

ATEX Compliant ISO Cylinder

Standard: Double Acting, Single Rod

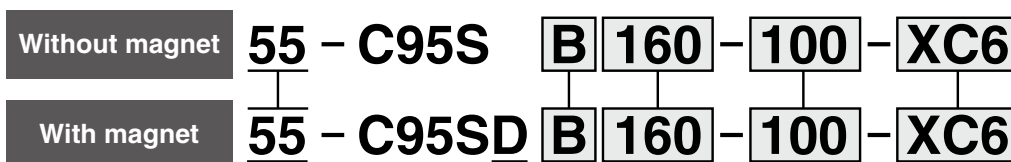
Series 55-C95

ø160, ø200, ø250



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

How to Order



ATEX category 2

Built-in magnet for auto switch

Mounting

B	Basic/without bracket
L	Axial foot
F	Rod side flange
G	Head side flange
C	Single clevis
D	Double clevis
T	Centre trunnion

Bore size

160	160 mm
200	200 mm
250	250 mm

Made to Order

Nil	Standard
XA □□	Change of rod end shape
XC6	Stainless steel piston rod and rod-end nut
XC14 □*	Change of trunnion bracket mounting position (Rod side)

* Simple specials part no. except for XC14A or B.

Cylinder stroke
Maximum Stroke

Bore size (mm)	Standard	XC6	XC14
160	2000	1600	2000
200	2000	1600	2000
250	2400	1500	2400

* Please consult with SMC for longer strokes.

Class 2 Pressure Vessel

Series C95 can not be used as the Class 2 Pressure Vessels. If the stroke exceeds the following values, the cylinder with such stroke can not be installed or used in Japan.

Bore size (mm)	Cylinder stroke (mm)
160	1987
200	998
250	813

All other specifications are the same as the standard products Series C95.
[Click here](#) for details.

Refer to page 69 for applicable auto switches.

Specifications

Bore size (mm)	ø160	ø200	ø250
Action	Double Acting, Single Rod		
Fluid	Air		
Proof pressure	1.5 MPa		
Max. operating pressure	1.0 MPa		
Min. operating pressure	0.05 MPa		
Ambient and fluid temperature	-10 to 60°C (No freezing)		
Lubrication	Not required (Non-lube)		
Piston speed	50 to 500 mm/s		
Stroke tolerance	Up to 250: $^{+1.0}_0$, 251 to 1000: $^{+1.4}_0$, 1001 to 1500: $^{+1.8}_0$ 1501 to 2000: $^{+2.2}_0$, 2001 to 2400: $^{+2.6}_0$		
Cushion	Both ends (Air cushion)		
Port size	G3/4	G3/4	G1
Mounting	Basic, Axial foot, Rod side flange, Head side flange, Single clevis, Double clevis, Centre trunnion		

Mounting Bracket, Mounting Accessories

Description	Bore size	ø160	ø200	ø250
L	Foot	L5160	L5200	L5250
F, G	Flange	F5160	F5200	F5250
C	Single clevis	C5160	C5200	C5250
D	Double clevis	D5160	D5200	D5250
GKM	Rod clevis ⁽²⁾	GKM35-54		GKM40-84
KJ	Piston rod ball joint ⁽³⁾	KJ36D		KJ42D

Note 1) Accessories for each mounting bracket are as follows.

Foot, Flange, Single clevis: Mounting bolts

Double clevis: Mounting bolts, Clevis pin

Note 2) GKM according to ISO 8140 (Except GKM35-54)

Note 3) KJ according to ISO 8139

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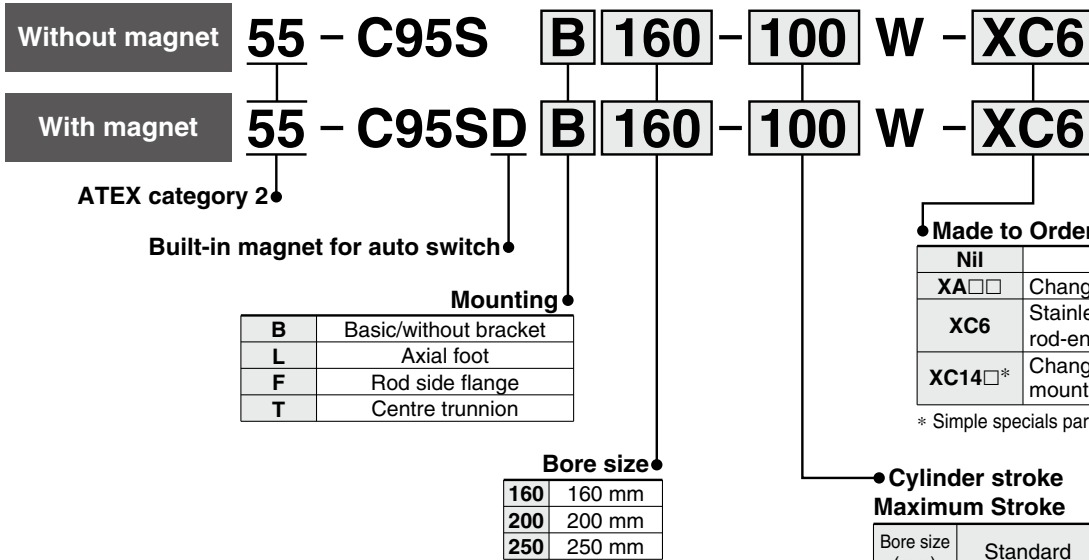
Series 55-C95W

ø160, ø200, ø250



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

How to Order



Specifications

Bore size (mm)	ø160	ø200	ø250
Action	Double Acting, Double Rod		
Fluid	Air		
Proof pressure	1.5 MPa		
Max. operating pressure	1.0 MPa		
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Ambient and fluid temperature	-10 to 60°C (No freezing)		
Lubrication	Not required (Non-lube)		
Piston speed	50 to 500 mm/s		
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Cushion	Both ends (Air cushion)		
Port size	G3/4	G3/4	G1
Mounting	Basic, Axial foot, Rod side flange, Centre trunnion		

Class 2 Pressure Vessel

Series C95 can not be used as the Class 2 Pressure Vessels. If the stroke exceeds the following values, the cylinder with such stroke can not be installed or used in Japan.

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

All other specifications are the same as the standard products Series C95W.
[Click here](#) for details.

Refer to page 69 for applicable auto switches.

Mounting Bracket, Mounting Accessories

Description	Bore size	ø160	ø200	ø250
L	Foot	L5160	L5200	L5250
F	Flange	F5160	F5200	F5250
GKM	Rod clevis ⁽²⁾	GKM35-54		GKM40-84
KJ	Piston rod ⁽³⁾ ball joint	KJ36D		KJ42D

Note 1) Mounting bolts are shipped together for foot style and flange style.

Note 2) GKM according to ISO 8140 (Except GKM35-54)

Note 3) KJ according to ISO 8139