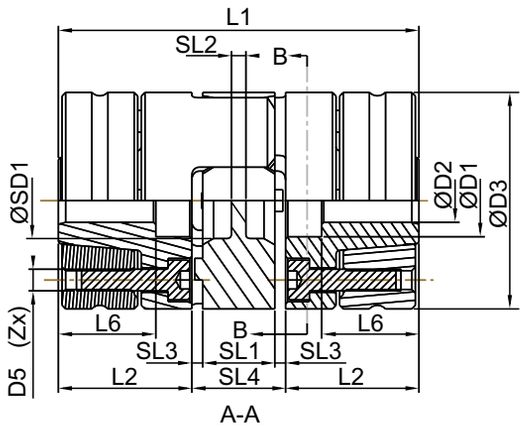
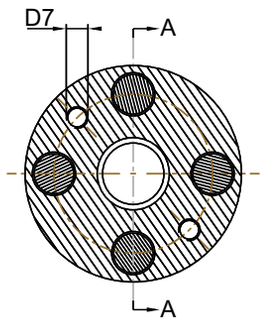
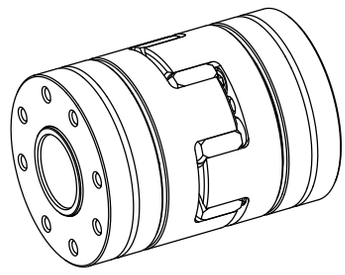
DS Type Hub







Clamping Ring Hub Material - Steel.

Size	Max. Speed [rpm]	D2 max	D3(4)	L1	L2	L6	SD1	SL1	SL2	SL3	SL4	Screw Tightening Torque T_A [Nm]	Z	D5(2)	D7(5)	Inertia(3) J [kg.cm^2]
19	19000	20	40	66	25	18	18	12	3	2	16	4.1	6	M4	M4	0.419
24	14000	28	55	78	30	22	27	14	3	2	18	8.5	4	M5	M5	1.802
28	12000	38	65	90	35	27	30	15	4	2.5	20	8.5	8	M5	M5	3.928
38	9600	48	80	114	45	35	38	18	4	3	24	14	8	M6	M6	11.63
42	8050	51	95	126	50	35	46	20	4	3	26	41	4	M8	M8	26.924
48	7200	55	105	140	56	41	48	21	5	3.5	28	69	4	M10	M10	45.212
55	6350	70	120	160	65	45	60	22	4.5	4	30	69	4	M10	M10	86.547
65	5650	70	135	185	75	55	65	26	5.5	4.5	35	120	4	M12	M12	165.679
75	4750	80	160	210	85	63	80	30	5	5	40	120	5	M12	M12	369.565
90	3800	105	200	245	100	75	100	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).

DS Type Hub

DS Type 19-42 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
19	H7/k6	28	33	65	78	57	89	103												
	H7/h6	20	24	57	71	45	77	92												
24	H7/k6			66	80	58	91	106	112	125	172									
	H7/h6			57	72	43	77	93	92	107	160									
28	H7/k6				110	130	199	151	245	273	303	361	324	413	475					
	H7/h6				87	107	175	114	214	243	269	334	275	374	441					
38	H7/k6							218	353	393	437	522	469	597	595	683	777	769		
	H7/h6							164	306	349	387	480	396	538	519	617	723	695		
42	H7/k6									445	496	589	533	675	676	773	726	871	1030	1051
	H7/h6									398	443	545	458	614	596	704	633	793	972	985

DS 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	H7/k6	621	709	892	897	1022	967	1153	1356	1221	1526								
	H7/h6	541	620	818	802	939	857	1060	1286	1104	—								
55	H7/k6			849	852	975	918	1101	1103	1227	1277	1625	1592	1953					
	H7/h6			765	745	880	794	996	973	1111	—	—	—	—					
65	H7/k6					1440	1367	1630	1641	1820	1905	2404	2374	2891					
	H7/h6					1309	1200	1485	1466	1662	—	—	—	—					
75	H7/k6						1727	2052	2072	2294	2410	3026	3002	3641	4259				
	H7/h6						1529	1880	1865	2105	—	—	—	—	—				
90	H7/k6									3848	4269	4810	5835	5910	7029	8050	9200	9539	10753
	H7/h6									3515	—	—	—	—	—	—	—	—	—

* The standard fit tolerance is H7/k6, when the shaft bore is ≧Ø55 the fit tolerance is G7/m6. If the fit clearance increased, the transmission torque will be reduced. The strength and inner diameter of the shaft/hollow shaft need to be checked.