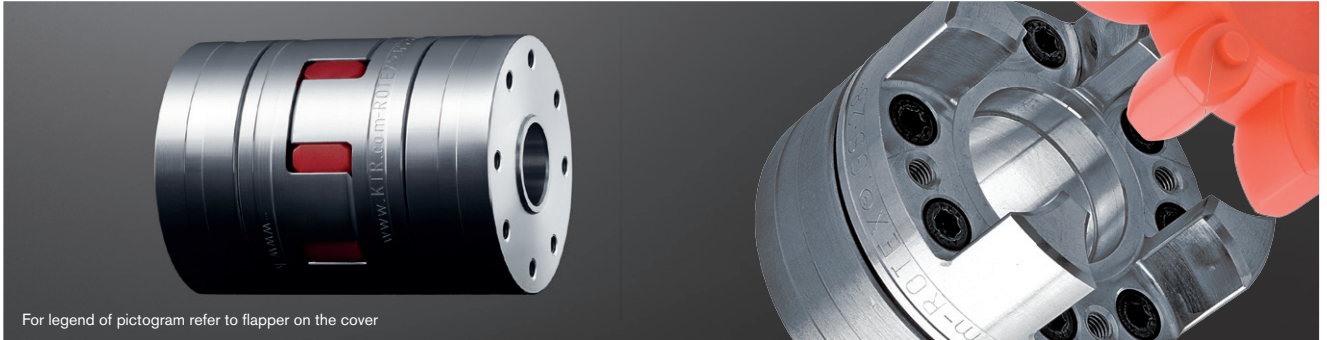


ROTEX® GS Clamping ring hubs light Backlash-free jaw couplings

Integrated clamping system made of aluminium

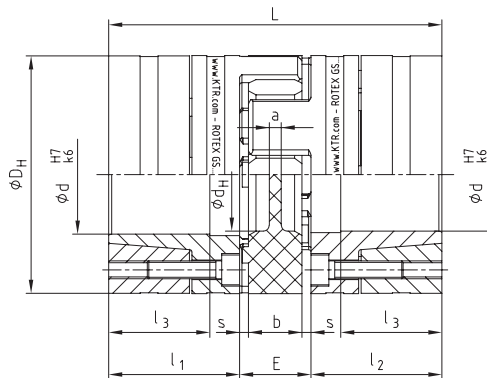


For legend of pictogram refer to flapper on the cover



Extraction thread M₁ between clamping screws

Clamping ring hub light with block mounting (hub and clamping ring mounted as a block)



ROTEX® GS clamping ring hubs light																			
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]	
	92 ShA	98 ShA	64 ShD	d _{max.}	D _H ²⁾	d _H	L	l _{1, l2}	l ₃	E	b	s	a	M	z = number	T _A [Nm]			M ₁
13	-	11	14.5	13	25	10	34	12	9	10	8	1	-	M2	6	0.37	M2	0.014	1.39 x 10 ⁻⁶
14	7.5	12.5	16.0	14	30	10.5	50	18.5	13.5	13	10	1.5	2.0	M3	4	1.34	M3	0.032	0.04 x 10 ⁻⁴
19	12	21	26	20	40	18	66	25	18	16	12	2.0	3.0	M4	6	3	M4	0.077	0.19 x 10 ⁻⁴
24	35	60	75	32	55	27	78	30	22	18	14	2.0	3.0	M5	4	6	M5	0.162	0.78 x 10 ⁻⁴
28	95	160	200	38	65	30	90	35	27	20	15	2.5	4.0	M5	8	6	M5	0.240	1.70 x 10 ⁻⁴
38	190	325	405	48	80	38	114	45	35	24	18	3.0	4.0	M6	8	10	M6	0.490	5.17 x 10 ⁻⁴
42	265	450	560	51	95	46	126	50	35	26	20	3.0	4.0	M8	4	25	M8	0.772	11.17 x 10 ⁻⁴
48	310	525	655	55	105	51	140	56	41	28	21	3.5	4.0	M10	4	49	M10	1.066	18.81 x 10 ⁻⁴

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

²⁾ $\varnothing D_H + 2$ mm with high speeds for expansion of spider

Review of shaft-hub-connection: Friction torques T _R [Nm] for hub type 6.0 light																											
Size		Ø3	Ø4	Ø5	Ø6	Ø8	Ø9	Ø10	Ø11	Ø14	Ø15	Ø16	Ø19	Ø20	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	Ø48	Ø50	Ø55 [*]
13	H7/k6	1.3 ³⁾	2.3 ³⁾	4.3 ³⁾	5.4 ³⁾	10 ³⁾	6.3	8.9	10.6																		
	H7/h6						2.4	4.8	5.4																		
14	H7/k6				8.2	13.1	18.7	20.5	25.9	36.2																	
	H7/h6				5.8	9.5	15.7	16.6	21.6	24.7																	
19	H7/k6							33	41	59	71	51	80	92													
	H7/h6							27	35	52	65	39	68	81													
24	H7/k6								84	99	93	139	157	160	177	232	177 ⁴⁾										
	H7/h6								75	92	79	125	145	119	136	190	147 ⁴⁾										
28	H7/k6									140	207	188	289	316	355	414	422										
	H7/h6									121	187	157	263	293	318	381	324	343									
38	H7/k6										290	439	480	567	656	617	759	733	825	922	808	937					
	H7/h6										247	403	447	530	626	499	636	606	696	792	678	809					
42	H7/k6															651	752	747	916	1001	1115	1044	1218	1404	1432		
	H7/h6															574	681	613	774	881	1001	888	1058	1241	1295		
48	H7/k6																765	822	927	1121	1220	1357	1318	1536	1768	1535	1823
	H7/h6																678	760	837	1047	1085	1231	1128	1339	1566	1331	1475

* Standard bore tolerance H7, special tolerances on request * From Ø55 tolerance G7/m6

The friction torque is reduced with bigger clearance.. Steel or nodular iron with a yield strength of approx. 250 N/mm² or more can be used as shaft material. For strength calculation of shaft/hollow shaft see KTR standard 45510 on our homepage www.ktr.com.

³⁾ Taper of hub with slot

⁴⁾ Clamping ring hub with screws M3, z = 8 and T_A = 2.9 Nm

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