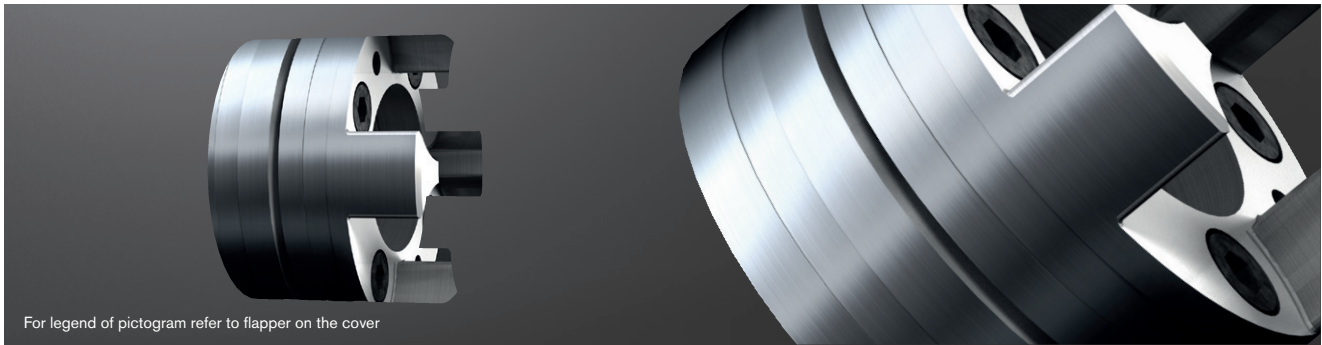


ROTEX® GS Clamping ring hubs made of steel

Backlash-free jaw couplings

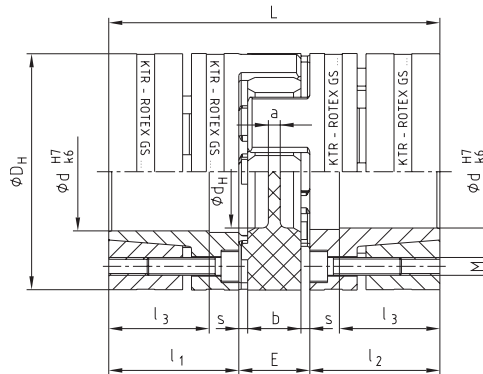
Integrated clamping system made of steel



For legend of pictogram refer to flapper on the cover



Extraction thread M₁ between clamping screws



ROTEX® GS clamping ring hubs steel

Size	Spider GS ¹⁾ torque T _{KN} [Nm]			Dimensions [mm]										Clamping screws DIN EN ISO 4762			Weight per hub with max. bore [kg]	Mass moment of inertia per hub with max. bore [kgm ²]	
	98 ShA	64 ShD	72 ShD	d _{max}	D _H ²⁾	d _H	L	l ₁ , l ₂	l ₃	E	b	s	a	M	z = number	T _A [Nm]			M ₁
19	21	26	—	20	40	18	66	25	18	16	12	2.0	3.0	M4	6	4.1	M4	0.179	0.44 x 10 ⁻⁴
24	60	75	97	28	55	27	78	30	22	18	14	2.0	3.0	M5	4	8.5	M5	0.399	1.91 x 10 ⁻⁴
28	160	200	260	38	65	30	90	35	27	20	15	2.5	4.0	M5	8	8.5	M5	0.592	4.18 x 10 ⁻⁴
38	325	405	525	48	80	38	114	45	35	24	18	3.0	4.0	M6	8	14	M6	1.225	12.9 x 10 ⁻⁴
42	450	560	728	51	95	46	126	50	35	26	20	3.0	4.0	M8	4	41	M8	2.30	31.7 x 10 ⁻⁴
48	525	655	852	55	105	51	140	56	41	28	21	3.5	4.0	M10	4	69	M10	3.08	52.0 x 10 ⁻⁴
55	685	825	1072	70	120	60	160	65	45	30	22	4.0	4.5	M10	4	69	M10	4.67	103.0 x 10 ⁻⁴
65	940	1175	1527	70	135	68	185	75	55	35	26	4.5	4.5	M12	4	120	M12	6.70	191.0 x 10 ⁻⁴
75	1920	2400	3120	80	160	80	210	85	63	40	30	5.0	5.0	M12	5	120	M12	9.90	396.8 x 10 ⁻⁴
90	3600	4500	5850	105	200	104	245	100	75	45	34	5.5	6.5	M16	5	295	M16	17.7	1136 x 10 ⁻⁴

¹⁾ For selections see page 22 et seqq./other spiders see page 127.

²⁾ ØD_H + 2 mm with high speeds for expansion of spider

Review of shaft-hub-connection: Friction torques T_R [Nm] for hub type 6.0 steel

Size		Ø10	Ø11	Ø14	Ø15	Ø16	Ø19	Ø20	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	Ø48	Ø50	Ø55*	Ø60*	Ø65*	Ø70*	Ø80*	Ø90*	Ø95*	Ø100*	Ø105*
19	H7/k6	27	32	69	84	57	94	110																					
	H7/h6	15	18	57	74	38	76	94																					
24	H7/k6			70	87	56	97	114	116	133	192																		
	H7/h6			55	74	32	72	93	84	103	173																		
28	H7/k6				108	131	207	148	253	285	315	382	330	433	503														
	H7/h6				74	97	172	94	207	242	267	343	260	377	453														
38	H7/k6							208	353	395	439	531	463	603	593	689	793	776											
	H7/h6							136	290	337	373	476	367	525	491	601	721	677											
42	H7/k6								445	495	595	526	677	671	775	718	872	1043	1061										
	H7/h6								387	429	540	429	600	569	687	599	773	970	978										
48	H7/k6									616	704	899	896	1030	962	1160	1379	1222	1543										
	H7/h6									513	590	806	775	924	822	1042	1290	1073	—										
55	H7/k6												863	856	991	918	1119	1110	1247	1277	1665	1605	2008						
	H7/h6												750	710	863	750	976	934	1089	—	—	—	—						
65	H7/k6														1446	1355	1637	1635	1827	1887	2429	2368	2930						
	H7/h6														1275	1135	1447	1404	1619	—	—	—	—						
75	H7/k6															1710	2053	2059	2294	2384	3040	2983	3664	4293					
	H7/h6															1460	1836	1797	2056	—	—	—	—						
90	H7/k6																			3845	4249	4795	5859	5906	7036	8047	9247	9575	10845
	H7/h6																			3445	—	—	—	—	—	—	—	—	—

* From Ø55 tolerance G7/m6

The friction torque is reduced with bigger clearance.. For the strength calculation of shaft/hollow shaft see KTR standard 45510 on our homepage www.ktr.com.

Ordering example:	ROTEX® GS 24	98 ShA-GS	d 20	6.0 steel - Ø24		6.0 steel - Ø20	
	Coupling size	Spider hardness	Optional: Bore in spider	Hub type	Finish bore	Hub type	Finish bore