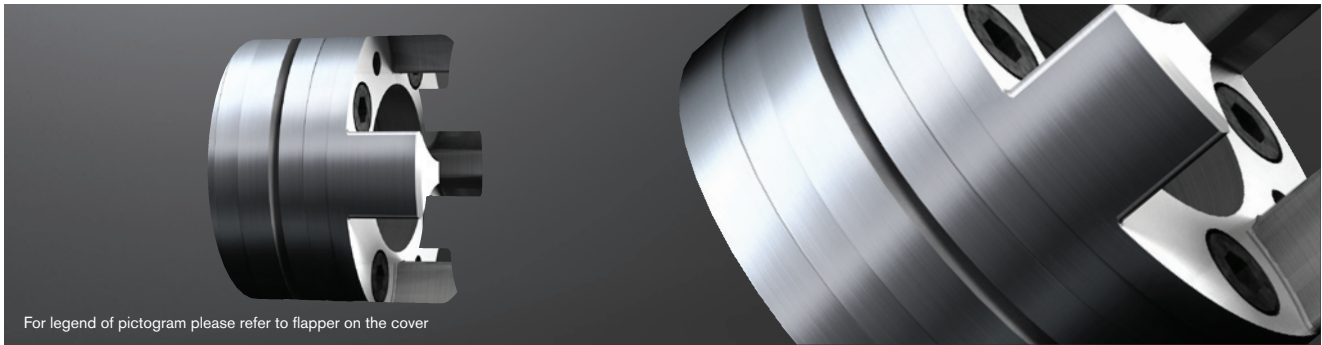


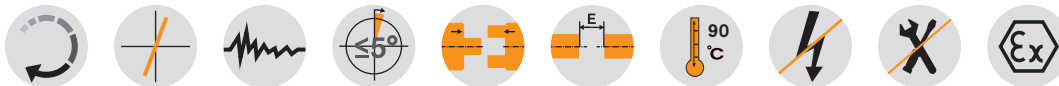
ROTEX® GS Clamping ring hubs made of steel

Backlash-free jaw couplings

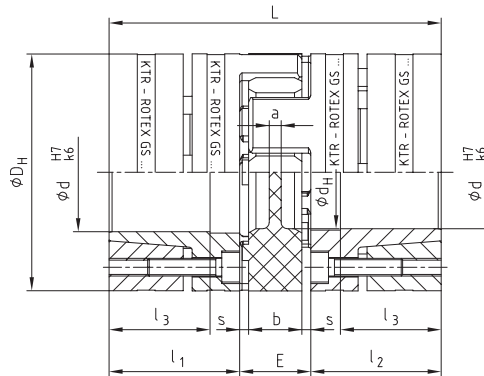
Integrated clamping system made of steel



For legend of pictogram please refer to flapper on the cover



Tack thread M1 between clamping screws



ROTEX® GS clamping ring hubs made of steel

Size	Spider torque T_{KN} [Nm] ¹⁾			Dimensions [mm]										Clamping screws DIN EN ISO 4762			Weight per hub with max. bore [kg]	Mass moment per hub with max. bore [kg m ²]	
	98 Sh-A	64 Sh-D	72 Sh-D	maxi.d	D_H ²⁾	d_H	L	l_1 ; l_2	l_3	E	b	s	a	M	Num- ber z	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	$0,44 \times 10^{-4}$
24	60	75	97	28	55	27	78	30	22	18	14	2,0	3,0	M5	4	8,5	M5	0,399	$1,91 \times 10^{-4}$
28	160	200	260	38	65	30	90	35	27	20	15	2,5	4,0	M5	8	8,5	M5	0,592	$4,18 \times 10^{-4}$
38	325	405	525	48	80	38	114	45	35	24	18	3,0	4,0	M6	8	14	M6	1,225	$12,9 \times 10^{-4}$
42	450	560	728	51	95	46	126	50	35	26	20	3,0	4,0	M8	4	35	M8	2,30	$31,7 \times 10^{-4}$
48	525	655	852	55	105	51	140	56	41	28	21	3,5	4,0	M10	4	69	M10	3,08	$52,0 \times 10^{-4}$
55	685	825	1072	70	120	60	160	65	45	30	22	4,0	4,5	M10	4	69	M10	4,67	$103,0 \times 10^{-4}$
65	940	1175	1527	70	135	68	185	75	55	35	26	4,5	4,5	M12	4	120	M12	6,70	$191,0 \times 10^{-4}$
75	1920	2400	—	80	160	80	210	85	63	40	30	5,0	5,0	M12	5	120	M12	9,90	$396,8 \times 10^{-4}$
90	3600	4500	—	105	200	104	245	100	75	45	34	5,5	6,5	M16	5	295	M16	17,7	1136×10^{-4}

¹⁾ Other spiders/selection see page 18 et seqq.

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

Review of shaft-hub-connection: Friction torques for hub type 6.0 steel

Size		$\phi 10$	$\phi 11$	$\phi 14$	$\phi 15$	$\phi 16$	$\phi 19$	$\phi 20$	$\phi 24$	$\phi 25$	$\phi 28$	$\phi 30$	$\phi 32$	$\phi 35$	$\phi 38$	$\phi 40$	$\phi 42$	$\phi 45$	$\phi 48$	$\phi 50$	$\phi 55^*$	$\phi 60^*$	$\phi 65^*$	$\phi 70^*$	$\phi 80^*$	$\phi 90^*$	$\phi 95^*$	$\phi 100^*$	$\phi 105^*$
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								358	398	483	416	547	536	625	571	704	851	865										
	H7/h6								299	331	428	320	470	434	537	452	605	778	781										
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	4794	5858	5900	7036	8047	9247	9575	10845
	H7/h6																			3445	—	—	—	—	—	—	—	—	—

* From $\phi 55$ tolerance G7/m6

With bigger clearance the torque is reduced. For the stiffness calculation of the shaft/hollow shaft see KTR standard 45510 at our homepage at www.ktr.com.

Ordering example:	ROTEX® GS 24	98 Sh-A-GS	d20	6.0 steel	$\phi 24$	6.0 steel	$\phi 20$
		Coupling size	Spider hardness	Optional: Bore in spider	Hub type	Finish bore	Hub type