



RGS Couplings for servo-motors



Torque: **0.5 to 190Nm**

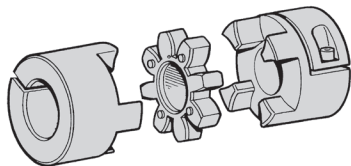
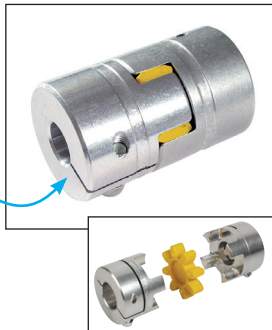
- No-wear elastic couplings
- No maintenance
- Low inertia and reduced size
- Easy blind assembly using standard screws
- Dampens vibration
- Electrically insulated

Definition

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

Info

- Delivered not assembled



✓ 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°

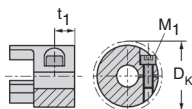
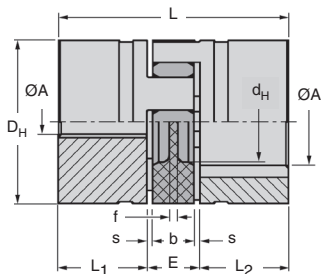
Dimensions in mm

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

Our other products



CHAL3

Piano hinge,
Aluminium



BIMSS

Indexing plunger mini,
miniature - Stainless
steel



MEF

Cylindrical sintered
ferrous bush, Self-
lubricating FP20
ferrous all...



PRF JL5

Lip seal for panel,
Door seal - Ø 5mm



T10_30_AL

T type timing pulley,
Economy range - T10
aluminium



DBL820

Idler for slat top
chain, Ranges 820
and 815



CHMR

Reaction arm, CHM
and CHMR gear
reducers reaction arm



ACL

Joints for aluminium
profile, Variable angle
hinge



HW_HT

Half-rail guide, Wheel



PFM

Fixed levelling foot,
Flanged plate



NTM

Nylon tipped set
screw, Nylon-point



CHAGC-AL

Screw-in garnet
hinge, Screw-on

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