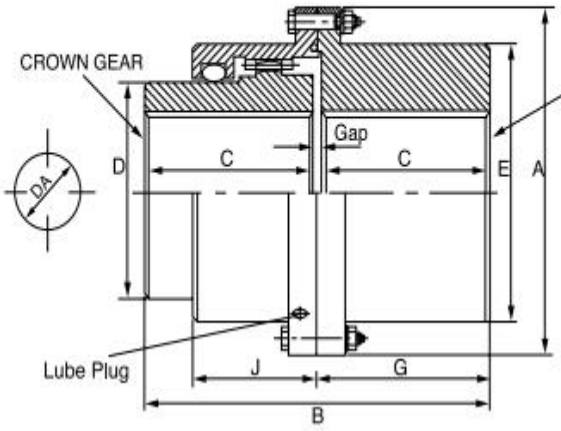


Size	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore Dia(mm) Max. DA	Bore Dia(mm) Max. DE	Bore Dia(mm) Min	Dimensions(mm) A	B	C	D	E	J	Gap (mm)	Cplg wt(kg)	Lube wt(kg)	Size
SS100	3,600	2,600	32	40	16	100	88	40	46	67	34	8	4	0.03	SS100
SS112	3,600	5,730	40	50	16	112	108	50	58	79	39	8	4.6	0.04	SS112
SS125	3,600	10,160	50	56	31	125	134	63	70	92	44	8	6.7	0.05	SS125
SS140	3,600	14,630	56	63	31	140	150	71	80	107	47	8	9.3	0.07	SS140
SS160	3,600	22,390	63	71	31	160	170	80	95	120	52	10	14	0.09	SS160
SS180	3,600	34,380	71	80	45	180	190	90	105	134	56	10	19	0.12	SS180
SS200	3,600	49,100	80	90	45	200	210	100	120	149	61	10	26	0.15	SS200
SS224	3,080	71,330	90	100	51	224	236	112	145	174	65	12	38	0.25	SS224
SS250	2,650	96,190	100	125	51	250	262	125	165	200	74	12	56	0.35	SS250
SS280	2,340	166,600	125	140	51	280	294	140	190	224	82	14	83	0.48	SS280
SS315	1,980	262,600	160	180	112	315	356	170	225	260	96	16	135	0.77	SS315
SS355	1,800	395,400	180	200	125	355	396	190	250	288	108	16	184	0.94	SS355
SS400	1,570	555,500	200	236	140	400	418	200	285	329	114	18	261	1.36	SS400
CC450	1,540	752,000	200	224	140	450	418	200	290	372	151	18	304	1.79	CC450
CC500	1,320	1,183,000	236	265	170	500	494	236	335	425	168	22	453	2.64	CC500
CC560	1,170	1,697,000	265	300	190	560	552	265	385	475	187	22	664	3.23	CC560
CC630	990	2,650,000	315	355	224	630	658	315	455	548	213	28	1,020	4.93	CC630
CC710	870	3,800,000	355	400	250	710	738	355	510	622	242	28	1,460	6.63	CC710
CC800	780	5,443,000	400	450	280	800	832	400	570	690	267	32	2,090	9.35	CC800

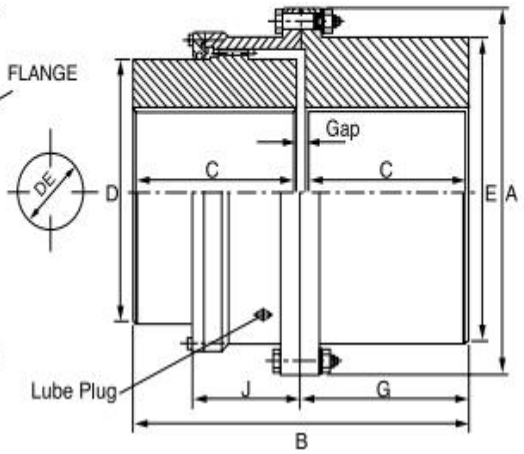
※Coupling 중량은 내경 가공이 없는 상태의 수치임.

※Coupling weight, without bore machining

〈SE〉



〈CE〉



Size	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore Dia(mm) Max. DA	Bore Dia(mm) Max. DE	Bore Dia(mm) Min	Dimensions(mm) A	B	C	D	E	G	J	Gap (mm)	Cplg wt(kg)	Lube wt(kg)	Size
SE100	3,600	2,600	32	40	16	100	88	40	46	67	44	34	8	4	0.03	SE100
SE112	3,600	5,730	40	50	16	112	108	50	58	79	54	39	8	4.6	0.04	SE112
SE125	3,600	10,160	50	56	31	125	134	63	70	92	67	44	8	6.7	0.05	SE125
SE140	3,600	14,630	56	63	31	140	150	71	80	107	75	47	8	9.3	0.07	SE140
SE160	3,600	22,390	63	71	31	160	170	80	95	120	85	52	10	14	0.09	SE160
SE180	3,600	34,380	71	80	45	180	190	90	105	134	95	56	10	19	0.12	SE180
SE200	3,600	49,100	80	90	45	200	210	100	120	149	105	61	10	26	0.15	SE200
SE224	3,080	71,330	90	100	51	224	236	112	145	174	118	65	12	38	0.25	SE224
SE250	2,650	96,190	100	125	51	250	262	125	165	200	131	74	12	56	0.35	SE250
SE280	2,340	166,600	125	140	51	280	294	140	190	224	147	82	14	83	0.48	SE280
SE315	1,980	262,600	160	180	112	315	356	170	225	260	178	98	16	135	0.77	SE315
SE355	1,800	395,400	180	200	125	355	396	190	250	288	198	108	16	184	0.94	SE355
SE400	1,570	555,500	200	236	140	400	418	200	285	329	209	114	18	261	1.36	SE400
CE450	1,540	752,000	200	224	140	450	418	200	290	372	209	151	18	304	1.79	CE450
CE500	1,320	1,183,000	236	265	170	500	494	236	335	425	247	168	22	453	2.64	CE500
CE560	1,170	1,697,000	265	300	190	560	552	265	385	475	276	187	22	664	3.23	CE560
CE630	990	2,650,000	315	355	224	630	658	315	455	548	329	213	28	1,020	4.93	CE630
CE710	870	3,800,000	355	400	250	710	738	355	510	622	369	242	28	1,460	6.63	CE710
CE800	780	5,443,000	400	450	280	800	832	400	570	690	416	267	32	2,090	9.35	CE800

※Coupling 중량은 내경 가공이 없는 상태의 수치임.

※Coupling weight, without bore amachining

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Soluciones en transmisión de potencia

Woo Chang