



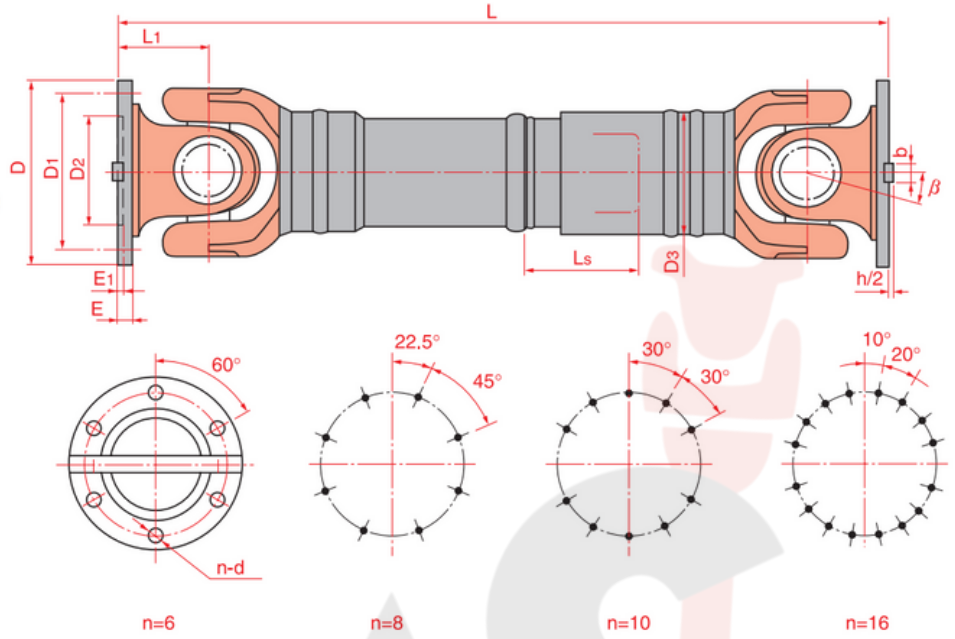
 INDUSTRIAL CARDAN SHAFTS CATALOGUE
 ENDÜSTRİYEL KARDAN ŞAFTI KATALOĞU



UNIVERSAL COUPLING MODEL SWC (JB5513 - 91)

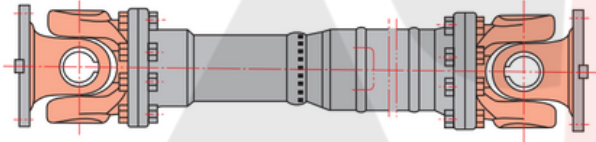
Type BH

Standard flexible welded type



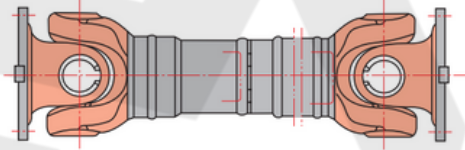
Type BF

Standard flexible welded type



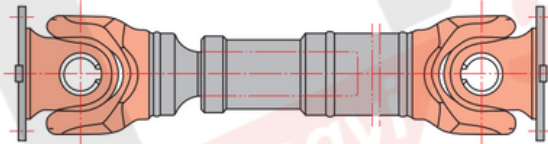
Type DH

Short flexible welded type



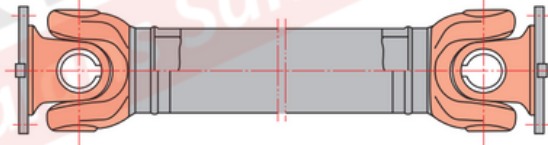
Type CH

Long flexible welded type



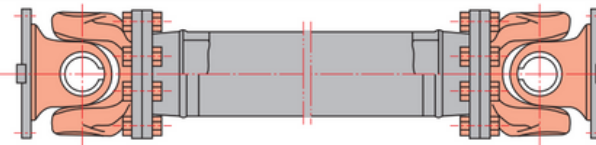
Type WH

Non-flexible welded type



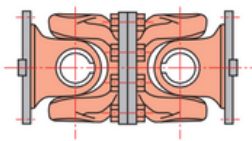
Type WF

Non-flexible flanged type



Type WD

Short non-flexible type



Parameters and Specifications of Coupling Model SWC

Table 1

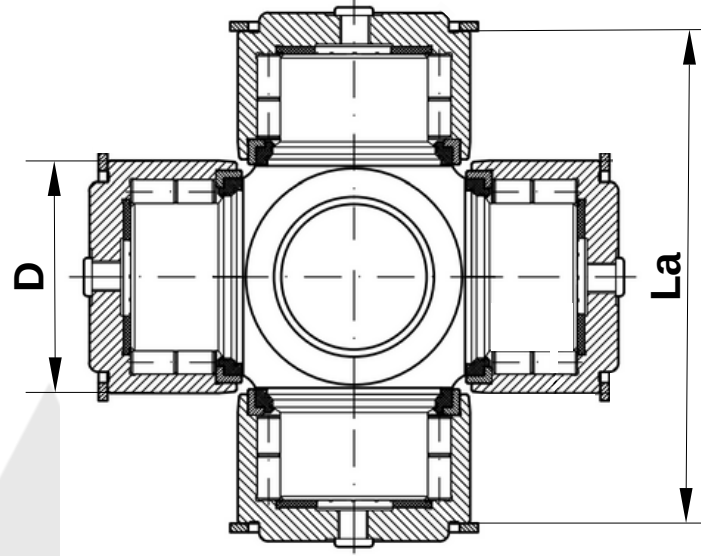
Model	Gyration dia. D	Nominal angular force Tn kN • m	Fatigue angular force TK kN • m	Axis angle $\beta \leq$	Dimensions mm								
					D1	D2 H7	D3	L1	n-d	E	E1	b h9	$\frac{h}{2}$
SWC100 □	100	1.25	0.63	25°	84	57	60	55	6-9	7	2.5	-	-
SWC120 □	120	2.5	1.25	25°	102	75	70	65	8-11	8	2.5	-	-
SWC150 □	150	5	2.5	25°	130	90	89	80	8-13	10	3.0	-	-
SWC180 □	180	22.4	11.2	15°	155	105	114	110	8-17	17	5.0	-	-
SWC225 □	225	56	28	15°	196	135	152	120	8-17	20	5.0	32	9.0
SWC250 □	250	80	40	15°	218	150	168	140	8-19	25	6.0	40	12.5
SWC285 □	285	120	58	15°	245	170	194	160	8-21	27	7.0	40	15.0
SWC315 □	315	160	80	15°	280	185	219	180	10-23	32	8.0	40	15.0
SWC350 □	350	225	110	15°	310	210	267	194	10-23	35	8.0	50	16.0
SWC390 □	390	320	160	15°	345	235	267	215	10-25	40	8.0	70	18.0
SWC440 □	440	500	250	15°	390	255	325	260	16-28	42	10.0	80	20.0
SWC490 □	490	700	350	15°	435	275	325	270	16-31	47	12.0	90	22.5
SWC550 □	550	1000	500	15°	492	320	426	305	16-31	50	12.0	100	22.5
SWC620 □	620	1220	730	15°	555	380	426	340	10-38	55	12.0	100	25

Table 2

Gyration dia.		100	120	150	180	225	250	285	315	350	390	440	490	550	620
Type	Parameters														
BH	Min. Length Lmin	410	485	590	860	920	1035	1190	1315	1410	1590	1875	1985	2300	-
	Weight (kg)	7	12	26	75	130	180	273	389	601	758	1210	1602	2503	-
	Flex LS	55	80	80	100	140	140	140	140	150	170	190	190	240	-
BF	Min. Length Lmin	-	-	-	810	920	1035	1190	1315	1410	1590	1875	1985	2300	2500
	Weight (kg)	-	-	-	90	148	210	315	440	662	857	1380	1731	2667	3367
	Flex LS	-	-	-	100	140	140	140	140	150	170	190	190	240	240
DH	Min. Length Lmin	-	-	-	550	640	735	880	980	1070	1200	-	-	-	-
	Weight (kg)	-	-	-	62	102	148	240	350	500	655	-	-	-	-
	Flex LS	-	-	-	40	70	70	80	90	90	90	-	-	-	-
CH	Min. Length Lmin	-	-	-	925	1080	1215	1475	1600	1715	1845	2110	2220	2585	-
	Weight (kg)	-	-	-	103	180	230	350	510	820	960	1530	1760	3000	-
	Flex LS	-	-	-	200	200	300	400	400	400	400	400	400	500	-
WH	Min. Length Lmin	243	307	350	480	520	620	720	805	875	955	1155	1205	1355	-
	Weight (kg)	5	8.5	20	52	85	144	215	302	415	566	870	1140	1630	-
WF	Min. Length Lmin	-	-	-	560	610	715	810	915	980	1100	1290	1360	1510	1690
	Weight (kg)	-	-	-	58	104	150	240	332	452	668	980	1274	1763	2442
WD	Length L	-	-	-	440	480	560	640	720	776	860	1040	1080	1220	1360
	Weight (kg)	-	-	-	60	90	140	201	291	395	554	854	1156	1624	2220
On every length increase of 100 mm		0.35	0.55	0.85	2.8	4.9	5.3	6.3	8	15	15	21.7	21.7	34	34

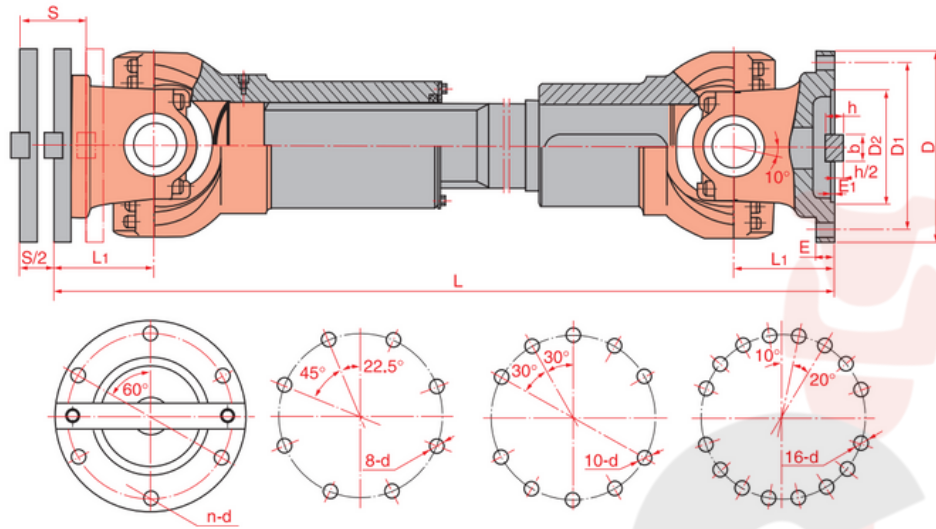
UNIVERSAL COUPLING MODEL SWC JOINTS

JOINT NUMBER	D	La
KMS 72.001	72.00	185.00
KMS 74.001	74.00	217.00
KMS 74.002	74.00	195.00
KMS 83.001	83.00	181.00
KMS 83.002	83.00	220.00
KMS 83.003	83.00	231.00
KMS 90.001	90.00	192.00
KMS 95.001	95.00	250.00
KMS 95.002	95.00	220.00
KMS 100.001	100.00	214.00
KMS 110.002	110.00	275.00
KMS 115.001	115.00	243.00
KMS 120.001	120.00	275.00
KMS 130.002	130.00	269.00
KMS 132.001	132.00	300.00
KMS 145.001	145.00	299.00
KMS 145.002	145.00	335.00
KMS 165.001	165.00	333.00
KMS 185.001	185.00	377.00
KMS 210.001	210.00	419.00
KMS 240.001	240.00	472.00
KMS 265.001	265.00	526.00

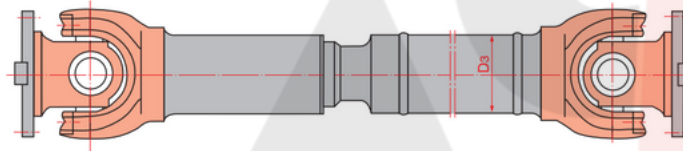


UNIVERSAL COUPLING MODEL SWP (JB3241 - 91)

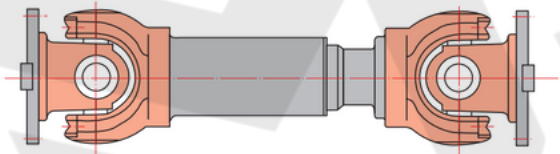
Normal type



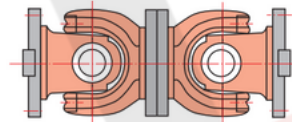
Type A
Long flexible type



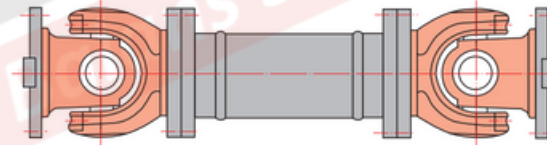
Type B
Short flexible type



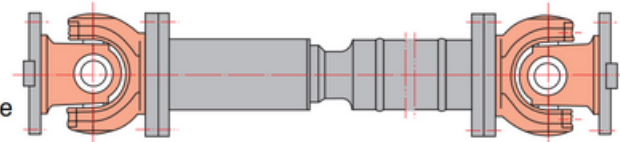
Type C
Short non-flexible



Type D
Long non-flexible



Type E
Long flexible double flange type



Parameters and Specifications of Coupling Model SWP

Table 1

Model	Gyration dia. D	Nominal angular force T _n kN • m	Fatigue angular force TK kN • m	Axis angle $\beta \leq$	Standard dilation S	Dimensions mm								
						D ₁	D ₂ H7	D ₃	E	E ₁	b × h	$\frac{h}{2}$	L ₁	n-d
SWP160 □ -91	160	20	10	10°	50	140	95	114	15	4	20 × 12	6	85	6-13
SWP180 □ -91	180	28	14	10°	60	155	105	121	15	4	24 × 14	7	95	6-15
SWP200 □ -91	200	40	20	10°	70	175	125	127	17	5	28 × 16	8	110	8-15
SWP225 □ -91	225	40	20	10°	75	196	135	152	20	5	32 × 18	9	130	8-17
SWP250 □ -91	250	80	40	10°	80	218	150	168	25	5	40 × 25	12.5	135	8-19
SWP285 □ -91	285	112	56	10°	100	245	170	194	27	7	40 × 30	15	150	8-21
SWP315 □ -91	315	160	80	10°	110	280	185	219	32	7	40 × 30	15	170	10-23
SWP350 □ -91	350	224	112	10°	120	310	210	245	35	8	50 × 32	16	185	10-23
SWP390 □ -91	390	315	158	10°	120	345	235	273	40	8	70 × 36	18	205	10-25
SWP435 □ -91	435	450	225	10°	150	385	255	299	42	10	80 × 40	20	235	16-28
SWP480 □ -91	480	630	315	10°	170	425	275	351	47	12	90 × 45	22.5	265	16-31
SWP550 □ -91	550	900	450	10°	190	492	320	402	50	12	100 × 45	22.5	290	16-31
SWP600 □ -91	600	1250	625	10°	210	544	380	450	55	15	90 × 55	27.5	330	22-34
SWP640 □ -91	640	1600	800	10°	230	575	385	480	60	15	100 × 60	30	350	18-38

Note: (1)The squares in models stand for types of couplings, i.e.A, B, C, D, or E Blank squares for basic types.

(2)Flange dia. of both ends of standard couplings are same as the gyration dia. Flange dia. may be increased by 1-2 grade or willfully on customers' requests.

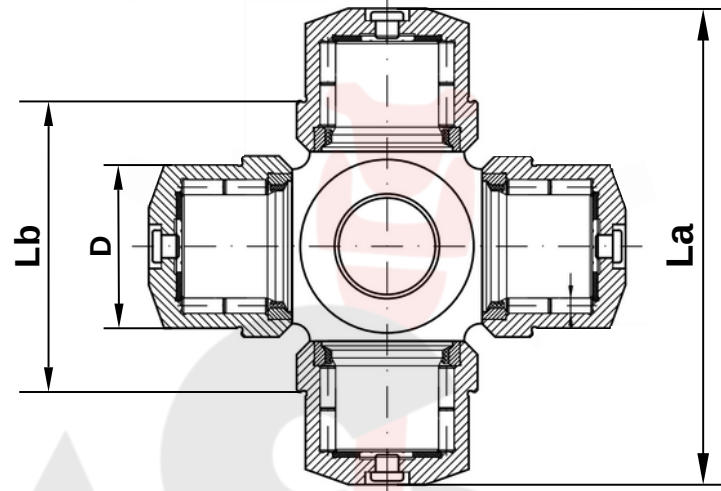
(2)Couplings with excessive flex may be manufactured on customers' requests.

Table 2

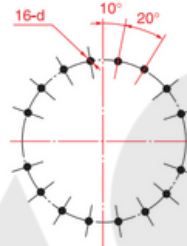
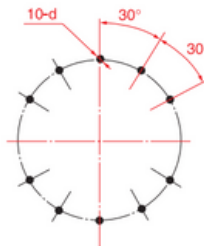
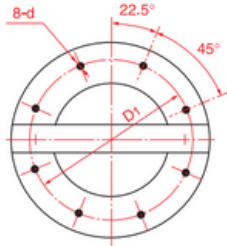
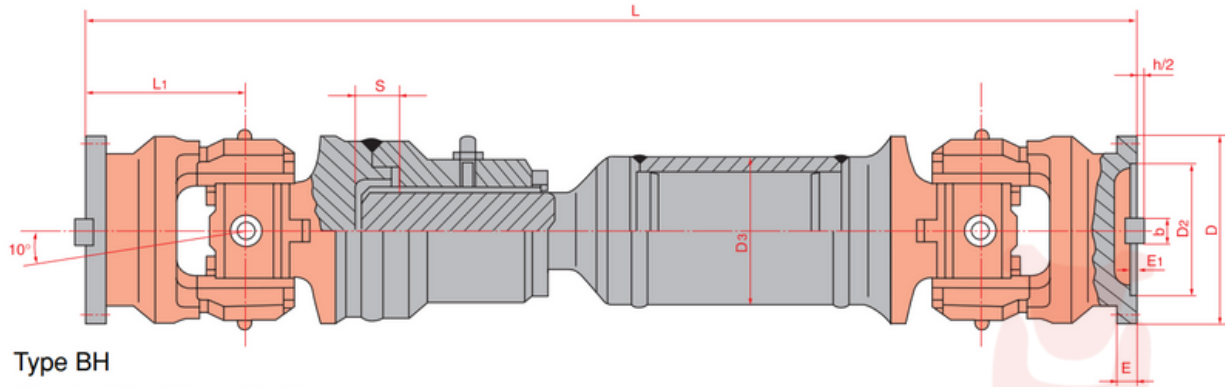
Gyration dia.		160	180	200	225	250	285	315	350	390	435	480	550	600	640
Type	Parameters														
Basic type	Lmin	610	700	780	928	958	1103	1240	1400	1480	1740	1940	2125	2400	2700
	Weight G(kg)	60	75	98	135	168	273	367	515	645	1214	1497	2053	2730	3700
	On every length increase of 100mm	3.2	3.8	4.8	6.4	7.7	9.6	12.1	15.8	15.8	24.7	27.1	32.6	50	65
Type A	Lmin	660	737	823	933	978	1133	1250	1380	1495	1710	1910	2135	2355	2685
	Weight G(kg)	57	70	91	119	157	255	345	458	596	962	1394	1944	2530	3453
	On every length increase of 100mm	3	3.2	4.4	6.6	7.3	9.4	12	15.9	18	20	28	35.7	40.5	48.3
Type B	L	585	640	730	830	860	1000	1120	1230	1310	1555	1740	1905	2100	2240
	Weight G(kg)	54	66	85	116	148	249	329	438	557	953	1343	1745	2440	2850
Type C	L	340	380	440	520	540	600	680	740	820	940	1060	1160	1320	1400
	Weight G(kg)	38	50	70	90	130	185	250	330	472	760	1000	1400	1480	2700
Type D	Lmin	430	474	544	636	690	760	860	940	1060	1180	1360	1460	1720	1790
	Weight G(kg)	45	57	77	104	155	220	291	375	531	855	980	1700	2343	3240
	On every length increase of 100mm	3	3.2	4.4	6.6	7.3	9.4	12	15.9	18	20	28	35.7	40.5	48.3
Type E	Lmin	715	800	880	1000	1055	1210	1345	1480	1630	1860	2122	2338	2640	2960
	Weight G(kg)	59	79	95	121	189	305	395	518	693	1267	1452	2260	2820	3921
	On every length increase of 100mm	3	3.2	4.4	6.6	7.3	9.4	12	15.9	18	20	28	35.7	40.5	48.3

UNIVERSAL COUPLING MODEL SWP JOINTS

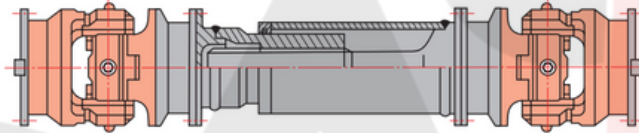
JOINT NUMBER	D	La	Lb
KMS 65.001	65.00	220.00	143.00
KMS 74.001	74.00	244.00	154.00
KMS 74.002	74.00	222.00	129.00
KMS 83.001	83.00	246.00	139.00
KMS 83.002	83.00	280.00	175.00
KMS 83.003	83.00	235.80	129.00
KMS 95.001	95.00	308.00	190.00
KMS 95.002	95.00	279.60	160.00
KMS 95.003	95.00	258.80	139.00
KMS 110.001	110.00	340.00	210.00
KMS 110.002	110.00	309.60	176.00
KMS 110.003	110.00	293.40	160.00
KMS 120.001	120.00	343.40	196.00
KMS 120.002	120.00	325.20	176.00
KMS 120.003	120.00	379.00	235.00
KMS 130.001	130.00	383.40	216.00
KMS 130.002	130.00	363.20	196.00
KMS 130.003	130.00	425.00	262.00
KMS 154.001	154.00	430.00	250.00
KMS 170.001	170.00	464.00	276.00
KMS 195.001	195.00	530.00	315.00



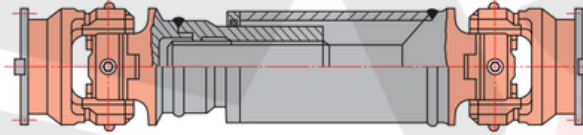
UNIVERSAL COUPLING MODEL SWZ



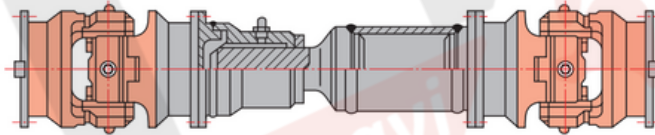
Type BF
Standard flexible flanged type



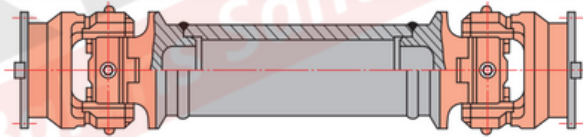
Type CH
Long flexible welded type



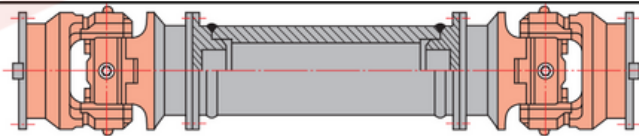
Type CF
Long flexible welded type



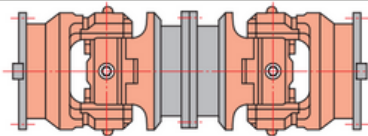
Type WH
Non-flexible welded type



Type WF
Non-flexible flanged type



Type WD
Short non-flexible type



Parameters and Specifications of Coupling Model SWZ

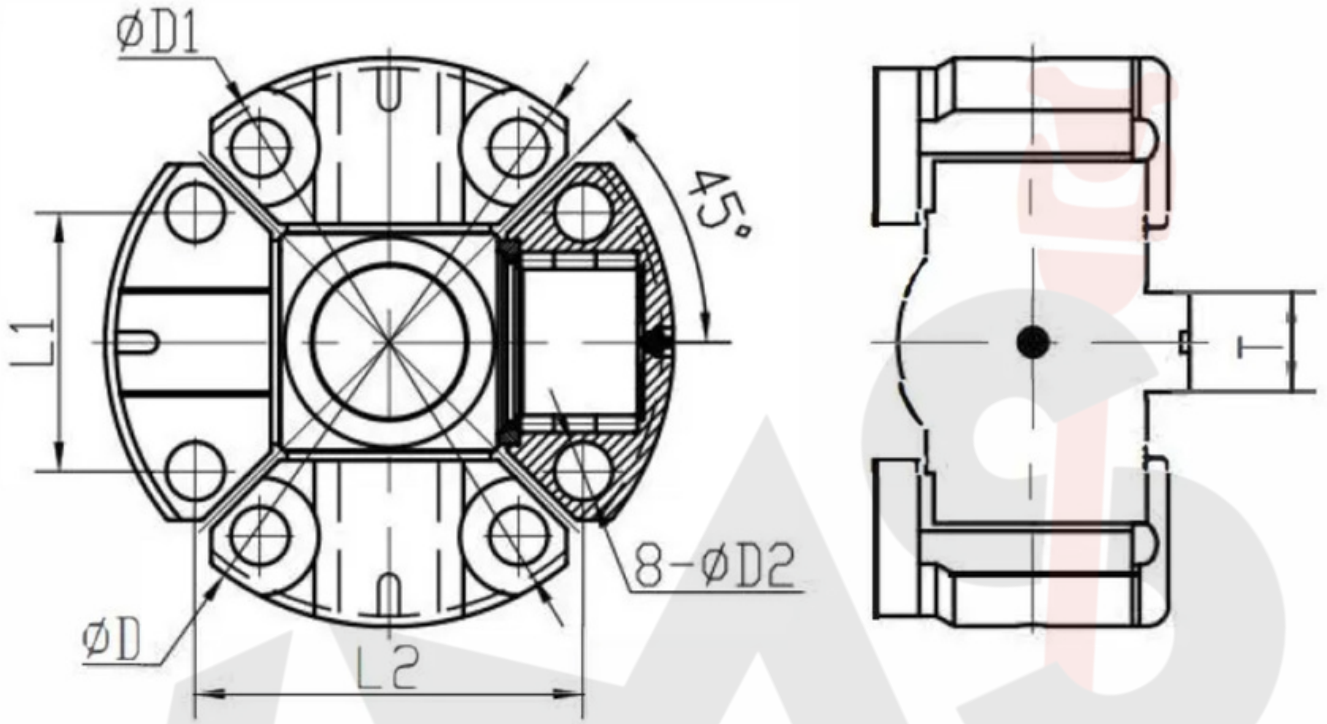
Table 1

Model	Gyration dia. D	Nominal angular force Tn kN • m	Fatigue angular force TK kN • m	Axis angle β	Dimensions mm								
					L1	D1	D2 H7	D3	E	E1	b (h9)	$\frac{h}{2}$	n-d
SWZ160 □	160	18	9	$\leq 10^\circ$	120	138	95	114	15	5	20	6	8-13
SWZ190 □	190	31.5	16		135	165	115	133	17	5	25	7	8-15
SWZ220 □	220	45	22		155	190	130	159	20	6	32	9	8-17
SWZ260 □	260	80	40		180	228	155	194	25	6	40	12.5	8-19
SWZ300 □	300	125	63		215	260	180	219	30	7	40	15	10-23
SWZ350 □	350	200	100		235	310	210	273	35	8	50	16	10-23
SWZ400 □	400	280	140		270	358	240	299	40	8	70	18	10-25
SWZ425 □	425	355	180		295	376	255	325	42	10	80	20	16-28
SWZ450 □	450	450	224		300	400	270	351	44	10	80	20	16-28
SWZ500 □	500	600	315		340	445	300	377	47	12	90	22.5	16-31
SWZ550 □	550	800	400		355	492	320	426	50	12	100	22.5	16-31

Table 2

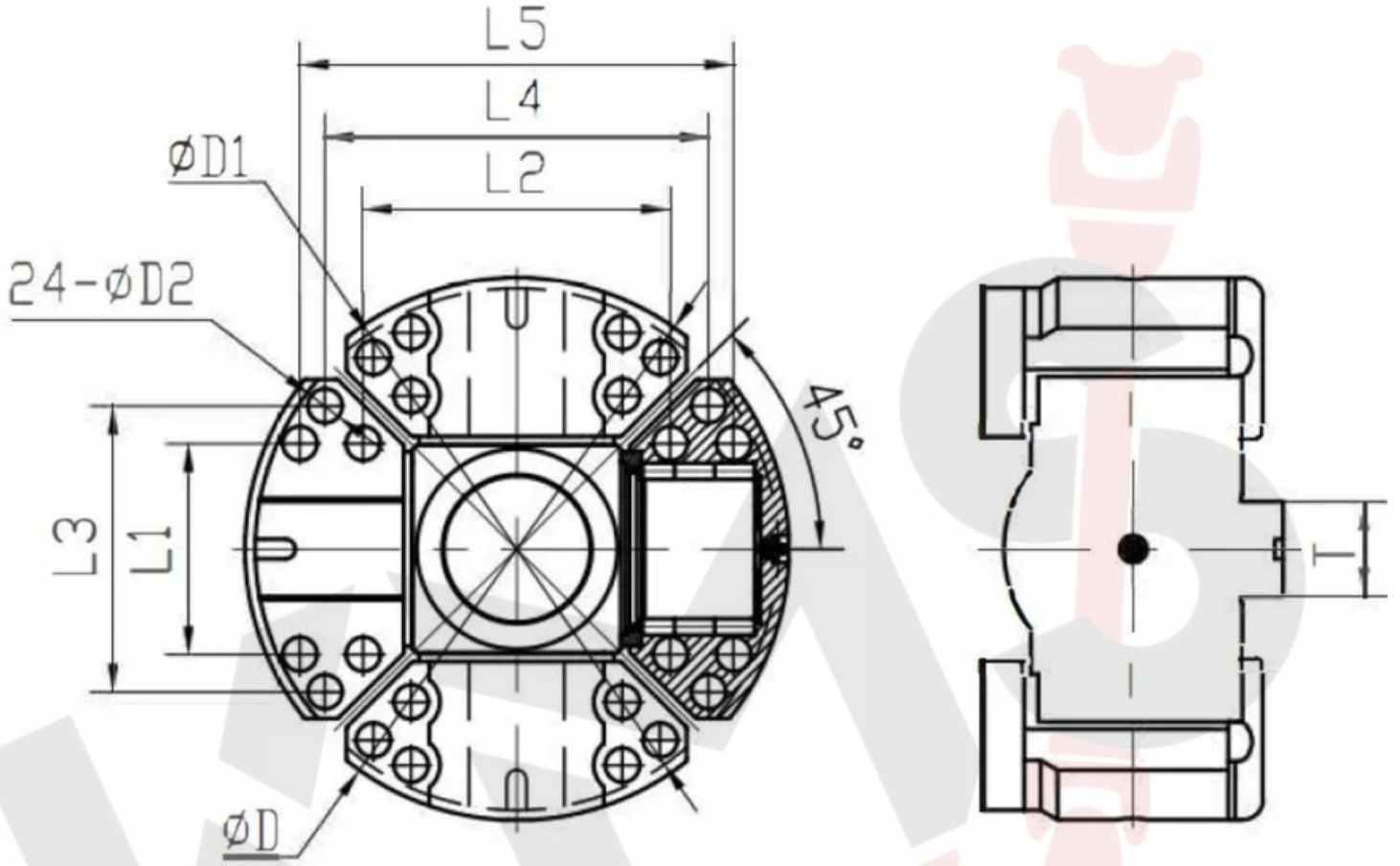
Type	Gyration dia. Parameters	160	190	220	260	300	350	400	425	450	500	550
BH	Min. Length Lmin	850	935	1085	1220	1455	1585	1785	1865	1990	2000	2345
	Weight (kg)	80	126	198	323	477	767	1125	1350	1627	2227	2835
	Flex S	75	80	100	115	120	130	145	145	185	200	210
BF	Min. Length Lmin	980	1090	1260	1420	1600	1760	2040	2150	2300	2600	2670
	Weight (kg)	96	150	238	388	574	908	1329	1615	1959	2658	3384
	Flex S	75	80	100	115	120	130	145	145	185	200	210
CH	Min. Length Lmin	1010	1170	1370	1540	1680	1920	2240	2310	2480	2720	2950
	Weight (kg)	95	152	247	403	578	959	1398	1671	2043	2682	3605
	Flex S	170	210	250	290	290	340	390	390	460	460	550
CF	Min. Length Lmin	1160	1340	1560	1770	1930	2180	2530	2640	2850	3110	3350
	Weight (kg)	110	177	284	470	672	1102	1600	1940	2400	3110	4150
	Flex S	170	210	250	290	290	340	390	390	460	460	550
WH	Min. Length Lmin	580	650	760	880	1010	1120	1270	1350	1450	1630	1710
	Weight (kg)	61	96	151	248	320	600	870	950	1260	1730	2220
WF	Min. Length Lmin	680	750	880	1010	1170	1280	1450	1570	1670	1870	1950
	Weight (kg)	72	112	180	300	450	690	1040	1240	1490	2100	2600
WD	Length L	480	540	620	720	860	940	1080	1180	1200	1360	1420
	Weight (kg)	56	90	138	226	356	532	800	984	1124	1572	1986
On every length increase of 100 mm	BH, BF, WH, WF	3.02	4.11	5.96	7.82	9.37	13.62	18.72	19.18	22.37	28.76	32.87
	CH, CF	5.75	7.53	10.12	14.73	18.41	27.19	32.38	38.01	43.65	50.48	63.22

UNIVERSAL COUPLING MODEL SWZ JOINTS SERIES A



NAME	TYPE	D	D1	D2	LL	L2	T
KMS. SWZ.260	A	260	248	22	108	180	30
KMS. SWZ.300B	A	300	288	32	135	210.42	48
KMS. SWZ.350B	A	350	336	35	157	248.56	55
KMS. SWZ.400	A	400	385	41	182	273	70
KMS. SWZ.500B	A	500	480	49	224	354	90

UNIVERSAL COUPLING MODEL SWZ JOINTS SERIES B



NAME	TYPE	D	D1	D2	LL	L2	T	L3	L4	L5
KMS. SWZ.650B	B	650	635	41	253	365	95.3	340	455	533
KMS. SWZ.550B	B	550	535	35	214	310	80	290	388	448