

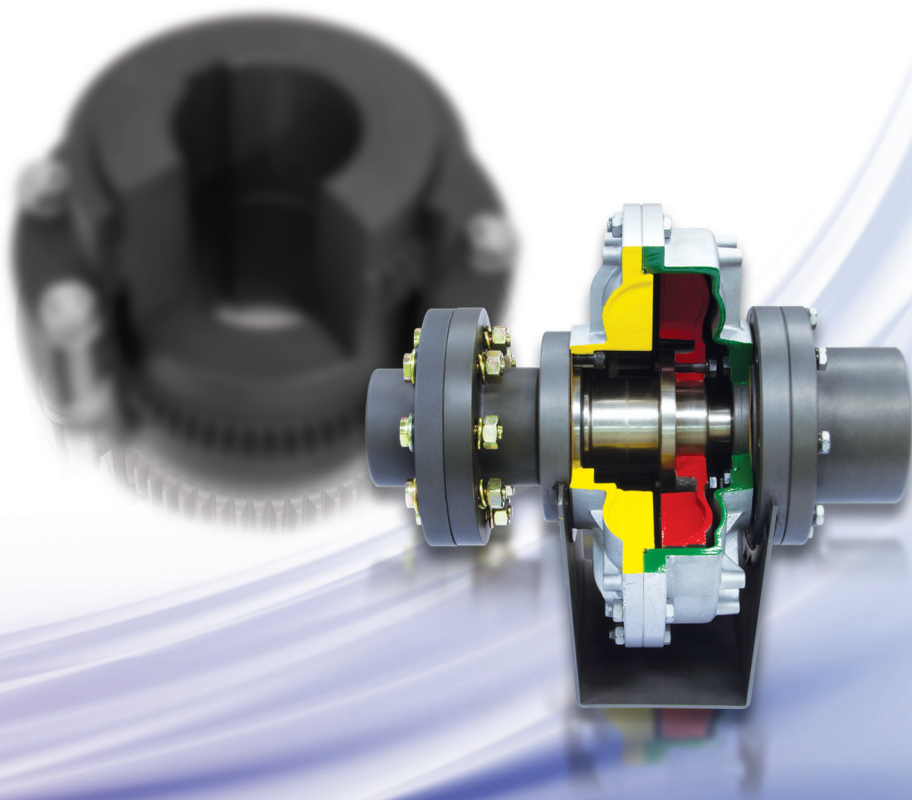
SANGYONG

Power transmisson Manufacturing



Power Transmission **Manufacturing**

+ FLUID COUPLING &
GEAR COUPLING



+ FLUID COUPLING

Fluid Couplings are fitted on electric motors

The Fluid Couplings are fitted on triphase squirrel-cage motors which supply maximum torque at 85% of rated speed. With direct-on-line starting, these motors absorbed about 6 times nominal current.

To avoid these inconveniences, some people substitute direct starting with other methods.

The most usual method is star-delta(Y- Δ) that reduces about 1/3 the absorbed current peaks during the initial operation in the case of high inertia systems.

It is necessary to select an oversize motor to deal with the long acceleration period with only an instantaneous current peak at switch-on.

Fluid coupling with delayed-fill chamber

Fluid couplings have very low starting torque ensuring that the electric motor do not exceed 200% nominal torque with standard circuit in max condition.

It's possible to further limit the starting torque by reducing the oil quantity inside of circuit, obtaining starting torque values up to 160% of nominal torque.

The method has the disadvantage of increasing the coupling slip at rated speed and the operating temperature of the coupling.

The more technically sound method to obtaining the limitation of starting torque is the use of a Delayed-Fill Chamber.

This is bolted on the external circuit having calibrated oil bleed-orifices into the working circuit.

In standstill condition, the delayed-fill chamber contains parts of the oil fill, reducing the oil quantity in the working circuit.

For this reason, at start, the coupling transmits very limited torque, allowing the motor to immediately reach rated speed.

During starting, oil flows proportionally to the speed from the delayed-fill chamber to inside working circuit.

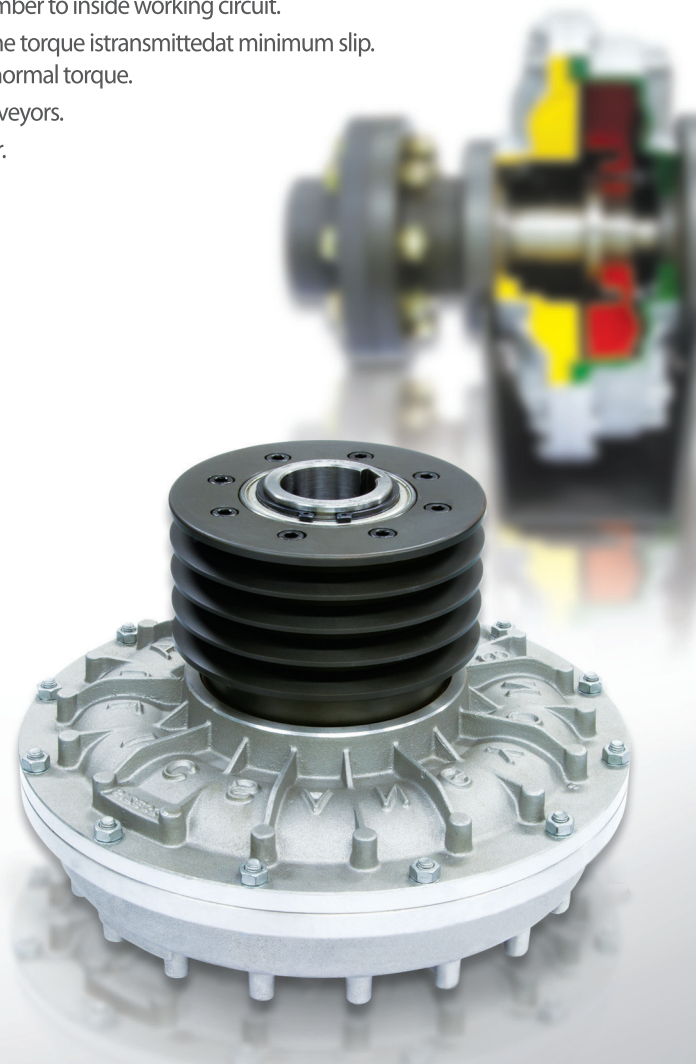
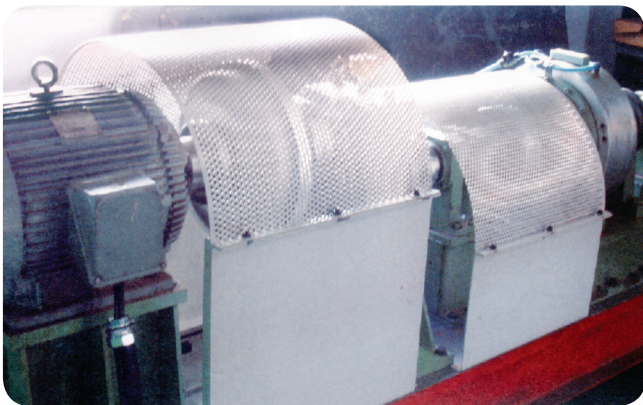
When the coupling reaches rated speed almost all the oil is in the circuit and the torque is transmitted at minimum slip.

With the delayed-fill chamber the starting torque reaches the 140% or less of normal torque.

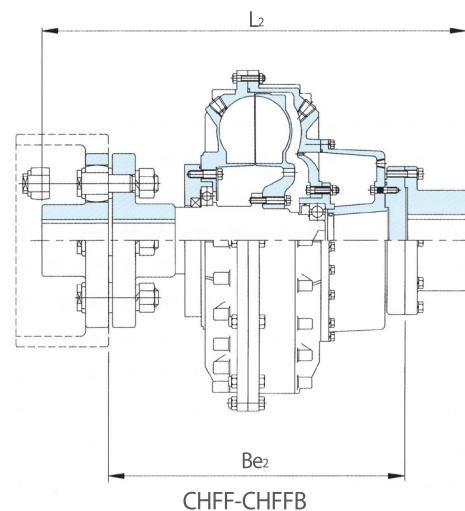
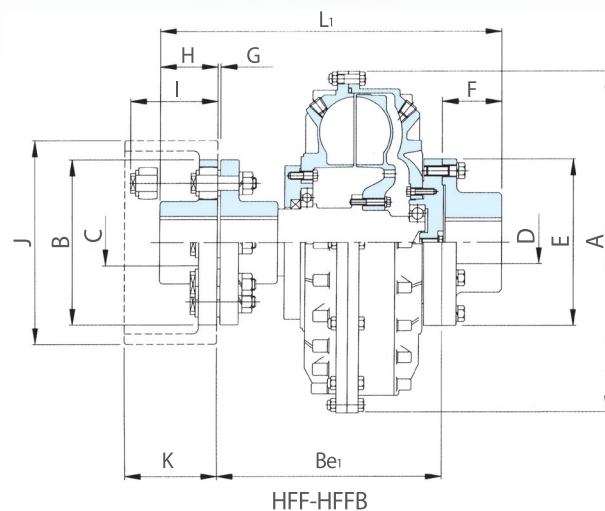
Thus, it is particularly suitable for soft starting: typical application is on belt conveyors.

The advantages of the delayed-fill chamber are more obvious with high power.

For this reason, it is available from size of 38H.



+ FLUID COUPLING

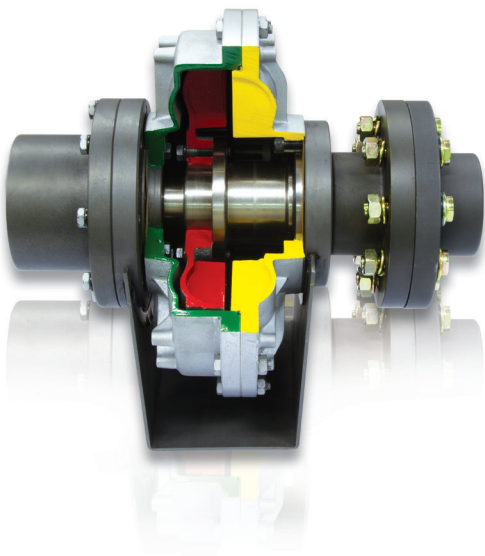


HFF-HFFB, CHFF-CHFFB

DIM SIZE	A	B	C Max	D Max	E	F	H	G	I	Be ₁	Be ₂	L ₁	L ₂	Brake Drum		Weight Kgf (without Oil)		OIL(max-it)	
														J	K	HFF	CHFF	HFF	CHFF
30	295	160	45	75	160	85	56	3	64	214	-	355	-	200x100	28	-	1.95	-	-
33	325	180	50	75	160	85	63	3	64	230	-	378	-	200x100	32	-	2.75	-	-
38	370	200	56	75	160	85	71	4	85	251	318	407	474	200x100	42	45	4.10	4.8	-
41	398	224	63	75	160	85	80	4	85	270	345.5	435	510.5	250x125	53	56	5.20	5.8	-
47	460	250	71	95	200	105	90	4	100	314	393	509	588	315x160	85	89	7.65	8.6	-
53	520	280	80	95	200	105	100	4	116	351	433	556	638	400x200	114	120	11.70	13.2	-
58	565	280	80	95	200	105	100	4	116	351	433	556	638	400x200	123	129	14.20	16.5	-
63	620	315	90	105	224	118	112	4	116	403	505	633	735	450x224	177	187	19.00	23.0	-
72	710	355	100	105	224	118	125	5	150	417	519	660	762	450x224	226	236	28.40	31.2	-
80	780	400	110	150	280	147	125	5	150	450	609	722	881	500x250	335	358	42.00	50.0	-
88	860	450	125	150	280	147	140	5	150	494	653	781	940	560x280	416	439	55.00	63.0	-

* Available Production Model: HF, HS, HG, CHG, CHF, CHS, HP, CHP.

* You can find all information at "www.sangyong.co.kr" to verify all production.



Disrtinctive Features

Excessive load fluctuation field(Agitator, Crusher)
 Frequent starting field (Mill, Crane)
 In the case of starting with load (Conveyor, dehydrator),
 the application need fluid coupling strongly to escape
 all kinds of load problem during operating.

Along with our fluid coupling, you can get the following
 profits; Using general motors instead of expensive
 special motors.

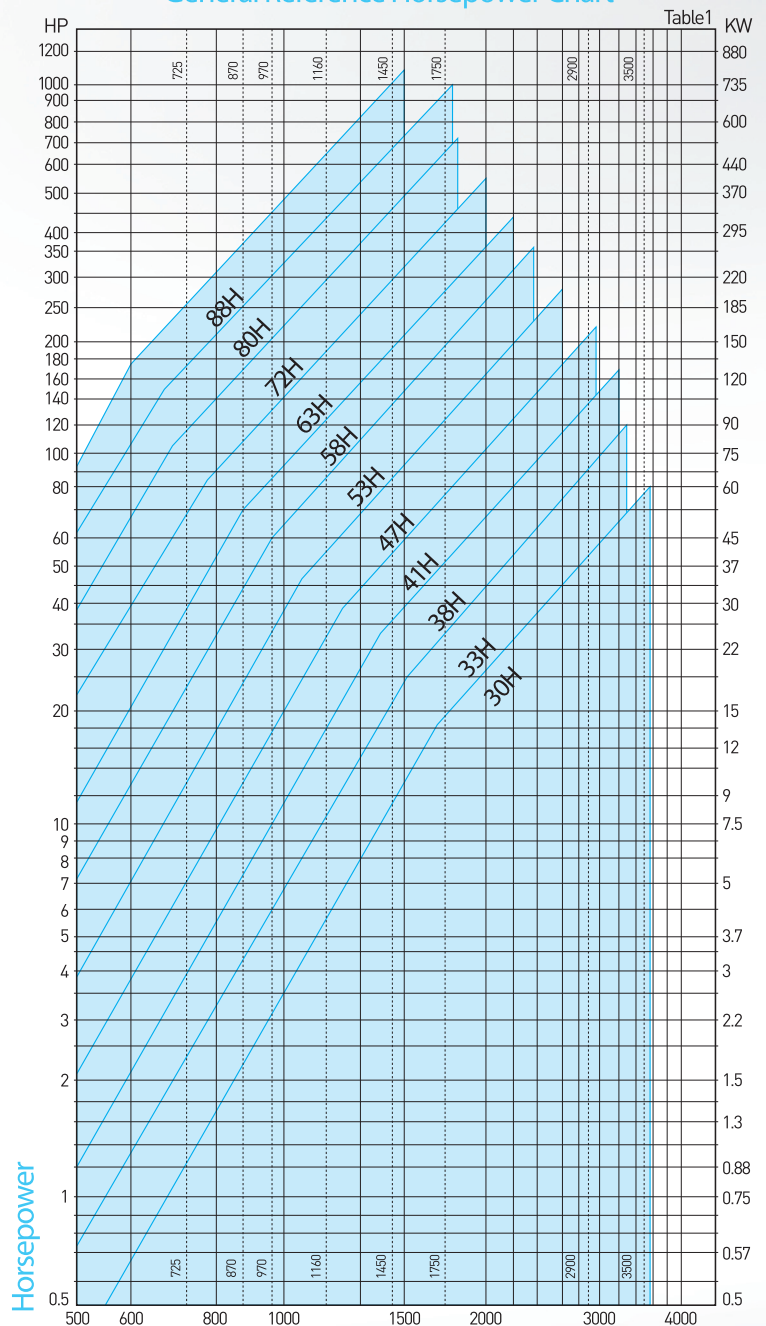
Protecting reduction of velocity at momentary over
 load or burn out of motors.

Reverse rotation is possible to stop the driven.

Motors and driven are protactive due to no connecting
 with driven when occuring impulse load.

Starting is possible absorbing 75% of starting current.

General Reference Horsepower Chart



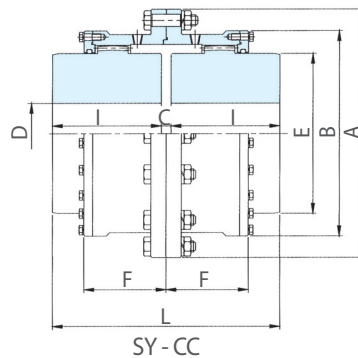
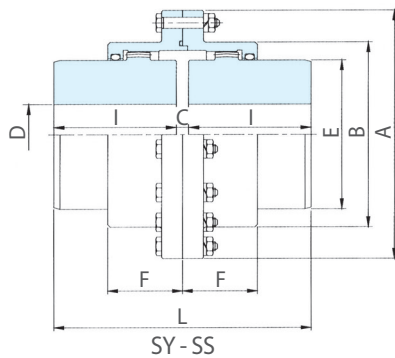
+ GEAR COUPLING

Distinctive Feature

1. Light weight, small size, long life and very little of transmitting power.
2. Noise or vibration is hardly produced even in high speed operating.
The lubrication cushions the load and provides long wear life.
3. Gear coupling permits parallel, anhular and end floating misalignment by crowned gear from of hub tooth.
4. Gear coupling up to size 400 zre always mass produced and kept in stock to permit quick delivery upon request.
Large size and special type can be manufactured by your requirements.

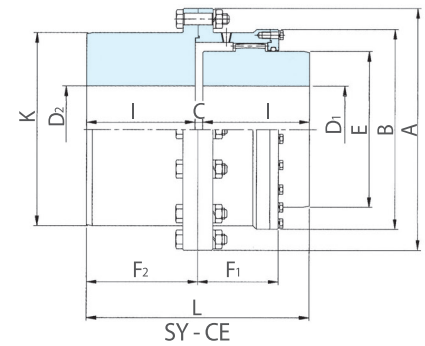
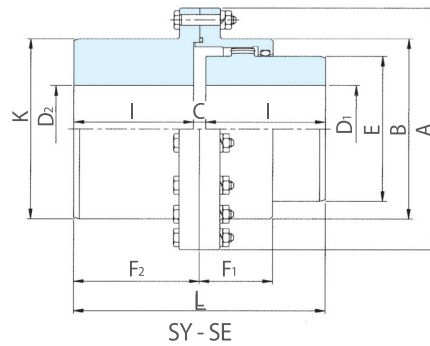
Application

Crane, Reducer, Hoist, Rolling Mills, Agitator, Conveyor.



SY-SS112~400, SY-CC450~1250

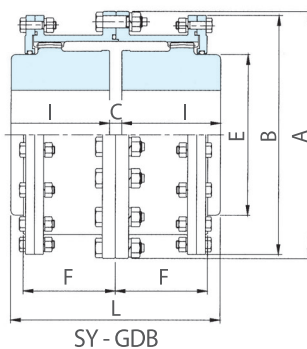
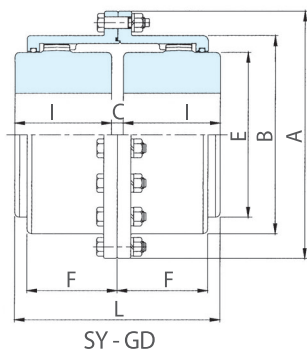
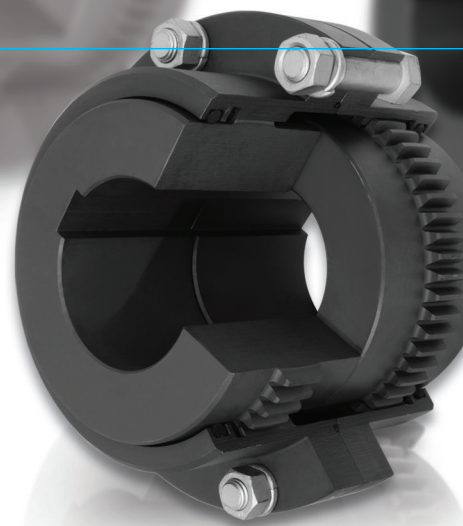
SIZE Outside Dia A	Max. speed (rpm)	Rating Torque (kgf.m)	D		Dimension(mm)						Oil (ℓ)	Weight (kgf)
			Max.	Min.	L	B	E	F	I	C		
112	4,000	57.3	40	16	98	79	58	40	45	8	0.055	4.1
125	4,000	101.6	50	31	108	92	70	43	50	8	0.072	5.8
140	4,000	146.3	56	31	134	107	80	47	63	8	0.110	8.7
160	4,000	223.9	65	31	170	120	95	52	80	10	0.140	14.0
180	4,000	343.8	75	45	190	134	105	56	90	10	0.180	19.0
200	3,810	491.0	85	45	210	149	120	61	100	10	0.240	26.0
224	3,410	713.3	100	51	236	174	145	65	112	12	0.360	39.0
250	3,050	961.9	115	51	262	200	165	74	125	12	0.530	55.0
280	2,720	1,666.0	135	51	294	224	190	82	140	14	0.690	81.0
315	2,420	2,626.0	160	112	334	260	225	98	160	14	1.100	123.0
355	2,150	3,954.0	180	125	376	288	250	108	180	16	1.300	169.0
400	1,900	5,555.0	200	140	416	329	285	114	200	16	2.000	242.0
450	1,690	7,520.0	205	140	418	372	290	151	200	18	2.600	298.0
500	1,520	11,830.0	236	170	470	424	335	168	224	22	3.800	429.0
560	1,360	16,970.0	275	190	522	475	385	187	250	22	4.600	615.0
630	1,210	26,500.0	325	224	588	544	455	213	280	28	6.700	921.0
710	1,070	38,000.0	360	250	658	622	510	242	315	28	9.400	1,312.0
800	950	54,430.0	405	280	738	690	570	267	355	28	13.000	1,940.0
900	840	82,000.0	475	315	832	792	670	295	400	32	17.000	2,753.0
1000	760	113,000.0	510	355	932	858	720	322	450	32	23.000	3,800.0
1120	682	165,000.0	600	400	1040	990	840	360	500	40	32.000	5,400.0
1250	610	212,000.0	710	500	1160	1126	960	399	560	40	45.000	7,707.0



SY-SE112~400, SY-CE450~1250

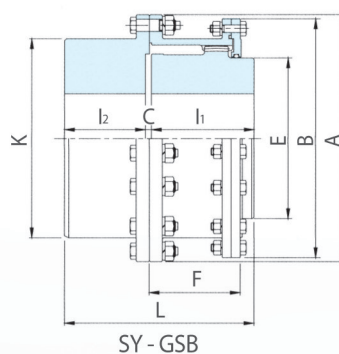
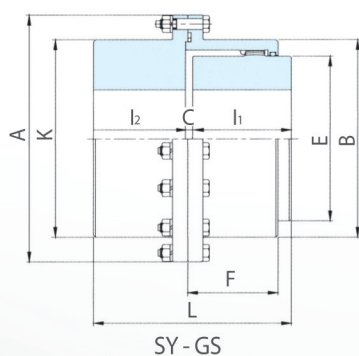
SIZE	Max. speed (rpm)	Rating Torque (kgf.m)	Bore				Dimension(mm)								Oil (ℓ)	Weight (kgf)
			HUB D1		FLANGE D2		L	B	K	E	F ₁	F ₂	I	C		
Outside Dia A			Max.	Min.	Max.	Min.										
112	4,000	57.3	40	16	50	16	98	79	79	58	40	49	45	8	0.042	4.4
125	4,000	101.6	50	31	56	31	108	92	92	70	43	54	50	8	0.056	5.8
140	4,000	146.3	56	31	63	31	134	107	107	80	47	67	63	8	0.085	8.6
160	4,000	223.9	65	31	75	31	170	120	120	95	52	85	80	10	0.110	14.0
180	4,000	343.8	75	45	80	45	190	134	134	105	56	95	90	10	0.140	19.0
200	3,810	491.0	85	45	95	45	210	149	149	120	61	105	100	10	0.180	26.0
224	3,410	713.3	100	51	105	51	236	174	174	145	65	118	112	12	0.290	38.0
250	3,050	961.9	115	51	125	51	262	200	200	165	74	131	125	12	0.410	56.0
280	2,720	1,666.0	135	51	150	51	294	224	224	190	82	147	140	14	0.560	83.0
315	2,420	2,626.0	160	112	180	112	334	260	260	225	98	167	160	14	0.900	128.0
355	2,150	3,954.0	180	125	200	125	376	288	288	250	108	188	180	16	1.100	175.0
400	1,900	5,555.0	200	140	236	140	416	329	329	285	114	208	200	16	1.600	261.0
450	1,690	7,520.0	205	140	225	140	418	372	372	290	151	209	200	18	2.100	304.0
500	1,520	11,830.0	236	170	270	170	470	424	424	335	168	235	224	22	3.100	434.0
560	1,360	16,970.0	275	190	305	190	522	475	475	385	187	261	250	22	3.800	634.0
630	1,210	20,500.0	325	224	355	224	588	544	544	455	213	294	280	28	5.800	922.0
710	1,070	38,000.0	360	250	400	250	658	622	622	510	242	329	315	28	7.800	1,317.0
800	950	54,430.0	405	280	450	280	738	690	635	570	267	369	355	28	11.000	1,933.0
900	840	82,000.0	475	315	510	315	832	792	715	670	295	416	400	32	14.000	2,724.0
1000	760	113,000.0	510	355	570	355	932	858	800	720	322	466	450	32	20.000	3,773.0
1120	682	165,000.0	600	400	640	400	1040	990	900	840	360	520	500	40	26.000	5,411.0
1250	610	212,000.0	710	500	800	500	1160	1126	1060	960	399	580	560	40	37.000	7,930.0

+ GEAR COUPLING



SY-GD10~60, SY-GDB70~120

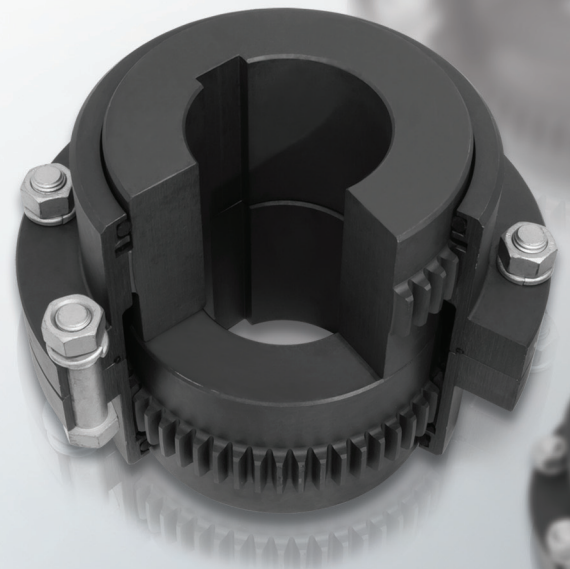
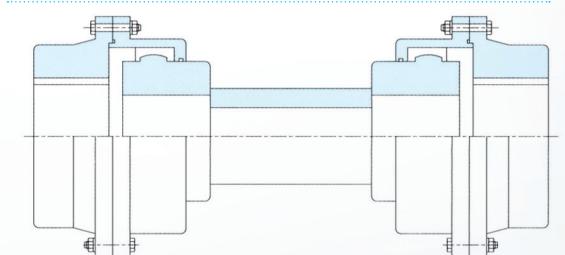
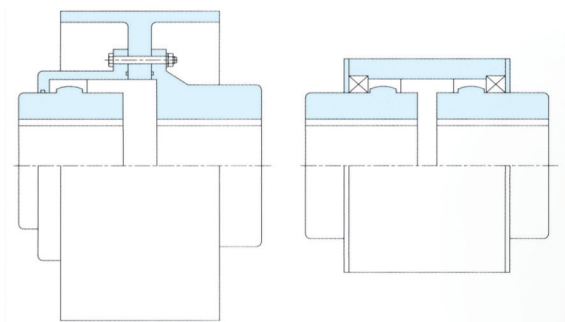
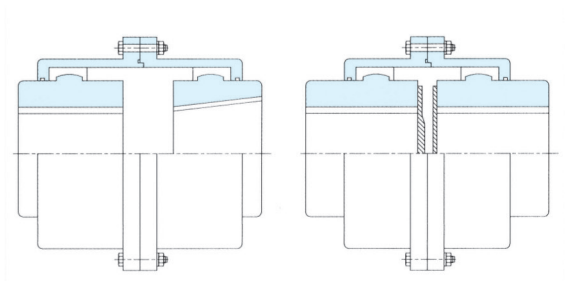
SIZE	Max. speed (rpm)	Rating Torque (kgf.m)	Bore Dia		Dimension(mm)							Oil (ℓ)	Weight (kgf)
			Max.	Min.	A	L	B	E	F	I	C		
10GD	8,000	85.94	48	13	116	89	84	69	39	43	3.0	0.04	4.5
15GD	6,500	193.37	60	19	152	101	105	86	48	49	3.0	0.07	9.1
20GD	5,600	358.10	73	25	178	127	126	105	59	62	3.0	0.11	15.9
25GD	5,000	644.58	92	32	213	159	155	131	72	77	5.0	0.23	29.5
30GD	4,400	1,074.30	105	38	240	187	180	152	84	91	5.0	0.36	43.1
35GD	3,900	1,647.26	124	51	279	218	211	178	98	106	6.0	0.54	68.0
40GD	3,600	2,506.70	146	64	318	248	245	210	111	121	6.0	0.91	97.5
45GD	3,200	3,437.76	165	76	346	278	274	235	123	135	8.0	1.04	136.1
50GD	2,900	4,655.30	178	89	389	314	306	254	141	153	8.0	1.77	190.5
55GD	2,650	6,087.70	197	102	425	344	334	279	158	168	8.0	2.22	249.5
60GD	2,450	7,878.20	222	114	457	384	366	305	169	188	8.0	3.18	306.2
70GDB	2,150	11,459.20	254	89	527	451.5	517	343	196	211	9.5	4.35	485.4
80GDB	1,750	15,040.20	279	105	591	507.5	572	356	243	249	9.5	9.53	703.1
90GDB	1,550	20,411.70	305	114	660	565	641	394	265	276	13.0	12.25	984.3
100GDB	1,450	28,648.00	343	127	711	623	699	445	294	305	13.0	14.97	1,302.0
110GDB	1,330	39,391.00	387	140	775	679	749	495	322	333	13.0	17.69	1,678.3
120GDB	1,200	50,134.00	425	152	838	719	826	546	341	353	13.0	20.87	2,113.8



SY-GS Type, SY-GSB Type

SIZE	Max. speed (rpm)	Rating Torque (kgf.m)	Bore Dia			Dimension(mm)										Oil	Weight
			Max		Min.											(ℓ)	(kgf)
			FLANGE	Hub		A	L	B	K	E	F	I ₁	I ₂	C			
10GS	8,000	85.94	60	48	13	116	87.0	84	84	69	39	43	40	4.0	0.02	4.5	
15GS	6,500	193.37	75	60	19	152	99.0	105	105	86	48	48	46	4.0	0.04	9.1	
20GS	5,600	358.10	92	73	25	178	124.0	126	126	105	59	62	58	4.0	0.07	15.9	
25GS	5,000	644.58	111	92	32	213	156.0	155	155	131	72	77	74	5.0	0.12	27.2	
30GS	4,400	1,074.30	130	105	38	240	184.0	180	180	152	84	91	88	5.0	0.18	43.1	
35GS	3,900	1,647.26	149	124	51	279	213.5	211	211	178	98	106	102	5.5	0.27	61.2	
40GS	3,600	2,506.70	171	146	64	318	243.0	245	245	210	111	121	115	7.0	0.47	99.8	
45GS	3,200	3,437.76	194	165	76	346	274.0	274	274	235	123	135	131	8.0	0.57	136.1	
50GS	2,900	4,655.30	222	178	89	389	309.0	306	306	254	141	153	147	9.0	0.91	195.0	
55GS	2,650	6,087.70	248	197	102	425	350.0	334	334	279	158	168	173	9.0	1.13	263.1	
60GS	2,450	7,878.20	267	222	114	457	384.0	366	366	305	169	188	186	10.0	1.70	324.3	
70GSB	2,150	11,459.20	305	254	89	527	454.0	517	425	343	196	221	220	13.0	2.27	508.0	
80GSB	1,750	14,040.20	343	279	105	591	511.0	572	451	356	243	249	249	13.0	4.99	698.5	
90GSB	1,550	20,411.70	381	305	114	660	566.0	641	508	394	265	276	276	14.0	6.35	984.3	
100GSB	1,450	28,648.00	406	343	127	711	626.0	699	530	445	294	305	305	16.0	7.71	1,251.9	
110GSB	1,330	39,391.00	445	387	140	775	682.0	749	584	495	322	333	333	16.0	9.53	1,637.5	
120GSB	1,200	50,134.00	495	425	152	838	722.0	826	648	546	341	353	353	16.0	12.25	2,077.5	

SPECIAL Type



Power Transmission **Manufacturing**

+ **FLANGE** COUPLING
& **DISC** COUPLING



+ FLANGE COUPLING

Distinctive Features

SANGYONG Flange coupling is the superior quality products made with modern production facilities and advanced. It has been enjoyed a good reputation from local line as well as japaness customers, especially use for pump shaft.

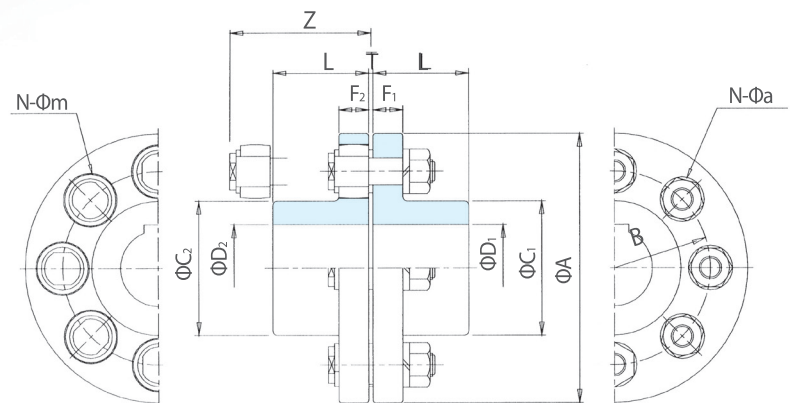
1. It transmits power smoothly.
2. It has available absorption of shock load and vibration.
3. The power to be pressed shaft from coupling does not occur.
4. Easy and simple installation and assembly / disassembly.
5. It's easy to check the state of assembly when its installed.
6. Interchangeable coupling and No lubrication.
7. It has lowest price.

Application

Pump, Blower, Speed change gear, Compressor, Converor, Crane, Hoist, Chemical machine, Construction machine, Cement Mixer, Rolling Mill, Textile machine, Sprinning machine, Metal Processing machine.

SY-FFC

*Z: Drawn out length of bolt



SY - FFC Type

SIZE A	Rating Torque (kgf.m)	Max. Speed (rpm)	Bore Diameter Dimensions(mm)															
			Max.		Min.	A	L	C1	C2	B	F1	F2	N-a	m	T	Z	Weight (kgf)	GD ² (kgf.cm ²)
			D1	D2														
FFC 90	0.5	4,000	20	20	-	90	28.0	35.5	35.5	60	14.0	14.0	4- 8.0	19	3	50	1.37	0.00532
FFC 100	1.0	4,000	25	25	-	100	35.5	42.5	42.5	67	16.0	16.0	4- 10.0	23	3	56	2.00	0.00948
FFC 112	1.6	4,000	28	28	16	112	40.0	50.0	50.0	75	16.0	16.0	4- 10.0	23	3	56	2.64	0.01520
FFC 125	2.5	4,000	32	28	18	125	45.0	56.0	50.0	85	18.0	18.0	4- 14.0	32	3	64	3.59	0.02580
FFC 140	5.0	4,000	38	35	20	140	50.0	71.0	63.0	100	18.0	18.0	6- 14.0	32	3	64	4.88	0.04220
FFC 160	11.2	4,000	45	45	25	160	56.0	80.0	80.0	115	18.0	18.0	8- 14.0	32	3	64	6.70	0.07410
FFC 180	16.0	3,500	50	50	28	180	63.0	90.0	90.0	132	18.0	18.0	8- 14.0	32	3	64	8.98	0.12100
FFC 200	25.0	3,200	56	56	32	200	71.0	100.0	100.0	145	22.4	22.4	8- 20.0	41	4	85	13.90	0.24100
FFC 224	40.0	2,850	63	63	35	224	80.0	112.0	112.0	170	22.4	22.4	8- 20.0	41	4	85	18.10	0.38400
FFC 250	63.0	2,550	71	71	40	250	90.0	125.0	125.0	180	28.0	28.0	8- 25.0	51	4	100	26.60	0.72000
FFC 280	100.0	2,300	80	80	50	280	100.0	140.0	140.0	200	28.0	28.0	8- 28.0	57	4	116	37.40	1.29000
FFC 315	160.0	2,050	90	90	63	315	112.0	160.0	160.0	236	28.0	40.0	10-28.0	57	4	116	50.30	2.12000
FFC 355	250.0	1,800	100	100	71	355	125.0	180.0	180.0	260	35.5	40.0	10-35.5	72	5	150	79.20	4.42000
FFC 400	400.0	1,600	110	110	80	400	125.0	200.0	200.0	300	35.5	56.0	10-35.5	72	5	150	100.00	7.10000
FFC 450	630.0	1,400	125	125	90	450	140.0	224.0	224.0	355	35.5	56.0	12-35.5	72	5	150	132.00	11.50000
FFC 560	1,000.0	1,150	140	140	100	560	160.0	250.0	250.0	450	35.5	56.0	14.35.5	72	5	150	207.00	27.30000
FFC 630	1,600.0	1,000	160	160	110	630	180.0	280.0	280.0	530	35.5	56.0	18-35.5	72	5	150	271.00	44.10000

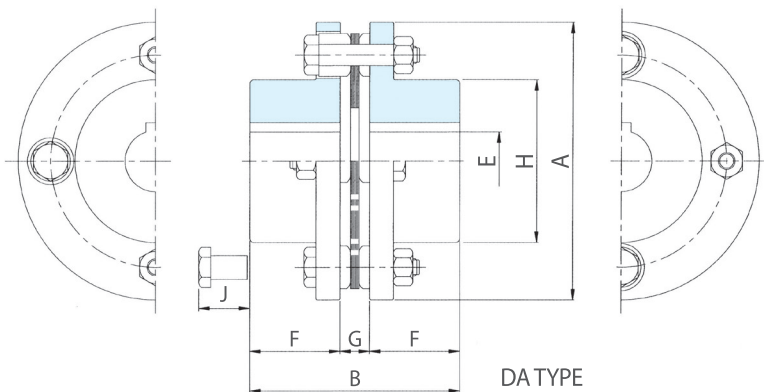
+ DISC COUPLING

Distinctive Features

1. No backlash and high torsional stiffness, it's used in the field of position control mainly.
2. No moving parts are in disc coupling therefore lubrication is not necessary.
3. The flexible element plate packs of stainless steel are integral components, easily visible, ready inspected and can be installed without difficulty.
4. Disc couplings are used all types of industries and using temperature to 280°C are permissible.
5. When a severe over load may damage to couplings parts, the system is safe cause of washer which is brige of power of rotation.

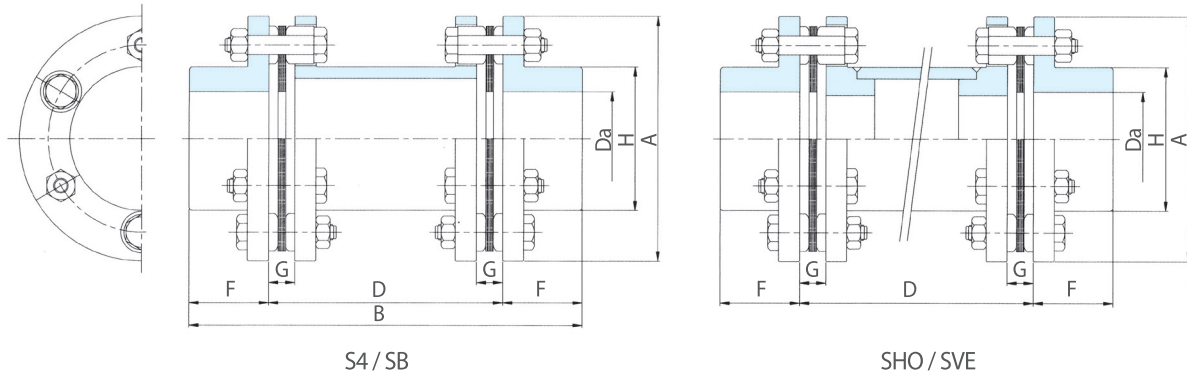
Application

Machine tools with CNC / Cooling Tower / Indexing system
Agitator / Pump / Woodworking machinery



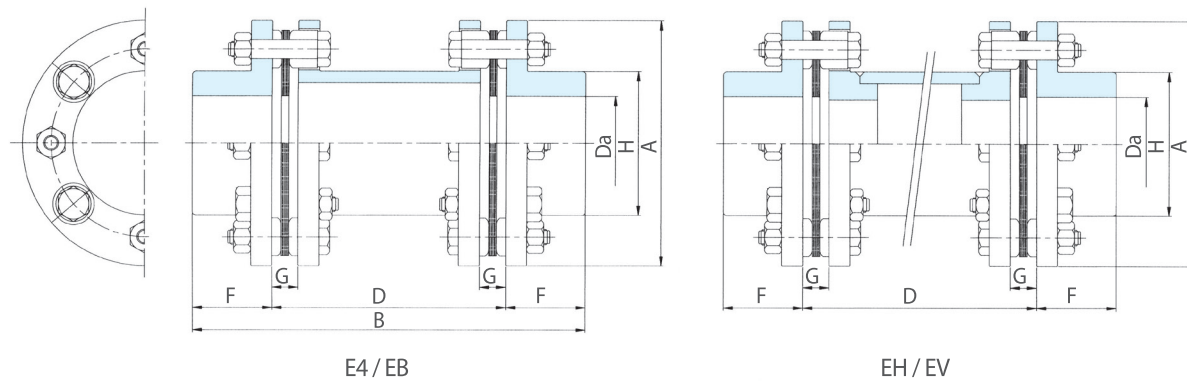
DA Type - 4 Bolts

SIZE No.	Allowable Torque(kgf.m)				Maximum allowable Radial Load	(1) Max. Speed (r.p.m)	Weight W (kg)	GD ² (kgf.cm ²)	A (mm)	B (mm)	Rough BoreSize (mm)	Emax (mm)	F (mm)	G (mm)	H (mm)	J (mm)
	NO Radial Load	1/2 Radial Load	2/3 Radial Load	Maximum Radial Load												
05	3.4	1.5	1.2	0.8	15	47,000	0.6	8	67	56.1	8	23	25.0	6.1	33	15
10	9.2	4.1	3.2	2.3	25	39,000	1.1	24	81	56.6	10	32	25.0	6.6	46	16
15	18.0	8.1	6.3	4.5	56	34,000	1.7	48	93	66.4	10	35	29.0	8.4	51	25
20	25.0	11.3	8.7	6.0	83	30,000	2.5	80	104	79.2	10	42	34.0	11.2	61	20
25	43.0	19.3	16.0	11.0	120	25,000	4.3	224	126	93.7	16	50	41.0	11.7	71	25
30	79.0	35.5	27.6	20.0	180	22,000	6.9	440	143	107.7	16	58	48.0	11.7	84	28
35	130.0	58.5	45.5	32.5	270	19,000	11.3	1,080	168	130.8	25	74	57.0	16.8	106	24
40	210.0	94.5	73.4	52.5	380	16,000	16.7	2,080	194	145.0	25	83	64.0	17.0	119	30
45	340.0	153.0	119.0	85.0	450	15,000	22.7	3,520	214	173.6	45	95	76.0	21.6	137	22
50	500.0	225.0	171.0	125.0	610	13,000	35.4	7,200	246	201.9	50	109	89.0	23.9	157	23
55	650.0	292.0	227.0	163.0	770	11,000	52.0	12,800	276	230.4	50	118	101.6	27.2	170	40



S Type- 6 Bolts

SIZE	Rated Torque (kgf-m)	Max. Speed (rpm)	Dimension(mm)						S4	SHO, SVE	Cplg WT(kg)	GD ² (kgf.cm ²)	Shaft Line Displacement	Bolt Joint Torque (kg.m)
			Max. bore da	A	B	F	G	H	D	D				
00	58	26,000	51	119	168	54	10.3	74	60	97	6.0	0.03	3.0	2.2
01	94	23,000	55	137	198	63	11.0	81	72	110	9.1	0.06	3.4	4.2
02	174	19,000	67	161	238	74	12.0	97	90	129	16.9	0.14	3.6	7.3
03	341	17,000	72	180	269	80	14.0	104	109	141	22.6	0.25	4.2	15.9
04	500	15,000	85	212	308	95	17.0	124	118	150	35.1	0.59	4.5	22.1
05	620	11,600	111	276	377	112	17.5	161	153	255	36.1	1.80	3.9	22.1
10	840	11,600	111	276	377	112	19.0	161	153	258	66.1	1.90	3.9	22.1
15	1,090	10,300	133	308	440	134	19.0	193	172	278	107.8	3.70	4.2	45.0
20	1,820	9,200	152	346	497	153	22.5	218	191	283	156.1	6.70	4.8	58.0
25	2,690	8,500	165	375	553	165	28.0	240	223	308	211.8	10.60	5.2	110.0
30	3,410	7,800	178	410	610	178	31.0	258	254	319	274.5	16.50	5.4	150.0
35	4,070	7,200	187	445	646	188	31.0	272	270	349	333.3	23.90	5.6	170.0
40	4,720	6,800	205	470	686	206	34.0	297	274	342	399.2	30.70	6.3	170.0
45	6,100	6,200	231	511	749	231	35.5	334	287	364	525.3	48.00	6.7	170.0
50	7,620	5,700	254	556	800	254	37.0	364	292	365	676.3	72.90	7.3	310.0
55	9,440	5,400	263	587	839	264	37.5	382	311	408	803.4	100.60	7.8	360.0



E Type- 8 Bolts

SIZE	Rated Torque (kgf-m)	Max. Speed (rpm)	Dimension(mm)						E4	EH, EV	Cplg WT(kg)	GD ² (kgf.cm ²)	Shaft Line Displacement	Bolt Joint Torque (kg.m)
			Max. bore da	A	B	F	G	H	D	D				
01	392	15,000	95	214	333	108	12.2	137	117	240	38.0	0.65	2.1	7.3
03	726	13,000	108	246	369	121	13.7	156	127	269	55.5	1.24	2.1	15.9
05	915	11,600	111	276	421	134	17.5	161	153	255	72.2	1.80	2.1	22.1
10	1,100	11,600	111	276	421	134	19.0	161	153	258	73.3	1.80	2.1	22.1
15	1,570	10,300	133	308	492	160	19.0	193	172	278	119.7	3.70	2.4	45.0
20	2,610	9,200	152	346	557	183	22.5	218	191	283	174.3	6.80	2.9	58.0
25	3,850	8,500	165	375	619	198	28.0	240	223	308	233.8	10.80	3.1	110.0
30	4,810	7,800	178	410	682	214	31.0	258	254	319	305.3	16.70	3.3	150.0
35	5,820	7,200	187	445	720	225	31.0	272	270	339	367.4	25.00	3.6	170.0
40	6,570	6,800	205	470	768	257	34.0	297	274	342	447.5	31.10	4.0	170.0
45	8,530	6,200	231	511	843	278	36.5	334	287	364	591.6	48.00	4.5	170.0
50	10,530	5,700	254	556	902	305	37.0	364	292	365	761.4	74.70	5.0	310.0
55	13,070	5,400	263	587	945	317	37.5	382	311	408	901.9	101.60	5.2	360.0

Power Transmission **Manufacturing**

+CHAIN COUPLING



+ CHAIN COUPLING



SANGYONG flexible roller chain coupling give high efficiency in as connecting directly two shafts for the transmission of power.

The roller chain couplings consist of three major parts with hardened teeth sprockets and one RS double standard roller chain.

They offer the following characteristics.

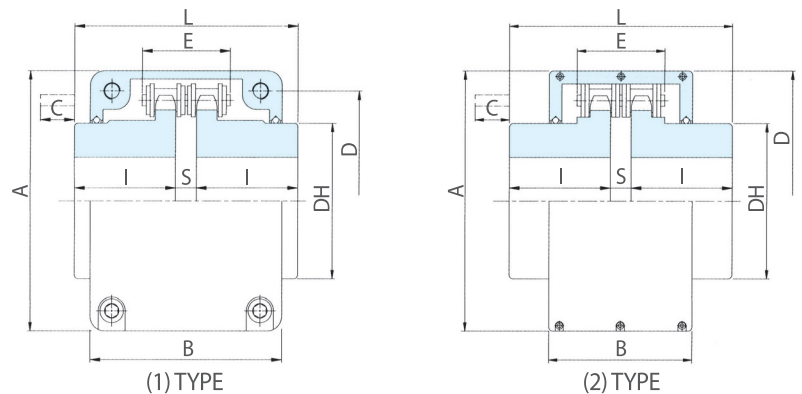
1. Easy assembly and disassembly.
2. Long service life.
3. Protection for misalignment.
4. Easy installation and maintenance.

Coupling Casings

Casings are recommended for use with all couplings because they prevent lubricant from scattering and extend the service life.

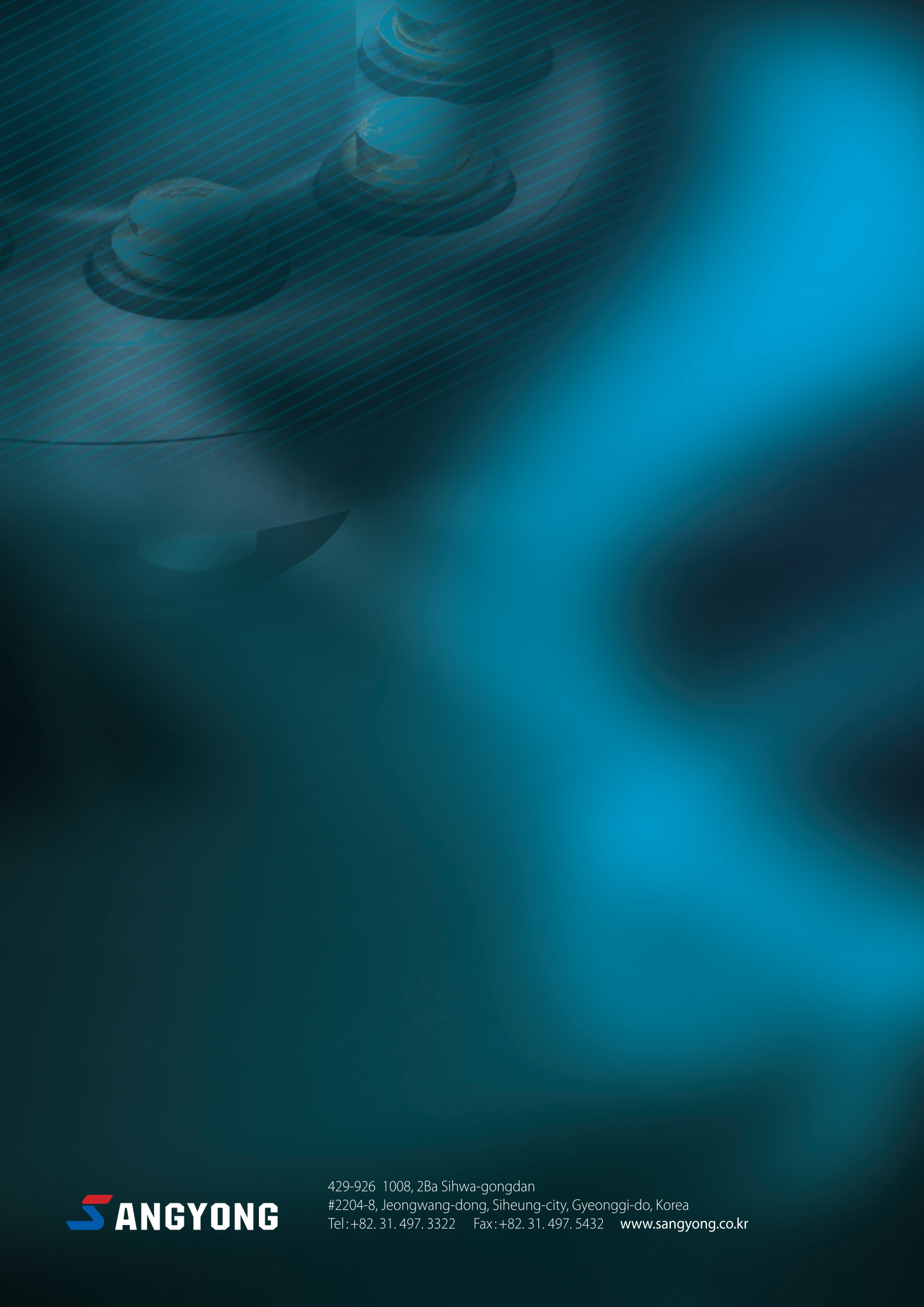
Under the following conditions, casings are highly recommended for use with couplings.

1. Abrasive or corrosive atmosphere.
2. High revolution.
3. Revolving casings are made of strong aluminum alloy and light in weight.



Chain Coupling Specification

Coupling No.	Type	Bore		Chain		D	DH	L	I	S	C	Weight (kg)	Case			
		Min.	Max.	Picth	Width (Max)E								Type	A	B	Weight (kg)
SY 4012	1	12	22	12.700	33.1	61	35	79.4	36	7.4	10	0.8	1	75	75	0.38
SY 4016	1	16	32	12.700	33.1	77	50	87.4	40	7.4	6	1.6	1	92	75	0.56
SY 5016	1	18	40	15.785	41.0	96	60	99.7	45	9.7	12	2.8	1	111	85	0.76
SY 5018	1	18	45	15.785	41.0	106	70	99.7	45	9.7	12	3.6	1	122	85	0.92
SY 6018	1	22	56	19.050	51.1	128	85	123.5	56	11.5	15	6.5	1	142	106	1.40
SY 6022	1	28	71	19.050	51.1	152	110	123.5	56	11.5	15	10.3	1	167	106	1.70
SY 8018	1	32	80	25.400	65.3	170	115	141.2	63	15.2	30	13.8	1	186	130	2.30
SY 8022	1	40	100	25.400	65.3	203	140	157.2	71	15.2	22	21.7	1	220	130	2.70
SY 10020	1	45	110	31.750	80.3	233	160	178.8	80	18.8	30	32.6	1	250	148	4.00
SY 12018	1	50	125	38.100	101.1	256	170	202.7	90	22.7	50	43.9	1	307	181	6.80
SY 12022	1	56	140	38.100	101.1	304	210	222.7	100	22.7	40	69.0	1	357	181	8.40
SY 16018	1	63	160	50.800	129.7	341	224	254.1	112	30.1	68	96.3	1	406	220	14.70
SY 16022	1	80	200	50.800	129.7	405	280	310.1	140	30.1	40	166.8	1	472	250	17.20
SY 20018	2	88	205	63.500	159.0	426	294	519.5	241	37.5	0	294.4	1	496	280	22.20
SY 20022	2	98	260	63.500	159.0	507	374	519.5	241	37.5	0	461.6	1	578	280	26.60
SY 24022	2	120	310	76.200	194.9	608	420	751.1	353	45.1	0	871.4	2	725	355	-
SY 24026	2	150	380	76.200	194.9	705	520	751.1	353	45.1	0	1276.4	-	-	-	-
SY 32022	2	200	430	101.600	263.0	806	570	860.1	400	60.1	0	1791.2	-	-	-	-



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