

Air Cylinder: Standard Type Lube/Non-lube Type, Air-hydro Type

CS1 Series

Lube/Non-lube: $\varnothing 125$, $\varnothing 140$, $\varnothing 160$, $\varnothing 180$, $\varnothing 200$, $\varnothing 250$, $\varnothing 300$

Air-hydro: $\varnothing 125$, $\varnothing 140$, $\varnothing 160$

For the aluminum tubing of bore sizes 125, 140 and 160, a new "CS2 series" (P.565) model is now available with reduced weight and self weight deflection. Please consider using the CS2 series.

How to Order

CS1 **L** **160** - **300** - - **V**

Mounting

B	Basic type
L	Foot type
F	Rod side flange type
G	Head side flange type
C	Single clevis type
D	Double clevis type
T	Center trunnion type

Tubing material

Symbol	Bore size (mm)	Tubing material	Stroke range (mm)
Nil	125, 140	Aluminum tube	1000 or less
	160		1200 or less
	125, 140	Steel tube	1001 or more
	160		1201 or more
F	180 to 300		All stroke ^{Note)}
	125, 140	Steel tube	1000 or less
160	1200 or less		

* Refer to page 531 for the maximum strokes.

Note) The tubing material of items with a bore size of 180 and 200 corresponding to the Class 2 Pressure Vessel Act is aluminum tubing.

Type

Nil	Lube
N	Non-lube
H	Air-hydro

Class 2 Pressure Vessel

(Subject to or not subject to)

Nil	Applicable
V	Not applicable

* This indicates whether or not the cylinder stroke is applicable to the Class 2 Pressure Vessel Act and whether or not the product is made in Japan.

* "-V" is not put on a product with a stroke not applicable to the Class 2 Pressure Vessel Act. For details, refer to page 532.

Made to Order

(Refer to page 531 for details.)

Suffix for cylinder

Rod boot	J	Nylon tarpaulin
	K	Heat resistant tarpaulin
	N	Without cushion
	R	With cushion in rod side
	H	With cushion in head side
	Cushion	Nil

* If specifying more than one symbol, indicate them in alphabetically

** Air-hydro type has no cushion. No symbol indicates no cushion.

Cylinder stroke (mm)

(Refer to "Maximum Stroke" on page 531.)

Bore size

Lube, Non-lube		Air-hydro	
125	125 mm	125	125 mm
140	140 mm	140	140 mm
160	160 mm	160	160 mm
180	180 mm		
200	200 mm		
250	250 mm		
300	300 mm		

Port thread type

Nil	Rc
TN	NPT
TF	G

Mounting Bracket Part No.

Bore size (mm)	125	140	160	180	200	250	300
Foot type*	CS1-L12	CS1-L14	CS1-L16	CS1-L18	CS1-L20	CS1-L25	CS1-L30
Flange type	CS1-F12	CS1-F14	CS1-F16	CS1-F18	CS1-F20	CS1-F25	CS1-F30
Single clevis type	CS1-C12	CS1-C14	CS1-C16	CS1-C18	CS1-C20	CS1-C25	CS1-C30
Double clevis type**	CS1-D12	CS1-D14	CS1-D16	CS1-D18	CS1-D20	CS1-D25	CS1-D30

* Order two foot brackets per cylinder.

** When ordering the double clevis, the clevis pin and the cotter pin (2 pcs.) are attached.

For "How to Order" with auto switch, refer to page 535.