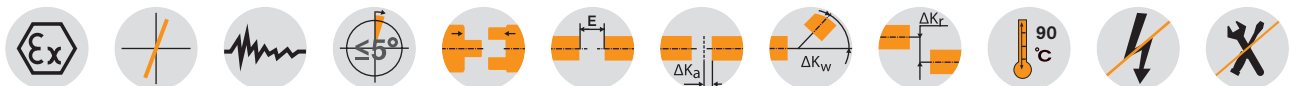


ROTEX® GS Compact

Backlash-free jaw couplings

Compact design



ROTEX® GS Compact - Hub material aluminium																		
Size	Spider GS ¹⁾ torque T _{KN} [Nm]				Dimensions [mm]										Clamping screws DIN EN ISO 4762			
	80 ShA	92 ShA	98 ShA	64 ShD	d _{max.}	D _H	DK	L	I ₁ , I ₂	E	b	s	d _H	t	e	M	T _A [Nm]	
Single slotted hub type 2.8/2.9																		
7	0.7	1.2	2.0	2.4	7	14	16.6	18	5	8	6	1	–	2.5	5	M2	0.37	
8	0.5	–	2.0	2.4	8	15	17.3	20	7	6	5	0.5	6.2	4	5.4	M2	0.52	
9	1.8	3.0	5.0	6	9	20	21.3	24	7	10	8	1	–	3.5	6.7	M2.5	0.76	
12	3.0	5.0	9.0	12	12	25	26.2	26	7	12	10	1	–	3.5	8.3	M3	1.34	
13	3.6	–	11	14.5	12.7	25	25.7	26	8	10	8	1	10	4	8	M3	1.9	
14	4.0	7.5	12.5	16	16 ²⁾	30	31.6	32	9.5	13	10	1.5	–	4.5	10	M4	2.9	
16	5.0	–	15	19	16	30	32.5	32	10.3	11.4	9.4	1	14	5.3	10.5	M4	4.1	
19	6.0	12.0	21.0	26.0	24 ²⁾	40	45.5	50	17	16	12	2	–	9	14.0	M6	10	
Axially slotted hub type 2.8/2.9																		
24	–	35	60	75	32	55	57.5	54	18	18	14	2	–	11	20.0	M6	10	
28	–	95	160	200	35	65	69.0	62	21	20	15	2.5	–	12	23.8	M8	25	
38	–	190	325	405	45	80	86.0	76	26	24	18	3	–	15	29.5	M10	49	

Review of shaft-hub-connection: Friction torques T _R [Nm] for hub type 2.8																											
Size	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9	Ø10	Ø11	Ø12	Ø14	Ø15	Ø16	Ø18	Ø19	Ø20	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	
Single slotted hub type 2.8																											
7	0.7	0.9	1.1	1.2	1.4																						
8	1.0	1.2	1.5	1.8	2.0	2.3																					
9		1.5	1.8	2.1	2.4	2.7	3.0																				
12		2.3	2.8	3.3	3.8	4.3	4.7	5.2	5.6	6.0																	
13		3.1	3.9	4.6	5.2	5.9	6.5	7.1	7.8	8.4																	
14			5.0	5.9	6.8	7.7	8.5	9.4	10.2	11.0	7.2 ²⁾	7.7 ²⁾	8.1 ²⁾														
16			7.2	8.5	9.8	11.0	12.2	13.4	14.6	15.7	17.9	19.0	20.0														
19						18.7	20.8	22.9	24.9	26.9	30.8	32.7	34.6	38.2	40.0	41.8	36.0 ²⁾										
Axially slotted hub type 2.8																											
24									34	37	41	48	51	54	61	64	68	81	85	95	102	109					
28												87	93	100	112	118	124	149	156	174	187	199	218				
38													148	158	178	188	198	237	247	277	296	316	346	375	395	415	444

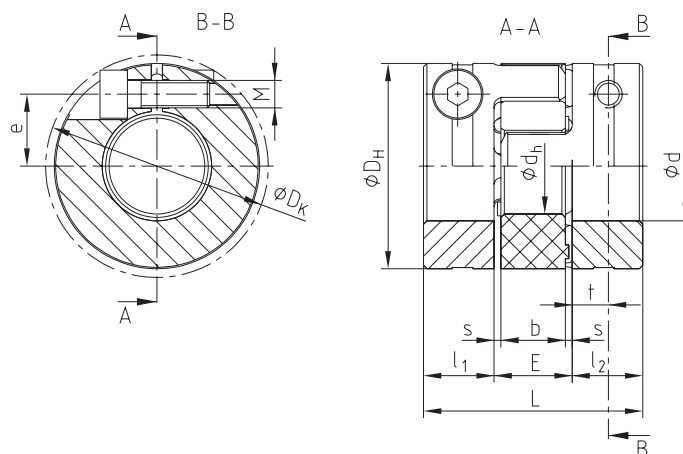
¹⁾ For selections see page 22 et seqq./other spiders see page 121.

²⁾ Size 14 with screw M3 and dimension e = 10.4/DK = 30.5/T_A = 1.34 Nm; size 19 with screw M5 and dimension e = 15.5/DK = 47mm/T_A = 6 Nm

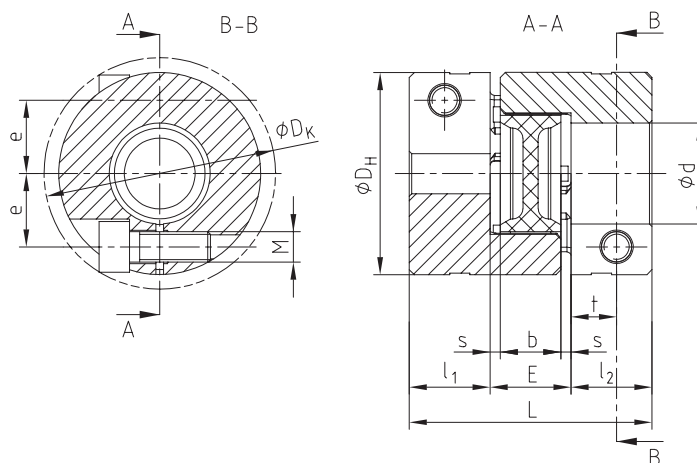
Ordering
example:

ROTEX® GS 38	Compact	98 ShA-GS	d 28	2.8 - Ø28	2.8 - Ø45
Coupling size	Type	Spider hardness	Optional: Bore in spider	Hub type	Finish bore
				Hub type	Finish bore

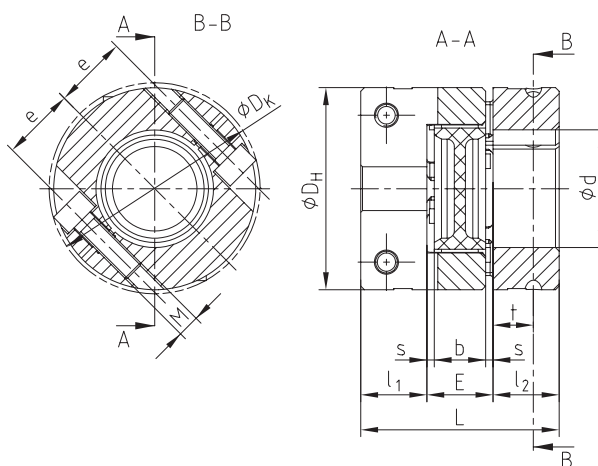
ROTEX® GS 8, 13, 16
Compact
single slotted type 2.8



ROTEX® GS 7, 9, 12, 14, 19
Compact
single slotted type 2.8

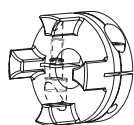


ROTEX® GS 24 - 38
Compact
axially slotted type 2.8



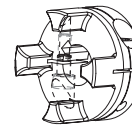
Types of hubs

Type 2.8



Compact type clamping hub C with axial slot, without feather keyway
Type 2.8 from size 24 as standard, size 7 - 19 type 2.8 single slotted

Type 2.9



Compact type clamping hub C with axial slot, with feather keyway
Type 2.9 from size 24 as standard, size 7 - 19 type 2.9 single slotted