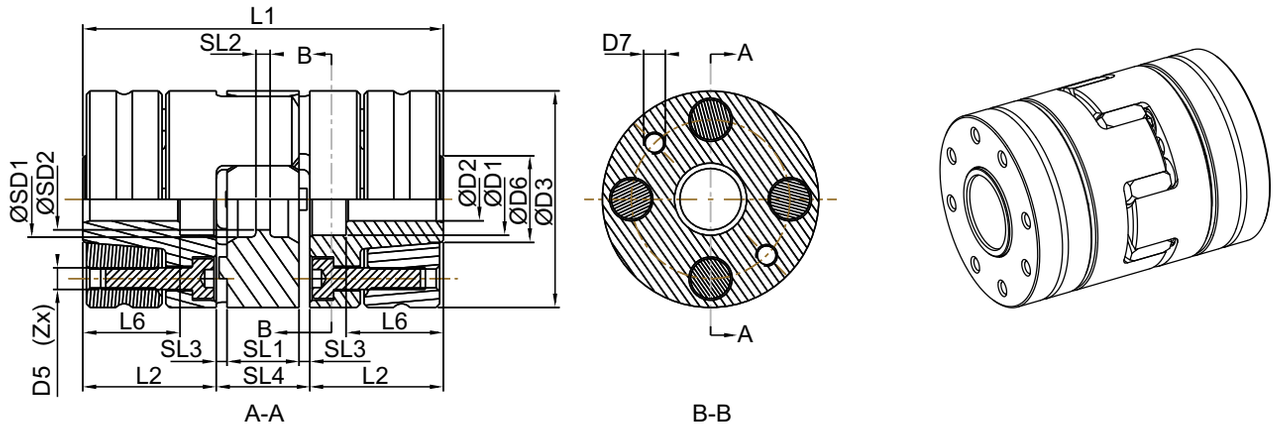
DP Type Hub



Clamping Ring Hub Material - Steel.

Size	Max. Speed [rpm]	D2 max	D3(4)	L1	L2	L6	SD1	SD2	SL1	SL2	SL3	SL4	Screw Tightening Torque T_A [Nm]	Z	D5(2)	D7(5)	Inertia(3) J [kg.cm^2]
14	47700	15	32	50	18.5	15.5	8.3	–	10	2	1.5	13	1.89	4	M3	M3	0.123
19	35800	20	40	66	25	21	18	–	12	3	2	16	3.05	6	M4	M4	0.419
24	26000	28	55	78	30	25	27	–	14	3	2	18	8.5	4	M5	M5	1.8
28	22000	38	65	90	35	30	30	–	15	4	2.5	20	8.5	8	M5	M5	3.916
38	17900	48	80	114	45	40	38	–	18	4	3	24	14	8	M6	M6	11.646
42	15000	51	95	126	50	45	46	18.5	20	4	3	26	35	4	M8	M8	26.963
48	13600	55	105	140	56	50	48	20.5	21	5	3.5	28	69	4	M10	M10	45.256
55	11900	70	120	160	65	58	60	22.5	22	4.5	4	30	69	4	M10	M10	86.677
65	11000	70	135	185	75	55	65	30	26	5.5	4.5	35	120	4	M12	M12	165.68
75	8950	80	160	210	85	63	80	40	30	5	5	40	120	5	M12	M12	369.566
90	7150	105	200	245	100	75	100	50	34	9.5	5.5	45	295	5	M16	M16	1049.05

(1) Elastomers with different hardnesses can be found on page 6.
(2) Clamping screws DIN EN ISO 4762.
(3) The moment of inertia of the maximum bore diameter of a single hub.
(4) Elastomer expansion approx 2mm of ØD3 when applying high speed.
(5) Remove screw D7 (located between the clamping screws).

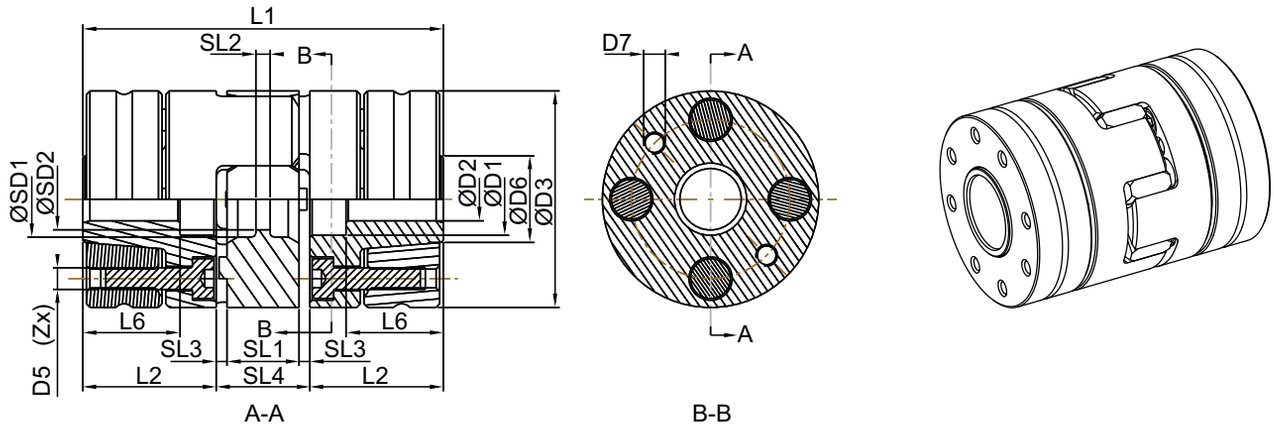
DP Type Hub

DP Type 14-42 Bore and Transmittable Torques T_R [Nm]																				
Size	Tolerance	Ø10	Ø11	Ø14	Ø15	Ø16	Ø19	Ø20	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	Ø48	Ø50
14	H6/k6	11	13	29	35															
	H6/h6	3	3	21	28															
19	H6/k6	34	41	76	91	69	106	120												
	H6/h6	22	27	64	81	50	87	104												
24	H6/k6			79	94	71	110	126	134	150	202									
	H6/h6			64	81	47	85	104	102	120	183									
28	H6/k6				127	149	224	176	276	305	339	401	365	458	525					
	H6/h6				94	116	189	123	231	263	292	362	295	403	476					
38	H6/k6							249	389	429	478	564	516	646	651	740	835	833		
	H6/h6							177	326	371	412	509	420	569	549	652	764	734		
42	H6/k6									390	435	514	467	588	590	673	635	758	892	911
	H6/h6									331	368	458	371	510	489	584	517	659	818	828

DP Type 48-90 Bore and Transmittable Torques T_R [Nm]																				
Size	Tolerance	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	Ø48	Ø50	Ø55*	Ø60*	Ø65*	Ø70*	Ø80*	Ø90*	Ø95*	Ø100*	Ø105*	
48	H6/k6	672	762	944	957	1082	1034	1220	1423	1298	1607									
	H6/h6	570	649	852	837	978	895	1103	1334	1151	-									
55	H6/k6			920	931	1057	1006	1193	1202	1329	1394	1747	1729	2094						
	H6/h6			808	787	930	840	1052	1029	1174	-	-	-	-						
65	H6/k6					1533	1469	1734	1755	1936	2042	2540	2531	3047						
	H6/h6					1362	1251	1545	1527	1729	-	-	-	-						
75	H6/k6						1862	2192	2225	2449	2593	3210	3212	3851	4496					
	H6/h6						1610	1971	1960	2208	-	-	-	-	-					
90	H6/k6									4027	4486	5039	6053	6164	7306	8381	9507	9871	11056	
	H6/h6									3633	-	-	-	-	-	-	-	-	-	

*When the shaft bore is ≧Ø55 the fit tolerance is G6/m6. If the fit clearance increased, the transmission torque will be reduced. For calculation of the decompression strength of the shaft/hollow shaft, see the installation instructions.

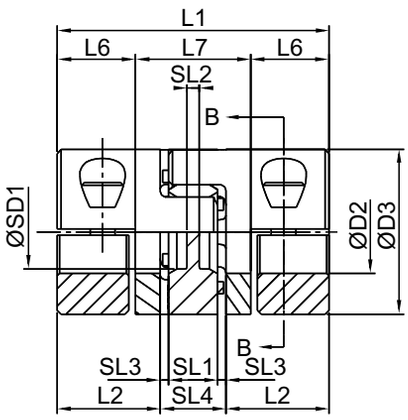
DP Type Hub



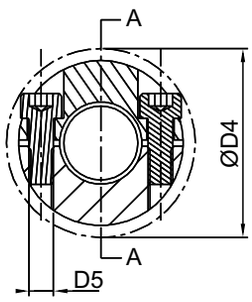
Selection according to spindle specifications																				
Spindle Spec	Size	Dimensions according to DIN 69002																		
		D2(1)	D1	D3(6)	D6	L1	L2	L6	SD1	SD2	SL1	SL2	SL3	SL4	T_A [Nm]	Z	D5(4)	D7(7)	T_R [Nm]	J(5) [kg.cm^2]
25 x 20(2)	14P	14	17	32	17	50	18.5	15.5	8.3	6	10	2	1.5	13	1.89	4	M3	M3	25	0.125
32 x 25	19P37.5	16	19	37.5	20	66	25	21	18	9.5	12	3	2	16	3.05	6	M4	M4	60	0.325
32 x 30	19P	19	22	40	23	66	25	21	18	9.5	12	3	2	16	3.05	6	M4	M4	71	0.423
40 x 35	24P50	24	29	50	28	78	30	25	27	12.5	14	3	2	18	4.9	4	M5	M5	108	1.209
50 x 45	24P	25	30	55	30	78	30	25	27	12.5	14	3	2	18	8.5	4	M5	M5	170	1.84
63 x 55	28P	35	40	65	40	90	35	30	30	14.5	15	4	2.5	20	8.5	8	M5	M5	506	4.023
80 x 75(2)	38P	40	46	80	46	114	45	40	38	16.5	18	4	3	24	14	8	M6	M6	821	12.397

(1) Standard spindle diameter.
(2) Not according to DIN 69002.
(3) Elastomers with different hardnesses can be found on page 6.
(4) Clamping screws DIN EN ISO 4762.
(5) The moment of inertia of the maximum bore diameter of a single hub.
(6) Elastomer expansion approx 2mm of ØD3 when applying high speed.
(7) Remove screw D7 (located between the clamping screws).

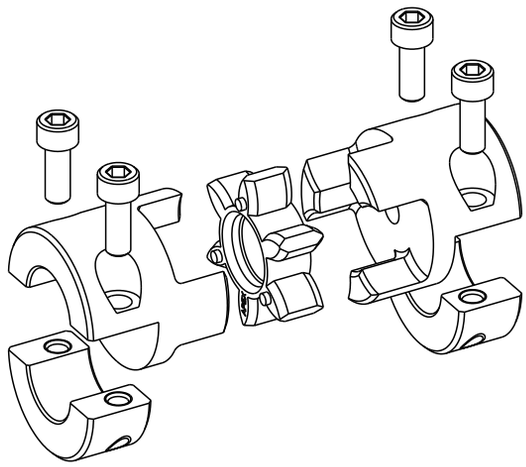
E / EK Type Hub



A-A



B-B



With maximum bore the feather keyways are offset to each other by approx 5°, Material - Aluminium.

Size	Max. Speed [rpm]	D2 max	D3	L1	L2	L6	L7	SD1	SL1	SL2	SL3	SL4	Screw Tightening Torque T_A [Nm]	D4	D5(2)	Inertia (3) J [kg.cm^2]
19	9550	20	40	66	25	19	28	18	12	3	2	16	10	46	M6	0.199
24	6950	30	55	78	30	22	34	27	14	3	2	18	10	57.5	M6	0.763
28	5850	38	65	90	35	25	40	30	15	4	2.5	20	25	73	M8	1.719
38	4750	45	80	114	45	33	48	38	18	4	3	24	25	83.5	M8	5.035
42	4000	50	95	126	50	36.5	53	46	20	4	3	26	49	93.5	M10	11.344

(1) Elastomers with different hardnesses can be found on page 6.
(2) Connecting screws DIN EN ISO 4762.
(3) The moment of inertia of the maximum bore diameter of a single hub.
(4) Finished bore diameter tolerance is H7, hole diameter >Ø6 keyway, according to DIN 6885/1, dimensional tolerance is JS9. Please refer to page 6 for keyway dimensions corresponding to each bore diameter.

Bore and Transmittable Torques T_R [Nm]																								
Size	Ø8	Ø10	Ø11	Ø14	Ø15	Ø16	Ø18	Ø19	Ø20	Ø22	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	Ø46	Ø48	Ø50
19	20	25	28	35	38	40	46	48	51														
24		25	28	35	38	40	46	48	51	56	61	63	71										
28				64	68	73	82	87	91	100	110	114	128	137	146	160	173						
38							82	87	91	100	110	114	128	137	146	160	173	183	192	205			
42										154	167	174	195	209	223	244	265	279	293	314	321	335	349