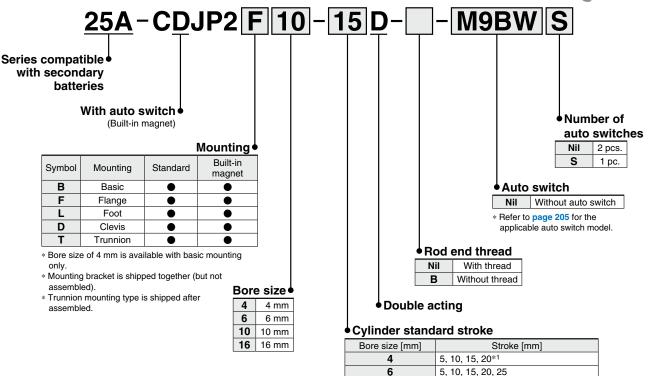
# 25A-CJP2 Series

Ø4, Ø6, Ø10, Ø16







### **10, 16** 5, 10, 15, 20, 25, 30, 35, 40 \*1 20 stroke of bore size 4 mm is standard type only.

#### **Built-in Magnet Cylinder Model**

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) 25A-CDJP2F10-15D

> \* The 25A- series specifications and dimensions are the same as those of the standard model.

> > Click here for details.

#### Mounting Bracket Part Nos. for the 25A- Series

Bore size [mm]	Flange	Foot	Trunnion
6	25A-CP-F006A	25A-CP-L006A	25A-CP-T006A
10	25A-CP-F010A	25A-CP-L010A	25A-CP-T010A
16	25A-CP-F016A	25A-CP-L016A	25A-CP-T016A

#### Accessory Bracket Part Nos. for the 25A- Series

Bore size [mm]	Single knuckle joint	Double knuckle joint	Knuckle joint pin	Trunnion pin	Mounting nut	Rod end nut
4	_	_	_	_	25A-SNPS-004	25A-NTJ-004
6	25A-I-P006A	25A-Y-P006A	25A-IY-P006	25A-CT-P006	25A-SNP-006	25A-NTP-006
10	25A-I-P010A	25A-Y-P010A	25A-IY-P010	25A-CT-P010	25A-SNP-010	25A-NTP-010
16	25A-I-P016A	25A-Y-P016A	25A-IY-P016	25A-CT-P016	25A-SNP-016	25A-NTP-016

**SMC** 

Directional Control Valves

Air Cylinders

Related Products

Rotary Actuators

Vacuum Equipment Air Grippers

Air Preparation Equipment

> Clean ir Filters

Modular F.R.L./Pressure Control Equipment

> Fittings/Flow Control Equipment

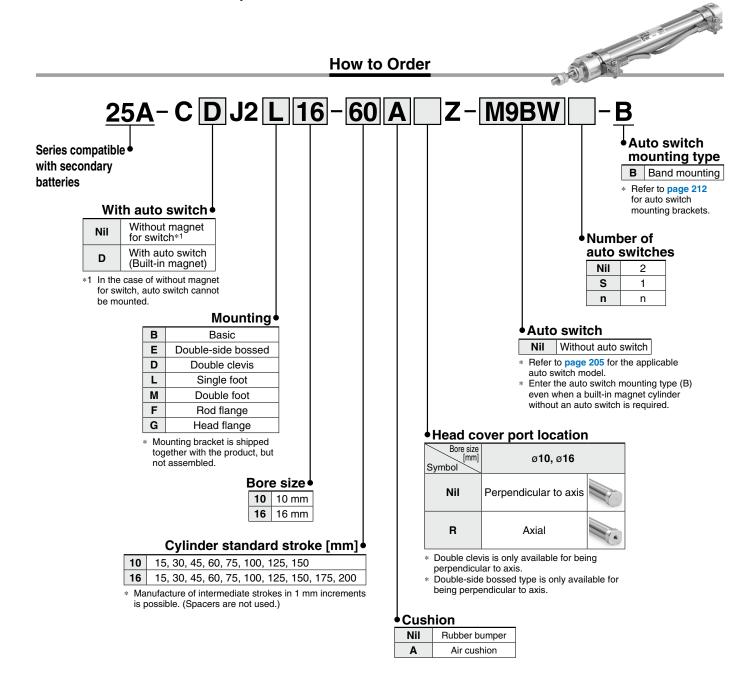
Detection Switches

Fluid Control Equipment

Electric Actuators

# Air Cylinder: Standard Type Double Acting, Single Rod 25A-CJ2 Series

ø10, ø16



#### Mounting Bracket Part Nos. for the 25A- Series

Mounting	Bore size [mm]	
bracket	10	16
Foot bracket	25A-CJ-L010B	CJ-L016SUS
Flange bracket	25A-CJ-F010B	CJ-F016SUS

\* The 25A- series specifications and dimensions are the same as those of the standard model.

Click here for details.

# Air Cylinder: Non-rotating Rod Type Double Acting, Single Rod 25A-CJ2K Series

ø10, ø16

How to Order



25A-CDJ2KL 16-60 Series compatible with secondary

batteries

#### With auto switch

Nil	Without magnet for switch*1
D	With auto switch (Built-in magnet)

\*1 In the case of without magnet for switch, auto switch cannot be mounted.

В

### Mounting Basic

	Daoio
Е	Double-side bossed
D	Double clevis
L	Single foot
М	Double foot
F	Rod flange
G	Head flange

\* Mounting bracket is shipped together with the product, but not assembled.

#### Bore size •

ı	10	10 mm
	16	16 mm

#### Cylinder standard stroke [mm]

10	15, 30, 45, 60, 75, 100, 125, 150
16	15, 30, 45, 60, 75, 100, 125, 150, 175, 200

Manufacture of intermediate strokes in 1 mm increments is possible. (Spacers are not used.)

Z-M9BW Auto switch

**B** Band mounting

mounting type

Refer to page 212 for auto switch mounting brackets.

Number of auto switches

Nil	2
S	1
n	n

Auto switch

Nil Without auto switch

- Refer to page 205 for the applicable auto switch model.
- Enter the auto switch mounting type (B) even when a built-in magnet cylinder without an auto switch is required.

#### Head cover port location

	TO POIL ICCUMO	
Bore size [mm] Symbol	ø10, ø16	
Nil	Perpendicular to axis	
R	Axial	0

- Double clevis is only available for being perpendicular to axis.
- Double-side bossed type is only available for being perpendicular to axis.

#### Mounting Bracket Part Nos. for the 25A- Series

<u>.</u>		
Mounting	Bore siz	ze [mm]
bracket	10	16
Foot bracket	CJ-L016SUS	CJK-L016SUS
Flange bracket	CJ-F016SUS	CJK-F016SUS

\* The 25A- series specifications and dimensions are the same as those of the standard model. (Excluding the foot and flange plate thickness)

Click here for details.

Air Cylinders Control Valves

Related Products

Rotary Actuators

Air Grippers Equipment

Air Preparation

Modular F.R.L./Pressure Control Equipment

**Detection Switches** 

Fluid Control Equipment

Electric Actuators

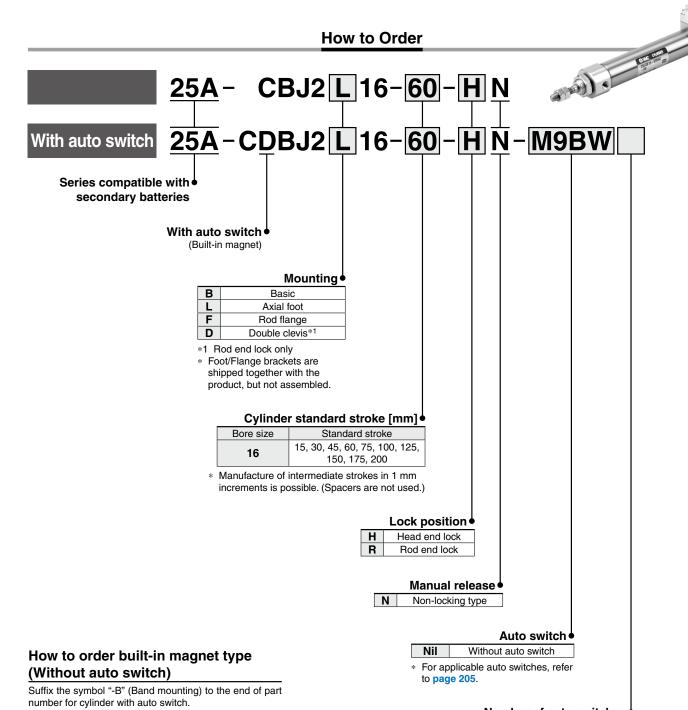


### **Air Cylinder: With End Lock**

# 25A-CBJ2 Series

**RoHS** 





#### Mounting Bracket Part Nos. for the 25A. Series

Example

25A-CDBJ2B16-60-HN-B

LUA OCITICO	
Marratia a basalcat	Bore size [mm]
Mounting bracket	16
Foot bracket	CJ-L016SUS
Flange bracket	CJ-F016SUS

### Number of auto switches

Nil	2
S	1
n	n

\* The 25A- series specifications and dimensions are the same as those of the standard model. Click here for details.

Directional Control Valves Air Cylinders

Related Products

Rotary Actuators Air Grippers

Equipment

Air Preparation

Modular F.R.L./Pressure

**Detection** Switches

Fluid Control Equipment

Electric Actuators

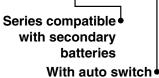
### Air Cylinder: Standard Type **Double Acting, Single Rod**

# 25A-CM2 Series

Ø20, Ø25, Ø32, Ø40

#### **How to Order**





Nil	Without magnet for switch*1	
D	With auto switch (Built-in magnet)	

\*1 In the case of without magnet for switch, auto switch cannot be mounted.

	mounting	
В	Basic	
L	Axial foot	
F	Rod flange	
G	Head flange	
С	Single clevis	
D	Double clevis	
U	Rod trunnion	
Т	Head trunnion	
Е	Integrated clevis	
٧	Integrated clevis (90°)	
BZ	Boss-cut/Basic	
FZ	Boss-cut/	
12	Rod flange	
UZ	Boss-cut/	
UZ	Rod trunnion	

25A-C D M2 L 40

Mounting •

#### Rore size

יטם	C SIZC '
20	20 mm
25	25 mm
32	32 mm
40	40 mm

-150 A

Num∲ auto	ber of switche	99
Nil	2	

Nil	2
S	1
n	n

#### Auto switch

Without auto switch

Refer to page 205 for the applicable auto switch model.

#### Rod end thread

Nil	Male rod end			
F	Female rod end			

Z-M9BW

#### Cushion

Nil	Rubber bumper	
Α	Air cushion	

#### ◆Cylinder Stroke [mm]

Bore size	Standard stroke*1	Maximum stroke
20		1000
25	25, 50, 75, 100, 125, 150	1500
32	200, 250, 300	2000
40		2000

- \*1 Other intermediate strokes can be manufactured upon receipt of order. Manufacture of intermediate strokes in 1 mm increments is possible. (Spacers are not used.)
- When exceeding 300 strokes, the allowable maximum stroke length is determined by the stroke selection table (Web Catalog or Best Pneumatics).

#### Port thread type

Nil	Rc
TN	NPT
TF	G

\* The 25A- series specifications and dimensions are the same as those of the standard model.

Click here for details.

#### **Built-in Magnet Cylinder Model**

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) 25A-CDM2F32-100AZ

Mounting Bracket Part Nos. for the 25A- Series

modified Bracket Fart 1005: 101 the 20A Oction						
Min.		Bore size [mm]				Description (for prince and a)
Mounting bracket	order	20	25	32	40	Description (for min. order)
Axial foot*1	2	CM-L020B-XB12	CM-L032	2B-XB12	CM-L040B-XB12	2 foots, 1 mounting nut
Flange	1	CM-F020BSUS	CM-F032BSUS		CM-F040BSUS	1 flange
Single clevis*2	1	CM-C020B	CM-C	032B	CM-C040B	1 single clevis, 3 liners
Double clevis*2*3 (with pin)	1	25A-CM-D020B	25A-CM-D032B		25A-CM-D040B	1 double clevis, 3 liners, 1 clevis pin, 2 retaining rings
Trunnion (with nut)	1	25-CM-T020B	25-CM	-T032B	25-CM-T040B	1 trunnion, 1 trunnion nut

\*1 Order 2 foot brackets for each cylinder unit.

\*2 3 liners are attached with a clevis bracket for adjusting the mounting angle.

\*3 A clevis pin and retaining rings (split pins for ø40) are attached.



### Air Cylinder: Standard Type **Double Acting, Single Rod**

# 25A-CG1 Series

Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

**How to Order** 25A-CDG1LN25 Z-M9BW

Series compatible with secondary batteries

#### With auto switch

Nil	Without magnet for switch*1	
D	With auto switch (Built-in magnet)	

\*1 In the case of without magnet for switch, auto switch cannot be mounted.

#### **Mounting**

В	Basic
<b>Z</b> *1	Basic (without trunnion mounting female thread)
L	Axial foot
F	Rod flange
G	Head flange
<b>U</b> *1	Rod trunnion
<b>T</b> *1	Head trunnion
D	Clevis

- \*1 Not available for ø80 or ø100.
- Mounting bracket is shipped together with the product, but not assembled.
- The cylinder for F, G, L, D mounting types is Z: Basic (without trunnion mounting female thread).

1	y	ре

N	Rubber bumper
Α	Air cushion

#### Bore size

20	20 mm
25	25 mm
32	32 mm
40	40 mm
50	50 mm
63	63 mm
80	80 mm
100	100 mm

#### **Built-in Magnet Cylinder Model**

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) 25A-CDG1FN32-100Z

100

Number of hes

auto	SWITC
Nil	2
S	1
n	n

Directional Control Valves

Air Cylinders

Related Products

Actuators

Air Grippers

Equipment

Air Preparation

Modular F.R.L./Pressure Control Equipment

Control Equipment

Detection Switches

#### Auto switch

Nil Without auto switch

Refer to page 205 for the applicable auto switch model.

#### Rod end thread

Nil	Rod end male thread
F	Rod end female thread

#### Cylinder stroke [mm]

	Bore size [mm]	Standard stroke*1 [mm]	Long stroke*2 [mm]
	20	25, 50, 75, 100, 125, 150, 200	201 to 1500
	25		
	32		
	40	25, 50, 75, 100, 125,	301 to 1500
5	50, 63	150, 200, 250, 300	301 10 1300
	80		
	100		

- \*1 Other intermediate strokes can be manufactured upon receipt of order. Manufacture of intermediate strokes in 1 mm increments is possible. (Spacers are not used.)
- \*2 The long stroke shows the maximum manufacturable stroke. For details about maximum stroke that can be used for each mounting bracket, refer to the stroke selection table (Web Catalog or Best Pneumatics).

#### Port thread type

Rubber	bumper	Air cushion						
Nil	Rc	ø20 to ø100	M5 x 0.8	ø20, ø25				
IVII	nc nc	020 10 0 100	Rc	ø32 to ø100				
TN	NPT	ø20 to ø100	NPT*1	ø32 to ø100				
TF	M5 x 0.8	ø20, ø25	G*1	ø32 to ø100				
IF	G	ø32 to ø100	*1 Not availab	le for ø20 and ø25				

\* The 25A- series specifications and dimensions are the same as those of the standard model.

Click here for details.

Mounting Bracket Part Nos. for the 25A- Series										
Mounting	Min.	fin. Bore size [mm]							Description	
bracket	order	20	25	32	40	50	63	80	100	Description
Foot	2*1	90-CG-L020	90-CG-L025	90-CG-L032	90-CG-L040	90-CG-L050	25-CG-L063	25-CG-L080	25-CG-L100	Foot x 2, Mounting bolt x 8
Flange	1	90-CG-F020	90-CG-F025	90-CG-F032	90-CG-F040	90-CG-F050	25-CG-F063	25-CG-F080	25-CG-F100	Flange x 1, Mounting bolt x 4
Trunnion pin				25-CG-T032					_	Trunnion pin x 2, Trunnion bolt x 2, Flat washer x 2
Clevis	1	25-CG-D020	25-CG-D025	25-CG-D032	25-CG-D040	25-CG-D050	25-CG-D063	25-CG-D080	25-CG-D100	Clevis x 1, Mounting bolt x 4, Clevis pin x 1, Retaining ring x 2
Pivot bracket	1	25-CG-020-24A	25-CG-025-24A	25-CG-032-24A	25-CG-040-24A	25-CG-050-24A	25-CG-063-24A	25-CG-080-24A	25-CG-100-24A	Pivot bracket x 1

<sup>\*1</sup> Order two foot brackets per cylinder.



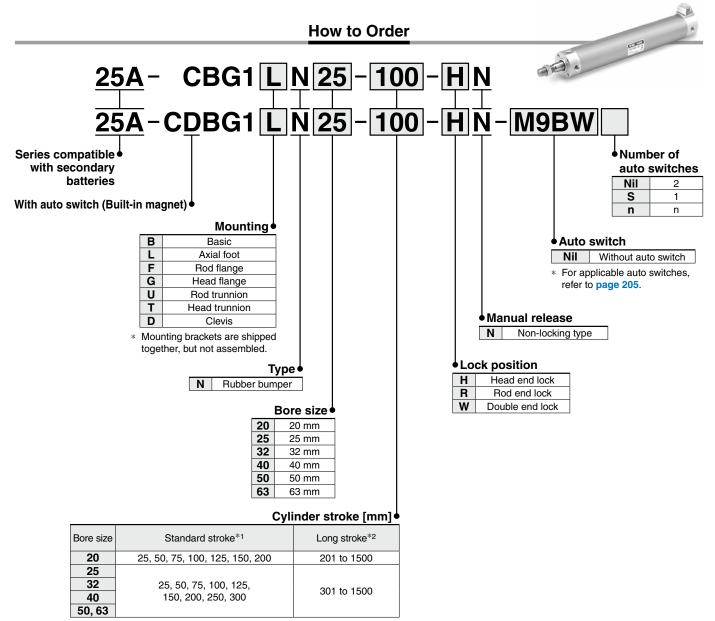
Fluid Control Equipment

Electric Actuators

### **Air Cylinder: With End Lock**

# 25A-CBG1 Series

Ø20, Ø25, Ø32, Ø40, Ø50, Ø63



- \*1 Other intermediate strokes can be manufactured upon receipt of order. Manufacture of intermediate strokes in 1 mm increments is possible. (Spacers are not used.)
- \*2 The long stroke shows the maximum manufacturable stroke. For details about maximum stroke that can be used for each mounting bracket, refer to the stroke selection table (**Web Catalog** or Best Pneumatics).

#### **Built-in Magnet Cylinder Model**

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch.

(Example) 25A-CDBG1FN32-100-RN

#### Mounting Bracket Part Nos. for the 25A- Series

Mounting	Min.		Bore size [mm]					Description
bracket	order	20	25	32	40	50	63	Description
Foot	2*1	90-CG-L020	90-CG-L025	90-CG-L032	90-CG-L040	90-CG-L050	25-CG-L063	Foot x 2, Mounting bolt x 8
Flange	1	90-CG-F020	90-CG-F025	90-CG-F032	90-CG-F040	90-CG-F050	25-CG-F063	Flange x 1, Mounting bolt x 4
Trunnion pin	1	25-CG-T020	25-CG-T025	25-CG-T032	25-CG-T040	25-CG-T050	25-CG-T063	Trunnion pin x 2, Trunnion bolt x 2, Flat washer x 2
Clevis	1	25-CG-D020	25-CG-D025	25-CG-D032	25-CG-D040	25-CG-D050	25-CG-D063	Clevis x 1, Mounting bolt x 4, Clevis pin x 1, Retaining ring x 2
Pivot bracket	1	25-CG-020-24A	25-CG-025-24A	25-CG-032-24A	25-CG-040-24A	25-CG-050-24A	25-CG-063-24A	Pivot bracket x 1

<sup>\*1</sup> Order two foot brackets per cylinder.

The 25A- series specifications and dimensions are the same as those of the standard model.
 Click here for details.

Air Cylinder: Single Rod

# 25A-MB Series

Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

#### **How to Order**



25A-MDBL32-50Z-M9BW

# secondary batteries With auto switch

Nil	Without magnet for switch*1
D	With auto switch (Built-in magnet)

\*1 In the case of without magnet for switch, auto switch cannot be mounted.

#### Mounting •

В	Basic			
L	Axial foot			
F	Rod flange			
G	Head flange			
С	Single clevis			
D	Double clevis			
Т	Center trunnion			

#### Bore size

32	32 mm
40	40 mm
50	50 mm
63	63 mm
80	80 mm
100	100 mm

### Number of auto switches

uuto	01111011
Nil	2
S	1
3	3
n	n

#### Auto switch

Nil Without auto switch

 Refer to page 205 for the applicable auto switch model.

#### Cylinder stroke [mm]

	Bore mm]	Standard stroke [mm]			
	32	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500			
	40	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500			
	50	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600			
	63	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600			
	80	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800			
-	100	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800			

\* Intermediate strokes are available. (No spacer is used.)

#### **Built-in Magnet Cylinder Model**

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch.
(Example) 25A-MDBB40-100Z

\* The 25A- series specifications and dimensions are the same as those of the standard model.

Click here for details.

#### Mounting Bracket Part Nos. for the 25A- Series

incuming Diagnost Fact tool for the Lort Control						
Bore size [mm]	32	40	50	63	80	100
Foot*1	25-MB-L03	25-MB-L04	25-MB-L05	25-MB-L06	25-MB-L08	25-MB-L10
Flange	MB-F03-XC7	MB-F04-XC7	MB-F05-XC7	MB-F06-XC7	MB-F08-XC7	MB-F10-XC7
Single clevis	25-MB-C03	25-MB-C04	25-MB-C05	25-MB-C06	25-MB-C08	25-MB-C10
Double clevis	25-MB-D03	25-MB-D04	25-MB-D05	25-MB-D06	25-MB-D08	25-MB-D10

\*1 Two foot brackets required for one cylinder.

**多SMC** 

Accessories for each mounting bracket are as follows: Foot, flange, single clevis/body mounting bolt, double clevis/body mounting bolt, clevis pin, flat washers and split pins.

# Air Cylinder: Standard Type Double Acting, Single Rod

# 25A-CA2 Series

Ø40, Ø50, Ø63, Ø80, Ø100

25A-CDA2L50-100Z-M9BW

#### **How to Order**



Series compatible with secondary batteries

#### With auto switch

Nil	Without magnet for switch*1	
D	With auto switch (Built-in magnet)	

\*1 In the case of without magnet for switch, auto switch cannot be mounted.

В

## Mounting Basic Avial foot

Axial foot		
Rod flange		
Head flange		
C Single clevis		
D Double clevis		
Center trunnion		

#### Bore size

40	40 mm
50	50 mm
63	63 mm
80	80 mm
100	100 mm

### Number of auto switches

SWILCIICS			
Nil	2		
S	1		
3	3		
n	n		

#### Auto switch

Nil	Without auto switch

Refer to page 205 for the applicable auto switch model.

#### Cylinder stroke [mm]

40	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500
50, 63	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 500, 600
80, 100	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600, 700

Intermediate strokes not listed above are produced upon receipt of order.

#### **Built-in Magnet Cylinder Model**

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch (Example) 25A-CDA2L40-100Z

\* The 25A- series specifications and dimensions are the same as those of the standard model.

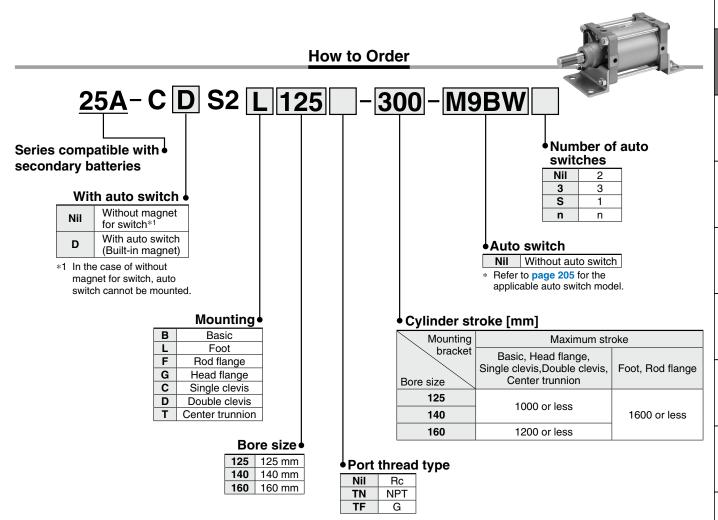
Click here for details.

#### Mounting Bracket Part Nos. for the 25A- Series

Bore size [mm]	40	50	63	80	100
Axial foot*1	90-CA2-L04	90-CA2-L05	90-CA2-L06	90-CA2-L08	90-CA2-L10
Flange	25A-CA2-F04	25A-CA2-F05	25A-CA2-F06	25A-CA2-F08	25A-CA2-F10
Single clevis	25A-CA2-C04	25A-CA2-C05	25A-CA2-C06	25A-CA2-C08	25A-CA2-C10
Double clevis*2	25A-CA2-D04	25A-CA2-D05	25A-CA2-D06	25A-CA2-D08	25A-CA2-D10

<sup>\*1</sup> When axial foot brackets are used, two pieces should be ordered for each cylinder.

<sup>\*2</sup> A clevis pin, flat washers and split pins are shipped together with double clevis.



### Built-in Magnet Cylinder Model

If a built-in magnet cylinder without auto switch is required, there is no need to enter the symbol for auto switch.
(Example) 25A-CS2B125-100

\* The 25A- series specifications and dimensions are the same as those of the standard model.

Click here for details.

#### Mounting Bracket Part Nos. for the 25A- Series

Bore size [mm]	125	140	160
Axial foot*1	CS2-L12	CS2-L14	CS2-L16
Flange	CS2-F12	CS2-F14	CS2-F16
Single clevis	CS2-C12	CS2-C14	CS2-C16
Double clevis*2	25A-CS2-D12	25A-CS2-D14	25A-CS2-D16

<sup>\*1</sup> Order two foot brackets per cylinder.

Air Cylinders

Directional Control Valves

Related Products

Rotary Actuators

Vacuum Equipment Air Grippers

Air Preparation Equipment

Clean Air Filters

Modular F.R.L./Pressure Control Equipment

Fittings/Flow Control Equipment

Detection Switches

Fluid Control Equipment

Electric Actuators

<sup>\*2</sup> A clevis pin and split pins are shipped together with double clevis.