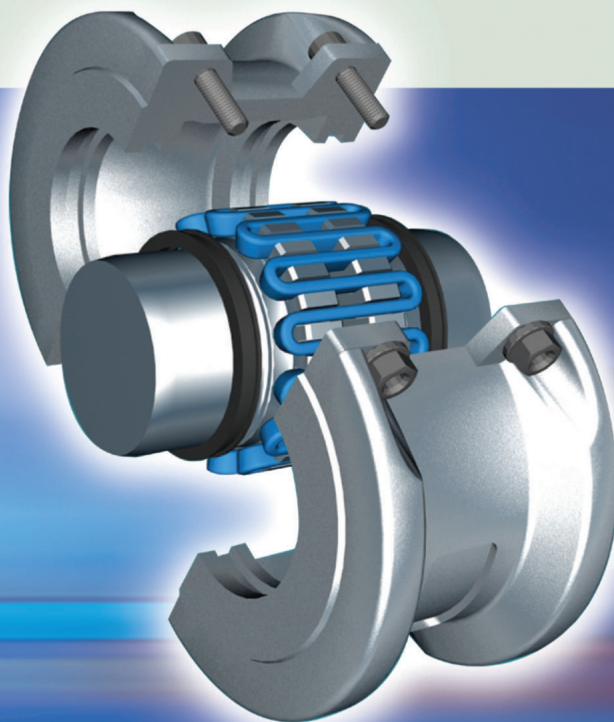


GRID

COUPLING



GRID COUPLING

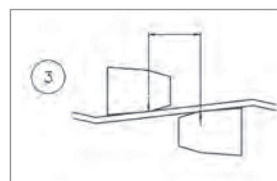
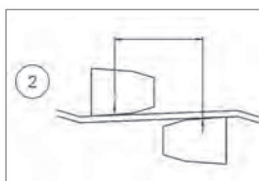
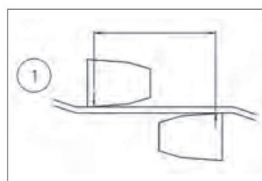
특성

1. 축의 변위(Misalignment)에 따른 진동 및 충격 완화

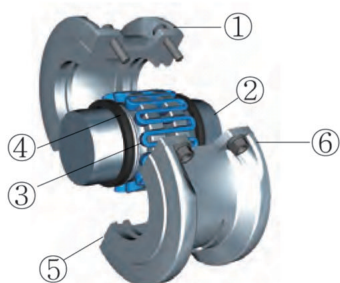
- 1) 평행변위 : 축이 편심 상태일 때 그리드가 허브의 홈안에서 작동하여 진동이나 충격을 완화시켜 동력을 전달합니다. (허용편심은 2mm~3mm)
- 2) 각도변위 : 축이 편각상태일 때 그리드는 미끄러지는 탄력과 윤활작용으로 곡면구조의 허브홈 안에서 손실 없이 동력을 전달합니다. (허용편각은 2°~3°)
- 3) 축유동변위 : 구동축과 피동축이 상하진동과 좌우로 움직이더라도 윤활유를 칠한 허브의 홈안에서 그리드가 구부러진 안쪽까지 자유롭게 작동하기에, 진동없이 동력을 전달합니다.



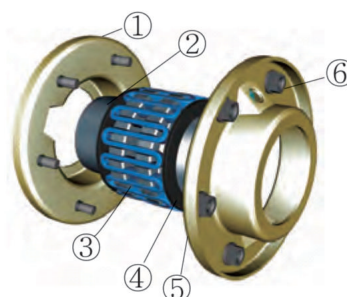
2. 비틀림에 대한 높은 유연성: 기계 작동 시에 충격, 진동, 과부하 등이 발생되면 그리드가 비틀리는 유연성으로 인해 힘의 작용점이 허브 홈의 곡면안에서 이동되어 진동과 충격부하를 감소시킵니다.



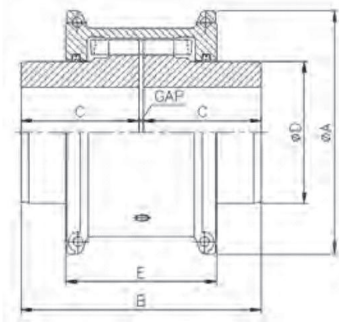
구조



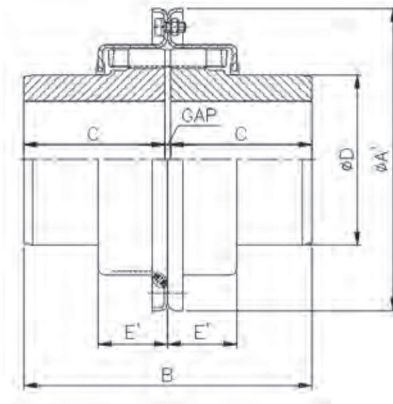
부품명	
①	커버
②	허브
③	그리드
④	오일씰
⑤	가스켓
⑥	볼트



규격표



SH Type
(Horizontal split aluminum cover)

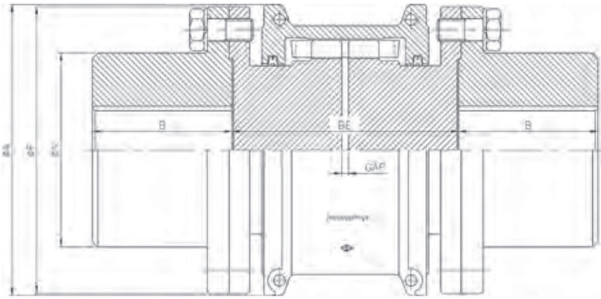


SV Type
(Vertical split steel cover)

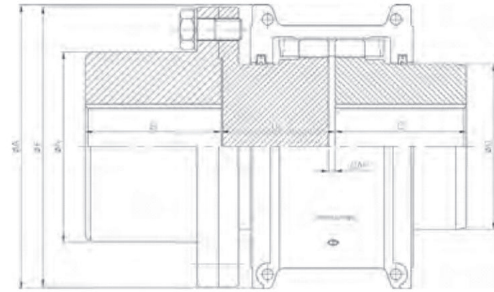
규격	최대 회전수 (rpm)	허용 Torque (kgf • m)	치수 (mm)											중량 Weight (kg)	Grease (kg)
			축경 Max.	A	A'	B	C	D	E	E'	Gap				
											Min.	Normal	max.		
20S	4,500	4.9	30	101.6	111.1	98.0	47.5	39.7	66.5	24.2	1.5	3.0	4.5	1.9	0.03
30S	4,500	13.8	36	111.0	120.7	98.0	47.5	49.2	68.3	25.0	1.5	3.0	4.5	2.6	0.03
40S	4,500	23.0	44	117.5	128.5	104.6	50.8	57.1	70.0	25.7	1.5	3.0	4.5	3.4	0.05
50S	4,500	40.0	50	138.0	147.6	123.6	60.3	66.7	79.5	31.2	1.5	3.0	4.5	5.4	0.05
60S	4,350	63.0	57	150.5	162.0	130.0	63.5	76.2	92.0	32.2	1.5	3.0	4.5	7.3	0.09
70S	4,125	92.0	65	161.9	173.0	155.4	76.2	87.3	95.0	33.7	1.5	3.0	4.5	10.0	0.11
80S	3,600	190.0	79	194.0	200.0	180.8	88.9	104.8	116.0	44.2	1.5	3.0	6.0	18.0	0.17
90S	3,600	345.0	95	213.0	231.8	199.8	98.4	123.8	122.0	47.7	1.5	3.0	6.0	25.0	0.25
100S	2,440	582.0	107	250.0	266.7	245.7	120.6	142.0	155.5	60.0	1.5	4.5	9.5	42.0	0.43
110S	2,250	864.0	117	270.0	285.8	258.5	127.0	160.3	161.5	64.2	1.5	4.5	9.5	54.0	0.51
120S	2,025	1,367.0	136	308.0	319.0	304.4	149.2	179.4	191.5	73.4	1.5	6.0	12.5	81.0	0.73
130S	1,800	1,843.0	165	346.0	377.8	329.8	161.9	217.5	195.0	75.1	1.5	6.0	12.5	121.0	0.91
140S	1,650	2,660.0	184	384.0	416.0	371.6	184.1	254.0	201.0	78.2	1.5	6.0	12.5	178.0	1.13
150S	1,500	3,687.0	203	453.1	476.3	371.8	183.0	269.2	271.3	106.9	1.5	6.0	12.5	234.0	1.95
160S	1,350	5,185.0	228	501.4	533.4	403.3	198.0	304.8	278.9	114.3	1.5	6.0	12.5	317.0	2.81
170S	1,225	6,193.0	279	566.4	584.2	437.8	216.0	355.6	304.3	119.4	1.5	6.0	12.5	448.0	3.49
180S	1,100	9,586.0	311	629.9	630.0	483.6	239.0	393.7	321.1	130.0	1.5	6.0	12.5	619.0	3.76
190S	1,050	12,670.0	339	675.5	685.0	524.2	259.0	436.9	325.1	135.0	1.5	6.0	12.5	776.0	4.400
200S	900	17,280.0	361	756.9	737.0	564.8	279.0	497.8	355.6	145.0	1.5	6.0	12.5	1,057.0	5.62
210S	820	23,040.0	366	844.6	-	622.3	304.8	533.4	431.8	-	3.0	13.0	24.0	1,424.0	10.50
220S	730	31,100.0	411	920.8	-	622.9	325.0	571.5	490.2	-	3.0	13.0	24.0	1,784.0	16.05
230S	680	44,380.0	450	1,003.3	-	703.8	345.4	609.6	546.1	-	3.0	13.0	24.0	2,267.0	24.00
240S	630	57,000.0	480	1,087.1	-	749.6	368.3	647.7	647.7	-	3.0	13.0	24.0	2,950.0	33.80

※ 중량은 내경 가공이 되지 않은 상태의 경우입니다.

규격표



SAS Type
(Full Spacer)



SFS Type
(Half Spacer)

규격	최대 회전수 (rpm)	허용 Torque (kgf · m)	치수 (mm)											플랜지 볼트 수량	Grease (kg)
			축경 Max.	A	B	C	BE(SAS)		BE(SFS)		N	F	GAP		
							Min.	Max.	Min.	Max.					
20S	3,600	4.9	36	101.6	35	47.5	89	203	45	102	52	86	5.0	4	0.03
30S	3,600	13.8	44	111.0	41	47.5	89	216	45	109	59	94	5.0	8	0.03
40S	3,600	23.0	57	117.5	54	50.8	89	216	45	109	78	113	5.0	8	0.05
50S	3,600	40.0	64	138.0	60	60.3	112	330	57	109	87	126	5.0	8	0.05
60S	3,600	63.0	79	150.5	73	63.5	127	330	64	166	103	145	5.0	8	0.09
70S	3,600	92.0	83	161.9	79	76.2	127	406	64	166	109	153	5.0	12	0.11
80S	3,600	190.0	95	194.0	89	88.9	184	406	93	204	122	178	5.0	12	0.17
90S	3,600	345.0	108	213.0	102	98.4	184	406	93	204	142	210	5.0	12	0.25
100S	2,440	582.0	127	250.0	90	120.6	203	406	103	205	171	251	6.5	12	0.43
110S	2,250	864.0	149	270.0	104	127.0	210	406	106	205	196	277	6.5	12	0.51
120S	2,025	1,267.0	165	308.0	119	149.2	246	406	125	205	225	319	9.5	12	0.73
130S	1,800	1,843.0	178	346.0	135	161.9	257	406	130	205	238	346	9.5	12	0.91
140S	1,650	2,660.0	203	384.0	152	182.8	267	406	135	205	266	386	9.5	12	1.13
150S	1,500	3,687.0	254	453.1	173	182.9	345	371	175	187	334	425	9.5	14	1.95
160S	1,350	5,185.0	279	501.4	186	198.1	356	406	180	205	366	457	9.5	14	2.81
170S	1,225	6,913.0	330	566.4	220	215.9	384	445	194	224	425	527	9.5	16	3.49
180S	1,100	9,586.0	330	629.9	249	238.8	400	490	202	247	451	591	9.5	16	3.76
190S	1,050	12,670.0	362	675.5	276	259.1	411	530	207	267	508	660	9.5	18	4.40
200S	900	17,280.0	381	756.9	305	279.4	445	575	224	289	530	711	9.5	18	5.62

※ 중량은 내경 가공이 되지 않은 상태의 경우입니다.

GEAR

DISK

GRID

FLUID

RUBBER

TIRE

WIRE DRUM

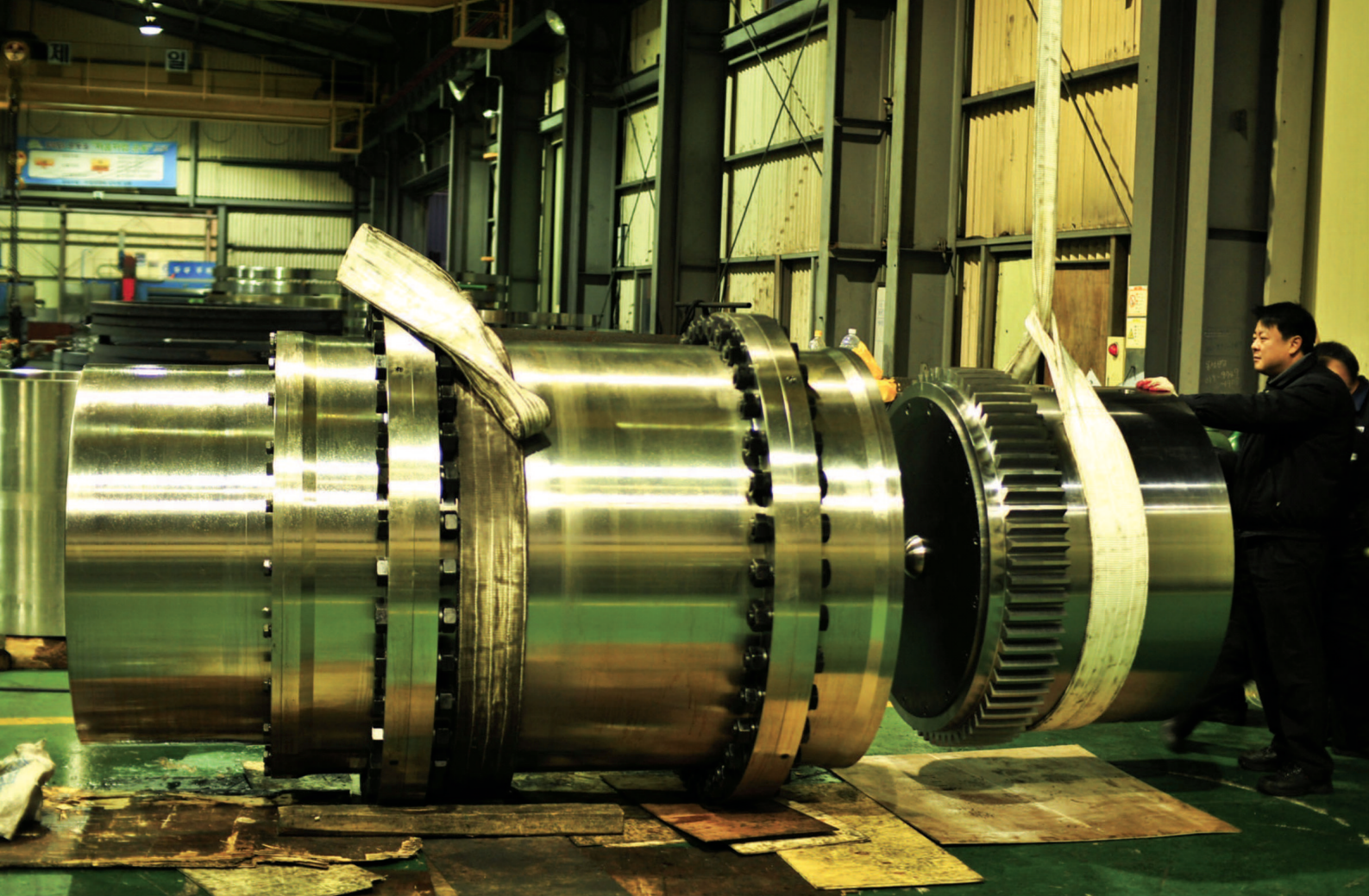
JAW

CHAIN / MUFF

FLANGE
BRAKE DRUM

WIND TURBINE

COMPOSITE



 **Jac coupling**

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