

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

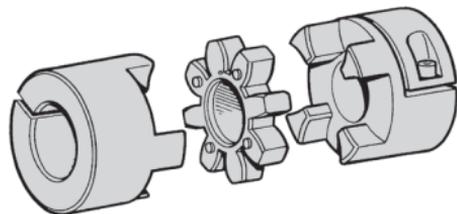
Definition

- 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°

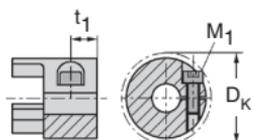
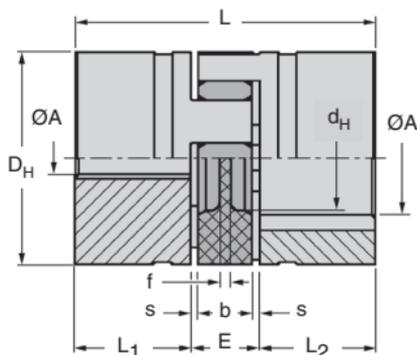
Dimensions in mm

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 $+90^{\circ}\text{C}$ (occasional -50°C to $+120^{\circ}\text{C}$)
- 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	$\text{Ø}D_K$	
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
	$\text{Ø}A$ (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

Altri prodotti...



GAC
Chiusura a leva con serratura, Riscontro grezzo



SSG1
Ingranaggio dritto
Inox, Inox 304L



EKGS
Giunto senza gioco
Gerwah®, da 0.5 a
35Nm



DBL820
Rotella per catena,
Serie 820 e 815



BWU
Guida lineare di
precisione, da 1510 N
a 10500 N



HDSS
Giunto cardanico -
inox, Sollecitazioni
intense



KB_OP
Manicotto a sfere di
precisione, Di
precisione - acciaio



DTR
Pignone tendicatena,
Ruota dentata in
plastica



SH2
Ingranaggio elicoidale
ad assi paralleli,



PSP
Accessori per
pannello, Profilo



RAGb
Cylindrical brush
track, For gentle



PSG2S
Ingranaggio dritto di
precisione, Inox 316

Prodotti correlati



DKGS
Giunto senza gioco
Gerwah®, da 0.5 a
3Nm



EKGS
Giunto senza gioco
Gerwah®, da 0.5 a
35Nm



RTE
Rotex®, elastico,
Alluminio