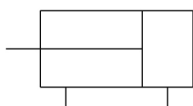


CXSJ, Dual Rod Cylinder, Compact Type

CXSJM15-20

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.



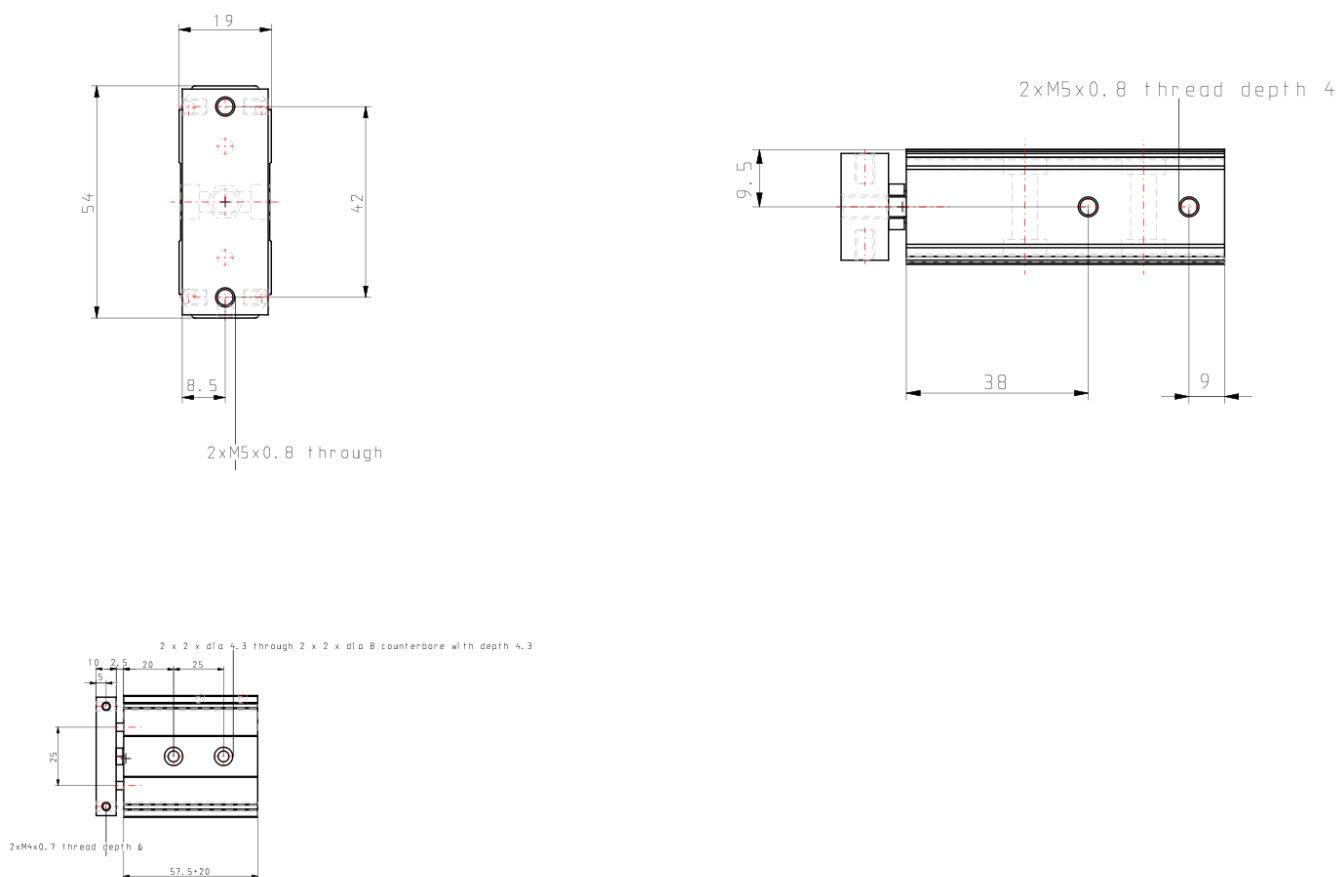
Double-acting, single-rod cylinder

Standard specifications

Bearing Style	M (Slide Bearing)
Bore Size	15mm
Thread Type	Rc (or M Thread for 6 to 25 Bore)
Piping	Standard Porting
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]
Option	None
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	0.15 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
Type of stroke reduction	Unilaterally retracted
Tolerance of torsion	0.2°
Weight	0.249 Kg

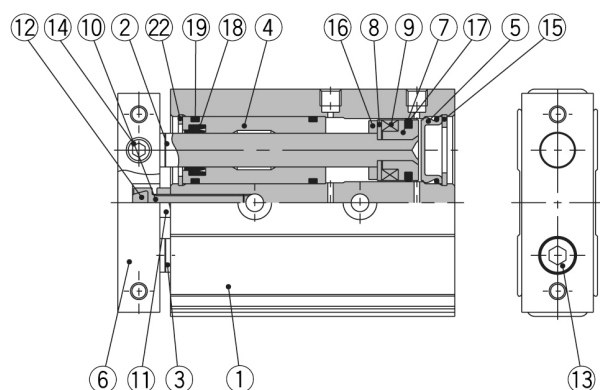
Dimensions



Constructions

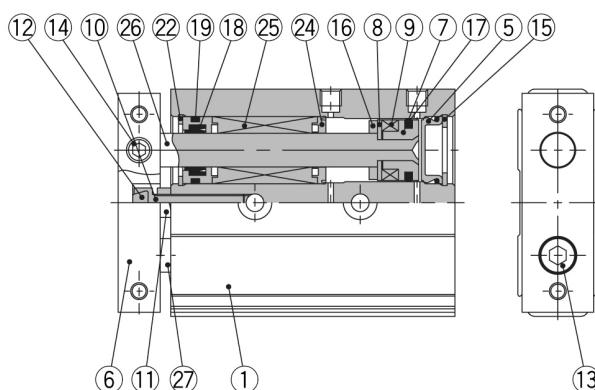
CXSJM $\varnothing 15 - \varnothing 32$ (Slide bearing)

CXSJM15

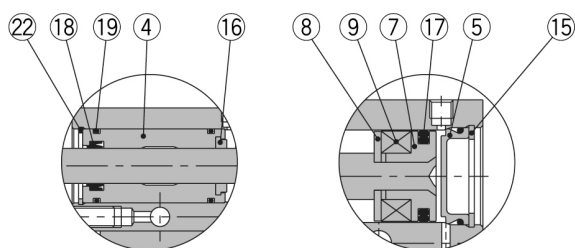


CXSJL $\varnothing 15 - \varnothing 32$ (Ball bushing bearing)

CXSJL15



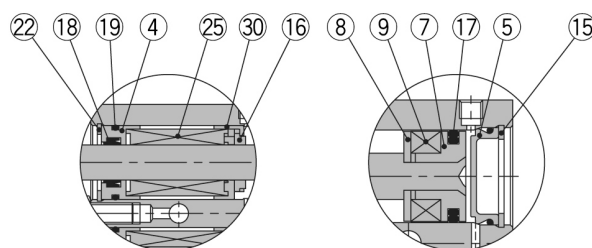
CXSJM20 to 32



Rod cover

Head cover

CXSJL20 to 32



Rod cover

Head cover

Component Parts: Standard Piping

No.	Description	Material	Note
1	Housing	Aluminium alloy	Hard anodised
2	Piston rod A	Carbon steel	Hard chromium electroplated
3	Piston rod B	Carbon steel	Hard chromium electroplated
4	Rod cover	Aluminium bearing alloy	
5	Head cover	Special steel	
6	Plate	Aluminium alloy	Glossy, self-colouring hard anodised
7	Piston A	Aluminium alloy	Chromated
8	Piston B	Stainless steel	
9	Magnet	Magnetic material	
10	Bumper bolt	Carbon steel	Nickel plated
11	Hexagon nut	Carbon steel	Nickel plated
12	Bumper	Polyurethane	
13	Hexagon socket head cap screw	Chromium steel	Nickel plated
14	Hexagon socket head set screw	Chromium steel	Nickel plated
15	Retaining ring	Special steel	Nickel plated

No.	Description	Material	Note
16	Bumper B	Polyurethane	
17	Piston seal	NBR	
18	Rod seal	NBR	
19	O-ring	NBR	
20	O-ring	NBR	
21	Seal retainer	Stainless steel	
22	Retaining ring B	Special steel	Nickel plated
23	Bolt holder	Stainless steel	
24	Bearing spacer	Resin	
25	Ball bushing	—	
26	Piston rod A	Special steel	Hard chromium electroplated
27	Piston rod B	Special steel	Hard chromium electroplated
28	O-ring	NBR	
29	Piston C	Stainless steel	
30	Bumper holder	Resin	

Additional information

Catalogue

[CXSJ_EU.pdf](#)

Operation manuals

[cxsj_op_man_cxsj-om0002h.pdf](#)