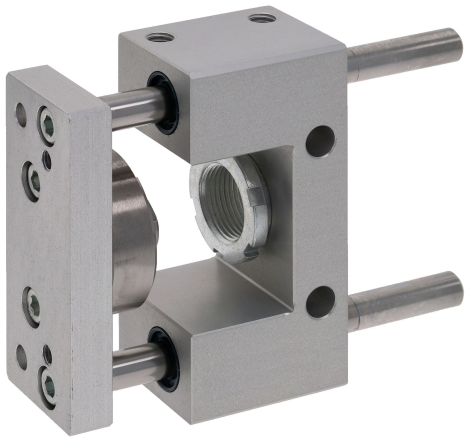
# Guide unit GU1, Series CG1

**0821401095**

**AVENTICS Guide units**



## Technical data

| | |
|---|---|
| Industry | Industrial |
| Piston Ø | 12 mm |
| Stroke | 50 mm |
| Bearing type | Plain bearing |
| For standard cylinders | ISO 6432 |
| Min. ambient temperature | -20 °C |
| Max. ambient temperature | 80 °C |
| Weight 0 mm stroke | 0.247 kg |
| Weight +10 mm stroke | 0.0078 kg |

## Material

| | |
|---|---|
| Bearing housings | Aluminum |
| Surface bearing housing | colorless anodized |
| Bearing type | Sintered bronze |
| Carrying plate | Aluminum |
| Surface carrying plate | colorless anodized |
| Material flexible coupling in carrying plate | Stainless Steel |
| Material guide rods | Hardened heat-treated steel |
| Surface guide rods | ground |

# Guide unit GU1, Series CG1

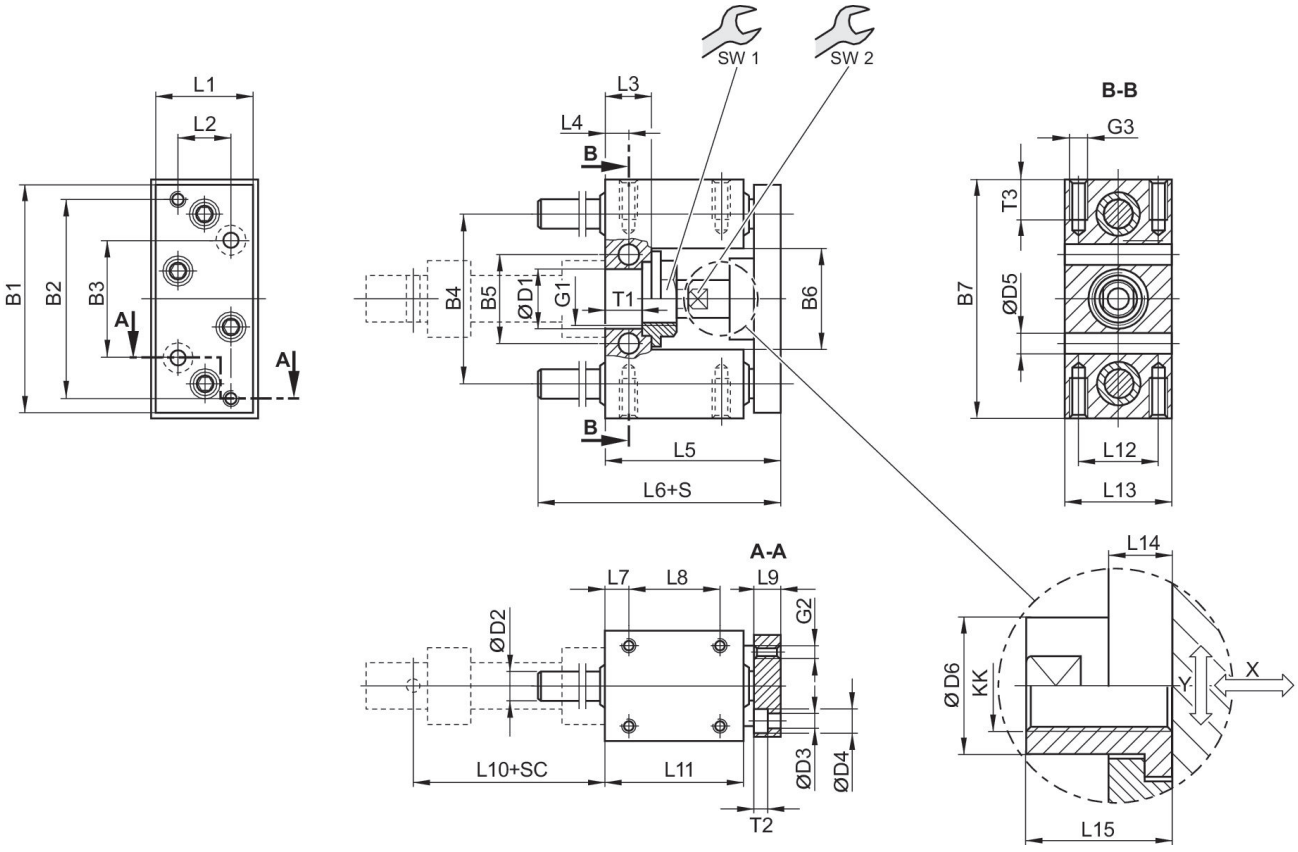
0821401095

| | |
|---|---|
| Part No. | 0821401095 |

## Technical information

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

## Dimensions




S = stroke
SC = cylinder stroke
X = max. play (axial)
Y = min. play (radial)

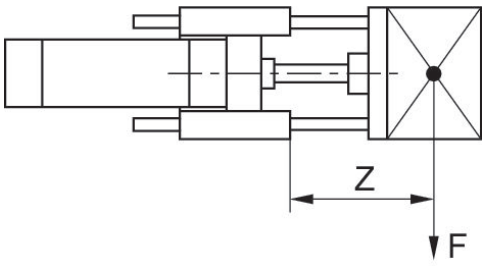
| Piston Ø | B1 | B2 | B3 | B4 | B5 | B6 | B7 | D1 | D2 | D3 |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 63 | 54 | 32 | 46 | 24 | 27 | 65 | 16 H7 | 8 | 4.5 |

| Piston Ø | D4 | D5 | D6 | G1 | G2 | G3 | KK | L1 | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 8 | 5.5 | 10 | M16x1,5 | M4 | M4 | M6 | 27 | 15 | 13 |

| Piston Ø | L4 | L5 | L6 | L7 | L8 | L9 | L10 | L11 | L12 | L13 |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 6.5 | 53 | 73 | 6.5 | 25 | 10 | 52.6 | 38 | 22 | 30 |

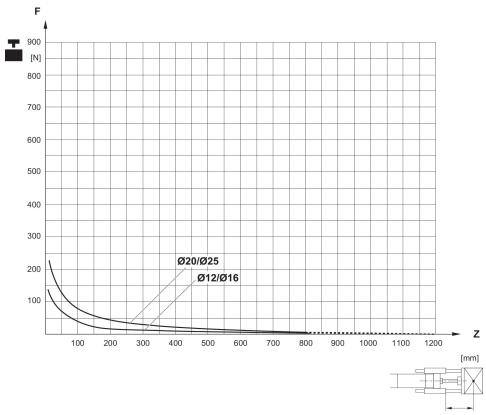
| Piston Ø | L14 | L15 | SW1 | SW2 | T1 | T2 | T3 |
|---|---|---|---|---|---|---|---|
| 12 | 7 | 18 | 19 | 8 | 10.6 | 4.6 | 8 |

## Useful load




F = Useful load, Z = Projection

## Useful load




F = Useful load, Z = Projection