

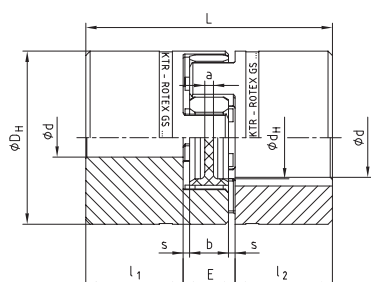
ROTEX® GS

Backlash-free shaft coupling

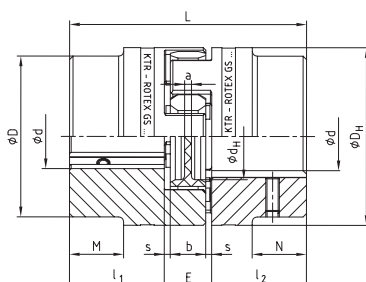


- Backlash-free shaft connection under prestress for spindle drives, elevating platforms, machine tool drives, etc.
- Single cardanic coupling in three parts
- Axial plug-in ability - easy blind assembly, without any time-consuming screw connections
- Small dimensions - low flywheel mass
- Maintenance-free, easy to check visually
- Different elastomer hardness of spiders
- Available from stock for all usual shaft dimensions
- Finish bore acc. to ISO fit H7 (apart from clamping hub), keyway, from Ø 6 mm acc. to DIN 6885 sheet 1 - JS9
- Approved according to EC Standard 94/9/EC (only for hub design 1.0 and 2.1/2.6)
- Basic programme see page 101

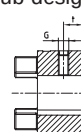
Hub designs: (see page 100)



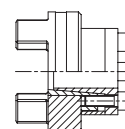
ROTEX® GS 5 - 38



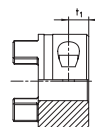
ROTEX® GS 42 - 75



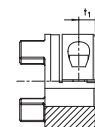
Design 1.0 with keyway and thread
1.1 without keyway, with thread



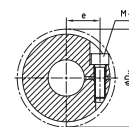
Design 4.0 with CLAMPEX® KTR 250



Design up to size 19 as standard
2.0 single slot without keyway (only for category 3)
2.1 single slot, with keyway



Design from size 24 as standard
2.5 double slot, without keyway (only for category 3)
2.6 double slot with keyway



Design 2.0, 2.5 Torque depending on bore diameter

ROTEX® GS Size	Un-bored	Finish bores ¹⁾		Dimensions [mm]										Setscrew		Clamping screws					
				D	D _H	d _H	L	l ₁ , l ₂	M/N	E	b	s	a								
		d _{min}	d _{max}	G	t	M ₁	t ₁	e	Ø D _K	T _A [Nm]											
Hub material – Aluminium (Al - H)																					
19	X	6	24	–	40	18	66	25	–	16	12	2,0	3	M5	10	M6	12	14,5	46	10,5	
24	X	8	28	–	55	27	78	30	–	18	14	2,0	3	M5	10	M6	10,5	20	57	10,5	
28	X	10	38	–	65	30	90	35	–	20	15	2,5	4	M8	15	M8	11,5	25	73	25,0	
38	X	12	45	–	80	38	114	45	–	24	18	3,0	4	M8	15	M8	15,5	30	83	25,0	
Hub material – (Steel St - H)																					
42	X	14	55	85	95	46	126	50	28	26	20	3,0	4,0	M8	20	M10	18	32	94	69	
48	X	15	62	95	105	51	140	56	32	28	21	3,5	4,0	M8	20	M12	21	36	105	120	
55	X	20	74	110	120	60	160	65	37	30	22	4,0	4,5	M10	20	M12	26	42,5	120	120	
65	X	22	80	115	135	68	185	75	47	35	26	4,5	4,5	M10	20	M12	33	45	124	120	
75	X	30	95	135	160	80	210	85	53	40	30	5	5	M10	25	M16	36	51	139	295	

ROTEX® GS Size	Bores and the corresponding transmittable torques of the clamping hub design 2.0 / 2.5 [Nm]																					
	Ø8	Ø10	Ø11	Ø14	Ø15	Ø16	Ø18	Ø19	Ø20	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	Ø48	Ø50	Ø55
19	25	27	27	29	30	31	32	32	34	32 ²⁾												
24		34	35	36	38	39	39	39	41	43	45	46										
28				80	81	81	84	85	87	91	92	97	99	102	105	109						
38					92	94	97	98	99	104	105	109	112	113	118	122	123	126	130			
42									232	244	246	255	260	266	274	283	288	294	301	309		
48											393	405	413	421	434	445	454	462	473	486	494	514
55														473	486	498	507	514	526	539	547	567
65															507	518	526	535	547	559	567	587
75																		1102	1124	1148	1163	1201

¹⁾ depending on hub design

²⁾ 2 x clamping screw M4

Order form:

ROTEX® GS 24	98 Sh A - GS	2.5	–	Ø 24	1.0	–	Ø 20
Coupling size	Spider hardness	Hub design		Finish bore	Hub design		Finish bore