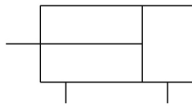


## CXSL, Dual Piston Rods, Ball Bushing Bearing CXSL15-20

### Datasheet

Series CXS is available in six bore sizes and stroke lengths up to 100mm. This series is very compact and has a very accurate non-rotating specification. It is suited for accurate pick-and-place applications or light duty material handling. The CXS can be used with either reed or solid state switches. Available in clean room versions.



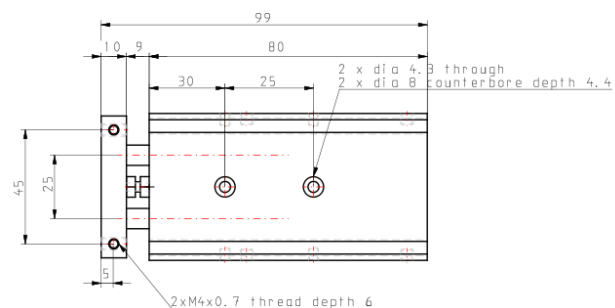
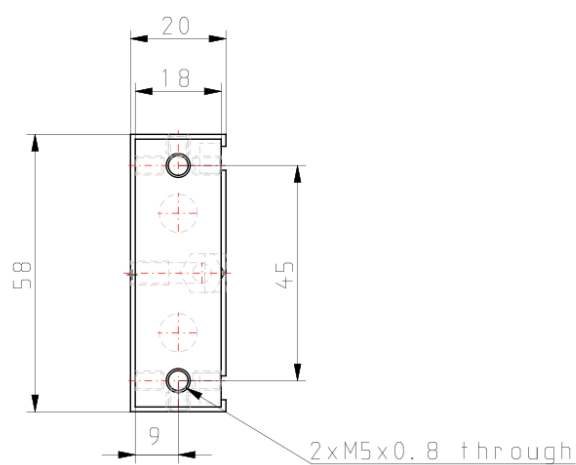
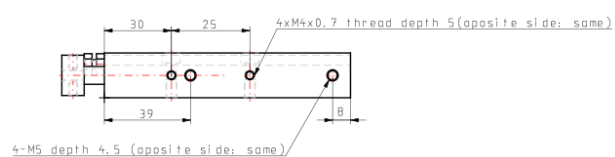
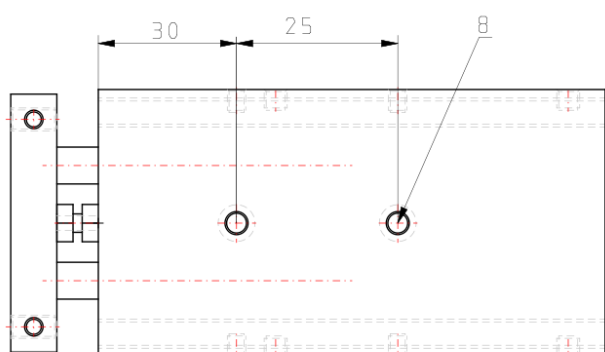
Double-acting, single-rod cylinder

### Standard specifications

Thread port	M5 (Rc (PT) for sizes 25 to 32)
Bore Size	15mm
Lube-retainer	Without Stable Lubrication Function
Stroke	20mm
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m [Or None in the Case of No Switch]
Number	2 pcs. [Or None in the Case of No Switch]
Pressure medium	Compressed Air
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium with magnet	-10 °C [without condensation]
Maximum operating pressure	0.70 MPa
Minimum operating pressure	0.01 MPa
Proof pressure	1.05 MPa
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature with magnet	-10 °C
Numero of pneumatic connections	2 pcs.
Pneumatic input connection	M5 x 0.8
Pneumatic output connection	M5 x 0.8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	177 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	126 N

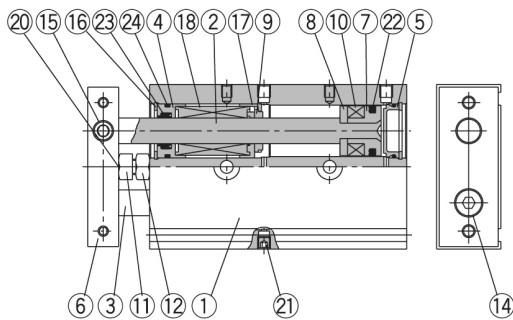
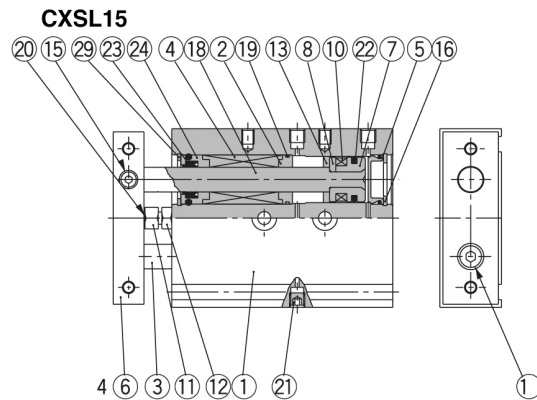
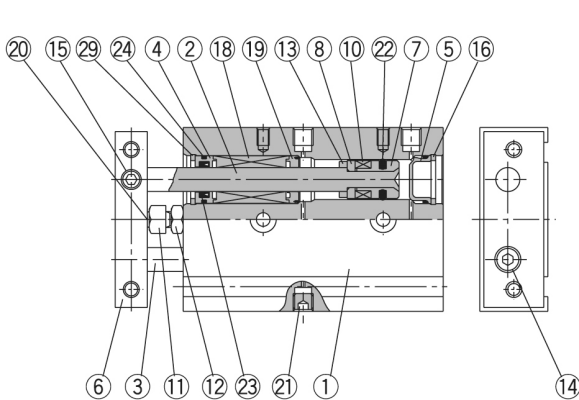
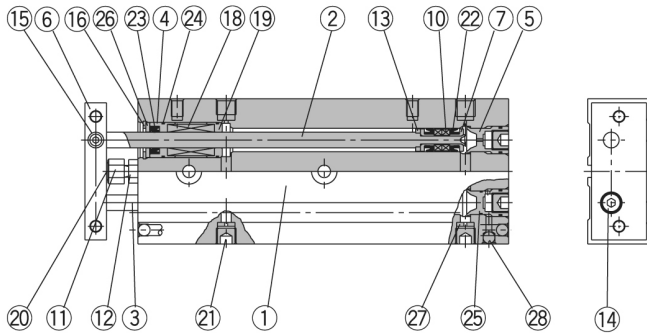
Maximum piston speed	700 mm/s
Type of cushioning	Rubber bumper
Maximum stroke reduction per side	5 mm
Tolerance of torsion	0.2°
Weight	0.300 Kg

## Dimensions



# Constructions

## CXSL6



No.	Description	Material	Note
1	<b>Housing</b>	Aluminum alloy	Hard anodized
2	<b>Piston rod A</b>	Special steel	Hard chrome plated
3	<b>Piston rod B</b>	Special steel	Hard chrome plated
4	<b>Rod cover/Bearing</b>	Aluminum alloy	
5	<b>Head cover</b>	Special steel <sup>Note 1)</sup>	
6	<b>Plate</b>	Aluminum alloy	Hard anodized
7	<b>Piston A</b>	Aluminum alloy	Chromated
8	<b>Piston B</b>	Aluminum alloy	Chromated
9	<b>Bumper A</b>	Polyurethane	
10	<b>Magnet</b>	Magnetic material	
11	<b>Bumper bolt</b>	Carbon steel	Nickel plated
12	<b>Hexagon nut</b>	Carbon steel	Nickel plated
13	<b>Bumper B</b>	Polyurethane	
14	<b>Hexagon socket head cap screw</b>	Chromium steel	Nickel plated
15	<b>Hexagon socket head set screw</b>	Chromium steel	Nickel plated
16	<b>Snap ring</b>	Special steel	Nickel plated
17	<b>Bumper holder</b>	Synthetic resin	



Note 1) Anodized aluminum alloy for CXSL6.

## Parts list

No.	Description	Material	Note
18	<b>Ball bushing</b>	—	
19	<b>Bearing spacer</b>	Synthetic resin <sup>Note 2)</sup>	
20	<b>Bumper</b>	Polyurethane	
21	<b>Plug</b>	Chromium steel	Nickel plated
22	<b>Piston seal</b>	NBR	
23	<b>Rod seal</b>	NBR	
24	<b>O-ring</b>	NBR	
25	<b>Head cover B</b>	Aluminum alloy	Nickel plated
26	<b>Seal retainer</b>	Aluminum alloy	
27	<b>Port spacer</b>	Aluminum alloy	
28	<b>Steel ball</b>	Special steel	Hard chrome plated
29	<b>Snap ring B</b>	Special steel	Nickel plated

Note 2) Aluminum alloy for CXSL6.

## Additional information

Catalogue

[CXS\\_EU.pdf](#)