



RGS Couplings for servo-motors



Torque: **0.5 to 190Nm**

- No-wear elastic couplings
- No maintenance
- Low inertia and reduced size
- Easy blind assembly using standard screws
- Dampens vibration
- Electrically insulated

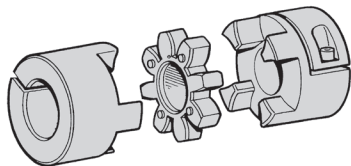
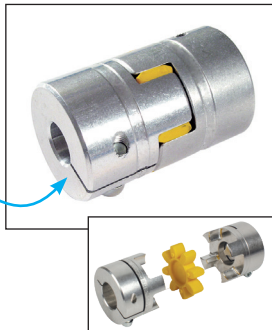
Definition

- TKN Nominal torque (Nm)
- TKMAX Max. torque (Nm)

Info

- Delivered not assembled

clamp fixing



✓ STANDARD BORE IN STOCK

DISCOUNTS

Qty	1+	5+	10+	25+
Disc.	List	-6%	-12%	On request

Transmissible torque (Nm) by friction for split hub

Part number	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø10	Ø12	Ø14	Ø15	Ø16	Ø19	Ø20	Ø24	Ø28	Ø30	Ø32	
RGS-AL-5	-	-																
RGS-AL-7		0,65	0,70	0,74	0,79													
RGS-AL-9		1,48	-	1,43	-	1,79	1,94											
RGS-AL-14			3,32	3,43	-	3,67	3,91	4,14	4,38									
RGS-AL-19							18,90	-	20,80	21,3	21,7	-	23,6					
RGS-AL-24												27,5	28	29,0	31			
RGS-AL-28														62,0	66	69	71	73

Part number	Max. speed (rpm)	Torsional stiffness		Radial stiffness (N/mm)	Torque (Nm)			Misalignment		
		static (Nm/rad)	dynamic (Nm/rad)		T_{KSP}	T_{KN}	T_{KMAX}	axial (mm)	radial (mm)	angular
RGS-AL-5	38 000	5,16	16	154	0,08	0,50	1,00	+0,4/-0,2	0,06	1°
RGS-AL-7	27 000	14,30	43	219	0,20	1,20	2,40	+0,6/-0,3	0,10	1°
RGS-AL-9	19 000	31,50	95	262	0,45	3,00	6,00	+0,8/-0,4	0,13	1°
RGS-AL-14	127 000	114,60	344	336	1,00	7,50	15,00	+1/-0,5	0,15	1°
RGS-AL-19	9 550	1090,00	1720	1120	2,50	12,00	24,00	+1,2/-0,5	0,10	1°
RGS-AL-24	6 950	2280,00	4010	1480	-	35,00	70,00	+1,4/-0,5	0,14	1°
RGS-AL-28	5 850	4080,00	6754	1780	-	95,00	190,00	+1,5/-0,7	0,15	1°

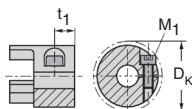
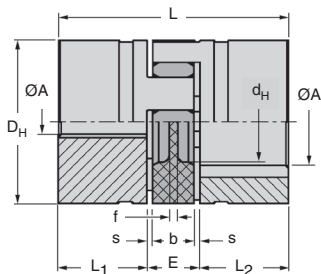
Dimensions in mm

Characteristics

- Long-life
- Fixed by clamping jaw (except RGS-AL-5)
- Single-slit split hub (except RGS-AL-24 and RGS-AL-28 double slit)
- Preconstrained raised coupling
- Working temperature: -40°C to +90°C (occasional -50°C to +120°C)
- Materials:
 - Hub: aluminium
 - Ring: polyurethane elastic (92 Shore A)

Uses

- Measuring and control instruments
- Servo-control, ball-screw systems
- Machine tools



DISCOUNTS

Qty	1+	5+	10+	25+
Disc.	List	-6%	-12%	On request

Part number	Clamping screw			Tightening torque T _A (Nm)
	M ₁	t ₁	ØD _K	
RGS-AL-5	M1,2	2,5	11,4	-
RGS-AL-7	M2,0	3,5	16,5	0,37
RGS-AL-9	M2,5	5,0	23,4	0,76
RGS-AL-14	M3,0	5,0	32,2	1,34
RGS-AL-19	M6,0	12,0	45,7	10,50
RGS-AL-24	M6,0	10,5	56,4	10,50
RGS-AL-28	M8,0	11,5	72,6	25,00

Part number	Standard bore									Price each 1 to 4
	ØA (H7)	D _H	d _H	L	L ₁ :L ₂	E	b	s	f	
RGS-AL-5	Plein	10	-	15	5	5	4	0,5	4,0	40,38 €
RGS-AL-7	4, 5, 6, 7	14	-	22	7	8	6	1,0	6,0	68,24 €
RGS-AL-9	4, 6, 8, 10	20	7,2	30	10	10	8	1,0	1,5	68,71 €
RGS-AL-14	5, 6, 8, 10, 12, 14	30	10,5	35	11	13	10	1,5	2,0	76,80 €
RGS-AL-19	10, 14, 15, 16, 20	40	18,0	66	25	16	12	2,0	3,0	178,90 €
RGS-AL-24	16, 19, 20, 24, 25	55	27,0	78	30	18	14	2,0	3,0	214,29 €
RGS-AL-28	20, 24, 25, 28, 30, 32	65	30,0	90	35	20	15	2,5	4,0	279,92 €

Dimensions in mm

Our other products



BCAss
Stainless steel splined bush, Inox



BIM
Indexing plunger mini, miniature



T10_21N1F
T type timing pulley, Economy range - T10 moulded plastic (nylon)



BLH40
Right angled gearbox, from 3 to 10.30 Nm



GG1
Ground spur gear, Heat treated steel



DCA
Suction cup, 1.5 bellows, natural rubber



SCE_SS
Stainless steel U-shaped clamp, Stainless steel



DER63
Stainless steel AC asynchronous motor 0.18 kW, 0.18kW



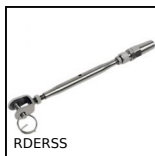
GCB880
Curved track for slat top chain, Ranges 880 and 881



CHINV
Invisible hinge, Invisible - 90° opening



PSG125S
Spur gear - precision range, Stainless steel 316



RDERSS
Stainless steel manual rigging screw, Stainless steel - manual

Complementary products



DKGS
Backlash free coupling Gerwah®, from 0.5 to 3Nm



EKGS
Backlash free coupling Gerwah®, from 0.5 to 35Nm



RTE
Rotex®, jaw coupling, Aluminium