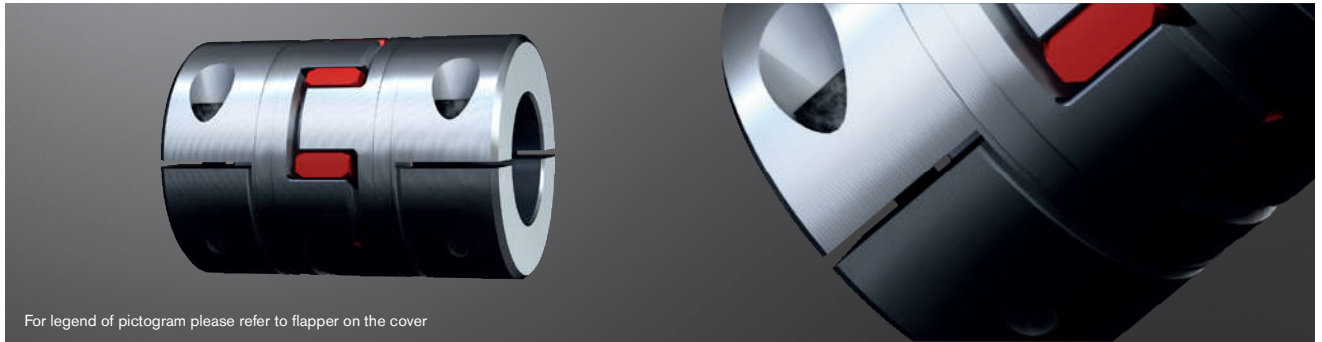


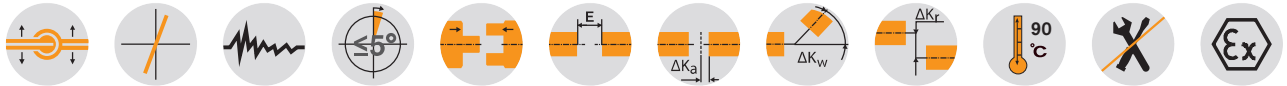
# ROTEX® GS A-H

## Backlash-free jaw couplings

### Drop-out center design coupling



For legend of pictogram please refer to flapper on the cover



ROTEX® GS type A-H - Hub material aluminium													
Size	Dimensions [mm]											Cap screws DIN EN ISO 4762	
	dmax.	L	$l_1, l_2$	E	b	s	$D_H$	$D_K$	$x_1, x_2$	$E_1$	M	$T_A$ [Nm]	
19	20	66	25	16	12	2.0	40	46	17.5	31	M6	10	
24	28	78	30	18	14	2.0	55	57.5	22.0	34	M6	10	
<b>28</b>	<b>38</b>	<b>90</b>	<b>35</b>	<b>20</b>	<b>15</b>	<b>2.5</b>	<b>65</b>	<b>73</b>	<b>25.0</b>	<b>40</b>	<b>M8</b>	<b>25</b>	
38	45	114	45	24	18	3.0	80	83.5	33.0	48	M8	25	
42	50	126	50	26	20	3.0	95	93.5	39	48	M10	49	

Technical data								
Size	Spider Shore-GS <sup>1)</sup>	Shore scale	Max. speed [rpm]	Torque [Nm]		Static torsion spring stiffness [Nm/rad]	Weight per hub with max. bore [kg]	Mass moment of inertia J per hub with max. bore [kgm <sup>2</sup> ]
				$T_{KN}$	$T_{K \max}$			
19	80	A	9550	6.0	12.0	618	$77 \times 10^{-3}$	$19.6 \times 10^{-6}$
	92	A		12.0	24.0	1090		
	98	A		21.0	42.0	1512		
	64	D		26.0	52.0	2560		
24	92	A	6950	35	70	2280	$161 \times 10^{-3}$	$77.3 \times 10^{-6}$
	98	A		60	120	3640		
	64	D		75	150	5030		
28	92	A	5850	95	190	4080	$240 \times 10^{-3}$	$173 \times 10^{-6}$
	98	A		160	320	6410		
	64	D		200	400	10260		
38	92	A	4750	190	380	6525	$470 \times 10^{-3}$	$496 \times 10^{-6}$
	98	A		325	650	11800		
	64	D		405	810	26300		
42	92	A	4000	265	530	10870	$1770 \times 10^{-3}$	$2409 \times 10^{-6}$
	98	A		450	900	21594		
	64	D		560	1120	36860		

<sup>1)</sup> For selections see page 22 et seqq/other spiders see page 123 and following

<sup>2)</sup> Static torsion spring stiffness with  $0.5 \times T_{KN}$

To make sure that the coupling can be assembled/disassembled radially, observe the insertion dimension  $x_1/x_2$  of the shafts.

Review of shaft-hub-connection: Friction torques $T_R$ [Nm] for hub design 7.8																							
Size	Ø8	Ø10	Ø11	Ø14	Ø15	Ø16	Ø18	Ø19	Ø20	Ø22	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	Ø46	Ø48	Ø50
19	17	21	23	30	32	34	38	40	42														
24		21	23	30	32	34	38	40	42	47	51	53	59										
28				54	58	62	70	74	78	86	93	97	109	117	124	136	148						
38							70	74	78	86	93	97	109	117	124	136	148	156	163	175			
42										136	149	155	174	186	198	217	235	248	260	279	285	297	310

Ordering example:	ROTEX® GS 38	A-H	98 ShA-GS	7.8 - Ø38		7.9 - Ø30	
	Coupling size	Type	Spider hardness	Hub design	Finish bore	Hub design	Finish bore