



M.W.A. WELDING (THAILAND) CO., LTD.

68/88 Moo6 Saothonghin Bangyai Nonthaburi 11140, Thailand

Tel: +662-9030911-2 Fax: +662-9030916

Email: mwathailand@hotmail.com



UNIVERSAL JOINTS



- Designed complex and operate continuously with high torque loads and high misalignment
- Resists lubrication loss and contamination
- Available to be used either as a single and pairs joint
- Correct for any non-uniform angular velocity



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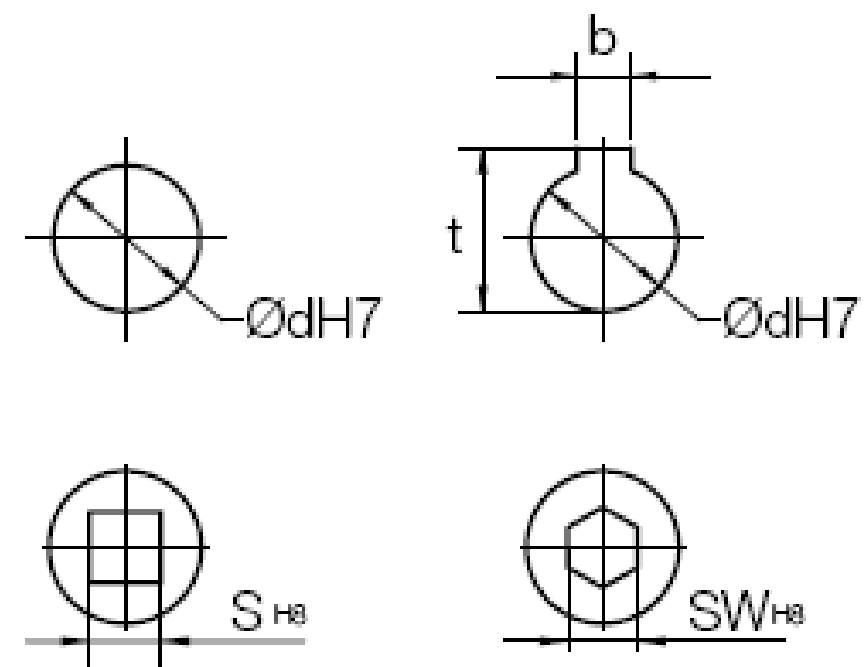
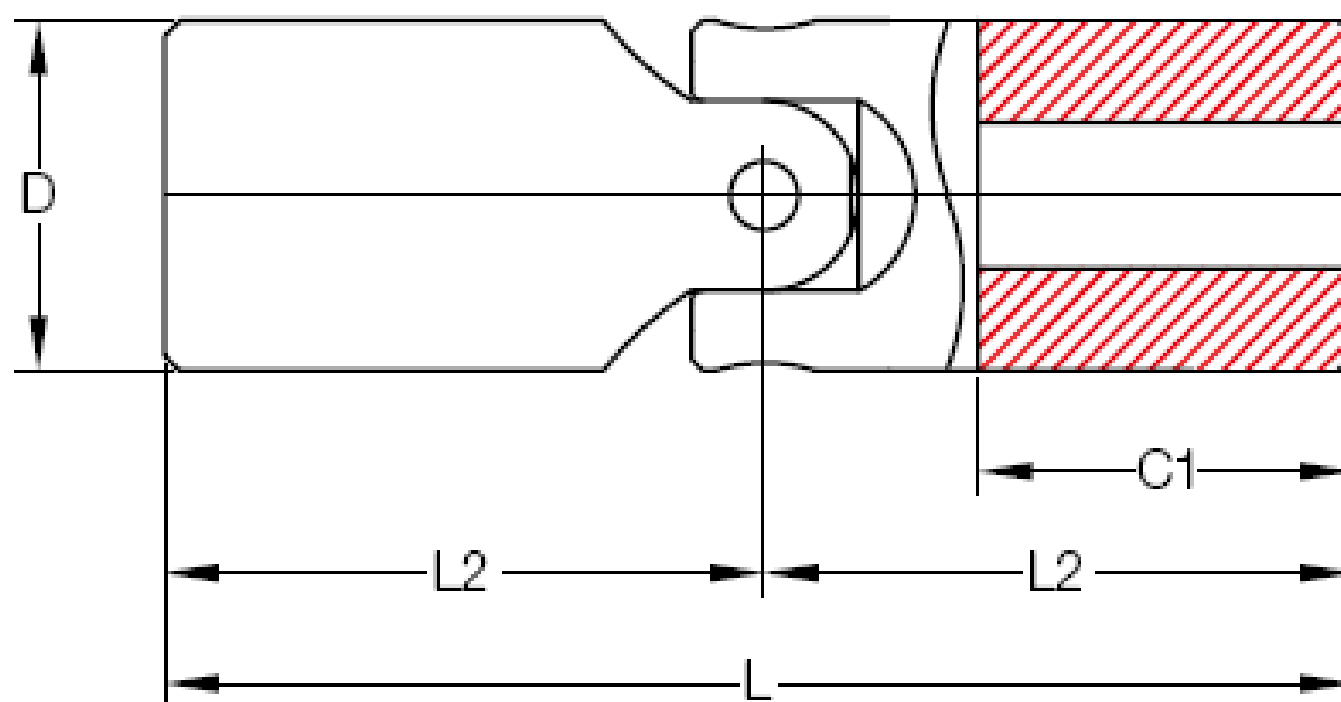
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Type KL

Small UNIVERSAL JOINT COUPLING

Dimensions-Millimeters



KL Type Single Size	Dimensions (Millimeters)										
	dH7	D	D1	L	L1	C1	C2	C3	S	SW	BXT
100	5	10	-	40	-	13	-	-	-	-	-
101	6	13	-	40	-	13	-	-	6	-	-
102	8	16	-	40	-	10	-	-	8	-	2 x 9
103	10	20	-	62	-	19	-	-	10	10	3 x 11.4
104	12	25	25	74	86	23	19	33	12	12	4 x 13.8
105	14	29	25	74	95	23	21	33	14	14	5 x 16.3
106	16	32	32	86	104	26	21	35	16	16	5 x 18.3
107	18	37	37	120	180	41	54	39	18	18	6 x 20.8
108	20	40	40	108	128	32	21	46	20	20	6 x 22.8
109	22	47	47	130	200	41	54	46	22	-	6 x 24.8
110	25	50	50	132	163	41	25	59	25	25	8 x 28.3
111	30	58	58	166	182	52	30	66	30	30	8 x 33.8
112	35	70	70	140/200	212/310	35/65	30/79	78			
113	40	80	80	160/228	245/350	42/76	38/90	95			
114	50	95	95	190/270	290/426	54/94	50/118	120			

* Coupling Weight is without Bore Machining

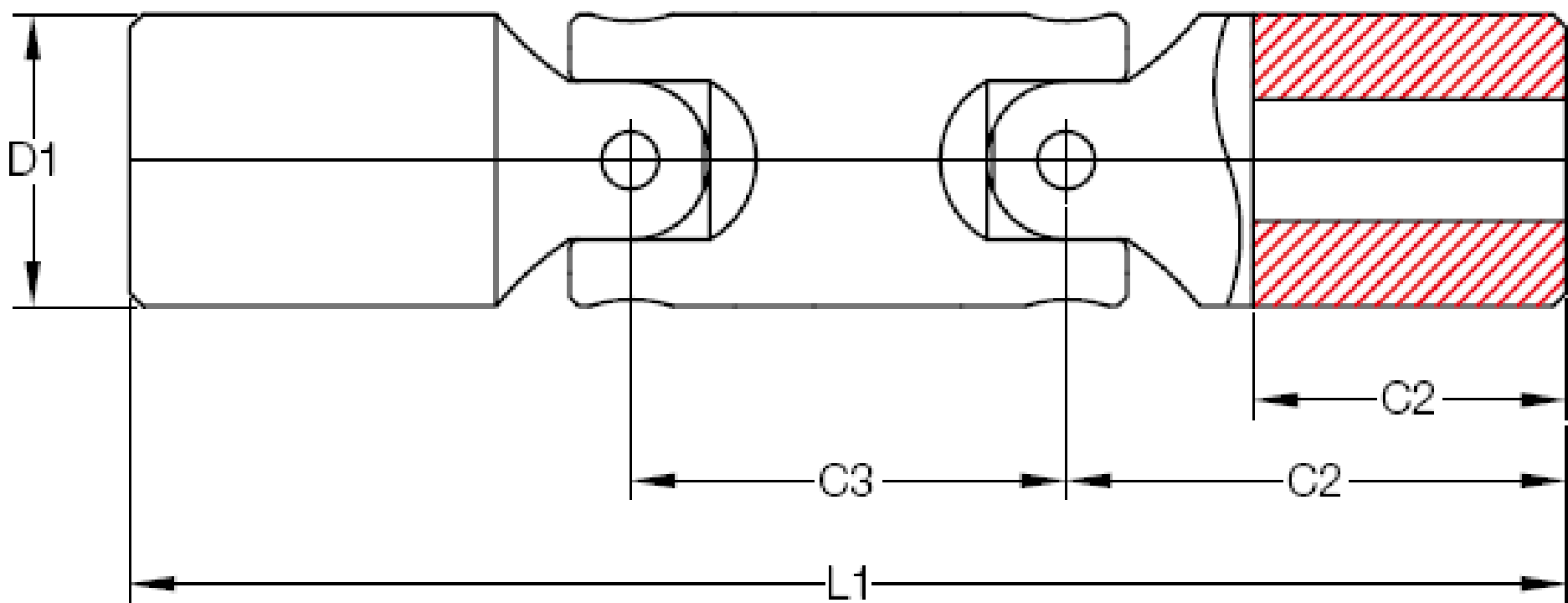


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Type KLD

Small UNIVERSAL JOINT COUPLING
Dimensions-Millimeters



KLD Type Double Size	Dimensions (Millimeters)										
	dH7	D	D1	L	L1	C1	C2	C3	S	SW	BXT
-	5	10	-	40	-	13	-	-	-	-	-
-	6	13	-	40	-	13	-	-	6	-	-
-	8	16	-	40	-	10	-	-	8	-	2 x 9
-	10	20	-	62	-	19	-	-	10	10	3 x 11.4
104	12	25	25	74	86	23	19	33	12	12	4 x 13.8
105	14	29	25	74	95	23	21	33	14	14	5 x 16.3
106	16	32	32	86	104	26	21	35	16	16	5 x 18.3
107	18	37	37	120	180	41	54	39	18	18	6 x 20.8
108	20	40	40	108	128	32	21	46	20	20	6 x 22.8
109	22	47	47	130	200	41	54	46	22	-	6 x 24.8
110	25	50	50	132	163	41	25	59	25	25	8 x 28.3
111	30	58	58	166	182	52	30	66	30	30	8 x 33.8
112	35	70	70	140/200	212/310	35/65	30/79	78			
113	40	80	80	160/228	245/350	42/76	38/90	95			
114	50	95	95	190/270	290/426	54/94	50/118	120			

* Coupling Weight is without Bore Machining

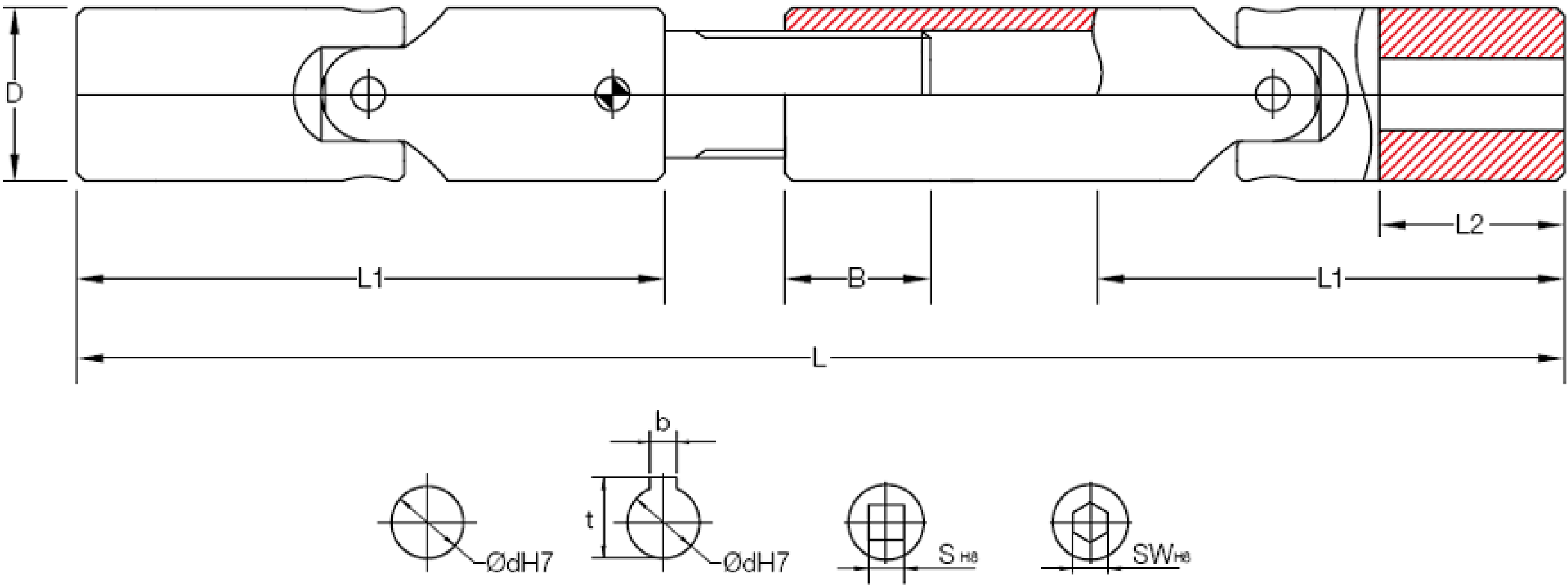


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Type KLS

Small UNIVERSAL JOINT COUPLING
Dimensions-Millimeters



Size	Dimensions (Millimeters)							
	dH7	D	L1	L2	B	S	SW	BXT
203	10	22	45	10	40	10	10	3 x 11.4
204	12	25	50	11	45	12	12	4 x 13.8
205	14	29	56	13	48	14	14	5 x 16.3
206	16	32	65	15	50	16	16	5 x 18.3
207	18	37	72	17	51	18	18	6 x 20.8
208	20	40	82	19	56	20	20	6 x 22.8
209	22	47	95	22	60	22	22	6 x 24.8
210	25	50	108	27	69	25	25	8 x 28.3
211	30	58	122	30	70	30	30	8 x 33.8
212	35	70	140	35	70	35	35	10 x 38.3
213	40	80	160	42	75	40	40	12 x 43.3
214	50	95	190	54	80	50	50	14 x 53.8

* Coupling Weight is without Bore Machining



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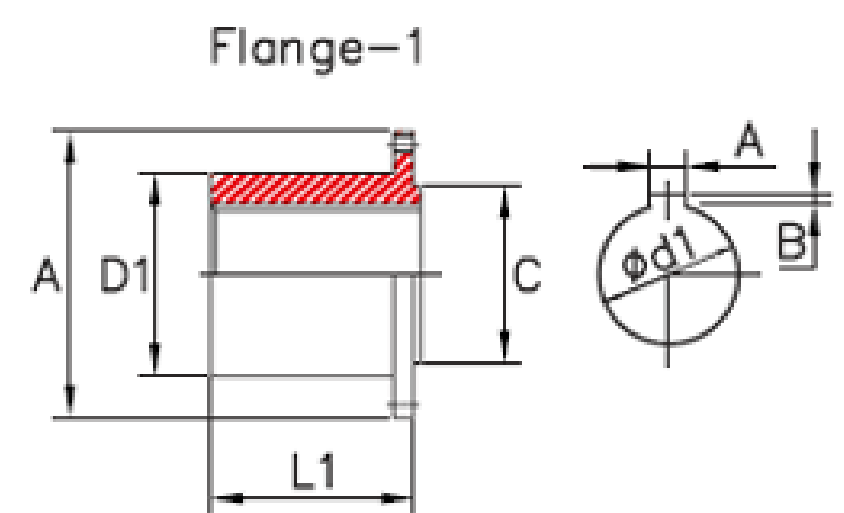
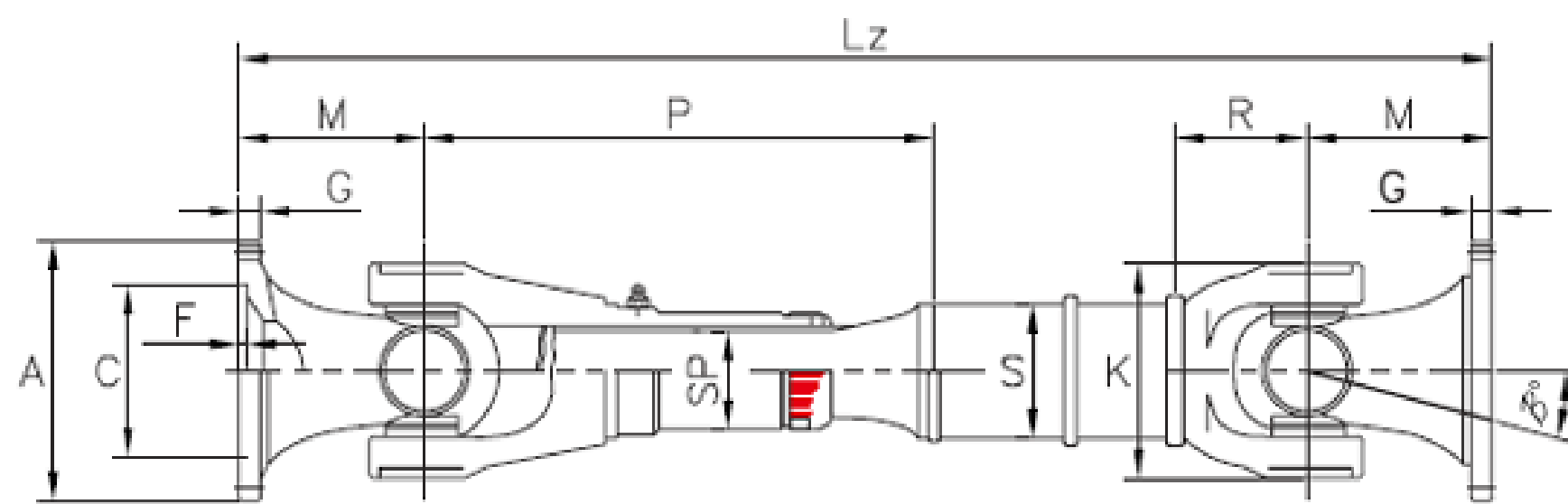
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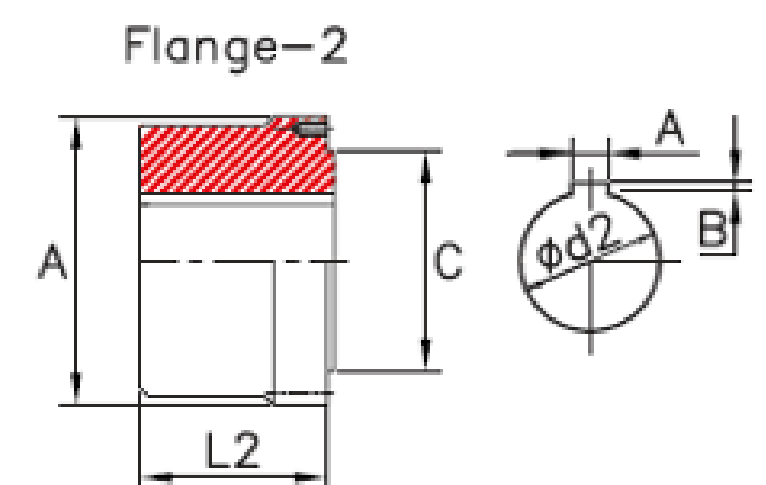
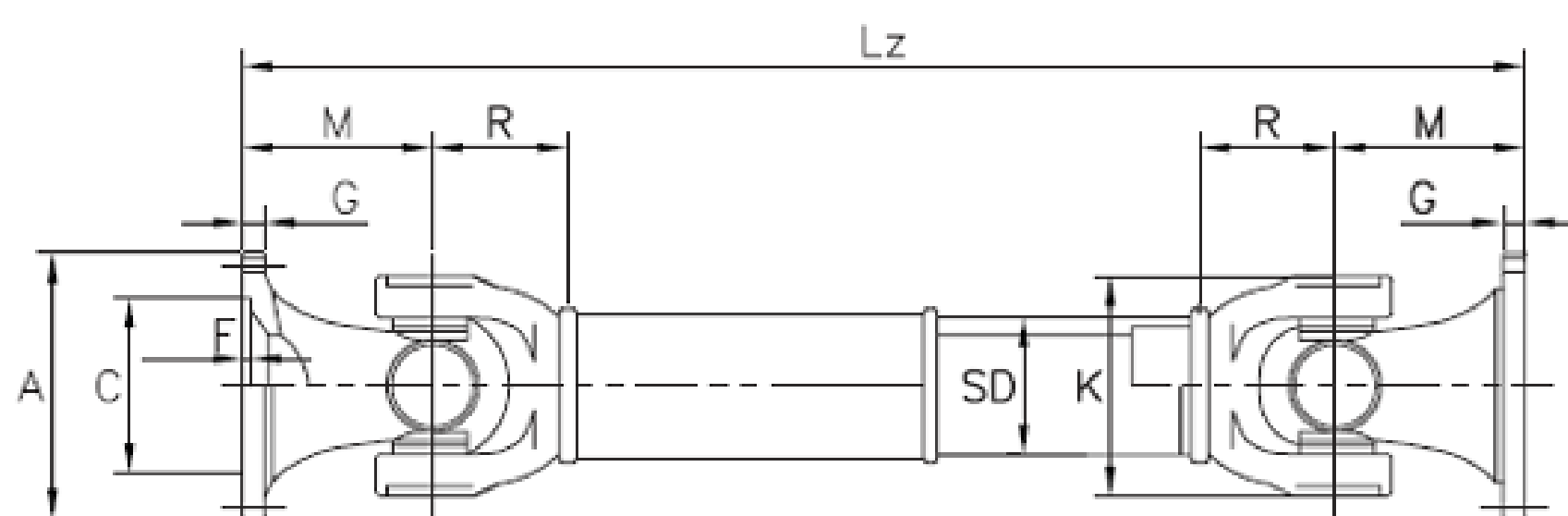
Email: mwathailand@hotmail.com

Type KTL

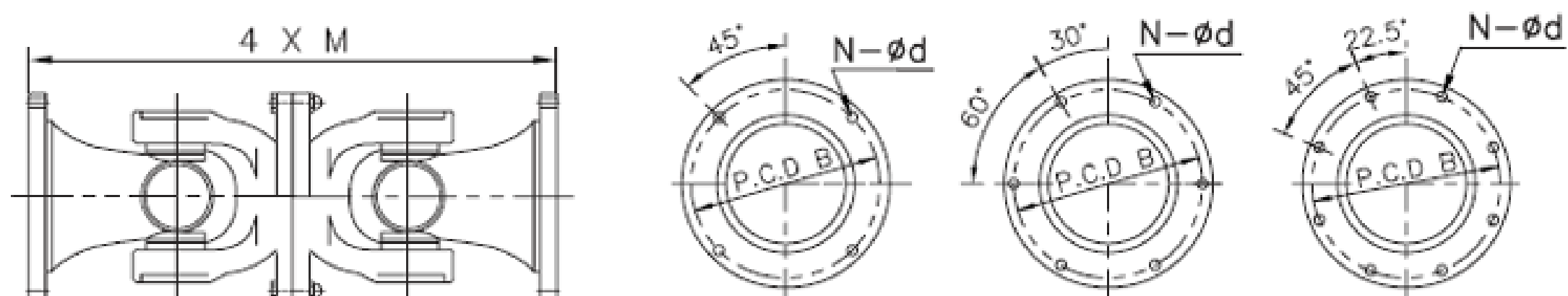
(Series 1,250kgf.m~10,000kgf.m)



KTL-000-2



KTL-000-1



Size	Din	Torque		Angle	Dimensions (Millimeters)													Length	Spline Stroke		Flange					Bolt Size		
		TDW (Kgfl.m)	TK (Kgfl.m)		B°	A	B PCD	øC H7	F	G	M	P	R	SP	øS	øK	N		ød	LZ Min	+	-	1				2	
																							ød1	øD	L1		ød2	L2
58	373.20	11	15	30°	58	47.0	30	1.5	3.5	32.0	127	36.0	21.0	32.0	52	4	5	250	14	14	20	35	30	35	56	M5 x 14L		
65	373.20	15	25	30°	65	52.0	35	2.0	4.5	35.5	142	36.0	21.0	32.0	60	4	6	250	14	14	25	40	40	40	63	M6 x 18L		
75	273.30	40	55	30°	75	62.0	42	2.0	5.5	45.0	169	45.0	33.0	50.8	70	4	6	310	20	15	30	50	48	45	70	M6 X 20I		
90	287.00	70	90	25°	90	74.5	47	2.5	6	50.0	180	42.5	35.0	50.8	96	4	8	375	25	15	35	55	55	55	90	M8 x 25L		
100	287.10	95	125	25°	100	84.0	57	2.5	7	50.0	180	42.5	35.0	63.5	96	6	8	410	30	15	40	64	63	60	90	M8 x 25L		
120	287.20	150	185	20°	120	101.5	75	2.5	8.5	80.0	300	55.0	42.0	76.3	115	8	10	500	35	20	50	80	80	70	110	M10 x 30L		
150	287.30	350	480	20°	150	130.0	90	3.0	10	80.0	300	75.0	54.0	90.0	142	8	12	580	40	20	60	105	90	90	140	M12 x 40L		
160	287.30	350	480	20°	160	140.0	100	4.0	10	80.0	300	75.0	54.0	90.0	142	8	12	600	40	26	70	115	110	95	160	M12 x 40L		
180	287.40	520	670	22°	180	155.5	110	3.0	12	80.0	300	80.0	63.5	101.6	182	8	14	600	45	33	80	125	125	110	180	M14 x 45L		
200	287.40	520	670	22°	200	175.0	125	5.0	14	116.0	355	102.0	60.0	101.6	185	8	14	660	45	33	85	130	140	120	180	M14 x 45L		
225	287.40	900	1170	22°	225	196.0	140	5.0	15	108.0	450	115.0	82.0	120.0	205	8	16	730	50	40	100	160	160	135	220	M16 x 50L		

* Coupling Weight is without Bore Machining



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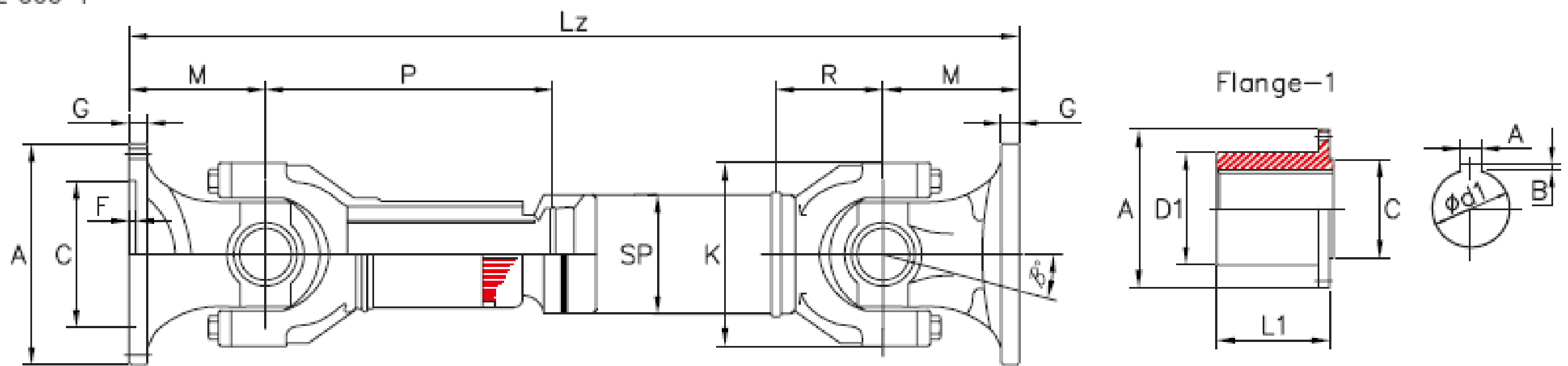
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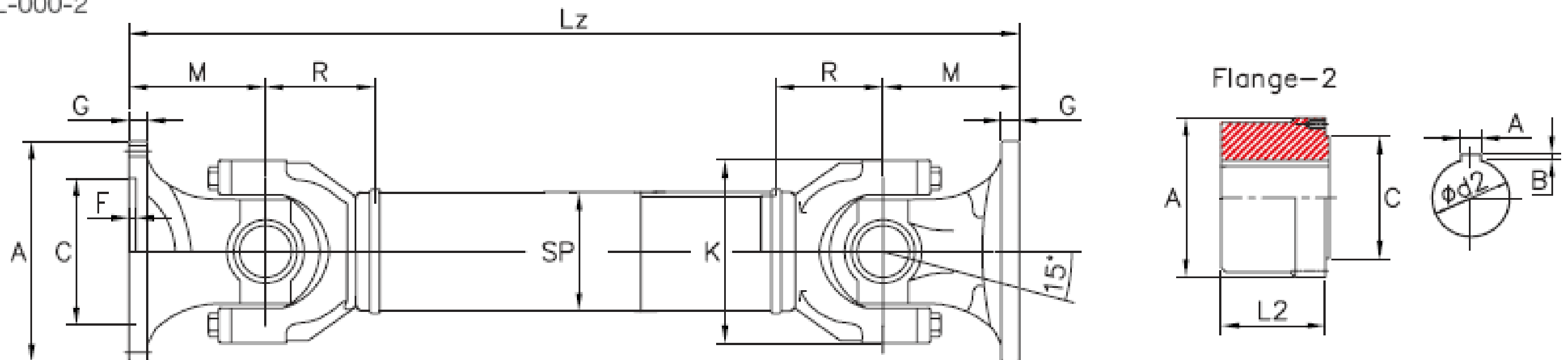
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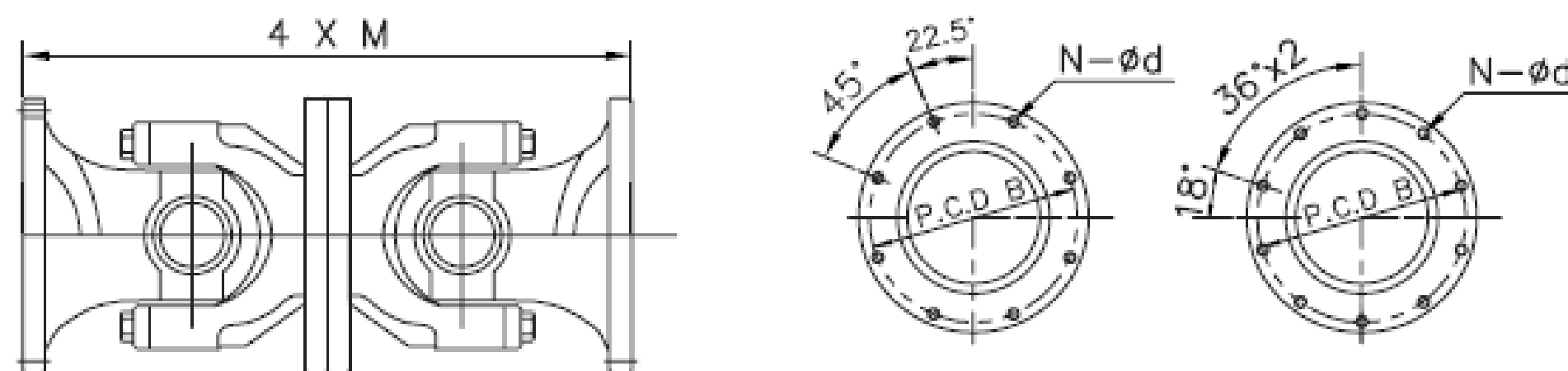
KTKL-000-4



KTKL-000-2



KTKL-000-1



Size	Din	Torque		Angle	Dimensions (Millimeters)														Length	Spline Stroke	Flange			Bolt Size
		TDW (Kg.f.m)	TK (Kg.f.m)		B°	A	B PCD	øC H7	F	G	M	P	R	SP	ØS	ØK	N	Ød			LZ Min	+	ød1	
200	-	1,250	1,650	15°	200	172	95	1.5	15	130	377	148	82	120	225	8	14.5	790	75	70	130	105	M5 x 14L	
225	190.50	1,250	1,800	15°	225	196	140	2.0	15	108	377	148	82	120	225	8	16.5	790	75	90	160	135	M6 x 18L	
250	190.55	1,750	2,275	15°	250	218	140	2.0	18	130	470	175	100	140	250	8	18.5	960	90	100	180	150	M6 X 20L	
285	190.60	2,650	3,700	15°	285	245	175	2.5	20	135	509	190	100	160	285	8	20.5	1,030	100	110	200	165	M8 x 25L	
315	190.65	3,750	5,200	15°	315	280	175	2.5	22	150	640	210	130	190	315	8	22.5	1,220	120	120	215	180	M8 x 25L	
350	190.70	5,350	7,200	15°	350	310	220	2.5	25	170	705	240	150	215	350	10	22.5	1,360	135	130	240	195	M10 x 30L	
390	190.75	7,300	9,400	15°	390	345	250	3.0	28	190	775	260	160	244	390	10	24.5	1,490	150	140	270	210	M12 x 40L	
435	190.80	10,000	13,600	15°	435	385	280	4.0	32	210	840	280	180	267	435	10	27.5	1,620	170	150	300	225	M12 x 40L	

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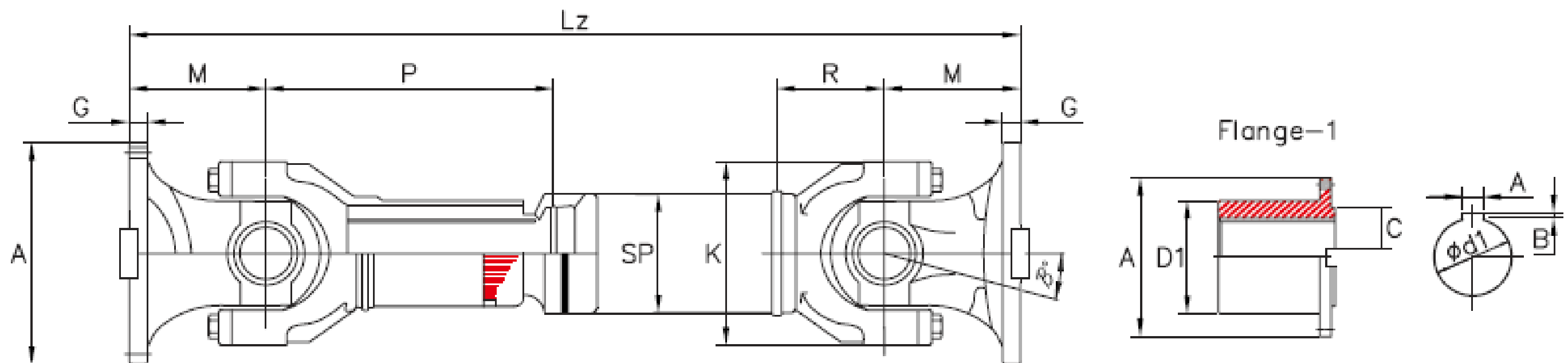
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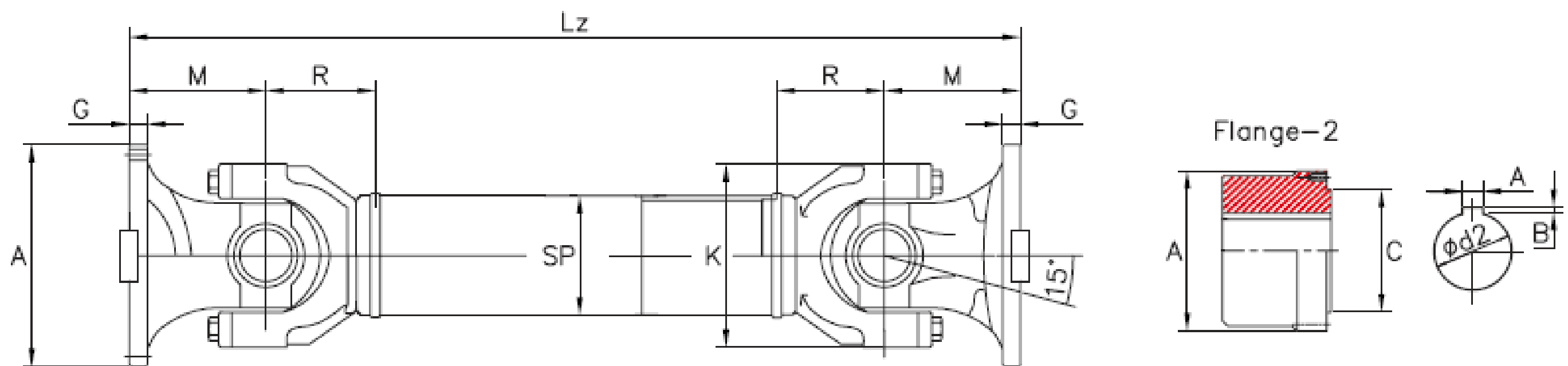
Type KTKS



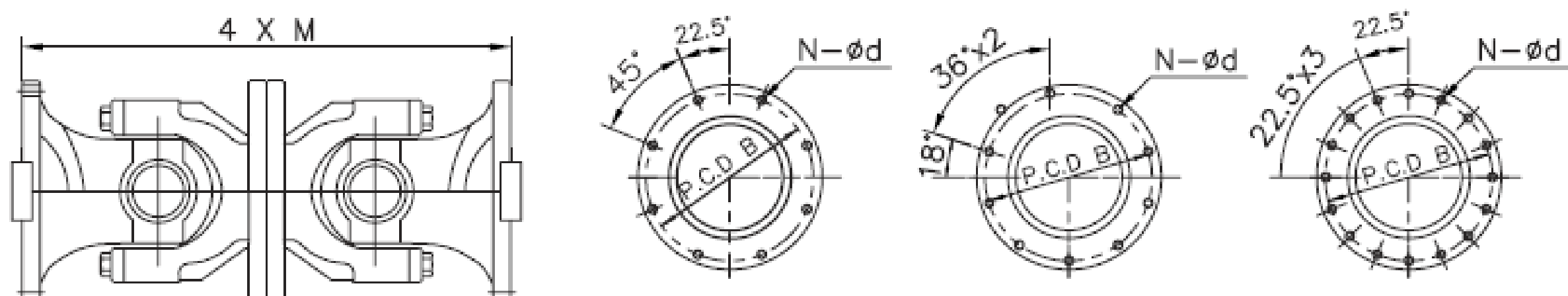
KTKS-000-4



KTKS-000-2



KTKS-000-1



Size	Din	Torque		Angle B°	Dimensions (Millimeters)															Length LZ Min	Spline Stroke +	Flange			Bolt Size
		TDW (Kgf.m)	TK (Kgf.m)		A	B PCD	φC H7	F	G	M	P	R	SP	ØS	ØK	N	Ød	X	Y			ød1	ød	L1	
200	-	1,850	2,405	10°	200	172	95	5	20	135	420	160	100	140.0	200	8	15.5	40	10.0	850	80	70	130	105	M16 x 60L
225	192.50	1,850	4,400	10°	215	196	105	5	20	135	475	175	100	152.0	225	8	17.5	32	9.0	965	85	90	160	135	M16 x 60L
250	192.55	2,600	3,380	10°	250	218	105	6	25	135	590	190	100	170.0	250	8	19.5	40	12.5	1,035	90	100	180	150	M18 X 75L
285	192.60	3,800	4,940	10°	285	245	125	7	27	150	610	210	130	200.0	285	8	20.0	40	15.0	1,180	120	110	200	165	M20 x 80L
315	192.65	5,500	7,150	10°	315	280	130	7	32	170	740	240	150	230.0	315	10	22.0	40	15.0	1,375	135	120	215	180	M22 x 90L
350	192.70	8,000	10,400	10°	350	310	155	8	35	185	760	260	170	245.0	350	10	22.0	50	16.0	1,485	150	130	240	195	M22 x 100L
390	192.75	11,000	14,300	10°	390	345	170	8	40	205	880	280	170	273.0	390	10	24.0	70	18.0	1,620	150	140	270	210	M24 x 110L
435	192.80	15,000	19,500	10°	435	385	190	10	42	235	930	330	209	318.0	435	10	27.0	80	20.0	1,795	170	150	300	225	M27 x 120L
480	192.85	20,000	26,000	10°	480	425	205	12	47	265	1,035	305	209	355.6	480	16	31.5	90	22.5	1,950	190	165	365	250	M30 x 130L
550	192.90	28,000	36,400	10°	550	492	250	12	50	290	1,110	350	240	406.4	550	16	31.5	100	22.5	2,120	210	220	430	330	M30 x 135L

* Coupling Weight is without Bore Machining