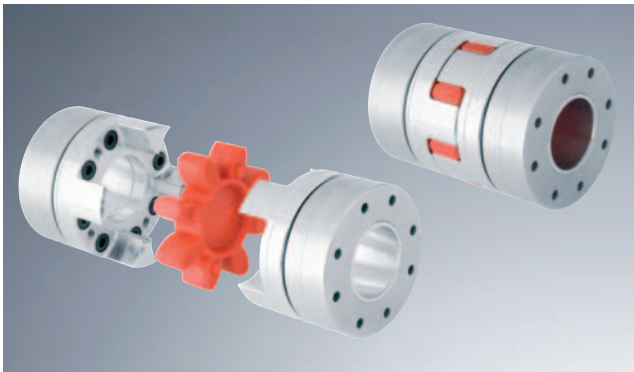

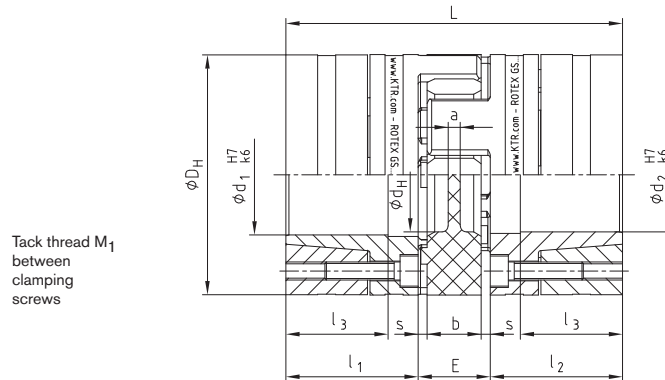


## Clamping ring hubs light



- Backlash-free shaft coupling with integrated clamping system
- As an example, use on feed/main spindles, drives on machine tools, handling units, etc.
- Low weight and low mass moment of inertia due to a design fully made from aluminium
- Easy assembly due to internal clamping screws and block assembly
- High friction torques
- High smoothness of running, application up to a peripheral speed of 50 m/s
-  Approved according to EC Standard 94/9/EC



Size	Torque [Nm] <sup>1)</sup>				Dimensions [mm]										Clamping screws			Weight per hub with max. bore [kg]	Mass moment of inertia per hub with max. bore [kgm <sup>2</sup> ]		
	92 Sh A		98 Sh A		$D_H^{(2)}$	$d_H$	L	$l_1; l_2$	$l_3$	E	b	s	a	M	numberz	$T_A$ [Nm]	$M_1$				
	$T_{KN}$	$T_{Kmax}$	$T_{KN}$	$T_{Kmax}$																	
<b>Hub material – Aluminium (Al-H)      Clamping ring material – Aluminium (Al-H)</b>																					
14	7,5	15	12,5	25	30	10,5	50	18,5	13,5	13	10	1,5	2,0	M3	4	1,34	M3	0,032	$0,04 \times 10^{-4}$		
19	10	20	17	34	40	18	66	25	18	16	12	2,0	3,0	M4	6	3	M4	0,077	$0,19 \times 10^{-4}$		
24	35	70	60	120	55	27	78	30	22	18	14	2,0	3,0	M5	4	6	M5	0,162	$0,78 \times 10^{-4}$		
28	95	190	160	320	65	30	90	35	27	20	15	2,5	4,0	M5	8	6	M5	0,240	$1,70 \times 10^{-4}$		
38	190	380	325	650	80	38	114	45	35	24	18	3,0	4,0	M6	8	10	M6	0,490	$5,17 \times 10^{-4}$		
42	265	530	450	900	95	46	126	50	35	26	20	3,0	4,0	M8	4	25	M8	0,772	$11,17 \times 10^{-4}$		
48	310	620	525	1050	105	51	140	56	41	28	21	3,5	4,0	M10	4	49	M10	1,066	$18,81 \times 10^{-4}$		

<sup>1)</sup> Please note coupling selection on pages 141/142. <sup>2)</sup>  $\varnothing D_H + 2$  mm with high speeds for expansion of spider

Bore $d_1/d_2$ and the corresponding transmittable friction torques $T_R$ of clamping ring hub in [Nm] <sup>1)</sup>																					
Size	$\varnothing 6$	$\varnothing 10$	$\varnothing 11$	$\varnothing 14$	$\varnothing 15$	$\varnothing 16$	$\varnothing 19$	$\varnothing 20$	$\varnothing 24$	$\varnothing 25$	$\varnothing 28$	$\varnothing 30$	$\varnothing 32$	$\varnothing 35$	$\varnothing 38$	$\varnothing 40$	$\varnothing 42$	$\varnothing 45$	$\varnothing 48$	$\varnothing 50$	$\varnothing 55$
14	5,4	7,5	11,3	24,7																	
19		17	20	41	49	36	56	64													
24				47	57	67	98	110	127	139	175										
28							121	133	201	219	248	285	253	307	329						
38								203	304	331	394	452	453	543	550	609	669	629	706		
42									444	508	535	638	692	763	754	858	964	976			
48												572	638	762	842	929	943	1074	1208	1136	1336

The transmittable torques of the clamping connection consider the max. clearance with shaft fit k6 / bore H7. With bigger clearance the torque is reduced. As shaft material – steel or spheroidal iron with a yield point of approx. 250 N/mm<sup>2</sup> or more can be used. For the stiffness calculation of the shaft/hollow shaft see KTR standard 45510 at our homepage [www.ktr.com](http://www.ktr.com).

Order form:	ROTEX® GS 24	98 Sh A-GS	d20	6.0 light	–	$\varnothing 24$	6.0 light	–	$\varnothing 20$
	Coupling size	Spider hardness	Optional: Bore diameter in spider	Hub design	Finish bore	Hub design	Finish bore		