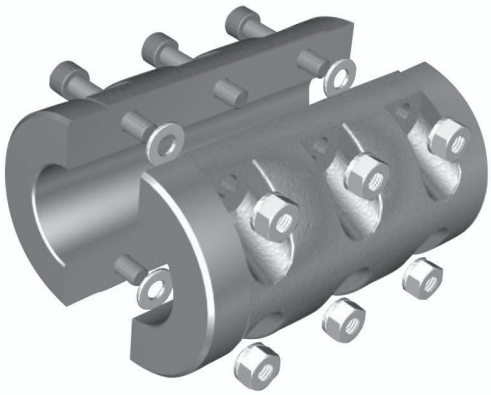
FLEXIBLE

COUPLING

MUFF COUPLING



The biggest advantage of the *Jac* MUFF coupling is that it uses standard meterial FCD45(JIS) instead of FC(JIS).

■ Distinctive Features

1. Muff Coupling is designed as a dividing structure, therefore, it is easy to assemble, disassemble and removal from the shaft.

2. The system is fixed, therefore there is no backlash.

3. Because of a modified design, it transmits more torque. Much better than any other coupling

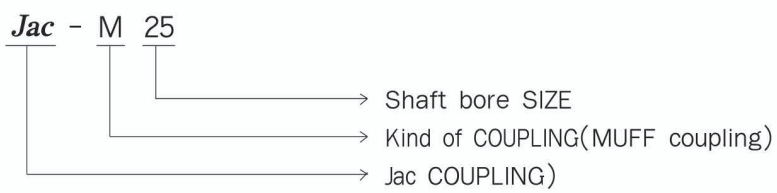
4. Basic Construction:
   Designed to insert the KEY(WAY) to the CLAMP accordingly,

5. Muff Coupling comes in a standard range of diameters from ø 25 to ø 120. Each size is standardized by KS and JIS.

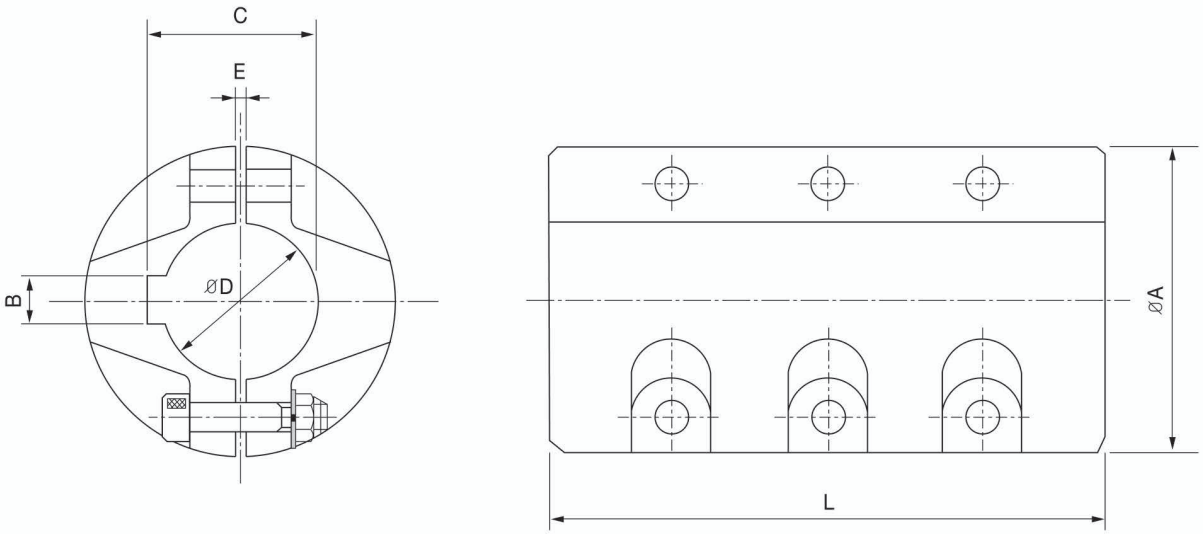
■ Application

Muff Coupling(MC) is suitable to be installed for crain & hoist, conveyance agitator, sluice, iron manufacturing works, and to connect long length line shafts.

■ Disignation

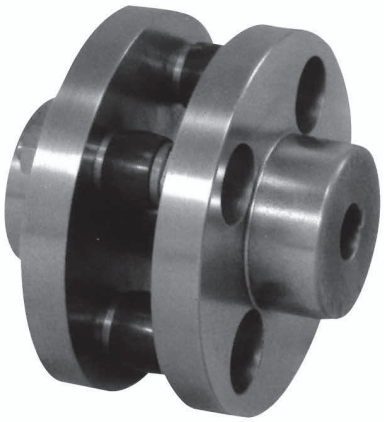


■ Dimensions & technical Data



SIZE	Bore ø D(H8)	A	L	KEY WAY			E	BOLT	TORQUE (kgf.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 170	278	24	93.0	24 × 16	2.5	6-M16 × 55L	435	27.4
J-M90	ø 90H8	ø 180	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

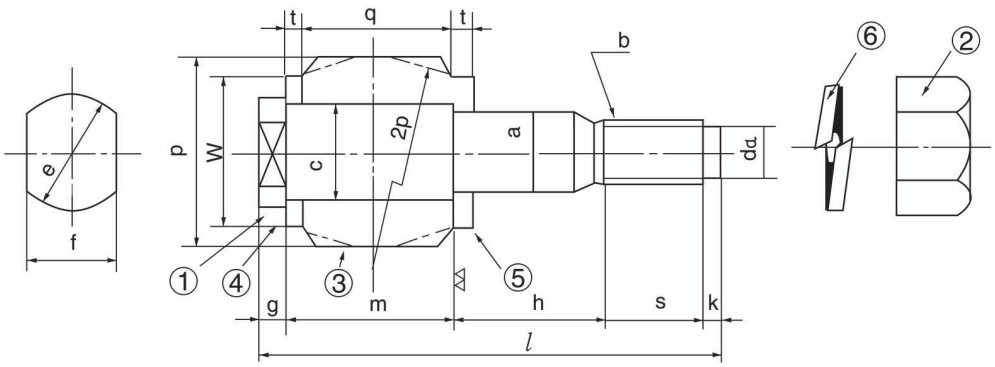
FLANGE & BRAKE DRUM COUPLING



■ Distinctive Features

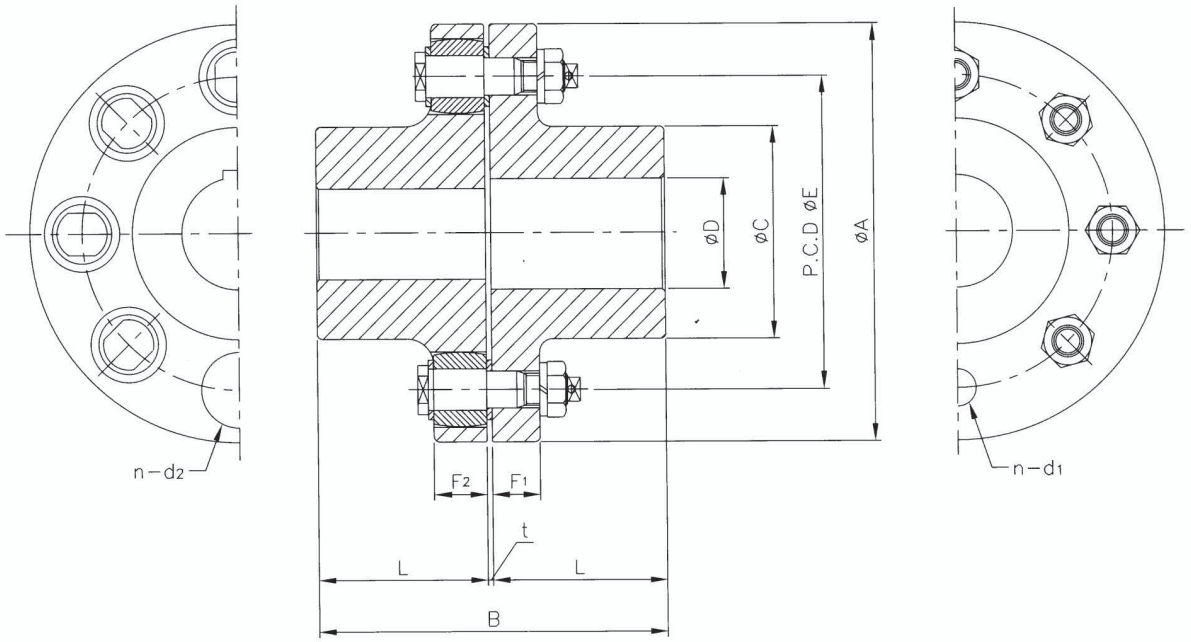
1) It transmits power smoothly.
2) It has availiable absorption of shock load and vibration.
3) The power pressing shaft does not occur from coupling.
4) Easy and simple installation and maintenance.
5) Simple construction and complete flexibility.

■ Bolt Dimensions



NO	Size	Thread	①Bolt												②Washer			③Bush			④Washer		
	ø a× l	d	øa_1	ø a	ød_1	e	f	g	h	s	k	m	l	x	a_1	t	ø w	øa_1	p	q	ø a	t	ø w
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

■ Dimensions

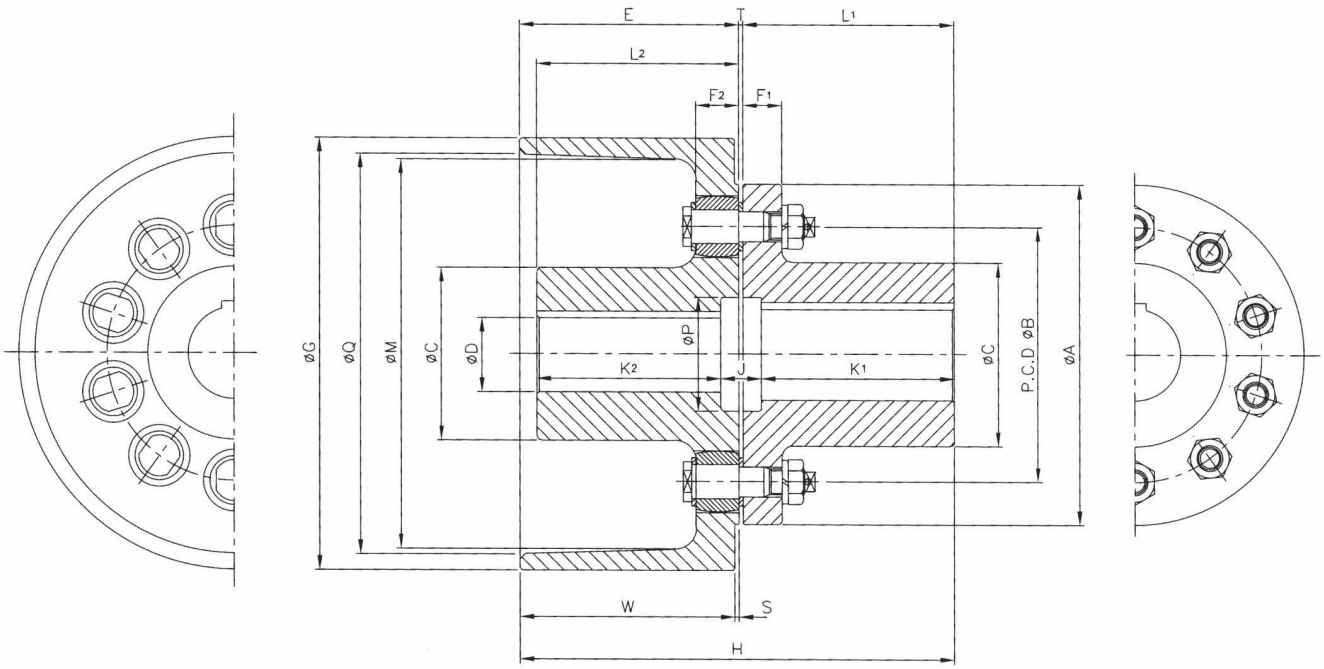


Size	HP Per 100 (rpm)	Max Speed (rpm)	Basic torque (kgf · cm)	Bore(mm) max. D1	Bore(mm) max. D2	Bore(mm) min.	Dimensions(mm) A	B	C1	C2	E	F1	F2	L	t	Bolt Hole n	d1	d2	Coupling weight (kg)
90A	0.07	4,000	50	20		—	90	59	35.5		60	14	14	28		4	8	19	1.4
100A	0.14	4,000	100	25		—	100	74	42.5		67	16	16	35.5		4	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	3	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		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	4	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		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	5	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 Weight, Without Bore machining.

■ Dimensions

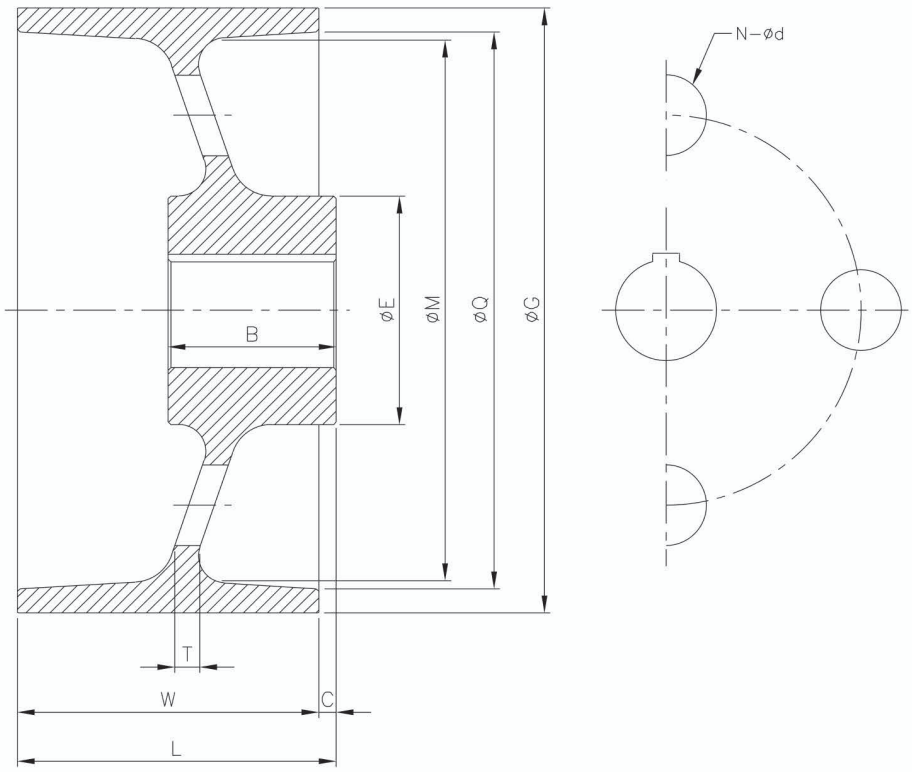
Brake Drum Coupling (BWC)



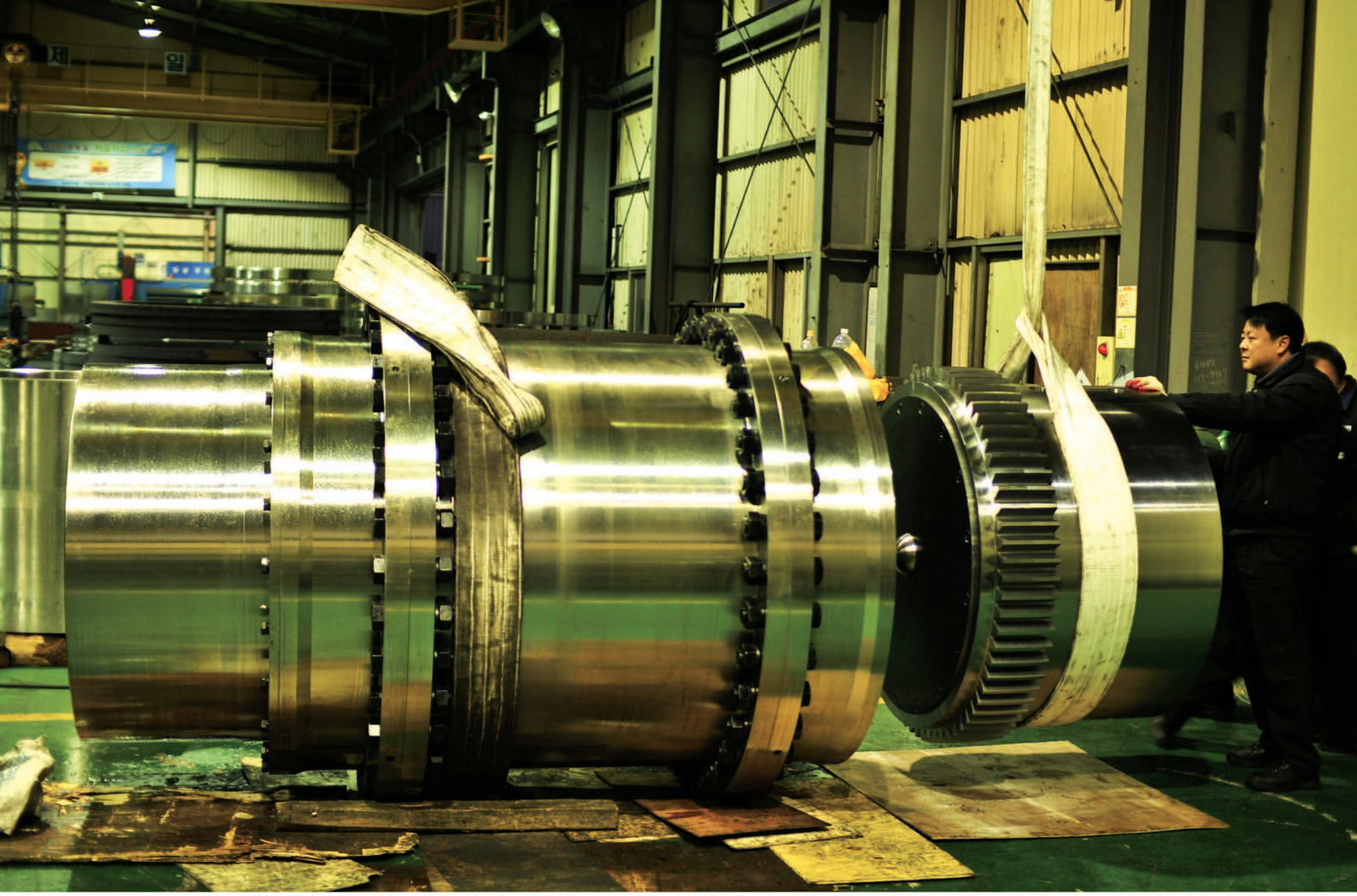
Size	Dimensions(mm)																		Weight (kg)	GD² (kgf·m²)
	Bore ø D		ø G	W	S	E	L_1	L_2	H	T	ø C	K_1	K_2	J	ø P	ø M	ø Q	ø A		
	Min.	Max.																		
BWC 160	20	37	160	80	4	84	95	76	182	3	63	82	63	29	43	140	145	140	9	0.20
BWC 200	28	53	200	100	4	104	128	96	235	3	90	112	80	35	60	178	184	180	19	0.30
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

■ Dimensions

Brake Drum (BW)



Size	Dimensions(mm)												Weight (kg)	GD² (kgf·m²)
	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



Jac coupling

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