

**ATEX Compliant**

**Air Cylinder/Standard type: Non-lube**

**Series 55-CS1**



**Non-lube type: ø125, ø140, ø160, ø180, ø200, ø250, ø300**

CE II 2G Ex h IIC 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>B</b>	Basic
<b>L</b>	Foot
<b>F</b>	Rod side flange
<b>G</b>	Head side flange
<b>C</b>	Single clevis
<b>D</b>	Double clevis
<b>T</b>	Centre trunnion

**Cushion**

Cushion	<b>N</b>	Without cushion
	<b>R</b>	With cushion in rod side
	<b>H</b>	With cushion in head side
	<b>Nil</b>	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	
<b>125</b>	125 mm
<b>140</b>	140 mm
<b>160</b>	160 mm
<b>180</b>	180 mm
<b>200</b>	200 mm
<b>250</b>	250 mm
<b>300</b>	300 mm

**Type**

<b>N</b>	Non-lube type
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**Cylinder stroke (mm)**

Tubing material	Aluminum		Steel	
	Mounting bracket	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
Bore size	<b>125</b>	1000 or less	1000 or less	1600 or less
	<b>140</b>	1000 or less	1200 or less	1600 or less
	<b>160</b>	1200 or less	1200 or less	1600 or less
	<b>180</b>	—	1200 or less	2000 or less
	<b>200</b>	—	1200 or less	2000 or less
	<b>250</b>	—	1200 or less	2400 or less
	<b>300</b>	—	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)
<b>200</b>	998
<b>250</b>	813
<b>300</b>	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>B</b>	Basic
<b>L</b>	Foot
<b>F</b>	Rod side flange
<b>G</b>	Head side flange
<b>C</b>	Single clevis
<b>D</b>	Double clevis
<b>T</b>	Centre trunnion

Type

<b>N</b>	Non-lube type
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Bore size

Non-lube type	
<b>125</b>	125 mm
<b>140</b>	140 mm
<b>160</b>	160 mm
<b>180</b>	180 mm
<b>200</b>	200 mm

Cushion

Cushion	<b>N</b>	Without cushion
	<b>R</b>	With cushion in rod side
	<b>H</b>	With cushion in head side
	<b>Nil</b>	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
<b>125, 140</b>	1000 or less	1400 or less
<b>160</b>	1200 or less	1400 or less
<b>180</b>	1200 or less	1500 or less
<b>200</b>	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)
<b>200</b>	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

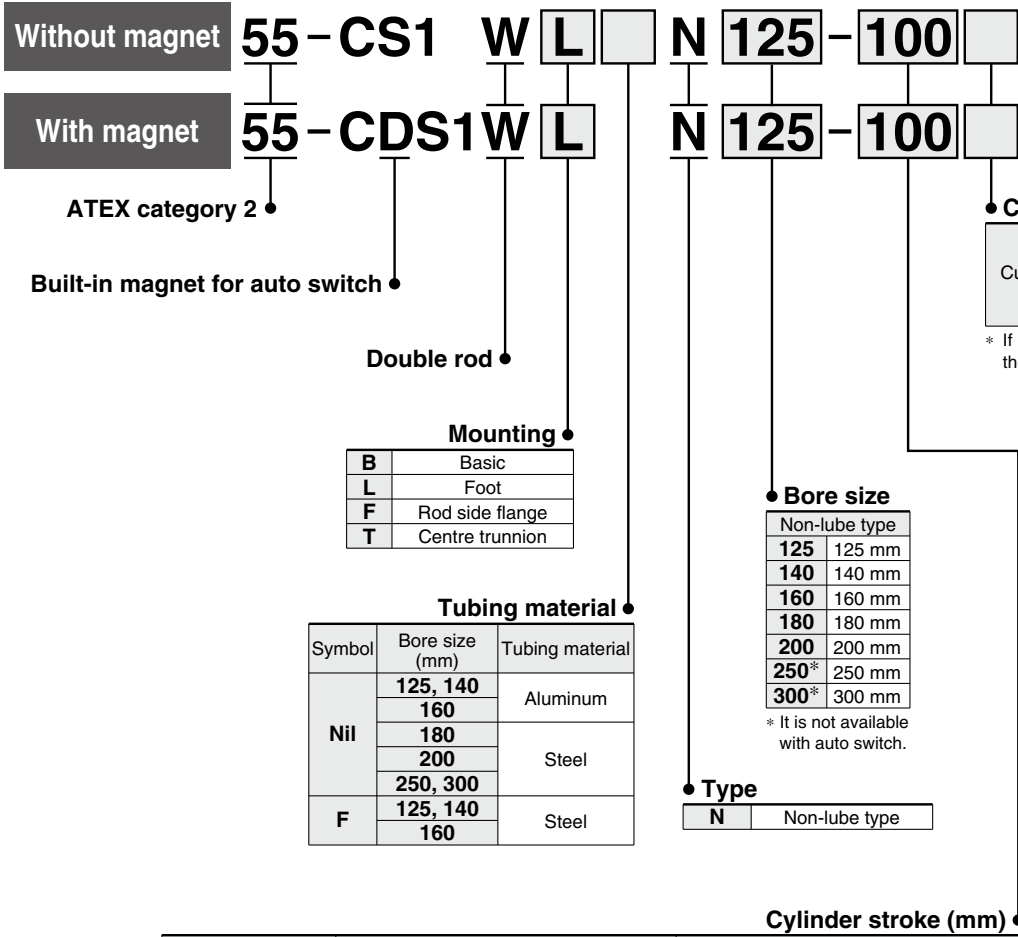
# Series 55-CS1W



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



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.