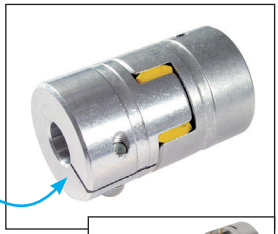
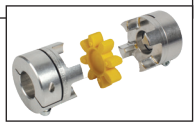
RGS KTR Couplings for servo-motors

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



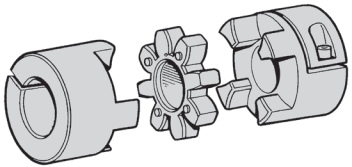


Definition

- 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

Part number	Transmissible torque (Nm) by friction for split hub																	
	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 static (Nm/rad)	Torsional stiffness dynamic (Nm/rad)	Radial stiffness (N/mm)	Torque (Nm) T_{KSP}	Torque (Nm) T_{KN}	Torque (Nm) T_{KMAX}	Misalignment axial (mm)	Misalignment radial (mm)	Misalignment 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°

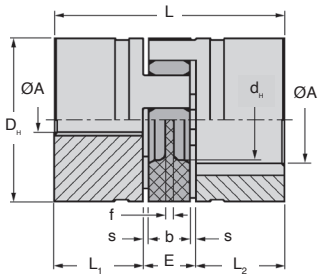
Dimensions in mm

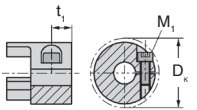
Characteristics

- 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

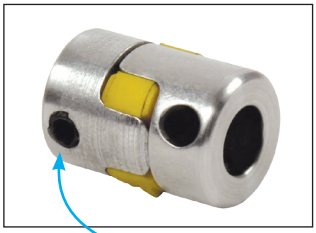
Part number	Clamping screw M_1	t_1	$ØD_K$	Tightening torque T_A (Nm)
RGS-AL-5	M1,2	2,5	11,4	-
RGS-AL-7	M2,0	3,5	16,5	0,37
RGS-AL-9	M2,5	5,0	23,4	0,76
RGS-AL-14	M3,0	5,0	32,2	1,34
RGS-AL-19	M6,0	12,0	45,7	10,50
RGS-AL-24	M6,0	10,5	56,4	10,50
RGS-AL-28	M8,0	11,5	72,6	25,00

Part number	Standard bore ØA (H7)	D_H	d_H	L	L_1;L_2	E	b	s	f	Price each 1 to 4
RGS-AL-5	Plain	10	-	15	5	5	4	0,5	4,0	56,36 €
RGS-AL-7	4, 5, 6, 7	14	-	22	7	8	6	1,0	6,0	95,28 €
RGS-AL-9	4, 6, 8, 10	20	7,2	30	10	10	8	1,0	1,5	95,95 €
RGS-AL-14	5, 6, 8, 10, 12, 14	30	10,5	35	11	13	10	1,5	2,0	107,25 €
RGS-AL-19	10, 14, 15, 16, 20	40	18,0	66	25	16	12	2,0	3,0	235,93 €
RGS-AL-24	16, 19, 20, 24, 25	55	27,0	78	30	18	14	2,0	3,0	299,30 €
RGS-AL-28	20, 24, 25, 28, 30, 32	65	30,0	90	35	20	15	2,5	4,0	390,97 €

Dimensions in mm

EKGS GERWAH® Servo insert coupling
Torque range: 0.5 to 35 Nm

- ***Elastic backlash free coupling***
- *Reliable torque transmission*
- *Maintenance free*
- *Low inertia/size*
- *Easy to assembly, even in confined spaces*
- *Reduces vibration*
- *Materials:*
  Body: Aluminium
  Spider: Polyurethane 92 Shore A (Yellow)



Applications

- *Metrology, control systems, driving, machine tools, driving lead screws*

Torque (Nm) transmissible for hub secured using set screws

Bore size	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9	Ø10	Ø11	Ø12	Ø13	Ø14	Ø15	Ø16	Ø17	Ø18	Ø20	Ø22	Ø24	Ø28
EKGS-5	0,5	0,5	0,5																	
EKGS-7	1,2	1,2	1,2	1,2	1,2	1,2														
EKGS-9	3	3	3	3	3	3	3	3	3	3										
EKGS-14	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5						
EKGS-19				10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
EKGS-24						20	22	24	26	29	31	34	35	35	35	35	35	35	35	35

Part number	Transmissible nominal (Nm)	Tightened torque (Nm)	Max speed (rpm)	Moment of inertia (10^{-6} kgm^2)	Misalignment axial (Nm)	radial (Nm)	angular
EKGS-5	0,5	1,3	47500	0,034	-0,2/+0,4	0,06	1°
EKGS-7	1,2	1,3	34000	0,196	-0,3/+0,6	0,10	1°
EKGS-9	3	3	24000	1,08	-0,4/+0,8	0,13	1°
EKGS-14	7,5	6	16000	5,7	-0,5/+1,0	0,15	1°
EKGS-19	10	6	12000	36	-0,5/+1,2	0,10	1°
EKGS-24	35	6	8500	162	-0,5/+1,4	0,14	1°

Dimensions in mm



Characteristics

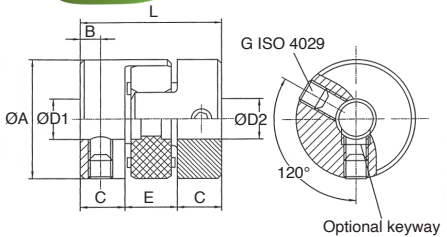
- Hardwearing
- Fixed using set screws
- Couplings are mounted pre-tensioned
- Shaft tolerance should be g6 or h7
- Contact surfaces should be free of grease

Bore

- Choose ØD1 and ØD2from the ranges shown

Option

- Keyway according to DIN6885-1



DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

Part number	L	ØA	E	ØD1/ ØD2 No keyway	ØD1/ ØD2 with keyway	C	B	G	Weight (g)	Price each No keyway	Price each with keyway
EKGS-5	15	10	5	2-5	-	5	2,5	1xM3	5	41,88 €	-
EKGS-7	22	14	8	3-8	6-8	7	2,5	1xM3	9	43,39 €	43,39 €
EKGS-9	30	20	10	3-12	6-10	10	5	2xM4	17	45,08 €	45,08 €
EKGS-14	35	30	13	4-16	6-16	11	5	2xM6	41	56,69 €	56,69 €
EKGS-19	66	40	16	6-24	6-24	25	10	2xM6	138	71,72 €	71,72 €
EKGS-24	78	55	18	8-35	8-35	30	10	2xM6	282	89,99 €	89,99 €

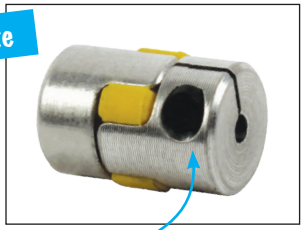
Dimensions in mm

DKGS GERWAH

Servo insert coupling
Torque range: 0.5 to 3 Nm

- **Elastic backlash free coupling**
- Reliable torque transmission
- Maintenance free
- Low inertia/size
- Easy to assemble, even in confined spaces
- Reduces vibration
- Materials:
  Hub: Aluminium
  Spider: Polyurethane 92 Shore A (Yellow)

Small size



Secured by a clamping hub

Applications

- Metrology, control systems, driving, machine tools, driving lead screws

Torque (Nm) transmissible by friction for a split hub

Bore size	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9	Ø10	Ø11
DKGS-5	0,5	0,5	0,5	-	-	-	-	-	-	-
DKGS-7	-	0,8	1,1	1,2	1,2	1,2	-	-	-	-
DKGS-9	-	1,5	2	2,5	2,9	3	3	3	3	3

Part number	Nominal torque (Nm)	Tightened torque (Nm)	Max speed (rpm)	Moment of inertia (10^{-6} kg.m^2)	Misalignment axial (Nm)	Misalignment radial (Nm)	Misalignment angular
DKGS-5	0,5	0,25	38000	0,034	-0,2/+0,4	0,06	1°
DKGS-7	1,2	0,35	27000	0,196	-0,3/+0,6	0,10	1°
DKGS-9	3	0,75	19000	1,08	-0,4/+0,8	0,13	1°

Dimensions in mm

Characteristics

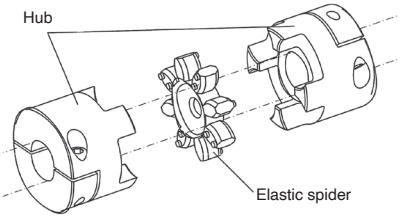
- Hardwearing
- Secured by a clamping hub
- Couplings are mounted pre-tensioned
- Shaft tolerance should be g6 or h7
- Contact surfaces should be grease free

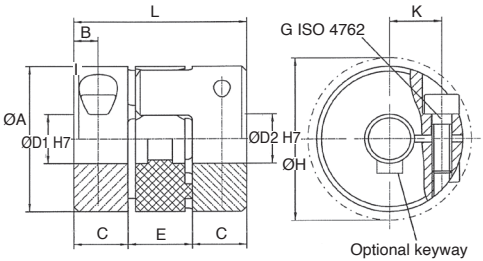
Bore

- Choose ØD1 and ØD2from the ranges shown

Option

- Keyway according to DIN6885-1





DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

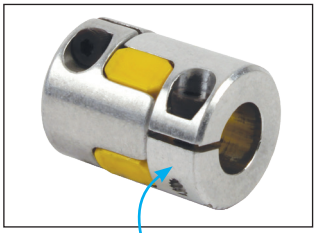
Part number	L	ØA	K	ØH	E	ØD1/ ØD2 ØD1/ ØD2 No keyway	with keyway	C	B	G	Weight (g)	Price each No keyway	with keyway
DKGS-5	15	10	3,2	11,5	5	2-4	-	5	2,5	M1,6	5	45,31 €	-
DKGS-7	22	14	5	16,5	8	3-7	6 -7	7	3,5	M2	9	47,03 €	47,03 €
DKGS-9	30	20	7,3	23,5	10	3-11	6 -11	10	5	M2,5	15	48,54 €	48,54 €

Dimensions in mm

BKGS GERWAH BKGS2

Servo insert coupling
Torque range: 1.2 to 450 Nm

- **Elastic backlash free coupling**
- Reliable torque transmission
- Maintenance free
- Low inertia/size
- Easy to assemble, even in confined spaces
- Reduces vibration
- Materials:
  Hub: Aluminium
  Ring: Polyurethane 98 Shore A (Red) except sizes 7 and 9 which are Shore 92 A (Yellow)



With 1 or 2 tightening screw depending on the size

Applications

- Metrology, control systems, driving, machine tools, driving lead screws

Torque (Nm) transmissible by friction for a split hub

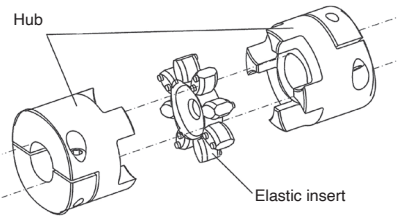
Bore size	Ø3	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø15	Ø18	Ø20	Ø25	Ø26	Ø28	Ø30	Ø35	Ø40	Ø45	Ø50	Ø55	Ø56
BKGS-7	0,7	0,9	1,1	1,2																	
BKGS-9		1,7	2,1	2,4	3,0	3,0															
BKGS2-12		3,5	4,3	5,1	6,8	8,4	9														
BKGS2-14			8,4	10,2	12,5	12,5	12,5	12,5	12,5												
BKGS2-19					17	17	17	17	17	17	17										
BKGS2-24						35	42	48	52	60	60	60	60	60	60						
BKGS2-28								96	102	121	133	160	160	160	160	160					
BKGS2-38									143	172	191	238	248	267	286	325	325	325			
BKGS2-42											221	277	288	310	332	387	443	450	450	450	450

Part number	Transmissible torque (Nm)	Max. speed (rpm)	Moment of inertia (10^{-6} kg.m^2)	Misalignment axial (mm)	radial (mm)	angular	Tightening torque (Nm)
BKGS-7	1,2	27000	0,0001	-0,3/+0,6	0,10	1°	0,35
BKGS-9	3	19000	0,0002	-0,4/+0,8	0,13	1°	0,75
BKGS2-12	9	15000	0,00296	+0,9/-0,4	0,08	0,9°	2,1
BKGS2-14	12,5	13000	0,006	-0,5/+1,0	0,09	0,9°	5
BKGS2-19	17	10000	0,029	-0,5/+1,2	0,06	0,9°	10
BKGS2-24	60	7000	0,121	-0,5/+1,4	0,10	0,9°	18
BKGS2-28	160	6000	0,236	-0,7/+1,5	0,11	0,9°	43
BKGS2-38	325	5000	0,797	-0,7/+1,8	0,12	0,9°	84
BKGS2-42	450	4000	1,779	-1,0/+2,0	0,14	0,9°	84

Dimensions in mm

Characteristics

- Hardwearing
- Clamping hub
  BKGS: clamp with 1 tightening screw
  BKGS2: clamp with 2 tightening screws
- Coupling mounted under pre-tension
- Shafts must have g6 or h7 tolerance
- Degrease surfaces before assembly

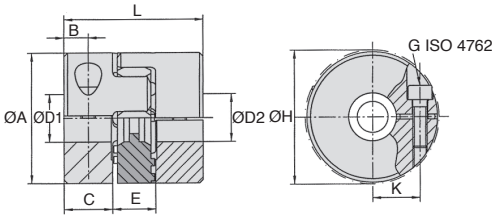


Bore

- Choose ØD1 and ØD2from within the range shown

Option

- Keyway according to DIN6885-1



DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

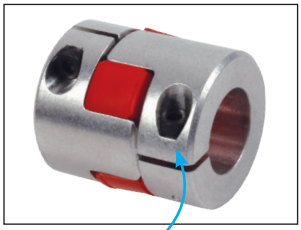
Part number	L	ØD1	ØH	ØD1/ØD2 With keyway	ØD1/ØD2 Without keyway	C1	H3	N	K	ØM	Price each Without keyway	Price each With keyway
BKGS-7	20	14	17	3-7	6-7	6	8	3	5	1xM2	52,62 €	52,62 €
BKGS-9	26	19,5	23	4-11	6-11	8	10	4	7,5	1xM2,5	57,77 €	57,77 €
BKGS2-12	34	24,5	26	4-12	6-12	11	12	5	8,1	2xM3	79,22 €	79,22 €
BKGS2-14	32	29,5	33	5-15	6-15	9,5	13	5	10,5	2xM4	94,31 €	94,31 €
BKGS2-19	50	39,5	45	8-20	8-20	17	16	8	14	2xM6	112,76 €	112,76 €
BKGS2-24	58	54,5	57	10-32	10-32	18	18	7	20	2xM6	143,16 €	143,16 €
BKGS2-28	62	64,5	68	14-35	14-35	21	20	9	23,8	2xM8	191,15 €	191,15 €
BKGS2-38	85	79,5	86	15-45	15-45	26,5	23	13	29,5	2xM10	363,23 €	363,23 €
BKGS2-42	102	94,5	95	20-56	20-56	38	26	13,5	35	2xM10	677,35 €	677,35 €

Dimensions in mm

ADSR GERWAH

Servo insert coupling
Torque range: 12.5 to 525 Nm

- **Elastic backlash free coupling**
- Reliable torque transmission
- Maintenance free
- Low inertia/size
- Easy to assemble, even in confined spaces
- Reduces vibration
- Materials:
  Hub- Aluminium
  Ring- Polyurethane 98 Shore A (Red)



Applications

- Metrology, control systems, driving, machine tools, driving lead screws

Torque (Nm) transmissible by friction for a split hub

Part number	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø20	Ø25	Ø30	Ø35	Ø40	Ø45	Ø50	Ø55
ADSR-14	4,8	6,0	7,7	9,4	11	12,5	12,5								
ADSR-19		16	17	17	17	17	17	17							
ADSR-24				37	43	50	56	60	60	60					
ADSR-28				61	72	83	94	114	138	160	160				
ADSR-38					87	100	113	138	168	197	225	251	277		
ADSR-42						174	197	242	296	348	398	450	450		
ADSR-48							276	343	424	502	525	525	525	525	525

Part number	transmissible torque (Nm)	Tightened torque (Nm)	Max speed (rpm)	Moment of inertia 10^{-3} kg.m²	Misalignment axial (mm)	radial (mm)	angular
ADSR-14	12,5	2	13000	0,006	-0,5/+1,0	0,09	0,9°
ADSR-19	17	11	10000	0,036	-0,5/+1,2	0,06	0,9°
ADSR-24	60	15	7000	0,15	-0,5/+1,4	0,10	0,9°
ADSR-28	160	32	6000	0,33	-0,7/+1,5	0,11	0,9°
ADSR-38	325	38	5000	0,96	-0,7/+1,8	0,12	0,9°
ADSR-42	450	84	4000	4,92	-1,0/+2,0	0,14	0,9°
ADSR-48	525	145	3600	8,26	-1,0/+2,1	0,16	0,9°

Dimensions in mm

Characteristics

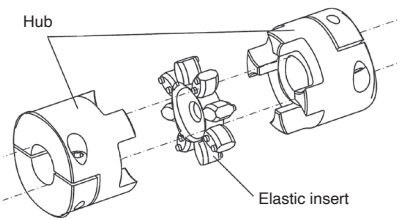
- Hardwearing
- Secured by a clamping hub
- Coupling mounted under pre-tension
- Shafts must have g6 or h7 tolerance
- Degrease surfaces before assembly

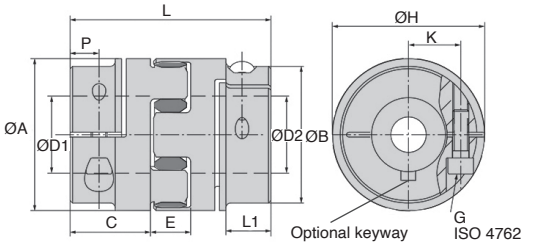
Bore

- Choose ØD1 and ØD2 from within the range shown

Option

- Keyway according to DIN6885-1





DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

Part number	L	L1	ØB	K	ØA	ØH	E	ØD1/ ØD2	C	P	G	Weight (kg)	Price each No keyway	Price each with keyway
ADSR-14	35	-	-	11	30	32,2	13	5-16	11	5	M3	0,042	72,81 €	72,81 €
ADSR-19	66	-	-	14,5	40	46	16	6-20	25	12	M6	0,158	103,52 €	103,52 €
ADSR-24	78	-	-	20	55	57	18	10-32	30	10,5	M6	0,304	121,12 €	121,12 €
ADSR-28	90	-	-	24,5	65	71	20	10-38	35	11,5	M8	0,505	156,77 €	156,77 €
ADSR-38	114	-	-	30	80	83	24	12-48	45	15,5	M8	0,934	242,25 €	242,25 €
ADSR-42	126	28	85	32,5	95	91	26	14-54	50	18	M10	3,8	828,38 €	828,38 €
ADSR-48	140	32	95	37	105	106	28	15-60	56	21	M12	4,9	968,65 €	968,65 €

Dimensions in mm