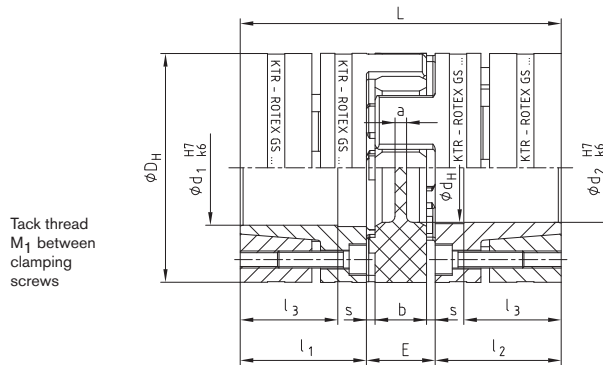


### Clamping ring hubs steel



- Backlash-free shaft coupling with integrated clamping system
- As an example, use on gearboxes and other drives with high torque shocks
- High smoothness of running, application up to a peripheral speed of 40 m/s
- For high friction torques (consider the selection in case of explosion protection use)
- Easy to assemble due to internal clamping screws
- Finish bore up to Ø 50 mm according to ISO fit H7, from Ø 55 mm according to ISO fit G7
- Approved according to EC Standard 94/9/EC



Size	Torques [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> ]
	98 Sh A		64 Sh D		$D_H$ <sup>3)</sup>	$d_H$	L	$l_1; l_2$		$l_3$	E	b	s	a	M	numberz	$T_A$ [Nm]		
$T_{KN}$	$T_{Kmax}$	$T_{KN}$	$T_{Kmax}$	Hub and clamping ring material – Steel (St-H)															
19	17	34	21	42	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	120	75	150	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	320	200	400	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	650	405	810	80	38	114	45	35	24	18	3,0	4,0	M6	8	14	M6	1,225	$12,9 \times 10^{-4}$
42	450	900	560	1120	95	46	126	50	35	26	20	3,0	4,0	M8	4	35	M8	2,30	$31,7 \times 10^{-4}$
48	525	1050	655	1310	105	51	140	56	41	28	21	3,5	4,0	M10	4	69	M10	3,08	$52,0 \times 10^{-4}$
55	685	1370	825	1650	120	60	160	65	45	30	22	4,0	4,5	M10	4	69	M10	4,67	$103,0 \times 10^{-4}$
65	940 <sup>2)</sup>	1880 <sup>2)</sup>	1175	2350	135	68	185	75	55	35	26	4,5	4,5	M12	4	120	M12	6,70	$191,0 \times 10^{-4}$
75	1920 <sup>2)</sup>	3840 <sup>2)</sup>	2400	4800	160	80	210	85	63	40	30	5,0	5,0	M12	5	120	M12	9,90	$396,8 \times 10^{-4}$

<sup>1)</sup> Please note coupling selection on pages 141/142 <sup>2)</sup> Figures for 95 Sh A - GS <sup>3)</sup>  $\phi D_H + 2$  mm with high speeds for expansion of spider

Bores $d_1/d_2$ and the corresponding transmittable friction torques $T_R$ of clamping ring hub in [Nm] <sup>1)</sup>																								
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
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

The transmittable torques of the clamping connection consider the max. clearance with shaft fit k6 / bore H7, from Ø55 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 [www.ktr.com](http://www.ktr.com).

Order form:	ROTEX® GS 24	98 Sh A-GS	d20	6.0 Steel	Ø24	6.0 Steel	Ø20
	Coupling size	Spider hardness	Optional: Bore diameter in spider	Hub design	Finish bore	Hub design	Finish bore