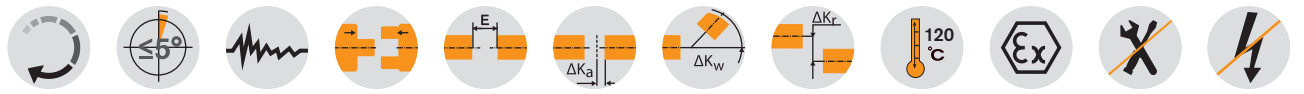
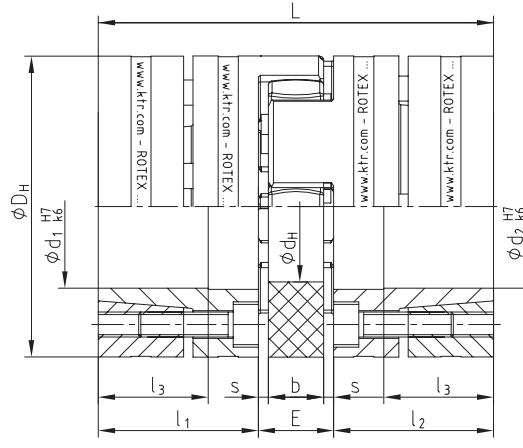


# Clamping ring hubs



## Components



Tack thread M1 between clamping screws

### Clamping ring hubs steel

Size	Torques [Nm] 1)				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		$\phi_{DH}^{2)}$	$\phi_H$	L	$l_1; l_2$	$l_3$	E	b	s	M	Number z	$T_A$ [Nm]	$M_1$		
	$T_{KN}$	$T_{Kmax}$	$T_{KN}$	$T_{Kmax}$														
19	10,0	20	17	34	40	18	66	25	18	16	12	2,0	M4	6	4,1	M4	0,179	$0,44 \times 10^{-4}$
24	35,0	70	60	120	55	27	78	30	22	18	14	2,0	M5	4	8,5	M5	0,399	$1,91 \times 10^{-4}$
28	95,0	190	160	320	65	30	90	35	27	20	15	2,5	M5	8	8,5	M5	0,592	$4,18 \times 10^{-4}$
38	190,0	380	325	650	80	38	114	45	35	24	18	3,0	M6	8	14	M6	1,225	$12,9 \times 10^{-4}$
42	265	530	450	900	95	46	126	50	35	26	20	3,0	M8	4	35	M8	2,30	$31,7 \times 10^{-4}$
48	310	620	525	1050	105	51	140	56	41	28	21	3,5	M10	4	69	M10	3,08	$52,0 \times 10^{-4}$
55	375	750	685	1370	120	60	160	65	45	30	22	4,0	M10	4	69	M10	4,67	$103,0 \times 10^{-4}$
65	—	—	940	1880	135	68	185	75	55	35	26	4,5	M12	4	120	M12	6,70	$191,0 \times 10^{-4}$
75	—	—	1920	3840	160	80	210	85	63	40	30	5,0	M12	5	120	M12	9,90	$396,8 \times 10^{-4}$
90	—	—	3600	4500	200	104	245	100	75	45	34	5,5	M16	5	295	M16	17,70	$1136 \times 10^{-4}$

### Bore $\phi_{d1}/\phi_{d2}$ and the corresponding transmittable friction torques $T_R$ of clamping ring hub in [Nm] 1)

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	27	32	69	84	57	94	110																					
24			70	87	56	97	114	116	133	192																		
28				108	131	207	148	253	285	315	382	330	433	503														
38							208	353	395	439	531	463	603	593	689	793	776											
42									358	398	483	416	547	536	625	571	704	851	865									
48											616	704	899	896	1030	962	1160	1379	1222	1543								
55													863	856	991	918	1119	1110	1247	1277	1672	1605	2008					
65															1446	1355	1637	1635	1827	1887	2429	2368	2930					
75																1710	2053	2059	2294	2384	3040	2983	3664	4293				
90																			3845	4249	4794	5858	5900	7036	8047	9247	9575	10845

<sup>1)</sup> Please see coupling selection on page 10 et seqq.

<sup>2)</sup>  $\phi_{DH} + 2$  mm with high speeds for expansion of spider

The transmittable torques of the clamping connection consider the max. clearance with shaft fit k6 / bore H7, from  $\phi_{55}$  G7/m6. The torque is reduced with bigger clearance. For the stiffness calculation of the shaft/hollow shaft see KTR standard 45510 on our homepage [www.ktr.com](http://www.ktr.com)

### Ordering example:

ROTEX® GS 24	98 Sh-A	6.0 Steel	$\phi_{24}$	6.0 Steel	$\phi_{20}$
Coupling size	Spider hardness	Hub type	Finish bore	Hub type	Finish bore