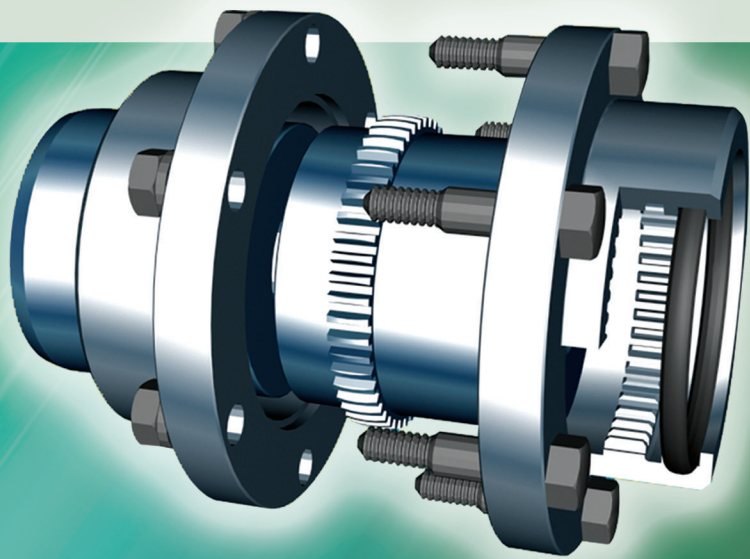
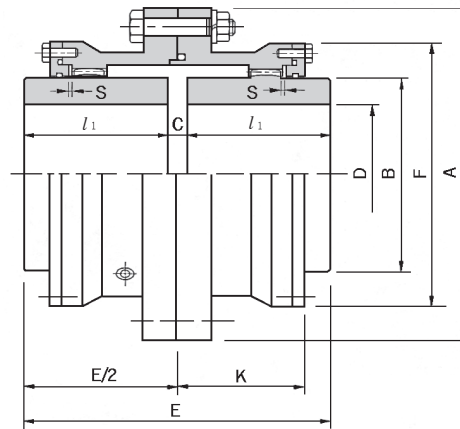
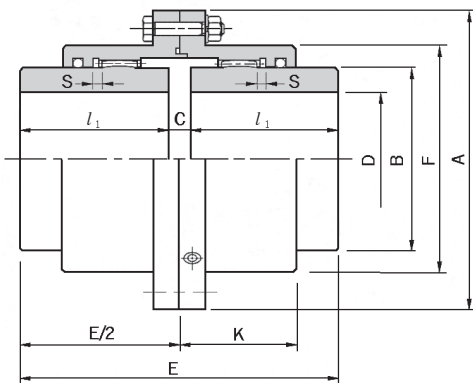


GEAR COUPLING



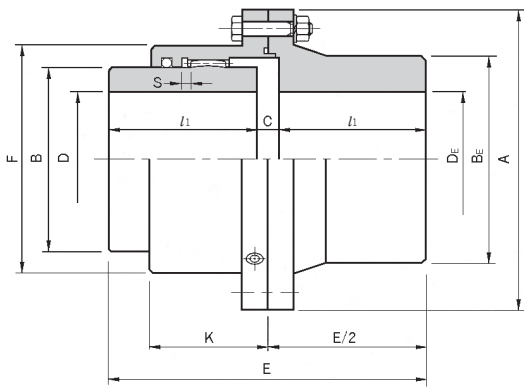
표준품 규격 / Dimensions

Jac-SSM

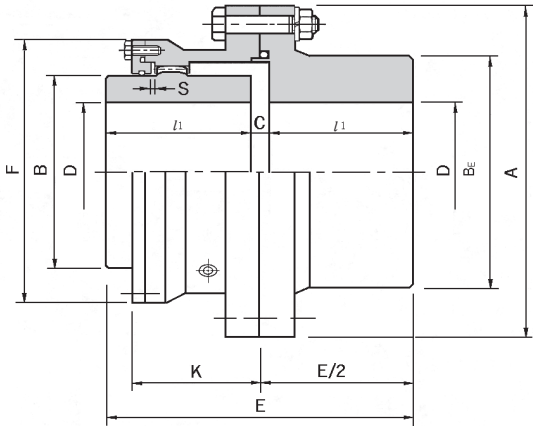




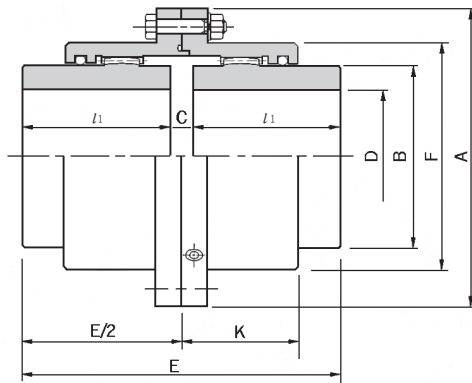
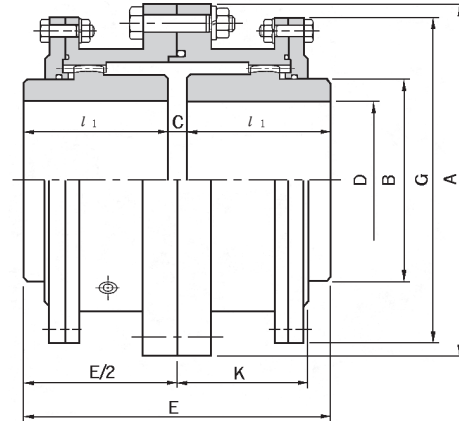
Jac-SEM



Jac-CEM

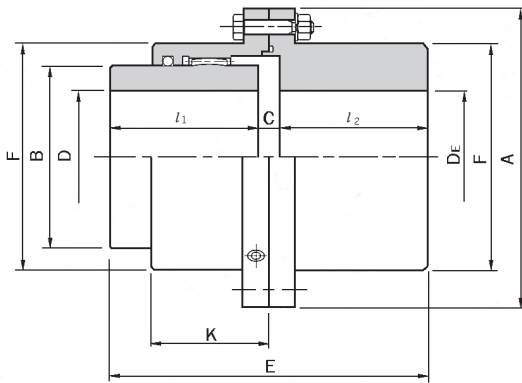


SIZE	Torque Rating (kg-m)	Max Speed (rpm)	Dimensions(mm)													GREASE Q'TY (<i>l</i>)	WT (kg)	GD ² (kg · m²)
			Bore D		Bore D _E		E	<i>l</i> ₁	C	B	F	K	B _E	S				
			Min	Max	Min	Max												
SEM 112	57.3	4000	17	40	17	50	108	50	8	58	79	40	70	2	0.042	4.6	0.0197	
SEM 125	101.6	"	22	50	22	56	134	63	8	70	92	43	80	2.5	0.056	6.7	0.0348	
SEM 140	146.3	"	22	56	22	63	150	71	8	80	107	47	90	2.5	0.085	9.3	0.0591	
SEM 160	223.9	"	22	65	22	75	170	80	10	95	120	52	105	3	0.11	14	0.111	
SEM 180	343.8	"	32	75	32	80	190	90	10	105	134	56	115	3	0.14	19	0.183	
SEM 200	491.0	3810	32	85	32	95	210	100	10	120	149	61	135	3	0.18	26	0.317	
SEM 224	713.3	3410	42	100	42	105	236	112	12	145	174	65	150	4	0.29	38	0.579	
SEM 250	961.9	3050	42	115	42	125	262	125	12	165	200	74	180	4	0.41	56	1.08	
SEM 280	1666	2720	42	135	42	150	294	140	14	190	224	82	210	4.5	0.56	83	2.14	
SEM 315	2626	2420	100	160	100	180	356	170	16	225	260	98	250	5.5	0.90	135	4.55	
SEM 355	3954	2150	125	180	125	200	396	190	16	250	288	108	275	5.5	1.1	184	7.50	
SEM 400	5555	1900	140	200	140	236	418	200	18	285	329	114	325	6.5	1.6	261	14.1	
CEM 450	7520	1690	140	205	140	225	418	200	18	290	372	151	320	5	2.1	304	18.2	
CEM 500	11830	1520	170	236	170	270	494	236	22	335	424	168	380	6	3.1	453	37.0	
CEM 560	16970	1360	190	275	190	305	552	265	22	385	472	187	430	6.5	3.8	664	70.0	
CEM 630	26500	1210	224	325	224	355	658	315	28	455	544	213	500	8	5.8	1020	139	
CEM 710	38000	1070	250	360	250	400	738	355	28	510	622	242	565	8.5	7.8	1460	252	
CEM 800	54430	950	280	405	280	450	832	400	32	570	690	267	635	9.5	11	2090	451	
CEM 900	82000	840	315	475	315	510	932	450	32	670	792	295	715	10.5	14	3020	743	
CEM 1000	113000	760	355	510	355	570	1040	500	40	720	858	322	800	12	20	4130	1440	
CEM 1120	165000	682	400	600	400	640	1160	560	40	840	990	360	900	13	26	5970	2810	
CEM 1250	212000	610	500	710	500	800	1460	710	40	960	1126	399	1060	14	37	9820	5630	

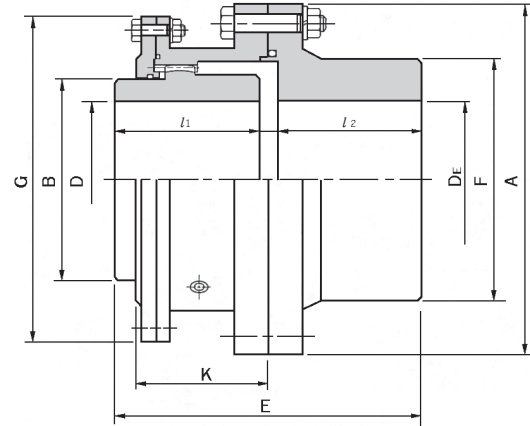
*Jac*-GD*Jac*-GDL

Size	HP Per 100 rpm	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore D(mm)		Dimensions(mm)							C	Cplg wt(kg)	Grease wt(kg)
				Max	Min	A	E	l ₁	B	F	K	G			
10GD	12	8,000	8,594	48	13	116	89	43	69	84	39		3	4.5	0.04
15GD	27	6,500	19,337	60	19	152	101	49	86	105	48		3	9.1	0.07
20GD	50	5,600	35,810	73	25	178	127	62	105	126	59		3	15.9	0.11
25GD	90	5,000	64,458	92	32	213	159	77	131	155	72		5	29.5	0.23
30GD	150	4,400	107,430	105	38	240	187	91	152	180	84		5	43.1	0.36
35GD	230	3,900	164,726	124	51	279	218	106	178	211	98		6	68.0	0.54
40GD	350	3,600	250,670	146	64	318	248	121	210	245	111		6	97.5	0.91
45GD	480	3,200	343,776	165	76	346	278	135	235	274	123		8	136.1	1.04
50GD	650	2,900	465,530	178	89	389	314	153	254	306	141		8	190.5	1.77
55GD	850	2,650	608,770	197	102	425	344	168	279	334	158		8	249.5	2.22
60GD	1,100	2,450	787,820	222	114	457	384	188	305	366	169		8	306.2	3.18
70GDL	1,600	2,150	1,145,920	254	89	527	451.5	221	343		196	517	9.5	485.4	4.35
80GDL	2,100	1,750	1,504,020	279	102	591	507.5	249	356		243	572	9.5	703.1	9.53
90GDL	2,850	1,550	2,041,170	305	114	660	565	276	394		265	641	13	984.3	12.25
100GDL	4,000	1,450	2,864,800	343	127	711	623	305	445		294	699	13	1302.0	14.97
110GDL	5,500	1,330	3,939,400	387	140	775	679	333	495		322	749	13	1678.3	17.69
120GDL	7,000	1,200	5,013,400	425	152	838	719	353	546		341	826	13	2113.8	20.87

Jac-GS



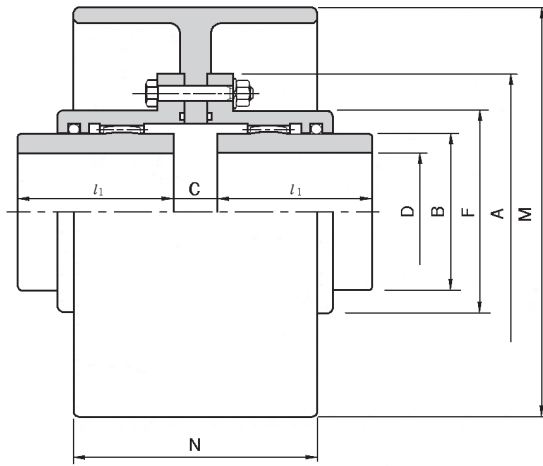
Jac-GSL



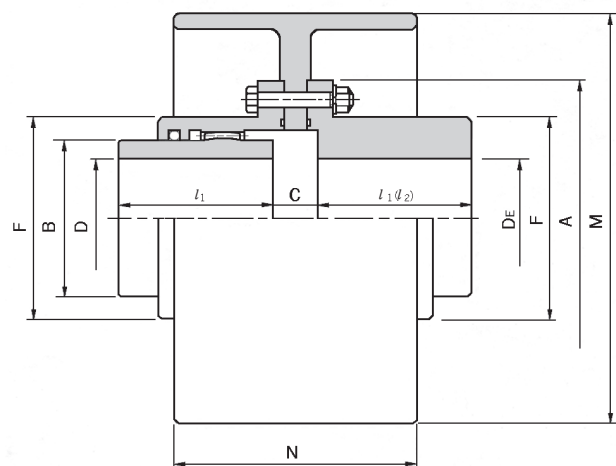
Size	HP Per 100 rpm	Max. Speed (rpm)	Basic Torque (kg · cm)	Bore D(mm)			Dimensions(mm)										Cplg wt(kg)	Grease wt(kg)
				Max		Min	A	E	l ₁	B	F	K	l ₂	G	C			
				D _E	D													
10GS	12	8,000	8,594	60	48	13	116	87	43	69	84	39	40		4	4.5	0.02	
15GS	27	6,500	19,337	75	60	19	152	99	49	86	105	48	46		4	9.1	0.04	
20GS	50	5,600	35,810	92	73	25	178	124	62	105	126	59	58		4	15.9	0.07	
25GS	90	5,000	64,458	111	92	32	213	156	77	131	155	72	74		5	27.2	0.12	
30GS	150	4,400	107,430	130	105	38	240	184	91	152	180	84	88		5	43.1	0.18	
35GS	230	3,900	164,726	149	124	51	279	213.5	106	178	211	98	102		5.5	61.2	0.27	
40GS	350	3,600	250,670	171	146	64	318	243	121	210	245	111	115		7	99.8	0.47	
45GS	480	3,200	343,776	194	165	76	346	274	135	235	274	123	131		8	136.1	0.57	
50GS	650	2,900	465,530	222	178	89	389	309	153	254	306	141	147		9	195.0	0.91	
55GS	850	2,650	608,770	248	197	102	425	350	168	279	334	158	173		9	263.1	1.13	
60GS	1,100	2,450	787,820	267	222	114	457	384	188	305	366	169	186		10	324.3	1.70	
70GSL	1,600	2,150	1,145,920	305	254	89	527	454	221	343	425	196	220	517	13	508.0	2.27	
80GSL	2,100	1,750	1,504,020	343	279	102	591	511	249	356	451	243	249	572	13	698.5	4.99	
90GSL	2,850	1,550	2,041,170	381	305	114	660	566	276	394	508	265	276	641	14	984.5	6.35	
100GSL	4,000	1,450	2,864,800	406	343	127	711	626	305	445	530	294	305	699	16	1251.9	7.71	
110GSL	5,500	1,330	3,939,400	445	387	140	775	682	333	495	584	322	333	749	16	1637.5	9.07	
120GSL	7,000	1,200	5,013,400	495	425	152	838	722	353	546	648	341	353	826	16	2077.5	10.89	

NOTE) 아래 그림에 표기된 상세 Dimension은 12~15페이지에 기재 되어 있는 해당 표준 Size규격과 동일함.

Brake Drum Type



Jac-SSMB
Jac-GDBW



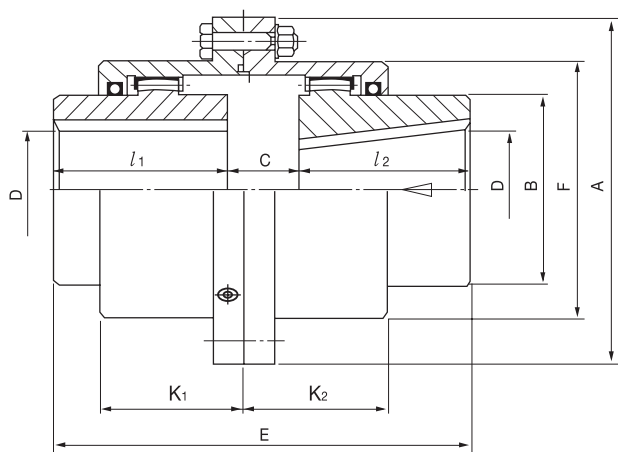
Jac-SEMB
Jac-GSBW

<i>Jac-SSMB, SEMB</i>					DRUM SIZE		<i>Jac-GDBW, GSBW</i>						
Size	l_1	C	D max/min	DE max/min			DE max/min	D max/min	C	l_1	l_2	A	Size
140	63	24	56/22	63/22	200	100	75/19	60/19	16	49	46	152	15G
160	80	26	65/22	75/22			95/25	73/25	16	62	58	178	20G
180	90	29	75/32	80/32	250	125	113/32	92/32	19	77	74	213	25G
200	100	29	85/32	95/32									
224	112	31	100/42	105/42	315	160	130/38	105/38	19	91	88	240	30G
250	125	31	115/42	125/42									
280	140	31	135/42	150/42	355	180	149/51	124/51	25	106	102	279	35G
315	160	41	160/100	180/100	400	200	171/64	146/64	25	121	115	318	40G
355	180	43	180/125	200/125	450	224	194/76	165/76	27	135	131	346	45G
400	200	49	200/140	236/140	500	250	222/89	178/89	33	153	147	389	50G

* 'M' 과 'N'의 치수는 설치장소의 공간에 따라 변할 수 있음.

* 'M' and 'N' are variable according to the space of machine.

Mill Motor Type



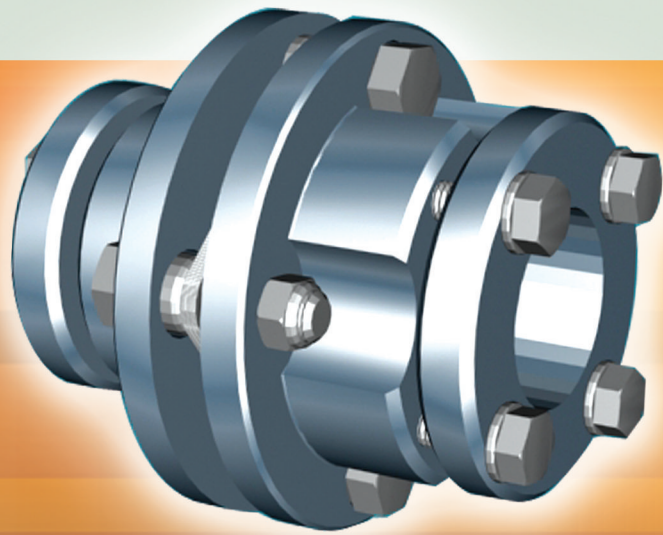
Jac-SMM

Size	DIMENSIONS						GD ² (kg, m ²)
OUTSIDE Dia A	E	l_1	l_2	C	K ₁	K ₂	
SMM 125(a)	157	50	75	32	43	66	0.038
SMM 125(b)	172	50	90	32	43	66	0.039
SMM 140	185	63	90	32	47	72	0.066
SMM 160	220	80	100	40	52	82	0.123
SMM 180	246	90	115	41	56	87	0.208
SMM 200	260	100	115	45	61	93	0.336
SMM 224	289	112	125	52	65	102	0.637
SMM 250	305	125	125	55	74	105	1.09
SMM 280(a)	339	140	140	59	82	115	2.09
SMM 280(b)	339	140	150	49	82	115	2.13
SMM 315(a)	386	160	170	56	98	128	4.27
SMM 315(b)	421	160	185	76	98	143	4.42
SMM 355	491	180	235	76	108	155	7.79

The detail dimensions on the above figures are the same as our original standard size(SSM, SEM, GD, GS)on the page 12 through page 15.

FLEXIBLE DISC

COUPLING

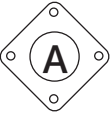
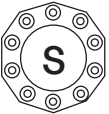


6. misalignment의 허용범위가 넓으므로 여러가지 system에 유연하게 적응합니다. 또한 특수설계에 의한 커다란 misalignment에도 대응할 수가 있습니다. misalignment가 흡수될 경우 shaft에 반력이 발생하지만 중앙 **Jac** 디스크 카플링을 사용하면 다른 coupling에 비해 반력을 보다 적게 억제시킬 수 있습니다.
7. 중앙 **Jac** 디스크 카플링의 부하능력은 특수한 경우를 제외하고는 극히 낮은 level에서 보존됩니다. 따라서 허용 misalignment내에 있으면 수명은 반영구적입니다. 부품수가 적고 소형이므로 빠르고 확실하게 설치, 분해가 가능합니다. 또한 조립 재현성(再現性)이 좋으므로 고속회전기에 매우 적합합니다.

6. Flexible couplings prevent problems by absorbing shaft misalignment while transmitting torque; this puts an opposing load on the shaft. With **Jac** DISK COUPLING however, this load is much lower than that with other types of couplings.

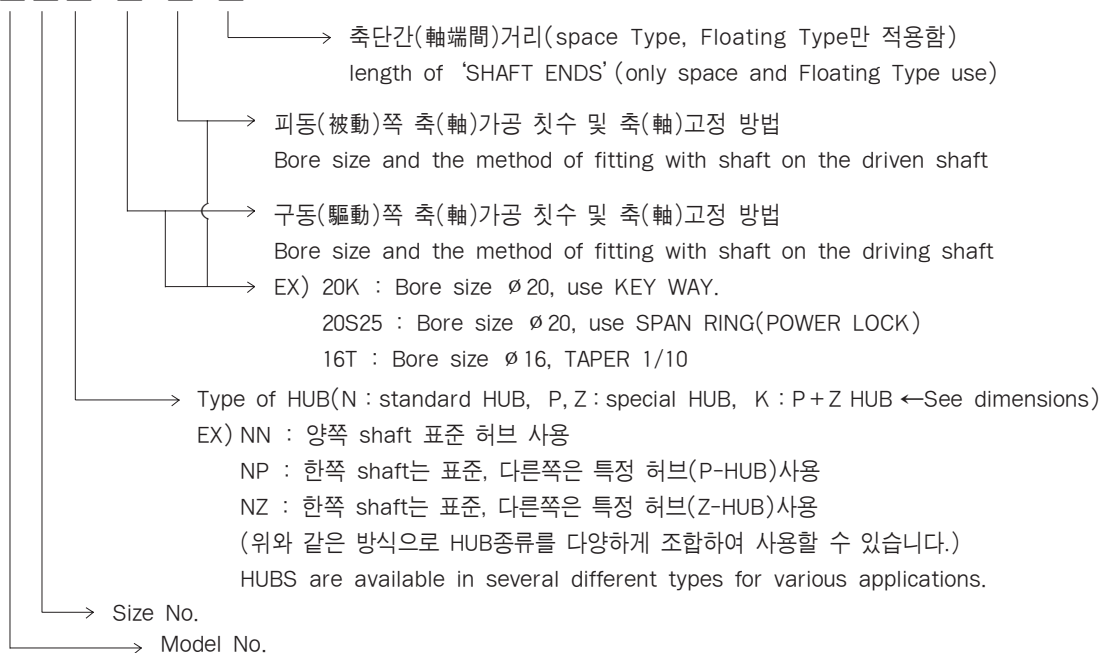
7. Load stress on **Jac** DISK COUPLING is maintained at very low level, except in special cases. Therefore the service life of these couplings is practically unlimited when operated within the acceptable range of allowable misalignment. Couplings can be mounted and unmounted quickly and easily due to their compactness and small number of parts. Excellent reassembly characteristics provide superior speed.

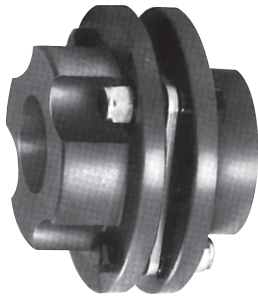
Type of Flexible Elements

Type of disc-plate Usage		 Max.angular misalignment:1° Allowable torque: 3.4-650 kg · m	 Max.angular misalignment:0.7° Allowable torque: 58-13,070 kg · m	 Max.angular misalignment:0.5° Allowable torque: 392-18,150 kg · m	 Max.angular misalignment:0.35° Allowable torque: 1,379-26,130 kg · m	 Max.angular misalignment:0.25° Allowable torque: 1,669-31,936 kg · m	 Number of bolts:10-20.Number is determined based on service conditions.Consult us for further information.. Max.torque:200 × 10 ³ kg · m
double disc-flex	single	A3	E3	-	-	-	-
	short space	AX	-	-	-	-	-
	standard space	A4	E4	G4	S4	U4	W4
floating disc-flex	custom space	AB	EB	GB	SB	UB	WB
	horizontal	A5	E5	G5	S5	U5	W5
	vertical	A7	E7	G7	S7	U7	W7

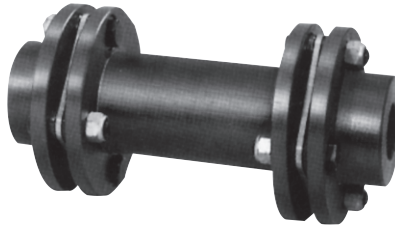
호칭방법 / Designation

Jac - □ □ □ - □ / □ - □





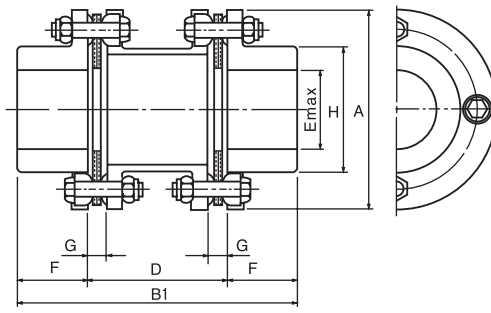
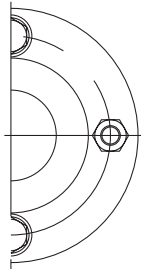
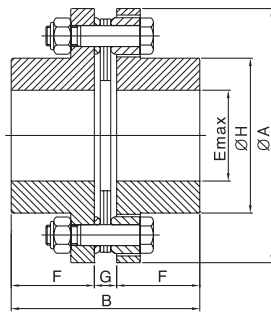
A3- TYPE



AX, A4 - TYPE



A5 - TYPE

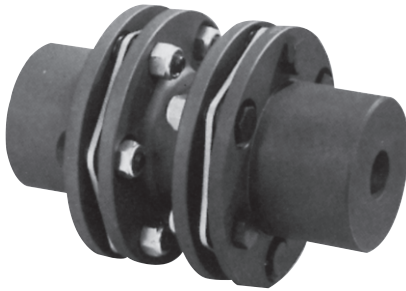


(A3 - TYPE) 4-Bolt

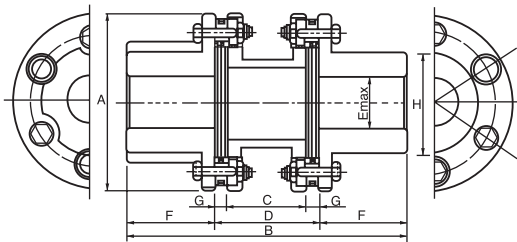
Size No.	Basic torque (Kg.m)	Max radial load (kg)	Max. rpm	표준허브(N-Hub)						특정허브(K-Hub)			Weight (kg)	GD ² (kg·cm ²)
				A	B	Emax	F	G	H	P-Hub	Z-Hub			
										F	H	Emax		
05	3.4	15	47,000	67.4	56.9	22	25.4	6.1	33.1	40	47	32	0.6	8
10	9.2	25	39,000	81.1	57.4	32	25.4	6.6	45.8	40	58	40	1.1	24
15	18	56	34,000	92.8	65.8	35	28.7	8.4	50.8	45	66	42	1.7	48
20	25	83	30,000	103.7	78.2	42	33.5	11.2	61.0	50	77	48	2.4	80
25	43	120	25,000	125.8	93.9	50	41.1	11.7	71.2	60	92	60	4.3	224
30	79	180	22,000	143.0	107.3	60	47.8	11.7	83.9	70	104	70	6.9	440
35	130	270	19,000	168.0	131.2	72	57.2	16.8	105.5	85	129	85	11.5	1080
40	210	380	16,000	194.1	144	82	63.5	17.0	118.2	100	147	95	16.4	2080
45	340	450	15,000	214.2	174.0	95	76.2	21.6	137.2	115	166	110	28.0	3520
50	500	610	13,000	246.2	201.7	108	88.9	23.9	156.3	135	191	120	37.0	7200
55	650	770	11,000	275.6	230.4	118	101.6	27.2	169.0	150	209	130	51.0	12800

(Ax, A4 - TYPE) 4-Bolt Spacer Type

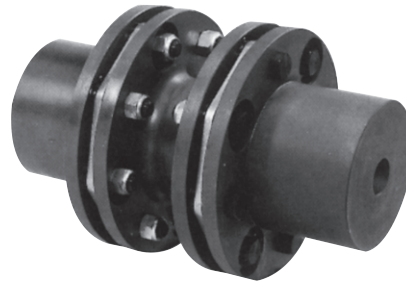
Size No.	Basic torque (kg · m)	Max. Speed rpm	A4(Standard)			AX(Short)			AB(Custom)		
			D	Weight (kg)	GD ² (kg · cm ²)	D	Weight	GD ²	Ba	D	D Max
05	3.4	47,000	88.9	1.2	18	36	1.1	17.8	2F + D	고객주문 사양	300
10	9.2	39,000	88.9	1.9	44	39	1.7	41			200
15	18	34,000	101.6	2.9	84	47	2.7	79			250
20	25	30,000	127.0	7.1	396	53	6.6	136			250
25	43	25,000	127.0	7.1	386	62	6.6	337			350
30	79	22,000	127.0	10.8	386	69	6.6	775			350
35	130	19,000	127.0	16.3	1680	78	15.6	1628			300
40	210	6,000	139.7	24.7	3400	89	24.0	3317			350
45	340	15,000	152.4	32.5	5600	97	31.5	5428			350
50	500	13,000	177.8	50.0	11200	109	48.4	10865			350
55	650	11,000	177.8	75.0	20400	134	73.9	20127			400



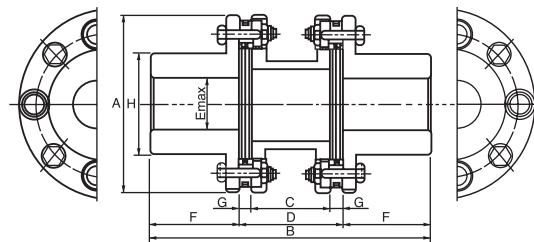
E4-TYPE



(E4 TYPE) 6-Bolt



G4-TYPE

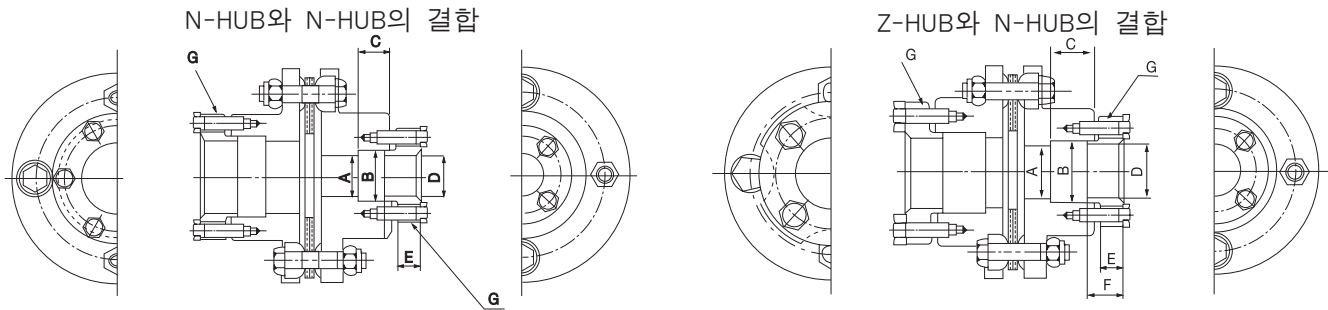


Size No.	Torque (kg · m)	A (mm)	B (mm)	C (mm)	(1) D (mm)	E Max (mm)	F (mm)	G (mm)	H (mm)	Max (rpm)	Weight W (Kg)	Inertial Effect GD ² (Kg · m ²)	Torsional stiffness (Kg · m/rad)	(2) Allow- able End Float (± mm)	(3) Axial Spring Constat (kg/mm)
00	58	119	168	39.4	60	51	54	10.3	74	26,000	6.0	0.03	0.45 × 10 ⁵	3.0	16.5
01	94	137	198	50.0	72	55	63	11.0	81	23,000	9.1	0.06	0.69 × 10 ⁵	3.4	21.1
02	174	161	238	67.2	90	67	74	11.4	97	19,000	16.9	0.14	0.94 × 10 ⁵	3.6	28.0
03	341	180	269	82.4	109	72	80	13.3	104	17,000	21.6	0.26	1.61 × 10 ⁵	4.2	45.7
04	500	212	308	87.6	118	85	95	15.2	124	15,000	35.1	0.59	3.14 × 10 ⁵	4.5	60.6
05	620	276	377	118	153	111	112	17.5	161	11,600	65.1	1.8	3.98 × 10 ⁵	3.9	42.2
10	840	276	377	115	153	111	112	19.0	161	11,600	66.1	1.9	4.95 × 10 ⁵	3.9	59.5
15	1,090	308	440	134	172	133	134	19.0	193	10,300	107.8	3.7	7.34 × 10 ⁵	4.2	57.0
20	1,820	346	497	148	191	152	153	21.5	218	9,200	156.1	6.7	1.22 × 10 ⁶	4.9	76.2
25	2,690	375	553	175	223	165	165	24.0	240	8,500	211.8	10.6	1.70 × 10 ⁶	5.2	85.7
30	3,410	410	610	195	254	178	178	29.5	258	7,800	274.5	16.5	2.17 × 10 ⁶	5.4	99.2
35	4,070	445	646	211	270	187	188	29.5	272	7,200	333.3	23.9	2.44 × 10 ⁶	5.6	103.4
40	4,720	470	686	212	274	205	206	31.0	297	6,800	399.2	30.7	2.99 × 10 ⁶	6.3	102.0
45	6,100	511	749	223	287	231	231	32.0	334	6,200	525.3	48.0	3.86 × 10 ⁶	6.7	100.5
50	7,620	556	800	227	292	254	254	32.5	364	5,700	676.3	72.9	4.80 × 10 ⁶	7.3	113.3
55	9,440	587	839	243	311	263	264	34.0	382	5,400	803.4	100.6	6.09 × 10 ⁶	7.8	123.2
60	10,890	629	895	274	343	275	276	34.5	399	5,000	954.1	137.4	6.60 × 10 ⁶	8.7	131.0
65	13,070	654	934	285	356	289	289	35.5	419	4,800	1,095.3	176.9	7.98 × 10 ⁶	8.9	138.3

(G4 TYPE) 8-Bolt

Size No.	Torque (kg · m)	A (mm)	B (mm)	C (mm)	D (mm)	E max (mm)	F (mm)	G (mm)	H (mm)	Max (rpm)	Weight (kg)	GD ² (kg · m ²)	Allowable Endfloat (± mm)	Torsional Stiffness (kg · m)
01	392	214	333	92.6	117	95	108	12.2	137	15,000	38.0	0.65	2.1	7.3
03	726	246	369	99.6	127	108	121	13.7	156	13,000	55.5	1.24	2.1	15.9
05	915	276	421	118	153	111	134	17.5	161	11,600	72.2	1.8	2.1	22.1
10	1,100	276	421	115	153	111	134	19.0	161	11,600	73.3	1.8	2.1	22.1
15	1,570	308	492	134	172	133	160	19.0	193	10,300	119.7	3.7	2.4	45
20	2,610	346	557	146	191	152	183	22.5	218	9,200	174.3	6.8	2.9	58
25	3,850	375	619	167	223	165	198	28.0	240	8,500	233.8	10.8	3.1	110
30	4,810	410	682	192	254	178	214	31.0	258	7,800	305.3	16.7	3.3	150
35	5,820	445	720	208	270	187	225	31.0	272	7,200	367.4	25.0	3.6	170
40	6,570	470	768	206	274	205	247	34.0	297	6,800	447.5	31.1	4.0	170
45	8,530	511	843	221	287	231	278	35.0	334	6,200	591.6	48.0	4.5	170
50	10,530	556	902	218	292	254	305	37.0	364	5,700	761.4	74.7	5.0	310
55	13,070	587	945	236	311	263	317	37.5	382	5,400	901.9	101.6	5.2	360

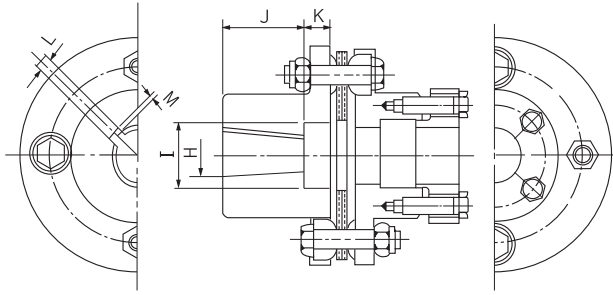
Design standard for Span ring HUB and Thrust Flange



• N-HUB: 표준HUB • Z-HUB: 스페셜HUB

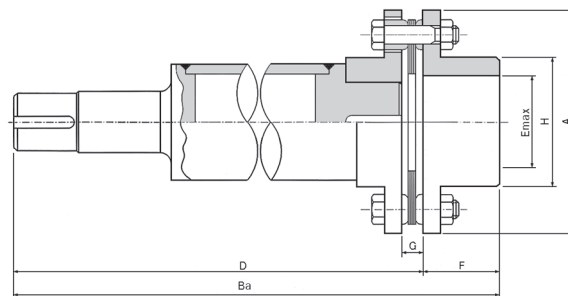
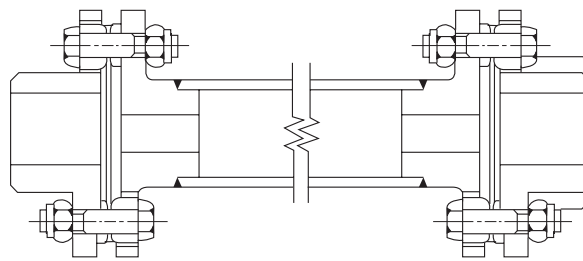
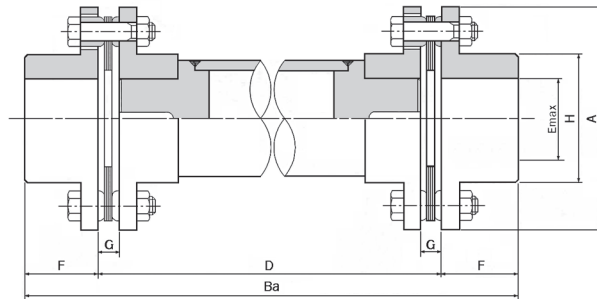
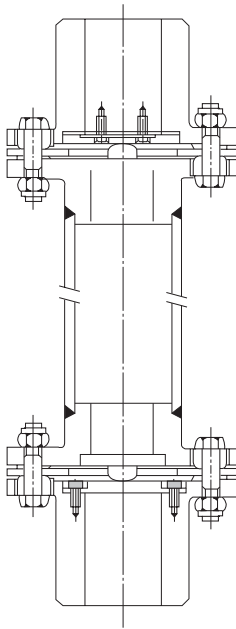
ø A (H7 mm) SHAFT DIA	ø B (H7 mm) SPAN RING OUT DIA	적용 SPAN RING SIZE	C (mm) SPAN RING 삽입부분 길이		ø D (mm) +0.05 +0.10	E (mm)	최소적용 카프링 규격 MINIMUM APPLICABLE COUPLING SIZE	G BOLT USED
			1EA사용	2EA사용				
15	19	15 × 19	8	14.6	15	10	A3-05Z A3-10N	4-M6 × 20L
16	20	16 × 20			16			
17	21	17 × 21			17			
18	22	18 × 22			18			
19	24	19 × 24			19			
20	25	20 × 25			20		A3-05Z A3-10N A3-15N	4-M6 × 25L
22	26	22 × 26			22		A3-10N A3-15N	4-M6 × 20L 4-M6 × 25L
24	28	24 × 28			24	12	A3-10Z A3-15N A3-20N	4-M6 × 20L
25	30	25 × 30			25			4-M6 × 25L
28	32	28 × 32			28			6-M6 × 25L
30	35	30 × 35			30			
32	36	32 × 36			32		A3-15N A3-20N	
35	40	35 × 40	9	15	35		A3-15N A3-20N A3-25N	
36	42	36 × 42			36		A3-20N A3-25N	6-M8 × 30L
38	44	38 × 44			38		A3-20Z A3-25N	4-M8 × 30L 6-M8 × 30L
40	45	40 × 45	10	16.5	40	15	A3-20Z A3-25N A3-30N	4-M8 × 30L
42	48	42 × 48			42			6-M8 × 30L
45	52	45 × 52			45			6-M8 × 30L
48	55	48 × 55	13	21.5	48		A3-25Z A3-30N A3-35N	4-M8 × 30L
50	57	50 × 57			50			6-M8 × 30L
55	62	55 × 62			55			6-M8 × 30L
							A3-30Z A3-35N	4-M8 × 30L 6-M8 × 25L

Design standards for tapered-shaft bores



COUPLING SIZE	ø H	ø I	J	K	L	M	TAPER
A3-05-11T	11	21	16	9.4	4H7	1.2	$\frac{1}{10}$
A3-10-11T	11						
A3-05-16T	16	25	29.5	10.5	5F7	1.5	
A3-10-16T	16			4.6			
A3-15-16T	15.46			4			
A3-20-16T	16			11.6			
A3-25-16T	16						

Floating shaft type coupling

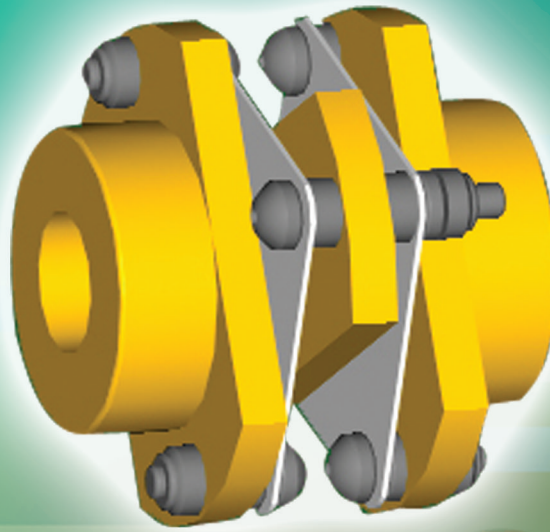


* "D"는 축간 거리를 말하며 주문시 정확히 알려 주셔야 하며 치수 기호는 표준형 규격과 동일합니다.

* "D" is the distance between shaft ends. Please give us the further information on "D" when you order.

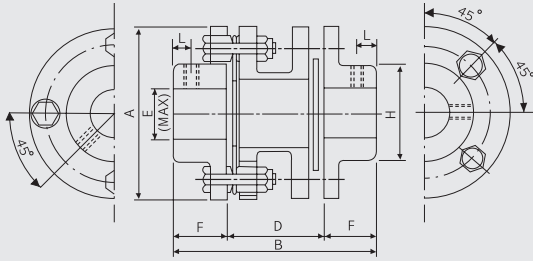
MICRO

COUPLING

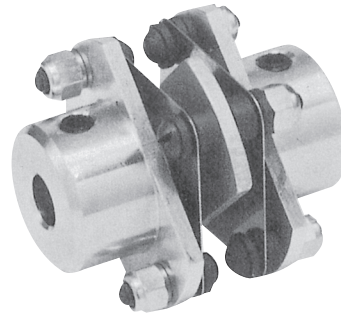
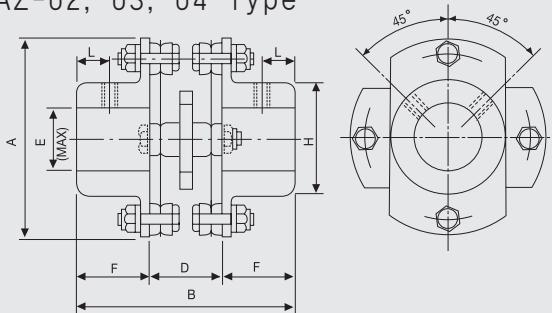


Shape

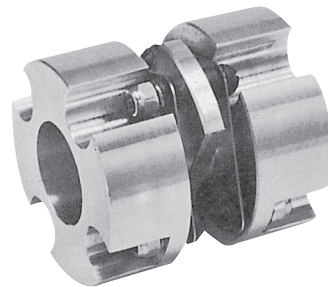
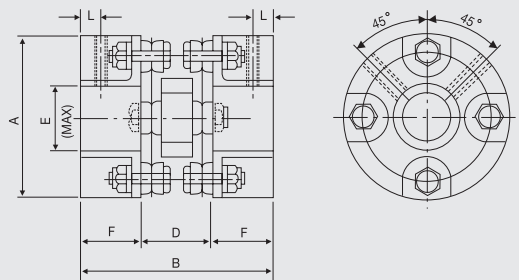
J-AB-04-NN Type



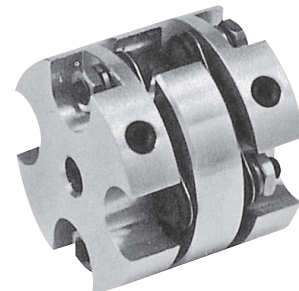
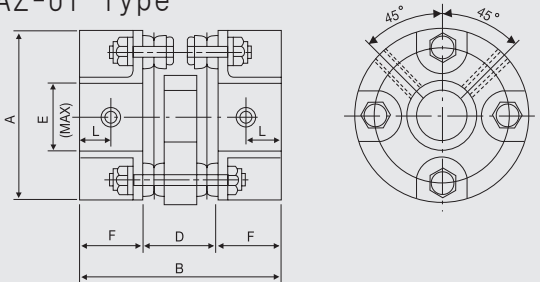
J-AZ-02, 03, 04 Type



J-AZ-02-U Type



J-AZ-01 Type

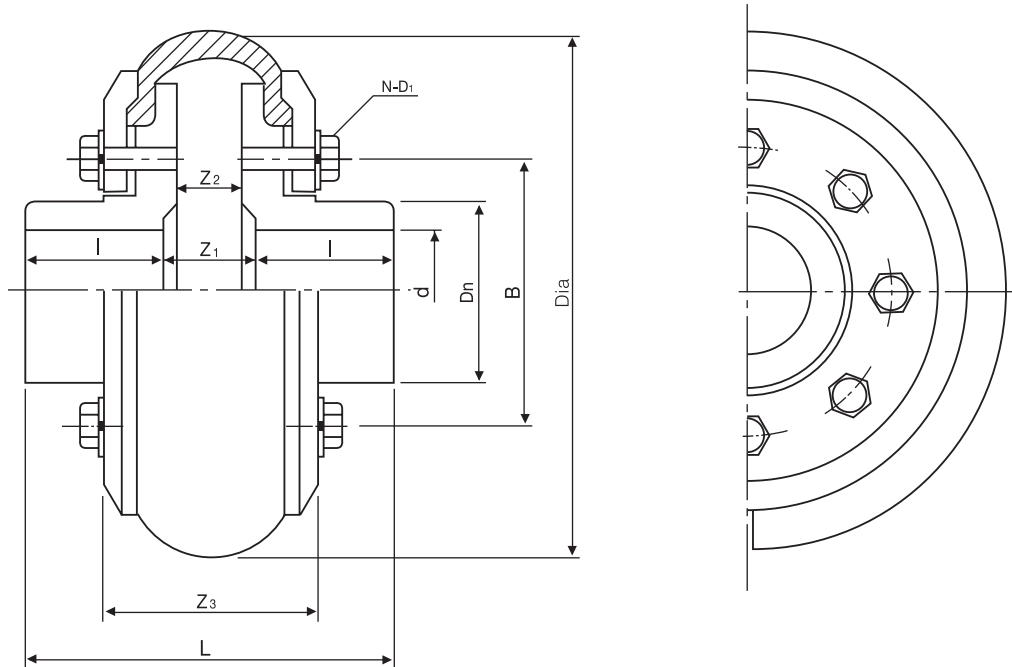


Size	Rated Torque (kgf.cm)	A	H	F	E _{max}	D	B	L
AZ-01	100	26	—	8	10	11.4	27.4	4
AZ-02	100	32	18	12	10	11.4	35.4	5
AZ-03	600	42	26	12.5	16	13.8	38.8	4
AZ-04	3000	57	31	20	20	20.5	60.5	7
AB-04	3920	57	31	20	20	34.5	74.5	7

RUBBER FLEXIBLE COUPLING



표준품 규격 / Dimensions



Size Dia(mm)	Torque Rating (kg · m)	Max. Speed (r.p.m)	Dimensions(mm)										Weight (kg)
			Bore		Dn	L	I	Z ₁	Z ₂	Z ₃	B	N- d ₁	
			Min.	Max.									
100	3	4,000	10	22	36	66	26	14	10	40	54	2×6-M6	1.21
135	8	4,000	16	30	48	90	35	20	14	53	70	2×6-M8	2.87
180	15	3,000	23	35	64	120	46	28	20	70	95	2×6-M10	6.38
210	30	3,000	28	50	76	143	54	35	27	83	110	2×8-M10	9.40
265	75	2,000	33	60	95	178	67	44	32	105	140	2×8-M12	19
310	125	2,000	36	70	112	208	75	58	36	121	165	2×8-M12	31
400	275	1,600	40	85	145	270	100	70	44	153	210	2×8-M16	70
450	500	1,250	55	100	165	300	110	80	50	171	240	2×8-M20	101
550	1,000	1,000	90	130	200	365	130	105	53	196	280	2×8-M24	170
700	2,000	800	100	160	255	460	165	130	70	256	364	2×8-M30	358

용도 / Application

- 진동 및 충격이 많이 발생하는 곳
- 각도 오차가 많이 발생하는 곳
- 전기 절연이 필요로 하는 곳
- 윤활유 급지가 곤란한 곳
- 정비 및 점검이 곤란한 곳
- 중요 연관 설비를 보호해야 하는 곳
- The place where shock and vibration are serious.
- The place where angular misalignment is serious.
- The place where you need electric insulation.
- The place where you have difficulty in supplying lubricant.
- The place where you have difficulty in checking and repairing.
- When you want to protect the important related parts.

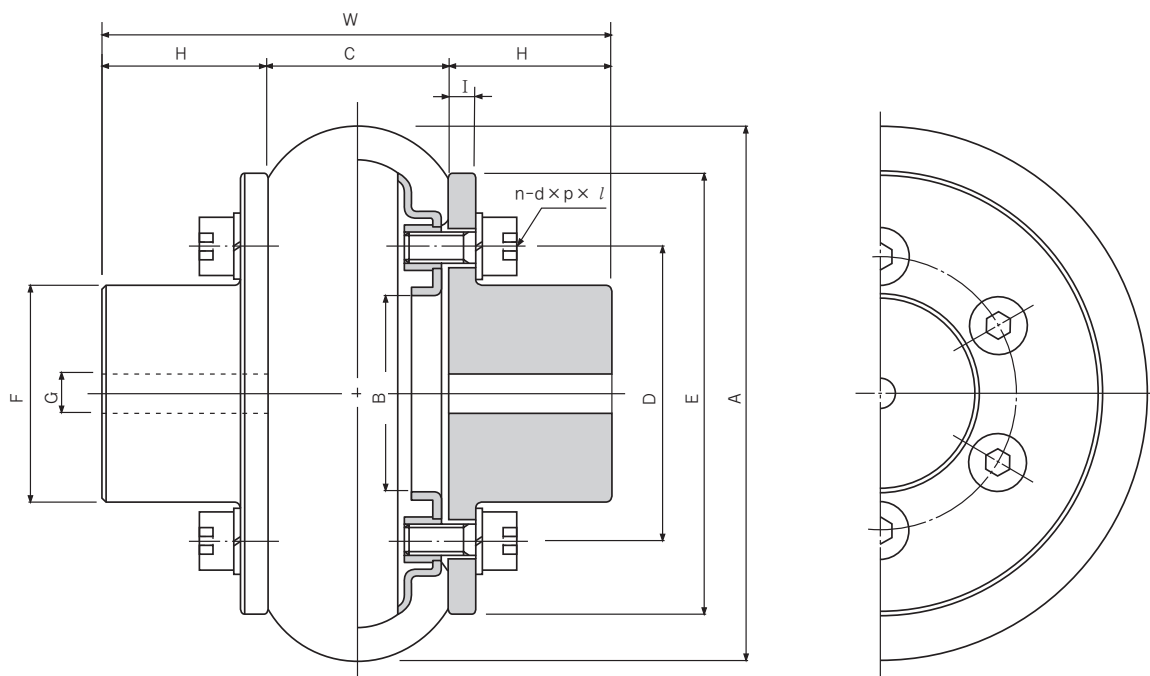
TIRE

COUPLING





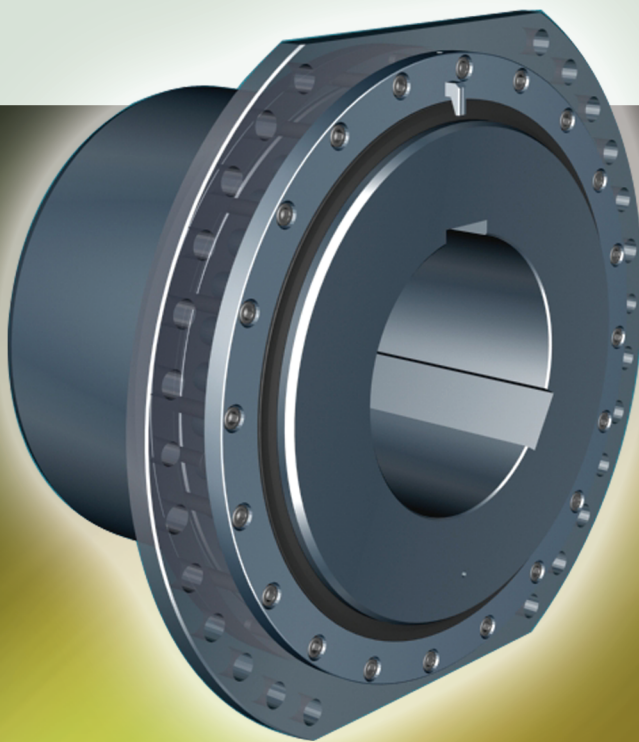
표준품 규격 / Dimensions



Size	Rating Torque (kg · m)	Max. r.p.m	Tire				Flange				G		W	Bolt 2 × n-d × p × l	GD ² (kg · cm ²)	Weight (kg)
			A	B	C	D	E	F	H	I	Min. Bore	Max. Bore				
CA-100	5	5000	100	35	37	50	82	36	28	6	8	22	93	2 × 6-M6 × 1.0 × 20	34.9	1.1
CA-120	10	4500	120	45	39	65	106	48	35	6	10	28	109	2 × 6-M8 × 1.25 × 20	78.4	2.0
CA-140	15	4200	140	52	45	75	118	55	44	7	24	35	133	2 × 6-M10 × 1.5 × 25	164.6	3.0
CA-160	22	4000	160	62	51	85	132	65	53	8	24	42	157	2 × 6-M10 × 1.5 × 25	301.8	4.5
CA-185	30	3600	185	74	58	100	154	77	60	10	34	48	178	2 × 6-M12 × 1.75 × 25	568.4	6.6
CA-220	50	3200	220	84	67	112	180	89	69	12	34	55	205	2 × 6-M12 × 1.75 × 30	1293.6	11.8
CA-265	100	2600	265	112	82	140	214	117	94	14	40	75	270	2 × 6-M12 × 1.75 × 35	3802.4	21.7
CA-340	165	2100	340	142	106	180	272	150	120	18	44	95	346	2 × 6-M16 × 2.0 × 45	12544	46.5
CA-445	500	1600	455	190	139	236	344	202	160	25	54	128	459	2 × 6-M18 × 2.5 × 55	44688	110
CA-550	1000	1200	550	230	173	290	430	246	170	26	64	170	513	2 × 8-M24 × 3.0 × 70	125440	187
CA-700	2000	1000	700	310	220	370	544	326	220	26	84	220	660	2 × 12-M24 × 3.0 × 70	356720	394

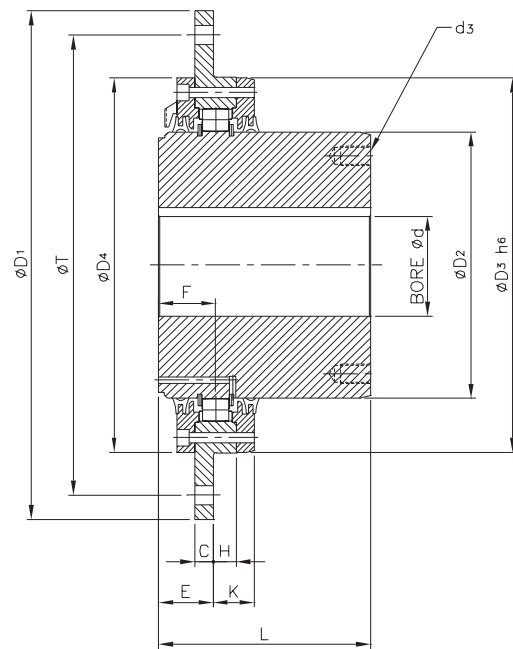
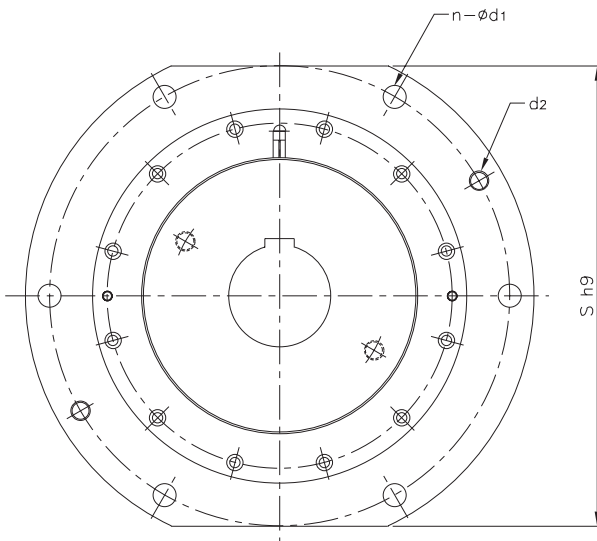
WIRE DRUM

COUPLING





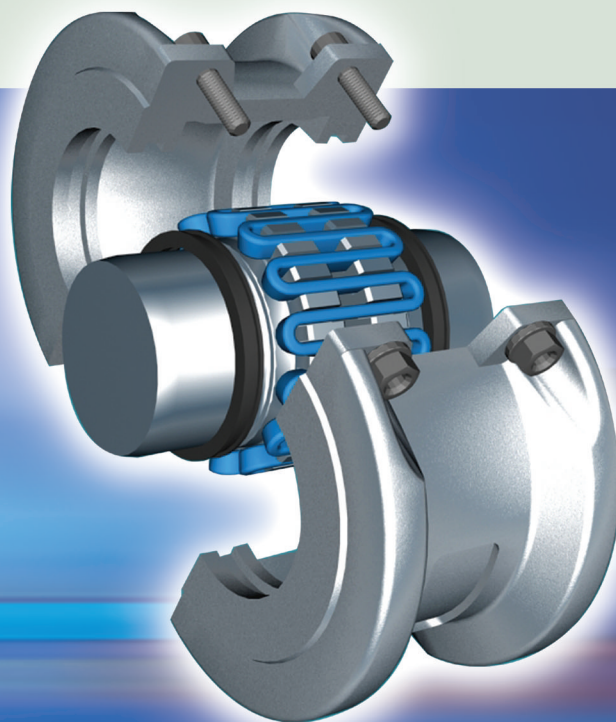
표준품 규격 / Dimensions



Size	Basic torque (kg.m)	Radial load (kgf)	Bore d (mm)		Dimensions																		Wt (kg)	GD ² (kg.m ²)
					D ₁	L	D ₂	D ₃	D ₄	S	E	F	C	H	K	d ₃	T	n	d ₁	d ₂	Axial clea- rance			
			min	max																				
D0.25	460	1,450	40	65	250	95	95	160	159	220	42	44	12	16	31	-	220	6	15	M12	3	13	0.06	
D0.5	610	1,650	50	75	280	100	110	180	179	250	42	44	12	16	31	-	250	6	15	M12	3	19	0.13	
D0.75	860	1,850	60	85	320	110	125	200	199	280	45	46	15	17	32	-	280	6	19	M16	4	23	0.17	
D1	910	2,000	60	95	340	125	140	220	219	300	45	46	15	17	32	-	300	6	19	M16	4	27	0.28	
D1.3	1,580	3,100	80	105	360	130	160	240	239	320	45	47	15	19	34	-	320	6	19	M16	4	33	0.36	
D1.6	1,980	3,500	80	120	380	145	180	260	256	340	45	47	15	19	34	-	340	6	19	M16	4	42	0.48	
D2	2,440	3,850	100	135	400	170	200	280	279	360	45	47	15	19	34	M16	360	6	19	M16	4	54	0.66	
D3	2,850	4,200	100	145	420	175	220	310	309	380	45	47	15	19	34	M16	380	6	19	M16	4	70	0.93	
D4	3,870	4,900	100	175	450	185	260	340	339	400	60	61	20	22	40	M20	400	6	24	M20	4	95	1.45	
D6	7,140	11,500	120	205	550	240	310	420	419	500	60	61	20	22	42	M20	500	6	24	M20	6	162	3.93	
D10	12,240	12,500	140	230	580	260	350	450	449	530	60	61	20	22	42	M24	530	8	24	M20	6	195	5.63	
D15	18,360	15,000	160	280	650	315	415	530	529	580	65	66	25	27	47	M24	600	8	24	M20	6	305	11.0	
D26	31,630	25,000	170	300	680	350	445	560	559	600	65	70	25	34	54	M30	630	24	24	M20	8	360	16.0	
D34	40,870	30,000	200	345	710	380	475	600	599	640	81	85	35	34	56	M30	660	24	28	M24	8	408	20.0	
D42	51,080	34,000	230	355	780	410	535	670	669	700	81	85	35	34	56	M30	730	24	28	M24	8	580	34.5	
D62	69,890	38,000	260	400	850	450	600	730	729	760	81	85	35	34	59	M30	800	24	28	M24	8	715	52.0	

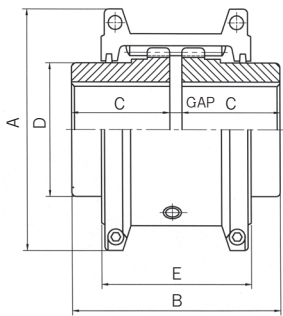
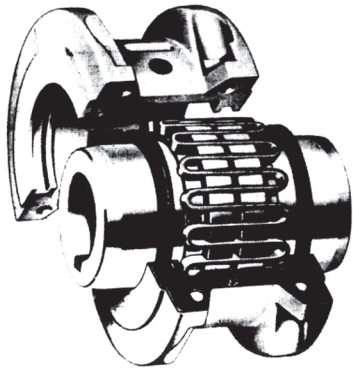
GRID

COUPLING

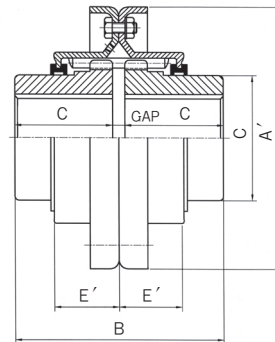
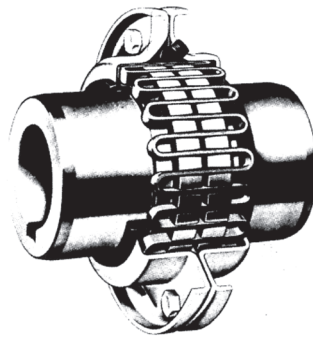




SH(Horizontal Split aluminum) TYPE



SV(Vertical Split Steel Cover) TYPE



SH(Horizontal Split aluminum cover) TYPE

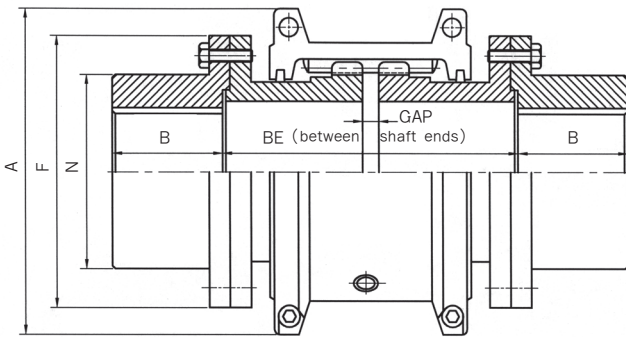
SV(Vertical Split Steel cover) TYPE

Size	HP Per 100 (rpm)	Max Speed (rpm)	Basic torque (kg · cm)	Bore(mm)		Dimensions(mm)							Gap(mm)			Cplg wt(kg)	Lube wt(kg)
				Max	Min	A	A'	B	C	D	E	E'	Min.	Normal	Max.		
20S	0.68	4,500	486	30	12.7	101.6	111.1	98.0	47.5	39.7	66.5	24.2	1.5	3	4.5	1.9	0.03
30S	1.93	4,500	1,383	36	12.7	111.0	120.7	98.0	47.5	49.2	68.3	25.0	1.5	3	4.5	2.6	0.03
40S	3.22	4,500	2,304	44	12.7	117.5	128.5	104.6	50.8	57.1	70.0	25.7	1.5	3	4.5	3.4	0.05
50S	5.63	4,500	4,033	50	12.7	138.0	147.6	123.6	60.3	66.7	79.5	31.2	1.5	3	4.5	5.4	0.05
60S	8.85	4,350	6,337	57	19.1	150.5	162.0	130.0	63.5	76.2	92.0	32.2	1.5	3	4.5	7.3	0.09
70S	13	4,125	9,217	68	19.1	161.9	173.0	155.4	76.2	87.3	95.0	33.7	1.5	3	4.5	10	0.11
80S	27	3,600	19,010	82	27.0	194.0	200.0	180.8	88.9	104.8	116.0	44.2	1.5	3	6	18	0.17
90S	48	3,600	34,564	95	27.0	213.0	232.8	199.8	98.4	123.8	122.0	47.7	1.5	3	6	25	0.25
100S	81	2,440	58,183	107	41.3	250.0	266.7	245.7	120.6	142.0	155.5	60.0	1.5	4.5	9.5	42	0.43
110S	121	2,250	86,411	117	41.3	270.0	285.8	258.5	127.0	160.3	161.5	64.2	1.5	4.5	9.5	54	0.51
120S	177	2,025	126,736	136	60.3	308.0	319.0	304.4	149.2	179.4	191.5	73.4	1.5	6	12.5	81	0.73
130S	257	1,800	184,343	165	66.7	346.0	377.8	329.8	161.9	217.5	195.0	75.1	1.5	6	12.5	121	0.91
140S	370	1,650	265,993	184	66.7	384.0	416.0	371.6	182.8	254.0	201.0	78.2	1.5	6	12.5	178	1.13
150S	515	1,500	368,686	203	10.0	453.1	476.3	371.8	182.9	269.2	271.3	106.9	1.5	6	12.5	234	1.95
160S	724	1,350	518,465	228	120.7	501.4	533.4	403.3	198.1	304.8	278.9	114.3	1.5	6	12.5	317	2.81
170S	965	1,225	691,286	279	133.4	566.4	584.2	437.8	215.9	355.6	304.3	119.4	1.5	6	12.5	448	3.49
180S	1,338	1,100	958,584	311	152.4	629.9	630.0	483.6	238.8	393.7	321.1	130.0	1.5	6	12.5	619	3.76
190S	1,770	1,050	1,267,358	339	152.4	675.5	685.0	524.2	259.1	436.9	325.1	135.0	1.5	6	12.5	776	4.40
200S	2,413	900	1,728,216	361	177.8	756.9	737.0	564.8	279.4	497.8	355.6	145.0	1.5	6	12.5	1,057	5.62

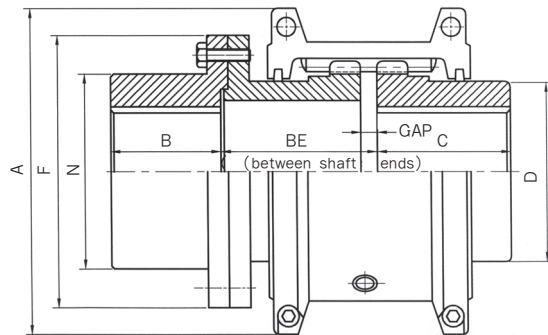
※ Coupling 중량은 내경가공이 없는 상태의 것임

※ Coupling Weight, Without Bore machining.

SPACE TYPE



SAS(Full Space) TYPE



SFS(Half Space) TYPE

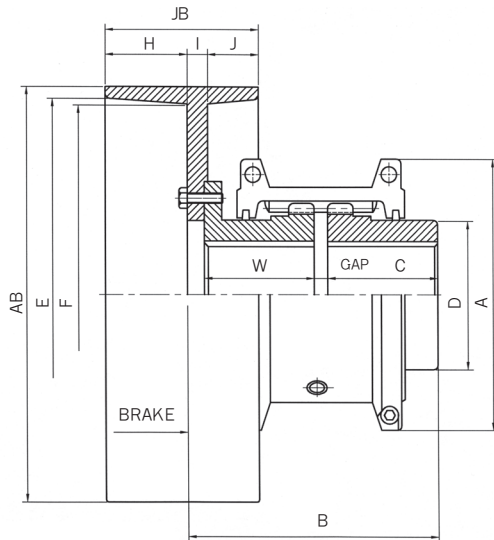
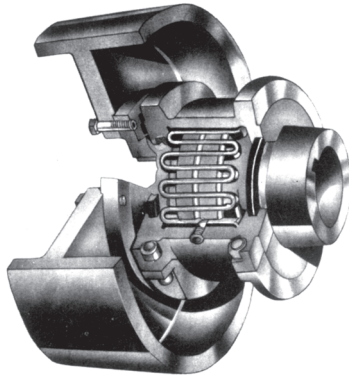
Size	HP Per 100 (rpm)	Max Speed (rpm)	Basic torque (kg · cm)	Bore Dia (mm)		Dimensions(mm)									Flange Bolt No.	Lube WT (kg)
						A	B	BE(SAS)		BE(SFS)		N	F	Gap		
				Min.	Max.			Min.	Max.							
20S	0.68	3,600	486	36	12.7	101.6	35	89	203	45	102	52	86	5	4	0.03
30S	1.93	3,600	1,383	44	12.7	111.0	41	89	216	45	109	59	94	5	8	0.03
40S	3.22	3,600	2,304	57	12.7	117.5	54	89	216	45	109	78	113	5	8	0.05
50S	5.63	3,600	4,033	64	12.7	138.0	60	112	216	57	109	77	126	5	8	0.05
60S	8.85	3,600	6,337	79	19.1	150.5	73	127	330	64	166	103	145	5	8	0.09
70S	13	3,600	9,217	83	19.1	161.9	79	127	330	64	166	109	153	5	12	0.11
80S	27	3,600	19,010	95	27.0	194.0	89	184	406	93	204	122	178	5	12	0.17
90S	48	3,600	34,564	108	27.0	213.0	102	184	406	93	204	142	210	5	12	0.25
100S	81	2,440	58,183	127	38.1	250.0	90	203	406	103	205	171	251	6.5	12	0.43
110S	121	2,250	86,411	149	50.8	270.0	104	210	406	106	205	196	277	6.5	12	0.51
120S	177	2,025	126,736	165	63.5	308.0	119	246	406	125	205	225	319	9.5	12	0.73
130S	257	1,800	184,343	178	76.2	346.0	135	257	406	130	205	238	346	9.5	12	0.91
140S	370	1,650	264,993	203	88.9	384.0	152	267	406	135	205	266	386	9.5	12	1.13
150S	515	1,500	368,686	254	101.6	453.1	173	345	371	175	187	334	425	9.5	14	1.95
160S	724	1,350	518,465	279	114.3	501.4	186	356	406	180	205	366	457	9.5	14	2.81
170S	965	1,225	691,286	330	127.0	566.4	220	384	445	194	224	425	527	9.5	16	3.49
180S	1,338	1,100	958,584	330	101.6	629.9	249	400	490	202	247	451	591	9.5	16	3.76
190S	1,770	1,050	1,267,358	362	114.3	675.6	276	411	530	207	267	508	660	9.5	18	4.40
200S	2,413	900	1,728,216	381	127.0	756.9	305	445	575	224	289	530	711	9.5	18	5.62

※ Coupling 중량은 내경가공이 없는 상태의 것임

※ Coupling Weight, Without Bore machining.



SBW(Brake Wheel) TYPE



Cplg Size	Standard Brake Wheel					
	Moter Power (40% ED KW)			Brake Torque (kg, m)		
2020S						
2030S						
2040S	2.2			5		
2050S	5.5			10		
2060S	5.5	7.5	11	10	14	21.2
2070S	15			30		
2080S	30			53		
2090S	37	45		63	80	
2100S	45			132		
2110S	75	90		180		
2120S	110	132		335		
2130S	160	200		400	475	
2140S	160	200		400	475	

※Moter는 권선형 Crane용 기준.

※Baser on crane motor.

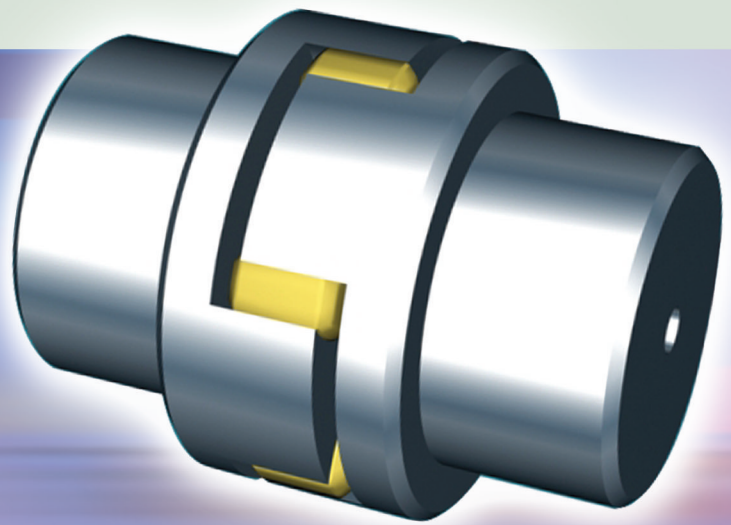
Brake wheel Size(mm)		Size	Max,Brake Rating of CPLG(kg,cm)	Bore Dia. (mm)		Dimension (mm)									Lube wt (kg)
AB	JB			Max.	Min.	A	C	D	E	F	H	I	J	Gap	
		20S	110	30	12.7	102	48	39.6						3	0.03
		30S	359	36	12.7	111	48	49						3	0.03
160	80	40S	663	44	12.7	117	51	57	145	140	40	12	28	3	0.05
200	100	50S	1,202	50	12.7	138	60	66	184	178	50	17	33	3	0.05
200	100	60S	2,129	57	19.1	151	63	76	184	178	50	17	33	3	0.09
250	125	70S	3,373	68	19.1	162	76	87	230	224	62.5	22	40.5	3	0.11
315	160	80S	6,497	82	27.0	194	89	105	292	285	80	23	57	3	0.17
355	180	90S	11,060	95	27.0	213	98	124	330	320	90	26	64	3	0.25
400	200	100S	19,355	107	41.3	251	121	142	374	362	100	28	72	5	0.43
450	224	110S	29,032	117	41.3	270	127	160	422	410	112	32	80	5	0.51
500	250	120S	44,240	136	60.3	308	149	179	462	445	125	35	90	6	0.73
560	280	130S	66,212	165	66.7	346	162	218	516	495	140	45	95	6	0.91
560	280	140S	89,862	184	66.7	384	184	253	516	495	140	45	95	6	1.13

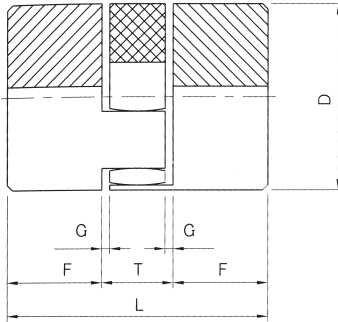
※SBW Type에 제작에는 각사에서 사용하고저 하는 Brake의 Size 를 결정한 후 상기 Dimension에 의거 'B' 와 'W' 를 정한다.

※If you need SBW type

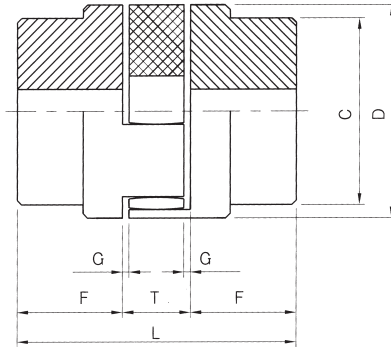
First, determine the size of brake of your coupling and then the 'B' and 'W' according to above dimension.

JAW FLEXIBLE COUPLING

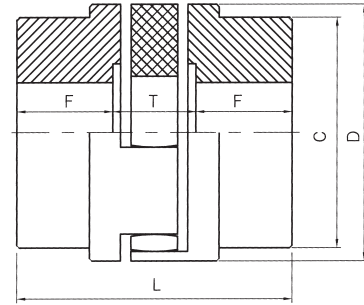




Only CR050, CR070



Only CR0010 ~ CR2035



Only CR3545 ~ CR90100

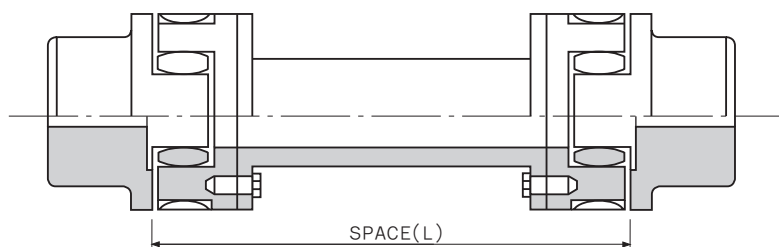
표준품 규격 및 전동능력 / Dimensions & technical Data

Size	Bore Dia(mm)		Basic Torque (kg · m)	Torsion angle	Dimensions(mm)						
	min	max			C	D	F	T	L	G	WEIGHT (kg)
CR 050	5	11	0.4	3.2°	-	25	12	11	35	1	0.08
CR 070	7	14	1		-	35	18.5	13	50	1.5	0.3
CR 0010	11	19	2.5		42	48	24	17	65	1.5	0.5
CR 0020	14	24	3.4		50	58	27	18	72	1.5	0.9
CR 2035-A	19	28	12		58	68	35	20	90	1.5	1.3
CR 2035	19	38	32		68	78	35	22	92	1.5	2.5
CR 3545	28	45	65		88	98	38.5	29	106	4	4.4
CR 4560	38	60	90		98	118	45	30	120	3	7.8
CR 6070	42	75	125		115	135	46	33	125	3.5	10
CR 7080	65	100	293		130	160	66	45	177	5	19.5
CR 8090	65	110	520		150	200	105	45	255	5	36
CR 90100	65	110	790		180	230	110	50	270	6	39

특수형 / Space Type

1. 축간 거리가 넓어 Coupling Hub로 연결이 불가능한 경우.

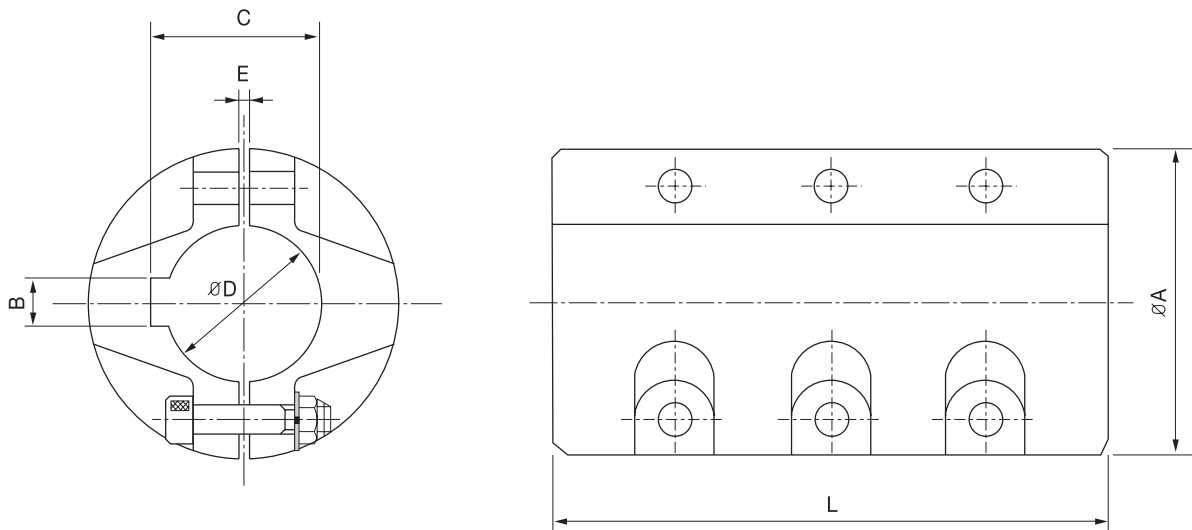
1. When it is impossible to connect with only hubs because of long distance between shaft ends.



FLEXIBLE COUPLING



표준품 규격 및 전동능력 / Dimensions & technical Data



SIZE	Bore ø D(H8)	A	L	KEY WAY			E	BOLT	TORQUE (kg.m)	WEIGHT (kg)
				B(js9)	C	KEY(b × h)				
J-M25	ø 25H8	ø 50	88	7	28.0	7 × 7	1.6	4-M6 × 30L	22	1.0
J-M30	ø 30H8	ø 60	105	7	33.0	7 × 7	1.6	4-M6 × 30L	30	1.5
J-M35	ø 35H8	ø 70	120	10	38.5	10 × 8	1.6	4-M8 × 35L	40	2.5
J-M40	ø 40H8	ø 80	140	10	43.5	10 × 8	1.6	6-M10 × 40L	55	3.9
J-M45	ø 45H8	ø 90	160	12	48.5	12 × 8	1.6	6-M10 × 45L	70	5.6
J-M50	ø 50H8	ø 100	176	12	53.5	12 × 8	2.0	6-M10 × 45L	95	7.2
J-M55	ø 55H8	ø 110	180	15	60.0	15 × 10	2.0	6-M10 × 45L	120	9.6
J-M60	ø 60H8	ø 120	184	15	65.0	15 × 10	2.0	6-M12 × 50L	150	11.6
J-M65	ø 65H8	ø 130	200	18	69.4	18 × 11	2.5	6-M12 × 50L	205	12.2
J-M70	ø 70H8	ø 140	214	18	74.4	18 × 11	2.5	6-M14 × 55L	245	15.7
J-M75	ø 75H8	ø 150	240	20	79.9	20 × 12	2.5	6-M14 × 55L	300	20.6
J-M80	ø 80H8	ø 160	264	20	84.9	20 × 12	2.5	6-M16 × 55L	360	21.5
J-M85	ø 85H8	ø 180	278	24	93.0	24 × 16	2.5	6-M16 × 55L	435	27.4
J-M90	ø 90H8	ø 190	292	24	98.0	24 × 16	3.0	6-M18 × 75L	530	30.0
J-M95	ø 95H8	ø 190	300	24	103.0	24 × 16	3.0	6-M18 × 75L	615	37.5
J-M100	ø 100H8	ø 200	320	28	106.4	28 × 16	3.0	6-M18 × 75L	690	42.0
J-M110	ø 110H8	ø 210	360	28	116.4	28 × 16	3.0	6-M18 × 75L	900	56.0
J-M120	ø 120H8	ø 280	410	32	127.4	32 × 18	3.0	8-M20 × 75L	1,100	85.0

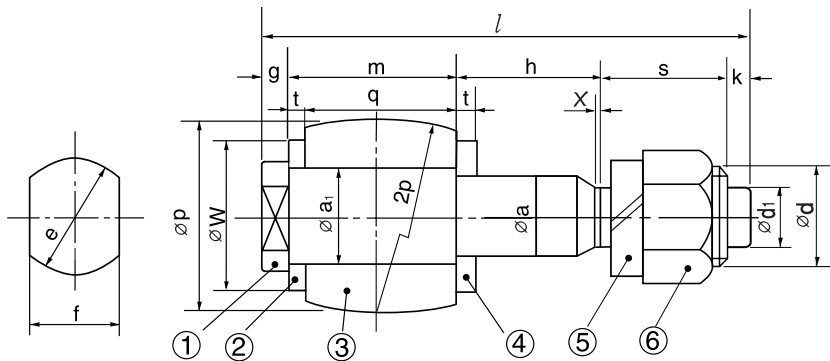
FLANGE & BRAKE DRUM COUPLING



특징 / Distinctive Features

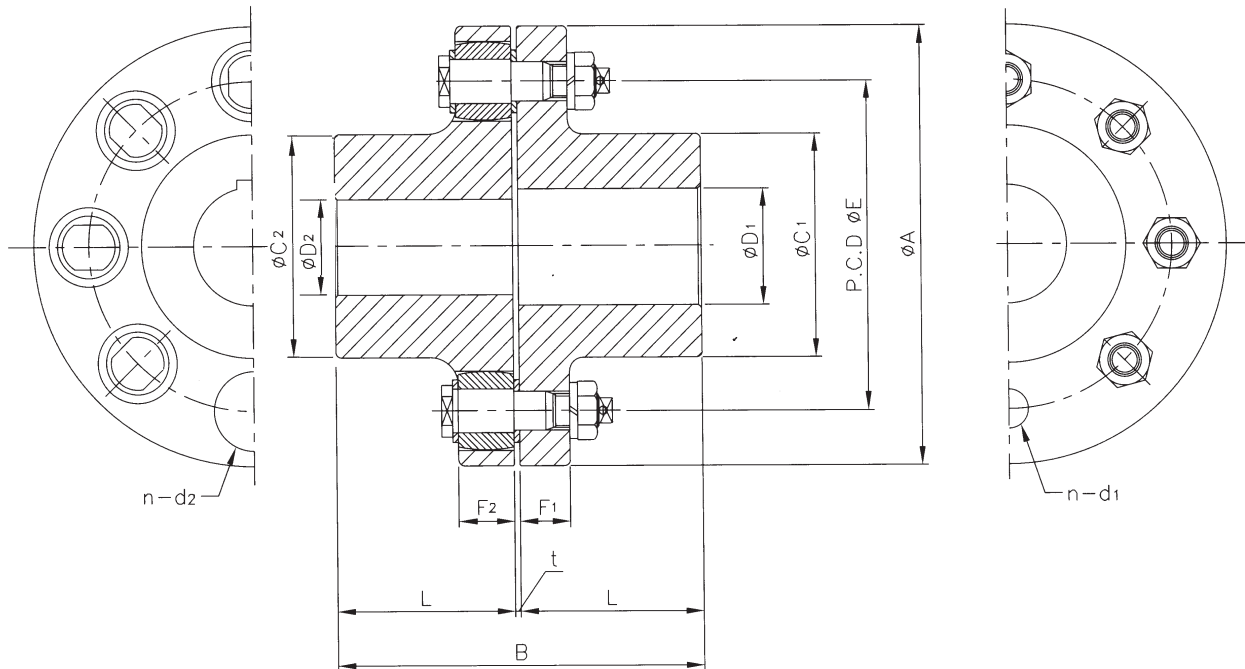
- | | |
|---|---|
| <ul style="list-style-type: none"> 1) 동력을 원활하게 전달한다. 2) 진동과 충격의 흡수능력이 우수하다. 3) Coupling에서 Shaft를 누르는 힘이 발생하지 않는다. 4) 장착 및 분해 등 정비가 간단하고 쉽다. 5) 구조가 간단하고 유연성이 탁월하다. | <ul style="list-style-type: none"> 1) It transmits power smoothly. 2) It has available absorption of shock load and vibration. 3) The power pressing shaft does not occur from coupling. 4) Easy and simple installation and maintenance. 5) Simple construction and complete flexibility. |
|---|---|

Bolt 치수표/Bolt Dimensions



NO	Size $\phi a \times l$	Thread d	① Bolt												② Washer			③ Bush			④ Washer		
			ϕa_1	ϕa	ϕd_1	e	f	g	h	s	k	m	l	x	a_1	t	ϕw	ϕa_1	p	q	ϕa	t	ϕw
1	8×50	M8	9	8	5.5	12	10	4	15	12	2	17	50	1.9	9	3	14	9	18	14	8	3	14
2	10×56	M10	12	10	7	16	13	4	17	14	2	19	56	2.3	12	3	18	12	22	16	10	3	18
3	14×64	M12	16	14	9	19	17	5	19	16	3	21	64	2.6	16	3	25	16	31	18	14	3	25
4	20×85	M20	22.4	20	15	28	24	5	24.6	25	4	26.4	85	3.8	22.4	4	32	22.4	40	22.4	20	4	32
5	25×100	M24	28	25	18	34	30	6	30	27	5	32	100	4.5	28	4	40	28	50	28	25	4	40
6	28×116	M24	31.5	28	18	38	32	6	30	31	5	44	116	4.5	31.5	4	45	31.5	56	40	28	4	45
7	35.5×150	M30	40	35.5	23	48	41	8	38.5	38.5	6	61	150	5.3	40	5	56	40	71	56	35.5	5	56
10	35.5×174	M30	40	35.5	23	48	41	8	61	38	6	61	174	5.3	40	5	56	40	71	56	35.5	5	56
12	45×240	M42	50	45	33	60	50	10	81	48	8	87	240	6.8	50	7	71	50	85	80	45	7	71
14	56×295	M52	63	56	40	75	63	12	108	59	8	108	295	7.5	63	8	90	63	106	100	56	8	90

표준품 규격 / Dimensions



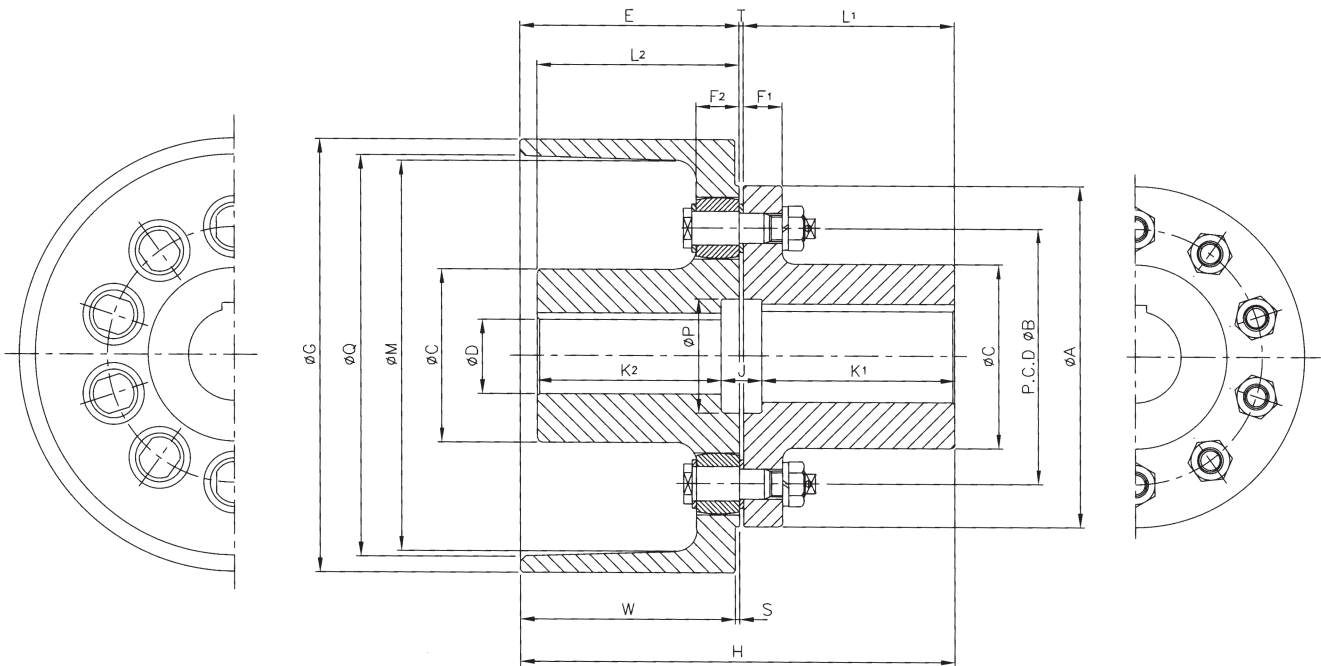
Size	HP Per 100 (rpm)	Max Speed (rpm)	Basic torque (kg · cm)	Bore(mm)		Dimensions(mm)										Bolt Hole			Cplg wt(kg)
				max.	min.														
				D1		D2	A	B	C1	C2	E	F1	F2	L	t	n	d1	d2	
90A	0.07	4,000	50	20	—	90	59	35.5		60	14	14	28	3	4	8	19	1.4	
100A	0.14	4,000	100	25	—	100	74	42.5		67	16	16	35.5		4	10	23	2.1	
112A	0.23	4,000	161	28	16	112	83	56	50	75	16	16	40		4	10	23	2.7	
125A	0.35	4,000	250	32	28	18	125	93	71	50	85	18	18		45	4	14	32	3.5
140A	0.67	4,000	501	38	35	20	140	103	63		100	18	18		50	6	14	32	4.9
160A	1.56	4,000	1,120	45		25	160	115	80		115	18	18		56	8	14	32	6.8
180A	2.24	3,500	1,607	50	28	180	129	90		132	18	18	63		8	14	32	9.6	
200A	3.50	3,200	2,503	56	32	200	146	100		145	22.4	22.4	71	4	8	20	41	13.2	
224A	5.59	2,550	4,003	63	35	224	164	112		170	22.4	22.4	80		8	20	41	18.4	
250A	8.80	2,300	6,302	71	40	250	184	125		180	28	28	90		8	25	51	26.0	
280A	14	2,050	10,032	80	50	280	204	140		200	28	40	100		8	28	57	36.5	
315A	22	1,800	16,071	90	63	315	228	160		236	28	40	112		10	28	57	49.1	
355A	35	1,600	25,032	100	71	355	255	180		260	35.5	56	125	5	8	35.5	72	74.9	
400A	56	1,400	40,031	110	80	400	255	200		300	35.5	56	125		10	35.5	72	94.3	
450A	88	1,350	63,018	125	90	450	285	224		355	35.5	56	140		12	35.5	72	127.8	
560A	140	1,150	100,030	140	100	560	325	250		450	35.5	56	160		14	35.5	72	206.3	
630A	223	1,000	160,028	160	110	630	365	280		530	35.5	56	180		18	35.5	72	277.0	

※ Coupling 중량은 내경가공이 없는 상태의 중량임

※ Coupling Weight, Without Bore machining.



브레이크 드럼 커플링 (BWC)



Size	Dimensions(mm)																	Weight (kg)	GD ² (kgf·m ²)	
	Bore ∅ D		∅ G	W	S	E	L ₁	L ₂	H	T	∅ C	K ₁	K ₂	J	∅ P	∅ M	∅ Q			∅ A
	Min.	Max.																		
BWC 160	20	37	160	80	4	84	95	76	182	3	63	82	63	29	43	140	145	140	9	0.20
BWC 200	28	53	200	100	4	104	128	96	235	3	90	112	80	35	60	178	184	180	19	0.30
BWC 250S	35	66	250	125	4	129	128	106	261	4	112	112	90	36	75	224	230	224	34	0.80
BWC 250L	35	66	250	125	4	129	158	106	291	4	112	142	90	36	75	224	230	224	36	0.81
BWC 315	40	75	315	160	4	164	158	128	326	4	125	142	112	36	85	285	292	250	57	2.40
BWC 355	50	84	355	180	4	184	160	130	348	4	140	142	112	40	95	320	330	280	80	4.30
BWC 400	63	95	400	200	4	204	190	158	398	4	160	172	140	40	105	362	374	315	110	6.80
BWC 450	71	105	450	224	4	228	195	163	428	5	180	172	140	51	125	410	422	355	160	13.6
BWC 500	80	115	500	250	4	254	235	183	494	5	200	212	160	51	135	445	462	400	250	26.0
BWC 560	90	130	560	280	4	284	240	188	529	5	224	212	160	61	150	495	516	450	310	42.0
BWC 762	110	165	762	362	4	366	240	208	611	5	280	212	180	61	190	690	710	630	580	160

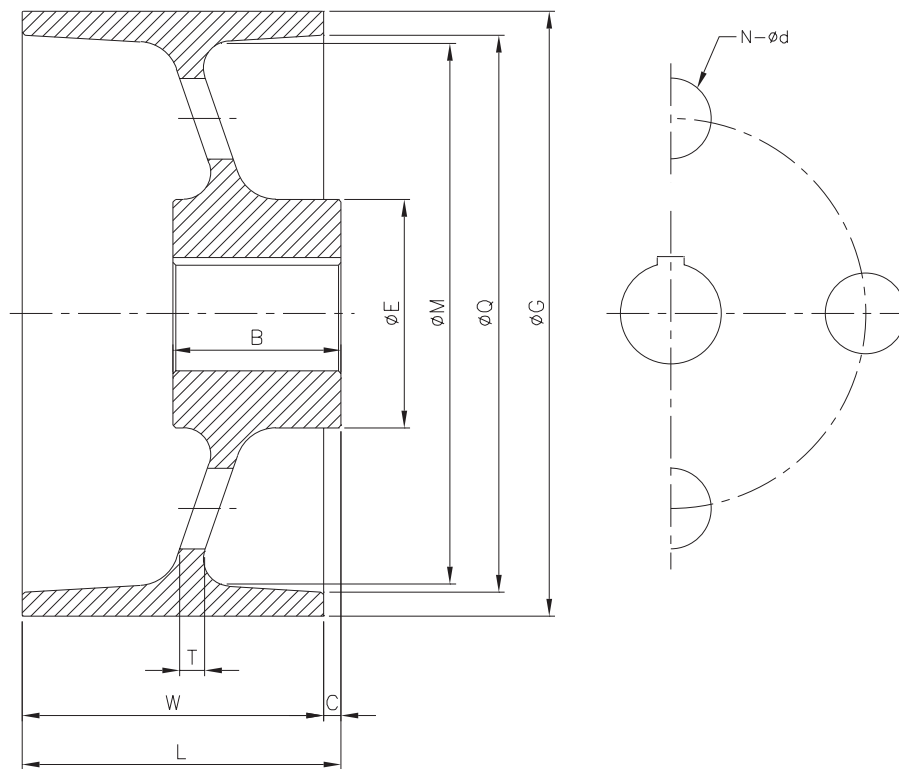
※ 치수 F_1 , F_2 , ϕB 및 볼트 세트는 플랜지 플렉시블 커플링 치수표 Page63의 치수와 같습니다.

※ 재질 : GCD450 (플랜지 및 드럼)

※ 플랜지의 외경치수 " ϕA "가 같을때 허용토크는 플랜지플렉시블 커플링 치수표 Page 63의 토크와 동일합니다.

※ 진동을 고려하여 전부위에 정밀가공을 실시하였으므로 별도의 바란싱은 필요하지 않습니다.

브레이크 드럼 (BW)



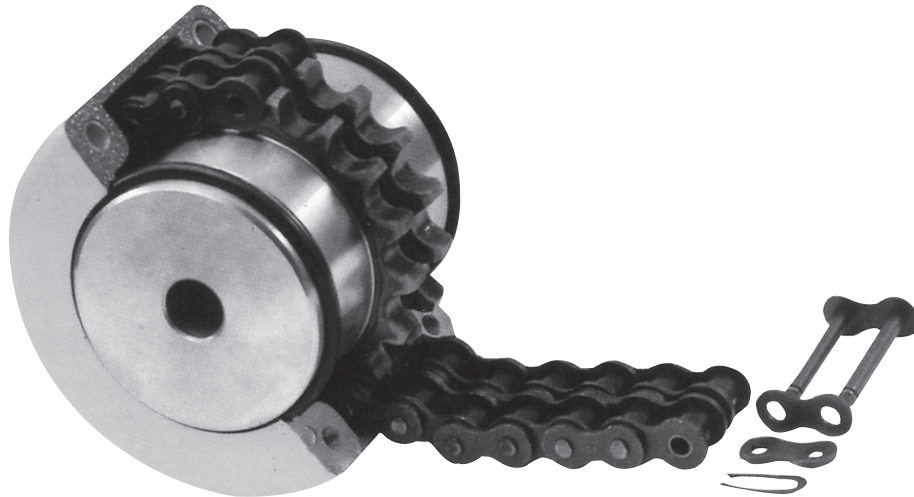
Size	Dimensions(mm)												Weight (kg)	GD ² (kgf·m ²)
	Bore ø D		ø G	W	C	L	B	ø E	ø M	ø Q	T	N- ø d		
	Min.	Max.												
BW 160	20	37	160	80	32	112	82	63	140	145	16	4-19	6	0.07
BW 200	28	48	200	100	32	132	112	80	178	184	16	4-19	10	0.21
BW 250	35	60	250	125	32	157	112	100	224	230	16	4-30	18	0.57
BW 315	40	60	315	160	35	195	112	100	285	292	20	4-30	29	1.70
BW 355	50	67	355	180	40	220	142	112	320	330	20	4-40	40	3.10
BW 400	63	75	400	200	40	240	142	125	362	374	25	4-40	60	5.50
BW 450	71	96	450	224	55	279	172	160	410	422	25	4-40	85	9.40
BW 500	80	108	500	250	60	310	212	180	445	462	28	4-40	130	18.0
BW 560	90	120	560	280	65	345	212	200	495	516	28	4-40	180	33.0
BW 762	110	135	762	362	80	442	212	224	690	710	35	4-40	340	124.0

※ 재질 : GCD450

※ 진동을 고려하여 전부위에 정밀가공을 실시하였으므로 별도의 바란싱은 필요하지 않습니다.



CHAIN COUPLING



특징 / Distinctive Features

- 1) Chain Flexible Coupling은 동력전달을 위한 축 연결에 사용함에 있어서 우수한 효능을 갖고 있다.
- 2) Chain Flexible Coupling은 3개의 주요 부분으로 구성되어 있다. 그것은 치면(齒面)을 열처리한 2개의 Sprocket와 2줄로 연결된 Roller Chain이며 사용에 편리한 점은 다음과 같다.
 - ① 연결핀으로 간단한 분해조립
 - ② 약간의 편심과 편각 작용
 - ③ 수명이 길다.
 - ④ 설치나 보수가 간단하다.
- 3) Coupling의 수명연장과 Grease의 유출방지를 위하여 Cover와 O-Ring을 사용한다.
특히 다음과 같은 경우에는 반드시 부착 사용해야 한다.
 - ① 부식이 될 수 있거나 연마재등이 항상 분포되는 곳.
 - ② 표 2에서 점선표시부분 이상 고속회전으로 사용할 때.
- 1) Roller Chain Flexible Couplings give maximum efficiency in connecting directly two shafts for transmission of power.
- 2) As Roller Chain Flexible Couplings consist of three major parts...Two hardened teeth sprockets and one RS double strand roller chain, they offer the following merits.
 - ① Easy assembly and disassembly
 - ② Protection for misalignment
 - ③ Long service life
 - ④ Easy installation and maintenance.
- 3) Covers are recommended for use with all couplings because the lubrication so provided materially extends the coupling life. Under the following condition covers are especially recommended for use with couplings.
 - ① Abrasive or corrosive atmosphere.
 - ② High revolution to the right of the dotted line shown on KW rating table 2.

호칭 / Designation

J - CR 4012

- 규격(Size No.)
- 형식기호(Type : Roller chain coupling)
- 회사약칭(Joong Ang Company)



표준품 규격 / Dimensions

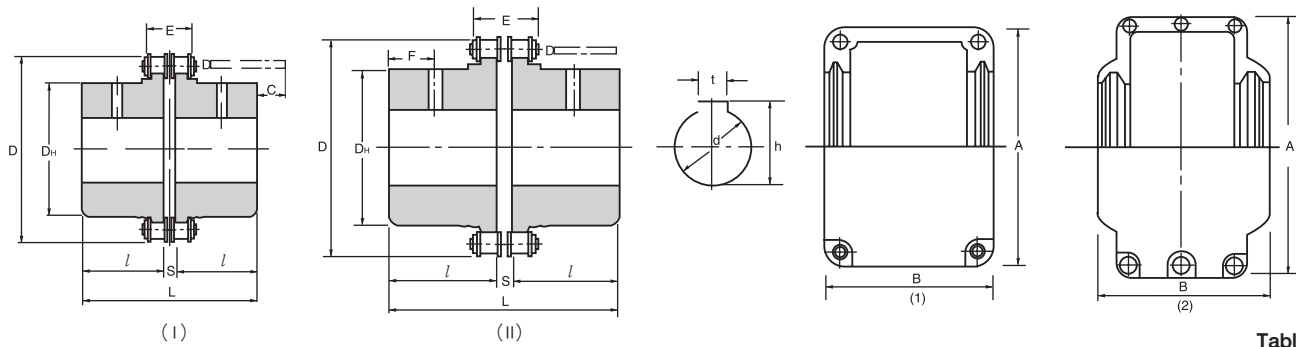


Table 1.

Coupling No.	Type	Bore		Chain		D	DH	L	l	S	C	Weight (kg)	Case			
		Min	Max	Pitch	Width(Max)E								Type	A	B	Wight(kg)
CR 4012	I	12	22	12.70	33.1	61	35	79.4	36	7.4	10	0.8	1	75	75	0.38
CR 4014	I	12	28	12.70	33.1	69	43	79.4	36	7.4	10	1.1	1	84	75	0.47
CR 4016	I	16	32	12.70	33.1	77	50	87.4	40	7.4	6	1.6	1	92	75	0.56
CR 5014	I	16	35	15.875	41.0	86	53	99.7	45	9.7	12	2.2	1	101	85	0.64
CR 5016	I	18	40	15.875	41.0	96	60	99.7	34	9.7	12	2.8	1	111	85	0.76
CR 5018	I	18	45	15.845	41.0	106	70	99.7	45	9.7	12	3.6	1	122	85	0.92
CR 6018	I	22	56	19.05	51.1	128	85	123.5	56	11.5	15	6.5	1	142	106	1.4
CR 6022	I	28	71	19.05	51.1	152	110	123.5	56	11.5	15	10.3	1	167	106	1.7
CR 8018	I	32	80	25.40	65.3	170	115	141.2	63	15.2	30	13.8	1	186	130	2.3
CR 8022	I	40	100	25.40	65.3	203	140	157.0	71	15.2	22	21.7	1	220	130	2.7
CR10020	I	45	110	31.75	80.3	233	160	178.8	80	18.8	30	32.6	1	250	148	4.0
CR12018	I	50	125	38.10	101.1	256	170	202.7	90	22.7	50	43.9	2	307	181	6.8
CR12022	I	56	140	58.10	101.1	304	210	222.7	100	22.7	40	69.0	2	357	181	8.4
CR16018	I	63	160	50.80	129.7	341	224	254.1	112	30.1	68	96.3	2	406	250	14.7
CR16022	I	80	200	60.80	129.7	405	280	310.1	140	30.1	40	16.8	2	472	250	17.2
CR20018	II	88	205	63.50	159.0	426	294	519.5	241	37.5	0	294.4	2	496	280	22.2
CR20022	II	98	260	63.50	159.0	507	274	519.5	241	37.5	0	461.6	2	578	280	26.6
CR24022	II	120	310	76.20	194.9	608	420	751.1	353	45.1						
CR24026	II	150	380	76.20	194.9	705	520		353							

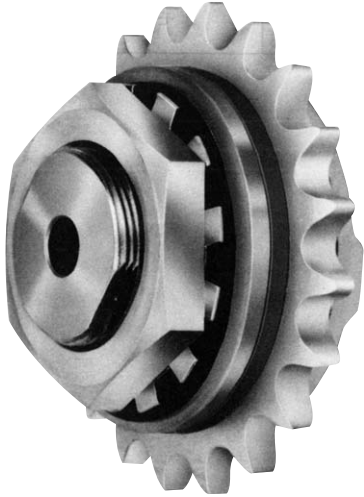
전동능력표 / Basic Ratings(KW)

Table 2.

Coupling	Max Bore Dia (mm)	Allowable Drive Torque at less than 50rpm(kg · m)	Revolution per minute																								
			1	5	10	25	50	100	200	300	400	500	600	800	1000	1200	1500	1800	2000	2500	3000	3600	4000	4800	5200	6000	
CR 3812	16	10.2	0.01	0.05	0.11	0.26	0.52	0.79	1.21	1.58	1.89	2.26	2.58	3.19	3.88	4.41	5.35	6.25	6.73	8.12	9.44	11.0	12.0	14.0	14.8	16.7	
CR 4012	22	22.2	0.02	0.11	0.22	0.58	1.15	1.73	2.63	3.46	4.15	4.96	5.67	7.01	8.53	9.68	11.6	13.7	14.8	17.9	20.7	24.1	26.3	30.8			
CR 4014	28	30.2	0.03	0.16	0.32	0.79	1.58	2.36	3.59	4.72	5.66	6.77	7.72	9.56	11.64	13.21	15.8	18.7	20.2	24.4	23.3	32.9	35.9	42.1			
CR 4016	32	39.4	0.04	0.21	0.41	1.03	2.06	3.09	4.69	6.17	7.41	8.85	10.1	12.5	15.3	17.3	21.0	24.4	26.3	31.9	37.0	43.0	46.9	54.9			
CR 5014	35	57.4	0.06	0.30	0.60	1.50	3.00	4.48	6.80	8.95	10.7	12.8	14.7	18.1	22.1	25.1	30.0	35.4	39.3	46.2	53.6	62.4					
CR 5016	40	75.0	0.08	0.39	0.78	1.95	3.91	5.86	8.92	11.7	14.1	16.8	19.2	23.8	28.9	32.9	39.9	46.4	50.0	60.6	70.4	81.6					
CR 5018	45	95.0	0.10	0.50	0.99	2.48	4.95	7.43	11.3	14.9	17.8	21.3	24.4	30.1	36.6	41.8	50.5	58.8	63.4	76.8	89.2						
CR 6018	56	179	0.18	0.93	1.87	4.67	9.33	14.0	21.3	28.0	33.6	40.1	45.9	56.8	69.1	78.4	96.2	111	120	145							
CR 6022	71	242	0.25	1.25	2.51	6.31	12.5	18.8	28.6	37.7	45.3	54.1	61.9	76.5	93.1	105	128	149	161	195							
CR 8018	80	396	0.41	2.07	4.14	10.3	20.7	31.0	47.2	62.1	74.5	89.0	101	11.26	153	174	211	246	265								
CR 8022	100	570	0.59	2.96	5.93	14.8	29.6	44.5	67.2	89.0	106	127	146	130	219	249	302	352	379								
CR10020	110	896	0.93	4.66	9.33	23.3	46.6	70.0	106	140	168	200	229	283	345	392	476	554									
CR12018	125	1,350	1.40	7.02	14.0	35.1	70.2	105	160	210	252	302	345	426	519	590	716										
CR12022	140	1,750	1.81	9.07	18.1	45.3	90.7	136	206	272	326	390	446	551	671	762											
CR16018	160	2,920	3.03	15.1	30.3	75.8	151	227	345	455	546	652	764	922	1122												
CR16022	200	4,260	4.43	22.1	44.3	110	221	333	506	665	799	954	1090	1350	1640												
CR20018	205	5,820	6.06	30.3	60.6	151	303	454	691	909	1090	1300	1490	1840													
CR20022	260	7,340	7.63	38.2	76.3	191	382	572	871	1140	1370	1640	1880														
Type of lubrication			I			II			III																		

Note: 1. Lubrication interval : Once a month.
 2. Lubrication interval : Once a Week. It is recommended to use a casing.
 3. It is imperative to use a casing.
 in the high speed zone to the right side of the dotted line more accurate installation in necessary.

TORQUE LIMITERS



특징

- TORQUE의 설정 및 조절은 조절 NUT 또는 조절 BOLT의 체결력 가감에 의해 간단히 할 수 있습니다.
- TORQUE의 전달은 마찰판과 DRIVE MEMBER와의 마찰에 의해 발생하므로 과부하시에는 미끄러져 기계를 보호합니다.
- 과부하시에는 미끄러지고 과부하가 제거되면 자동적으로 복귀되어 회전합니다.
- 자동으로 운전되는 기계 혹은 장치 등에서 과부하가 걸리면 자동적으로 전원을 끊기도 하고, 경보벨을 울리기도 하는 안전장치를 쉽게 설치할 수 있습니다.
- DRIVE MEMBER로써 SPROCKET, GEAR, PULLEY등 설치가 가능합니다.
- 보수 비용이 전혀 들지 않습니다.

선택

- 기계의 강도, 부하 및 기타조건에 따라 Slip Torque를 결정합니다. Slip Torque를 확실히 알수 없는 경우에는 원동기의 정격 출력 및 장착하는 축의 회전수로써 Torque를 계산하여 그것의 1.5~2배를 Slip Torque로 하여 주십시오.
- Slip Torque가 설정 Torque 범위에 있는 Torque Limiter를 설정하여 주십시오.
- 사용하고자 하는 축경과 위에서 선정된 Size의 최대 축경과 비교하여 범위 내에 드는지 확인하십시오.
- Torque Limiter에 끼워 넣는 Drive member의 두께에 따라 적당한 길이의 Bushing을 선정하십시오. Bushing의 길이는 Drive Member의 두께보다 짧은것 중에서 가장 긴 것을 사용하여 주십시오.

CHARACTERISTIC

- They can easily be adjusted to slip at a desired overload, automatically re-engaged when overload is removed.
- Overload should be removed promptly since prolonged slippage can be detrimental to the friction disc.
- No resetting generally is required after the Torque Limiter has slipped. Torque Limiters prevent machine damage, product damage and costly down time caused by shock loads, overloads or machine jams.
- They should not be used as clutches or to prevent personal injury.
- Torque limiters are primarily for use with sprockets, gears and pulleys.

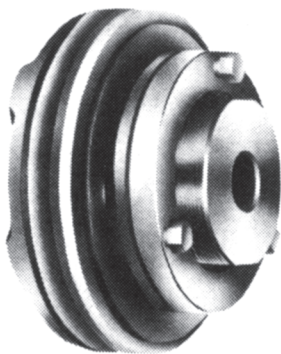
SELECTION

When the torque at which the device should slip is determined, simply choose a Torque Limiter from Table, which has a maximum torque rating as great as or greater than the required torque. Check to see if required bore is available. It is good practice to select the Torque Limiter with a maximum torque rating reasonably greater than the required torque if possible.

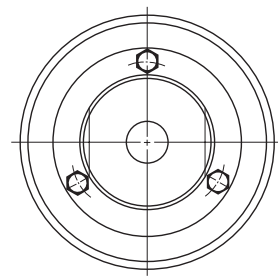
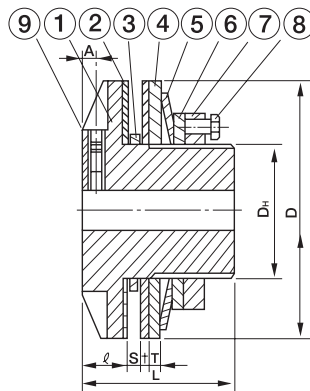
Torque Limiters should not be used on High Speed Drives.

Size	Basic torque (kgf.m)	Finished Bore (H10)	Max. Bore Dia	Bushing		Drive Member Bore	Dimensions (mm)										Weight (kg)	
				Width	Out Dia		D	DH	L	I	T	t	S _(Max)	A	C	⑥		⑦
TL-200-1	0.3~1	8	14	3.8	30 ^{-0.024} _{-0.049}	30 ^{+0.03} ₀	50	24	29	6.5	2.6	2.5	7	-	38	M24 ×1.0	-	0.2
TL-200-2	0.7~2			6.0														
TL-250-1	0.7~2.8	10	22	4.5	41 ^{-0.010} _{-0.045}	41 ^{+0.05} ₀	65	35	48	16	4.5	3.2	9	4	50	M35 ×1.5	M5	0.6
TL-250-2	1.4~5.5			6.5														
TL-350-1	2.0~7.6	17	25	4.5	49 ^{-0.025} _{-0.065}	49 ^{+0.05} ₀	89	42	62	19	4.5	3.2	16	6	63	M42 ×1.5	M6	1.2
TL-350-2	3.5~15.2			9.5														

MIDDLE SIZE TORQUE LIMITER



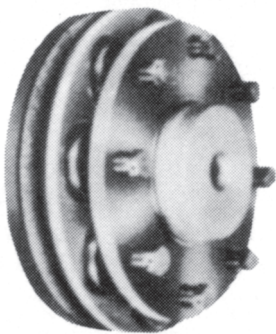
- ① Hub
- ② Friction Disc
- ③ Bushing
- ④ Pressure Plate
- ⑤ Disc Spring
- ⑥ Pilot Plate
- ⑦ Adjusting Collar
- ⑧ Adjusting Bolt
- ⑨ Set Screw



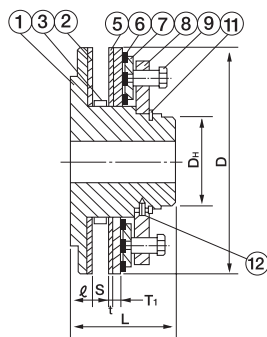
TL 500, TL 700

Size	Basic torque (kgf.m)	Finished Bore (H10)	Max. Bore Dia	Bushing		Drive Member Bore	Dimensions (mm)											Weight (kg)
				Width	Out Dia		D	DH	L	I	T	t	S (Max)	A	㊴	㊵	㊶	
TL-500-1	4.8~21.4	20	42	6.5	74 ^{-0.05} _{-0.10}	74 ^{+0.05} ₀	127	65	76	22	5.7	3.2	16	7	M65 × 1.5	M8 × 1	M8	3.5
TL-500-2	9~42.9			9.5														
TL-700-1	11.8~58.1	30	64	9.5	105 ^{-0.075} _{-0.125}	105 ^{+0.05} ₀	178	95	98	24	7.7	3.2	29	8	M95 × 1.5	M10 × 1.25	M10	8.4
TL-700-2	22.8~110.6			12.5														

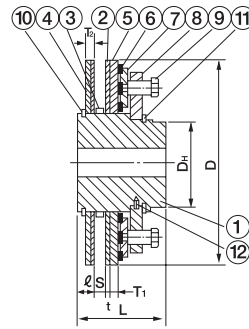
LARGE SIZE TORQUE LIMITER



- ① Hub
- ② Friction Disc
- ③ Bushing
- ④ Pressure Plate
- ⑤ Pressure Plate
- ⑥ Disc Spring
- ⑦ Spring Plate
- ⑧ Pilot Plate
- ⑨ Adjusting Bolt
- ⑩ Snap Ring
- ⑪ Snap Lock
- ⑫ Spring Pin



TL 10



TL 14, TL 20

Size	Basic torque (kgf.m)	Finished Bore (H10)	Max. Bore Dia	Bushing		Drive Member Bore	Dimensions (mm)										Weight (kg)	
				Width	Out Dia		D	DH	L	I	T	T ₁	T ₂	t	S _(Max)	C		⑨
TL 10-16 TL 10-24	40~130 60~190	30	72	12.5 15.5 19.5	135 ^{+0.085} _{-0.125}	135 ^{+0.07} ₀	254	100	115	23	15	15	-	4.0	24	19	M18 × 1.5	21
TL 14-10 TL 14-15	90~272 200~400	40	100	15.5 19.5 23.5	183 ^{+0.07} _{-0.12}	138 ^{+0.07} ₀	356	145	150	31	13	13	13	4.0	29	27	M26 × 1.5	52
TL 20-6 TL 20-12	250~500 470~950	50	130	15.5 19.5 23.5	226 ^{-0.07} _{-0.12}	226 ^{+0.07} ₀	508	185	175	36	15	15	18	4.0	3.1	36	M32 × 1.5	117