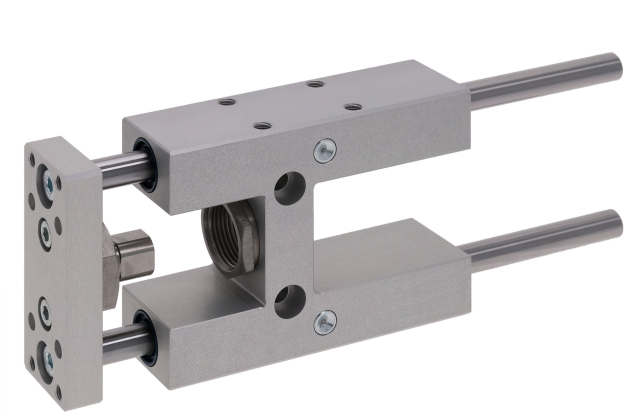
Guide unit GH2, Series CG1

0821401301

AVENTICS Guide units



Technical data

Industry	Industrial
Piston Ø	20 mm
Stroke	100 mm
Bearing type	Linear ball bearing
For standard cylinders	ISO 6432
Min. ambient temperature	-20 °C
Max. ambient temperature	80 °C
Weight 0 mm stroke	0.73 kg
Weight +10 mm stroke	0.012 kg

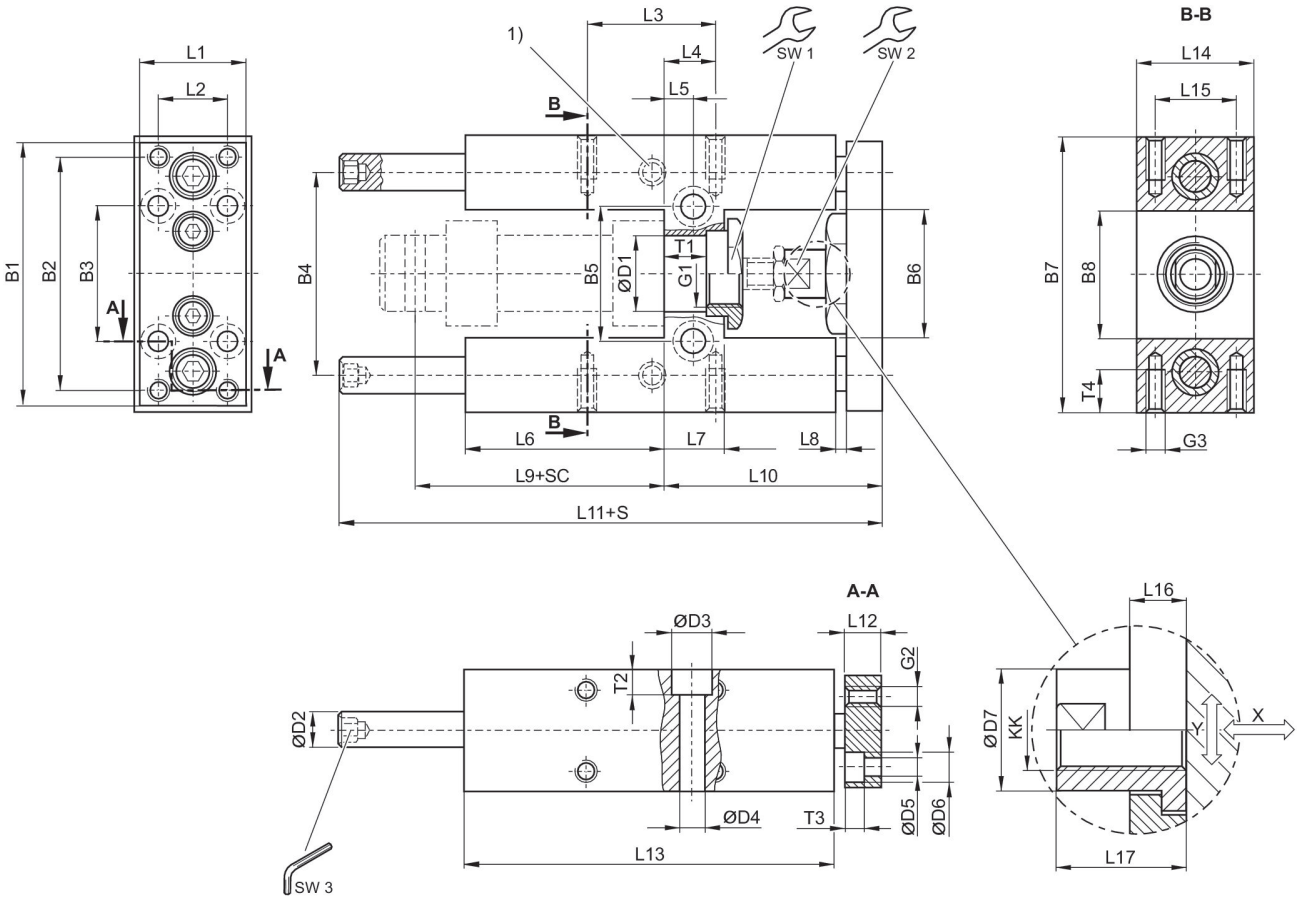
Material

Bearing housings	Aluminum
Surface bearing housing	colorless anodized
Bearing type	Steel, chrome-plated
Carrying plate	Aluminum
Surface carrying plate	colorless anodized
Material flexible coupling in carrying plate	Stainless Steel
Material guide rods	Hardened heat-treated steel
Part No.	0821401301

Technical information

Guide units for cylinder Ø 12 also fit on cylinder Ø 16

Dimensions



1) Lube nipple
S = stroke
SC = cylinder stroke
X = max. play (axial)
Y = min. play (radial)
Hexagon in guide rod

Piston Ø	Part No.	B1	B2	B3	B4	B5	B6	B7	B8	D1
12	0821401395	63	54	32	46	24	27	65	27	16 H7
20	0821401300	76	68	40	58	38	37	79	37	22 H7
25	0821401310	76	68	40	58	38	37	79	37	22 H7

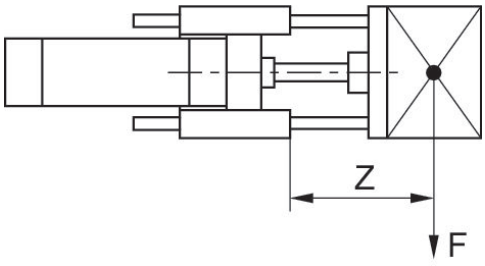
Piston Ø	D2	D3	D4	D5	D6	D7	G1	G2	G3	KK
12	8	–	5.5	4.5	8	10	M16x1,5	M4	M4	M6
20	10	11	6.6	5.5	10.5	14.5	M22x1,5	M5	M6	M8
25	10	11	6.6	5.5	10.5	14.5	M22x1,5	M5	M6	M10x1,25

Piston Ø	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
12	27	15	32.5	11	6.5	37	13	3	52.6	51
20	32	20	32.5	15	8.5	58	17	3	71	65
25	32	20	32.5	15	8.5	58	17	3	76	65

Piston Ø	L11	L12	L13	L14	L15	L16	L17	SW1	SW2	SW3
12	133	10	75	30	22	7	18	19	8	4
20	160.5	12	108	34	23	6	22	27	13	5
25	160.5	12	108	34	23	6	17	27	13	5

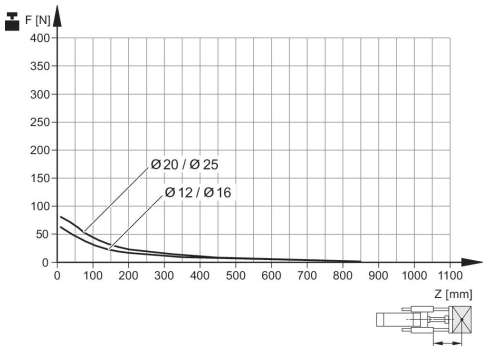
Piston Ø	T1	T2	T3	T4
12	10.6	–	4.6	8
20	11	7	5.7	14
25	11	7	5.7	14

Useful load



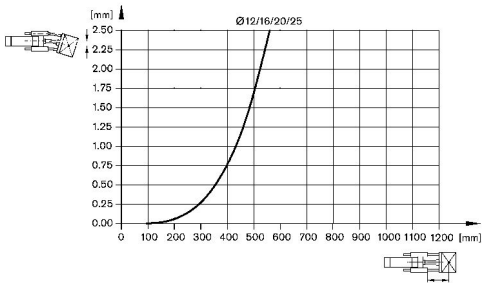
F = Useful load, Z = Projection

Useful load



Service life 5x10⁶ m
F = Useful load, Z = Projection

Bending due to own load



Bending due to 10 N load

