# Compact cylinder, Series CCI-SC
## R452000660

**General series information**
AVENTICS Serie CCI-SC Stopper Compact
Cylinders

■ Pneumatic cylinders with reinforced piston
  rod, featuring high resistance to shocks
  and radial loads. Typically used in conveyor
  belts and other special machinery, to allow
  stopping loads smoothly and safely, up to
  90Kg weight. Mounting holes dimensions
  are compatible with ISO 21287.

## Technical data

| | |
|---|---|
| Industry | Industrial |
| Standards | Based on ISO 21287 |
| Piston Ø | 50 mm |
| Stroke | 30 mm |
| Ports | G 1/8 |
| Functional principle | Double-acting |
| Cushioning | Elastic cushioning |
| Magnetic piston | Piston with magnet |
| Cylinder special features | Axle pivot version |
| Pressure for determining piston forces | 6,3 bar |
| Retracting piston force | 730 N |
| Extracting piston force | 1237 N |
| Min. ambient temperature | -20 °C |
| Max. ambient temperature | 80 °C |
| Working pressure min. | 2 bar |

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| | |
|---|---|
| Working pressure max | 10 bar |
| Spring force max. | 82 N |
| Max. permissible radial bearing load | 6280 N |
| Max. permissible radial bearing load F during switching operation | 1500 N |
| Medium | Compressed air |
| Min. medium temperature | -20 °C |
| Max. medium temperature | 80 °C |
| Max. particle size | 50 µm |
| Oil content of compressed air max. | 5 mg/m³ |

## Material

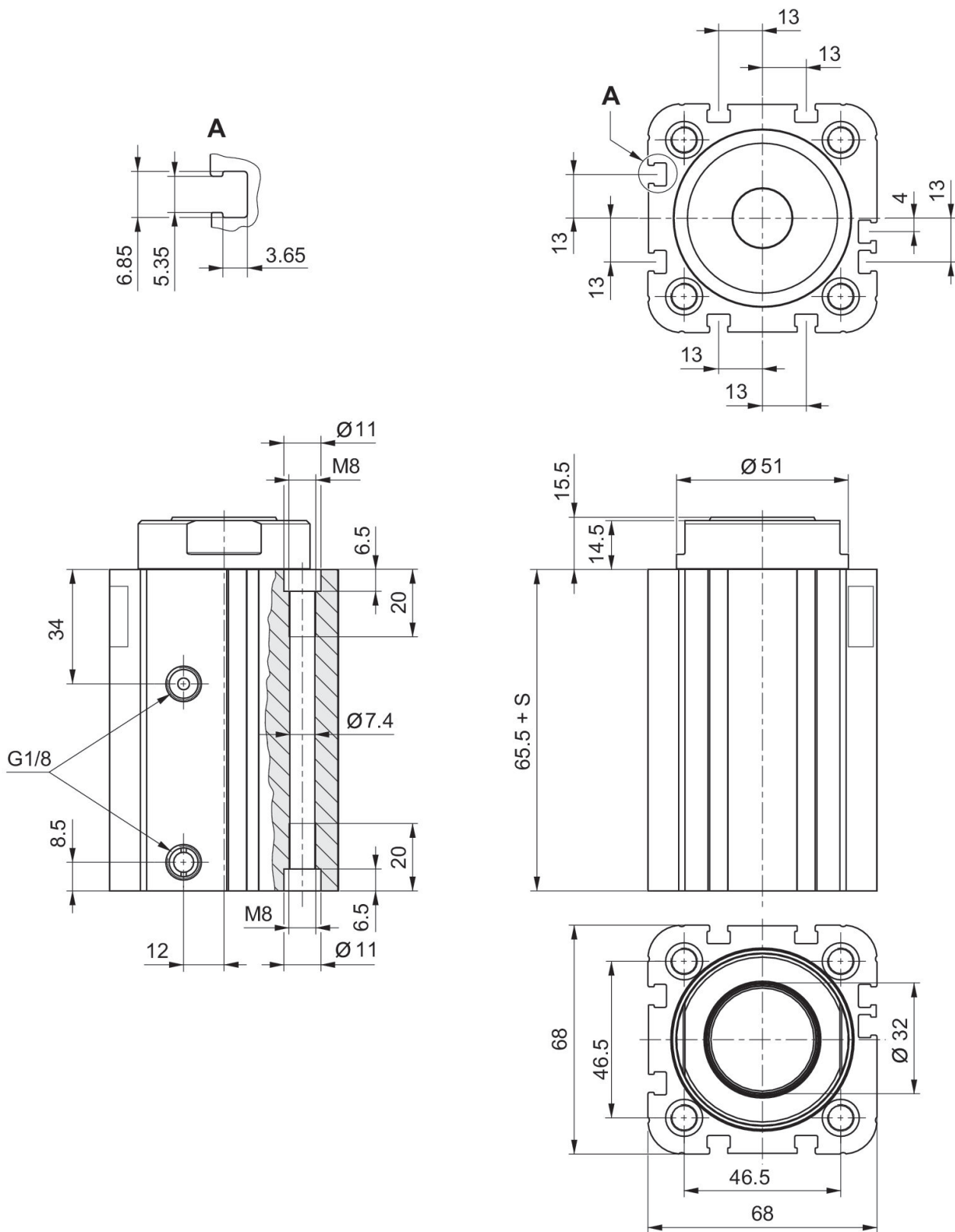| | |
|---|---|
| Piston rod | Stainless Steel |
| Material, front cover | Aluminum |
| Cylinder tube | Aluminum |
| End cover | Aluminum |
| Part No. | R452000660 |

## Technical information

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

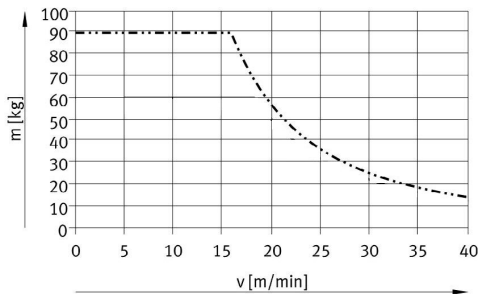The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in https://www.emerson.com/en-us/support).

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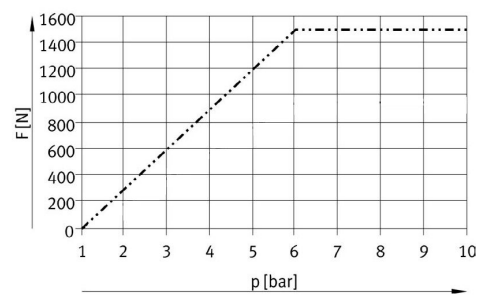EMERSON™

# Dimensions in mm

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## Maximum permissible moving mass depending on the impact speed
### Ø 50 mm
### Axle pivot version



## Max. permissible radial bearing load F during switching operation
### Ø 50 mm
### Axle pivot version

# Accessories overview



JP2
AT4
MT5/6
AB7
MP4
MP2
AA4
MP2
AA4
AB3
CS7
MS1
MF1/MF2
MP6
MP4
MP9
AB6
AB6
MP6
MP6
MS9

**CCI-SC**

ST6
SM6
SN3

**CCI-SC + MF1/MF2**

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