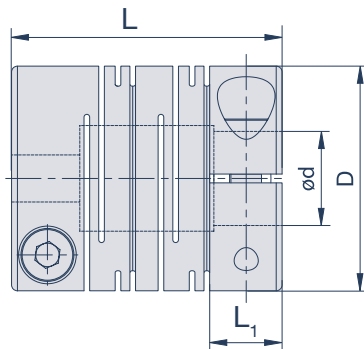


Sliflex GRC-A | Aluminium

Clamping hub version



Specifications

Size	D mm	L mm	M	T _A Nm	max. rpm min ⁻¹	T _{KN} Nm	C _T Nm/rad	g g	Misalignment		
									radial mm	angular °	axial mm
GRC12-A	12,7	19	M2	0,5	35.000	0,2	40	4,4	0,1	2,5	0,3
GRC16-A	16	21,5	M2,6	1	27.000	0,4	75	8,2	0,15	2,5	0,3
GRC19-A	19,1	23	M2,6	1	20.000	0,6	150	12	0,15	2,5	0,3
GRC22-A	22,2	26,5	M3	1,7	18.000	1	200	17,9	0,15	2,5	0,4
GRC26-A	26,2	31,5	M3	1,7	17.000	2	340	29,9	0,2	2,5	0,4
GRC32-A	31,8	39	M4	3,5	14.000	3,8	450	62,3	0,2	2,5	0,4
GRC39-A	39	56	M5	8	10.000	7,0	640	117	0,25	2,5	0,4
GRC49-A	49	70	M6	13	8.400	15	1.500	258	0,25	2,5	0,5
GRC60-A	60	88	M8	30	7.000	30	2.500	483	0,25	2,5	0,5

M= Screw size, T_A= Tightening torque, T_{KN}= Nominal torque, C_T= Torsional stiffness, g= Mass

Bore diameters

Size	d (mm)														
	3	4	5	6	8	10	12	14	15	16	18	19	20	24	25
GRC12-A	•	•	•												
GRC16-A	•	•	•	•											
GRC19-A		•	•	•	•										
GRC22-A			•	•	•	•									
GRC26-A			•	•	•	•	•								
GRC32-A					•	•	•	•	•						
GRC39-A						•	•	•	•	•					
GRC49-A							•	•	•	•	•	•	•		
GRC60-A									•	•	•	•	•	•	•

Ordering example

GRC26-A ø10 ø12

Sliflex Size 26, Bore 10 and 12



The various technical parameters play a decisive role in the selection of the Sliflex. Parameters such as maximum speeds, occurring shaft misalignments and drive torque should be taken into account. The required coupling size can be roughly calculated using the following formula:

Serie GRC

$$T_{KN} > T_A \times C_S$$

The nominal torque T_{KN} of the selected coupling size should be greater than the drive torque T_A in Nm (derived from the manufacturer's specification of the drive motor) multiplied by the operating factors of the application.

For servo applications, it should be noted that the acceleration torque of these servomotors is many times higher than their rated torques. The design is based on the highest peak torque to be transmitted regularly on the drive side (e.g. the maximum acceleration torque in Nm for servomotors)

Shock factor C_S

	Continuous motion sequence	Dynamic motion sequence with frequent start-stop	Dynamic motion sequence with frequent reversing operation
Factor C_S	1,0	2,0	4,0

Please note the maximum permissible bore diameter and the corresponding displacement capacity for the selected coupling size. These can be found in the table for the corresponding coupling size.

General technical specifications

Material

GRC-A: High-strength aluminium alloy 3.4365 AlZn5.5MgCu or EN AW-2024-AlCu4Mg1 additionally anodised to protect against corrosion

Clamping screws: EN ISO 4762/DIN 912 12.9

GRC-SS: Stainless steel 1.4305 X10CrNiS18-9

Clamping screws: DIN 912 A2

Temperature range

Aluminium version: -30°C bis +100°C

Stainless steel version: -30°C bis +140°C

*„briefly and concisely ...
explained“*

OUR PICTOGRAMS



High temperature resistance



Vibration damping



Axially pluggable



High radial misalignment



Backlash-free



Torsionally rigid



High angular misalignment



High speeds



Electrically insulating



Corrosion resistant