

ATEX Compliant

Air Cylinder/Standard type: Non-lube

Series 55-CS1



Non-lube type: \varnothing 125, \varnothing 140, \varnothing 160, \varnothing 180, \varnothing 200, \varnothing 250, \varnothing 300

	II 2G Ex h IIB T5..T4 Gb
	II 2D Ex h IIIC T91°C..T111°C Db

How to Order

55 - CS1 **L** **N** **160** - **300**

ATEX category 2

Mounting

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

Cushion

Cushion	N	Without cushion
	R	With cushion in rod side
	H	With cushion in head side
	Nil	With cushion in both sides

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

Tubing material

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

Bore size

Non-lube type	
125	125 mm
140	140 mm
160	160 mm
180	180 mm
200	200 mm
250	250 mm
300	300 mm

Type

N	Non-lube type
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Cylinder stroke (mm)

Tubing material Mounting bracket Bore size	Aluminum	Steel	
	Basic, Head side flange, Single clevis, Double clevis, Centre trunnion, Foot, Rod side flange	Basic, Head side flange, Single clevis, Double clevis, Centre trunnion	Foot Rod side flange
125	1000 or less	1000 or less	1600 or less
140	1000 or less	1200 or less	1600 or less
160	1200 or less	1200 or less	1600 or less
180	—	1200 or less	2000 or less
200	—	1200 or less	2000 or less
250	—	1200 or less	2400 or less
300	—	1200 or less	2400 or less

Class 2 Pressure Vessel

The cylinder with a stroke exceeding the level shown below that is applicable to the Class 2 Pressure Vessel Act cannot be installed or used in Japan.

Bore size (mm)	Cylinder stroke (mm)
200	998
250	813
300	564

All other specifications are the same as the standard products Series CS1. [Click here](#) for details.

Refer to page 69 for applicable auto switches.

ATEX Compliant

Air cylinder

Series 55-CDS1

Ø125, Ø140, Ø160, Ø180, Ø200



CE II 2G Ex h IIC T5..T4 Gb
II 2D Ex h IIIC T91°C..T111°C Db

How to Order

With magnet **55-CDS1** **L** **N** **160** - **300**

ATEX category 2

Built-in magnet for auto switch

Mounting

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

Type

N	Non-lube type
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Bore size

Non-lube type	
125	125 mm
140	140 mm
160	160 mm
180	180 mm
200	200 mm

Cushion

Cushion	N	Without cushion
	R	With cushion in rod side
	H	With cushion in head side
	Nil	With cushion in both sides

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

Cylinder stroke (mm)

Bore size (mm)	Maximum Stroke	
	Basic, Head side flange, Single clevis, Double clevis, Centre trunnion	Foot, Rod side flange
125, 140	1000 or less	1400 or less
160	1200 or less	1400 or less
180	1200 or less	1500 or less
200	998 or less	998 or less

Class 2 Pressure Vessel

The cylinder with a stroke exceeding the level shown below that is applicable to the Class 2 Pressure Vessel Act cannot be installed or used in Japan.

Bore size (mm)	Cylinder stroke (mm)
200	998

All other specifications are the same as the standard products Series CS1. [Click here](#) for details.

Refer to page 69 for applicable auto switches.

ATEX Compliant

Air Cylinder: Double Rod Type

Series 55-CS1W



Non-lube type: \varnothing 125, \varnothing 140, \varnothing 160, \varnothing 180, \varnothing 200, \varnothing 250, \varnothing 300

CE II 2G Ex h IIC T5..T4 Gb
II 2D Ex h IIIC T91°C..T111°C Db

How to Order

Without magnet **55-CS1 W L** **N 125-100**

With magnet **55-CDS1W L** **N 125-100**

ATEX category 2

Built-in magnet for auto switch

Double rod

Mounting

B	Basic
L	Foot
F	Rod side flange
T	Centre trunnion

Tubing material

Symbol	Bore size (mm)	Tubing material
Nil	125, 140	Aluminum
	160	
	180	Steel
	200	
F	125, 140	Steel
	160	

Bore size

Non-lube type	
125	125 mm
140	140 mm
160	160 mm
180	180 mm
200	200 mm
250*	250 mm
300*	300 mm

* It is not available with auto switch.

Type

N	Non-lube type
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Cushion

Cushion	N	Without cushion
	R	With cushion in rod side
	H	With cushion in head side
	Nil	With cushion in both sides

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

Cylinder stroke (mm)

Tubing material	Aluminum		Steel
	Without magnet	With magnet	Without magnet
Bore size (mm) / Mounting bracket	Basic, Foot, Rod side flange, Centre trunnion		
125, 140	1000 or less	1000 or less	1000 or less
160	1200 or less	1200 or less	1200 or less
180	—	1200 or less	1200 or less
200	—	998 or less	1200 or less
250, 300	—	—	1200 or less

Class 2 Pressure Vessel

The cylinder with a stroke exceeding the level shown below that is applicable to the Class 2 Pressure Vessel Act cannot be installed or used in Japan.

Bore size (mm)	Cylinder stroke (mm)
200	998
250	813
300	564

All other specifications are the same as the standard products Series CS1W. [Click here](#) for details.

Refer to page 69 for applicable auto switches.