

Made to Order Common Specifications: -XB19: High Speed Type



11 High Speed Type

Symbol
-XB19

This is a high speed type of the dual rod cylinder CXS series.

The cylinder speed can reach a maximum of 1500 mm/s (1000 mm/s for $\phi 25$ and $\phi 32$) by enlarging the orifice diameter of the cylinder port. The allowable kinetic energy is approximately four times that of the standard type.

Applicable Series

Series	Description	Model	Action	Vol. no. (for std model)
CXS	Dual rod cylinder	CXS	Double acting, Single rod	Web Catalog

Specifications

Bore size (mm)	6	10	15	20	25	32
Minimum operating pressure	0.15 MPa	0.1 MPa			0.05 MPa	
Maximum operating pressure	0.7 MPa					
Proof pressure	1.05 MPa					
Fluid	Air (Non-lube)					
Ambient and fluid temperature	-10 to 60°C (No freezing)					
Piston speed	30 to 1500 mm/s			30 to 1000 mm/s		
Port size	M5 x 0.8			Rc 1/8		
Stroke adjustable range	0 to -5 mm compared to the standard stroke					
Bearing type	Slide bearing, Ball bushing bearing					
Cushion	Rubber bumper					

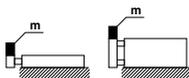
How to Order

CXS Standard model no. -XB19
High speed type

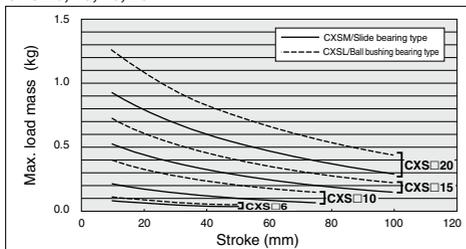
Operating Conditions

Maximum Load Mass

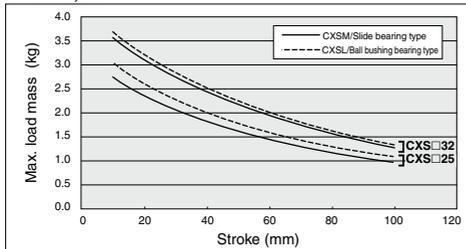
When the cylinder is mounted as shown in the diagrams on the right, the maximum load mass (m) should not exceed the values indicated in the graph below.



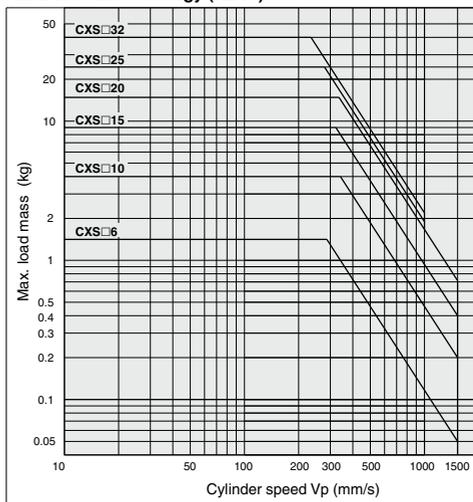
CXS □ 6, 10, 15, 20



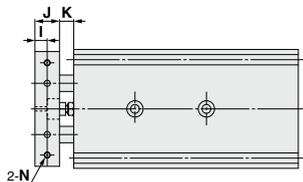
CXS □ 25, 32



Allowable kinetic energy (XB19)



Dimensions



Bore size (mm)	I	J	K	N
6	3.25	6.5	7	M3 x 0.5 through-hole
10	5	10	7	M3 x 0.5 through-hole
15	6	12	7	M3 x 0.5 through-hole
20	7	14	10	M4 x 0.7 thread depth 6
25	7	14	10	M5 x 0.8 thread depth 7.5
32	9	18	12	M5 x 0.8 thread depth 8