

Air Cylinder: Standard Type Double Acting, Single Rod

Series 25A-CJ2

ø10, ø16

How to Order



Series compatible with secondary batteries

25A-C

Mounting style

B	Basic style
L	Axial foot style
F	Rod side flange style
D	Double clevis style

With auto switch

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

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

Bore size

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 at 1 mm intervals is possible. (Spacers are not used.)

Head cover port location

Bore size (mm)	Symbol
ø10, ø16	Nil
	R

* Double clevis is only available for being perpendicular to axis.

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch
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* Refer to page 131 for the applicable auto switch model.

Built-in Magnet Cylinder Model

Suffix the symbol "-B" (Band mounting style) to the end of part number for cylinder with auto switch.

Example	Band mounting style	25A-CDJ2B16-60-B
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Mounting Bracket Part No. for Series 25A-

Mounting bracket	Bore size (mm)	
	10	16
Foot bracket	90-CJ-L010B	90-CJ-L016B
Flange bracket	90-CJ-F010B	90-CJ-F016B

* Specifications and dimensions for the 25A-series are the same as standard products.

Air Cylinder: Standard Type Double Acting, Single Rod

Series 25A-CM2

ø20, ø25, ø32, ø40

How to Order



25A - C D M2 L 40 - 150 - M9BW

Series compatible with secondary batteries

With auto switch

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

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

Mounting style

B	Basic style	T	Head side trunnion style
L	Axial foot style	E	Clevis integrated style
F	Rod side flange style	BZ	Boss-cut basic style
G	Head side flange style	FZ	Boss-cut rod side flange style
C	Single clevis style	UZ	Boss-cut rod side trunnion style
D	Double clevis style		
U	Rod side trunnion style		

Bore size

20	20 mm
25	25 mm
32	32 mm
40	40 mm

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch
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* Refer to page 131 for the applicable auto switch model.

Cylinder Stroke (mm)

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

Note 1) Other intermediate strokes can be manufactured upon receipt of order. Manufacture of intermediate strokes at 1 mm intervals is possible. (Spacers are not used.)

Note 2) When exceeding 300 strokes, the allowable maximum stroke length is determined by the stroke selection table.

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-CDM2F32-100

* Specifications and dimensions for the 25A-series are the same as standard products.

Mounting Bracket Part No. for Series 25A-

Mounting bracket	Min. order	Bore size (mm)				Description (for min. order)
		20	25	32	40	
Axial foot *	2	CM-L020B-XB12	CM-L032B-XB12	CM-L040B-XB12		2 foot, 1 mounting nut
Flange	1	CM-F020B-XB12	CM-F032B-XB12	CM-F040B-XB12		1 flange
Single clevis **	1	25-CM-C020B	25-CM-C032B	25-CM-C040B		1 single clevis, 3 liners
Double clevis *** (with pins)	1	25-CM-D020B	25-CM-D032B	25-CM-D040B		1 double clevis, 3 liners, 1 clevis pins, 2 retaining rings
Trunnion (with nuts)	1	25-CM-T020B	25-CM-T032B	25-CM-T040B		1 trunnion, 1 trunnion nut

* Order 2 foot brackets for each cylinder unit.

** 3 Liners are attached with a clevis bracket for adjusting the mounting angle.

*** Clevis pins and retaining rings (cotter pins for ø40) are attached.

Air Cylinder: Standard Type Double Acting, Single Rod

Series 25A-CG1

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



How to Order

25A - C D G1 L N 25 - 100 - M9BWL

Series compatible with secondary batteries

With auto switch

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

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

Mounting style

B	Basic style
L	Axial foot style
F	Rod side flange style
G	Head side flange style
U	Rod side trunnion style
T	Head side trunnion style
D	Clevis style

Type

N	Rubber bumper
A	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

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch
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* Refer to page 131 for the applicable auto switch model.

Cylinder stroke (mm)

Bore size (mm)	Standard stroke ⁽¹⁾ (mm)	Long stroke ⁽²⁾ (mm)	Maximum stroke (mm)
20	25, 50, 75, 100, 125, 150, 200	201 to 350	1500
25	25, 50, 75, 100, 125, 150, 200, 250, 300	301 to 400	
32		301 to 450	
40		301 to 800	
50, 63		301 to 1200	
80		301 to 1400	
100		301 to 1500	

Note 1) Manufacture of intermediate strokes at 1 mm intervals is possible. (Spacers are not used.)

Note 2) Long stroke is compatible with the axial foot and rod side flange types. When other mounting brackets are used or the long stroke exceeds the limit, the allowable maximum stroke length is determined using the stroke selection table.

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-CDG1FN32-100

* Specifications and dimensions for the 25A-series are the same as standard products.

Mounting Bracket Part No. for Series 25A-

Mounting bracket	Min. order	Bore size (mm)								Description
		20	25	32	40	50	63	80	100	
Foot	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	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	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

Note) Order two foot brackets per cylinder.

Air Cylinder: Single Rod

Series 25A-MB

Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

How to Order



25A-MDBL32-50-M9BW

Series compatible with secondary batteries

With auto switch

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

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

Mounting

B	Basic
L	Axial foot
F	Rod side flange
G	Head side flange
C	Single clevis
D	Double clevis
T	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

Nil	2 pcs.
S	1 pc.
3	3 pcs.
n	"n" pcs.

Auto switch

Nil	Without auto switch
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* Refer to page 131 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-MDBB40-100

* Specifications and dimensions for the 25A-series are the same as standard products.

Mounting Bracket Part No. for Series 25A-

Bore size (mm)	32	40	50	63	80	100	125
Foot ^{Note 1)}	25-MB-L03	25-MB-L04	25-MB-L05	25-MB-L06	25-MB-L08	25-MB-L10	25-MB-L12
Flange	25-MB-F03	25-MB-F04	25-MB-F05	25-MB-F06	25-MB-F08	25-MB-F10	25-MB-F12
Single clevis	25-MB-C03	25-MB-C04	25-MB-C05	25-MB-C06	25-MB-C08	25-MB-C10	25-MB-C12
Double clevis	25-MB-D03	25-MB-D04	25-MB-D05	25-MB-D06	25-MB-D08	25-MB-D10	25-MB-D12

Note 1) Two foot brackets required for one cylinder.

Note 2) Accessories for each mounting bracket are as follows: Foot, flange, single clevis/body mounting bolt, double clevis/body mounting bolt, clevis pins, flat washer and cotter pins.

Air Cylinder: Standard Type Double Acting, Single Rod

Series 25A-CA2

Ø40, Ø50, Ø63, Ø80, Ø100



How to Order

25A - C D A2 L 50 - 100 Z - M9BWL

Series compatible with secondary batteries

With auto switch

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

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

Mounting style

B	Basic style
L	Axial foot style
F	Rod side flange style
G	Head side flange style
C	Single clevis style
D	Double clevis style
T	Center trunnion style

Bore size

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

Number of auto switches

Nil	2 pcs.
S	1 pc.
3	3 pcs.
n	"n" pcs.

Auto switch

Nil	Without auto switch
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* Refer to page 131 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-CDA2L40-100.

* Specifications and dimensions for the 25A-series are the same as standard products.

Mounting Bracket Part No. for Series 25A-

Bore size (mm)	40	50	63	80	100
Axial foot *	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 **	25A-CA2-D04	25A-CA2-D05	25A-CA2-D06	25A-CA2-D08	25A-CA2-D10

* When axial foot brackets are used, two pieces should be ordered for each cylinder.

** Double clevis type is packed with clevis pin, flat washer and cotter pin.

Air Cylinder: Standard Type Double Acting, Single Rod

Series 25A-CS2

ø125, ø140, ø160

How to Order



25A - C D S2 L 125 - 300 - M9BW

Series compatible with secondary batteries

With auto switch

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

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

Mounting style

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

Bore size

125	125 mm
140	140 mm
160	160 mm

Port thread type

Nil	Rc
TN	NPT
TF	G

Number of auto switches

Nil	2 pcs.
3	3 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch
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* Refer to page 131 for the applicable auto switch model.

Cylinder stroke (mm)

Mounting bracket Bore size	Maximum stroke	
	Basic, Head flange, Single clevis,Double clevis, Center trunnion	Foot, Rod flange
125	1000 or less	1600 or less
140		
160	1200 or less	

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-CDS2B125-200

* Specifications and dimensions for the 25A-series are the same as standard products.

Mounting Bracket Part No. for Series 25A-

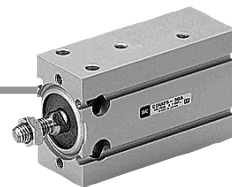
Bore size (mm)	125	140	160
Axial foot *	CS2-L12	CS2-L14	CS2-L16
Flange	CS2-F12	CS2-F14	CS2-F16
Single clevis	CS2-C12	CS2-C14	CS2-C16
Double clevis **	25A-CS2-D12	25A-CS2-D14	25A-CS2-D16

* Order two foot brackets per cylinder.

** When ordering the double clevis style, the clevis pin and 2 split pins are included as accessories.

Free Mount Cylinder Double Acting, Single Rod *Series 25A-CU* ø10, ø16, ø20, ø25, ø32

How to Order



Series compatible with secondary batteries

25A - C D U 16 - 30 D - M9BWL

With auto switch

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

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

Bore size

10	10 mm
16	16 mm
20	20 mm
25	25 mm
32	32 mm

Number of auto switches

Nil	2 pcs.
S	1 pc.

Auto switch

Nil	Without auto switch
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* Refer to page 131 for applicable auto switches.

Action

D	Double acting
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Standard stroke (mm)

ø10, ø16	5, 10, 15, 20, 25, 30
ø20, ø25, ø32	5, 10, 15, 20, 25, 30, 40, 50

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-CDU20-25D

* Specifications and dimensions for the 25A-series are the same as standard products.

Free Mount Cylinder: Non-rotating Rod Type Double Acting, Single Rod

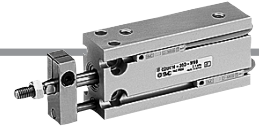
Series 25A-CUK

ø10, ø16, ø20, ø25, ø32

How to Order

Series compatible with secondary batteries

25A - C D UK 16 - 30 D - M9BWL



With auto switch

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

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

Non-rotating rod type

Bore size

10	10 mm
16	16 mm
20	20 mm
25	25 mm
32	32 mm

Standard stroke (mm)

ø10, ø16	5, 10, 15, 20, 25, 30
ø20, ø25, ø32	5, 10, 15, 20, 25, 30, 40, 50

Number of auto switches

Nil	2 pcs.
S	1 pc.

Auto switch

Nil	Without auto switch
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* Refer to page 131 for applicable auto switches.

Action

D	Double acting
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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-CDUK20-25D

* Specifications and dimensions for the 25A-series are the same as standard products.

Compact Cylinder: Standard Type Double Acting, Single Rod

Series 25A-CQS

ø12, ø16, ø20, ø25

How to Order



25A-C D QS B 20-30 D - M9BWL

Series compatible
with secondary
batteries

With auto switch

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

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

Mounting style

B	Through-hole/Both ends tapped common (Standard)
L	Foot style
F	Rod side flange style
G	Head side flange style
D	Double clevis style

* In the case of long strokes, use either ends tapped mounting or bracket mounting.

* Mounting brackets are shipped together, (but not assembled).

* Cylinder mounting bolts are not included.

Bore size

12	12 mm
16	16 mm
20	20 mm
25	25 mm

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch
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* Refer to page 131 for the applicable auto switch model.

Body option

<Standard stroke>

Nil	Standard
C	With rubber bumper
M	Rod end male thread

* Combination of body options is available.

<Long stroke>

C	With rubber bumper Rod end female thread (Standard)
CM	With rubber bumper Rod end male thread

* Rubber bumper is standard equipment for long stroke type.

Action

D	Double acting
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Cylinder stroke (mm)

Bore size	Standard stroke	Long stroke
12, 16	5, 10, 15, 20, 25, 30	35, 40, 45, 50, 75, 100, 125, 150, 175, 200
20	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	75, 100, 125, 150, 175, 200
25		75, 100, 125, 150, 175, 200, 250, 300

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-CDQSL25-30D

* Specifications and dimensions for the 25A-series are the same as standard products.

Mounting Bracket Part No. for Series 25A-

Bore size (mm)	Foot Note1)	Flange	Double clevis
12	25-CQS-L012	25-CQS-F012	25-CQS-D012
16	25-CQS-L016	25-CQS-F016	25-CQS-D016
20	25-CQS-L020	25-CQS-F020	25-CQS-D020
25	25-CQS-L025	25-CQS-F025	25-CQS-D025

Note1) When ordering foot bracket, order 2 pieces per cylinder.

Note2) Parts belonging to each bracket are as follows.

Foot or Flange style: Body mounting bolt Double clevis style: Clevis pin, Type C snap ring for axis, Body mounting bolt.

Compact Cylinder: Anti-lateral Load Type

Series 25A-CQS□S

ø12, ø16, ø20, ø25



How to Order

25A-C D QS B S 20 - 30 D C - M9BWL

Series compatible with secondary batteries

With auto switch

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

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

Mounting style

B	Through-hole/Both ends tapped common (Standard)
L	Foot style
F	Rod side flange style
G	Head side flange style
D	Double clevis style

* Mounting brackets are shipped together, (but not assembled).
* Cylinder mounting bolts are not included.

Cushion

S	Anti-lateral load type
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Bore size

12	12 mm
16	16 mm
20	20 mm
25	25 mm

Cylinder stroke (mm)

Bore size	Standard stroke
12, 16	5, 10, 15, 20, 25, 30
20, 25	5, 10, 15, 20, 25, 30, 35, 40, 45, 50

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch
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* Refer to page 131 for the applicable auto switch model.

Body option

C	With rubber bumper Rod end female thread (Standard)
CM	With rubber bumper Rod end male thread

Action

D	Double acting
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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-CDQSLS12-25DC
* With cushion only.

* Specifications and dimensions for the 25A-series are the same as standard products.

Mounting Bracket Part No. for Series 25A-

Bore size (mm)	Foot ⁽¹⁾	Flange	Double clevis
12	25-CQS-L012	25-CQS-F012	25-CQS-D012
16	25-CQS-L016	25-CQS-F016	25-CQS-D016
20	25-CQS-L020	25-CQS-F020	25-CQS-D020
25	25-CQS-L025	25-CQS-F025	25-CQS-D025

Note1) When ordering foot bracket, order 2 pieces per cylinder.

Note2) Parts belonging to each bracket are as follows.

Foot or Flange style: Body mounting bolt Double clevis style: Clevis pin, type C retaining ring for axis, Body mounting bolt

Compact Cylinder: Standard Double Acting, Single Rod

Series 25A-CQ2

ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100



How to Order

25A - C D Q2 B 20 - 30 D Z - M9BWL

• **Series compatible with secondary batteries**

• **With auto switch**

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

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

• **Mounting**

B	Through-hole (Standard)
A	Both ends tapped
L	Foot
F	Rod flange
G	Head flange
D	Double clevis

* Mounting brackets are shipped together, (but not assembled).
* Cylinder mounting bolts are not included.

• **Bore size**

12	12 mm	40	40 mm
16	16 mm	50	50 mm
20	20 mm	63	63 mm
25	25 mm	80	80 mm
32	32 mm	100	100 mm

• **Port thread type**

Nil	M thread	ø12 to ø25
	Rc	
TN	NPT	ø32 to ø100
TF	G	

• **Auto switch**

Nil	Without auto switch
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* Refer to page 131 for the applicable auto switch model.

• **Number of auto switches**

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

• **Auto switch mounting groove**

Z	ø12 to ø25	2 surfaces
	ø32 to ø100	4 surfaces

* "Z" is not available for ø12 to ø25 without auto switches.

• **Body option**

Nil	Standard (Rod end female thread)
C	With rubber bumper
M	Rod end male thread

* Combination of body options is available.

• **Action**

D	Double acting
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• **Cylinder stroke (mm)**

12, 16	5, 10, 15, 20, 25, 30
20, 25	5, 10, 15, 20, 25, 30, 35, 40, 45, 50
32, 40	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100
50 to 100	10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100

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-CDQ2L32-25DZ

Mounting Bracket Part No. for Series 25A-/Without auto switch

Bore size (mm)	Foot ⁽¹⁾	Flange	Double clevis
12	25-CQ-L012	25-CQ-F012	25-CQ-D012
16	25-CQ-L016	25-CQ-F016	25-CQ-D016
20	25-CQ-L020	25-CQ-F020	25-CQ-D020
25	25-CQ-L025	25-CQ-F025	25-CQ-D025
32	25-CQ-L032	25-CQ-F032	25-CQ-D032
40	25-CQ-L040	25-CQ-F040	25-CQ-D040
50	25-CQ-L050	25-CQ-F050	25-CQ-D050
63	25-CQ-L063	25-CQ-F063	25-CQ-D063
80	25-CQ-L080	25-CQ-F080	25-CQ-D080
100	25-CQ-L100	25-CQ-F100	25-CQ-D100

Note 1) When ordering a foot bracket, the required quantity will be different depending on the bore size.

ø12 to ø25:

- Without switch: Order 2 pieces per cylinder.
- With switch: Order 1 piece per cylinder. (Part number for a set of 2 foot brackets)

ø32 to ø100:

- Order 2 pieces per cylinder.

Note 2) Parts belonging to each bracket are as follows.

Foot or Flange: Body mounting bolts Double clevis: Clevis pin, Type C retaining rings for axis, Body mounting bolts

Simple Joint (Standard)/ Part No.

Bore size (mm)	Joint	Type A mounting bracket	Type B mounting bracket
32, 40	YU-03	YA-03	YB-03
50, 63	YU-05	YA-05	YB-05
80	YU-08	YA-08	YB-08
100	YU-10	YA-10	YB-10

<Ordering>

- Joints are not included with type A or B mounting brackets. Order them separately.

(Example)

Bore size ø40

Part no.

- Type A mounting bracketYA-03
- Joint.....YU-03

Compact Cylinder: Large Bore Size Double Acting, Single Rod

Series 25A-CQ2

ø125, ø140, ø160, ø180, ø200

How to Order

25A-C D Q2B 125 - 30 DC Z - M9BW

- Series compatible with secondary batteries**
- With auto switch**

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

* In the case of without magnet for switch, auto switch cannot be mounted.
- Mounting**

B	Through-hole/ Both ends tapped common (Standard)
---	---

* Cylinder mounting bolts are not included.
- Bore size**

125	125 mm
140	140 mm
160	160 mm
180	180 mm
200	200 mm
- Port thread type**

Nil	Rc
TN	NPT
TF	G
- Number of auto switches**

Nil	2 pcs.
S	1 pc.
n	"n" pcs.
- Auto switch**

Nil	Without auto switch
-----	---------------------

* Refer to page 131 for the applicable auto switch model.
- Auto switch mounting groove**

Z	ø125 to ø200	4 surfaces
---	--------------	------------
- Body option**

Nil	Standard (Rod end female thread)
M	Rod end male thread
- Cushion**

C	Rubber bumper
---	---------------
- Action**

D	Double acting
---	---------------
- Cylinder stroke (mm)**

Bore size	Standard stroke
125, 140, 160, 180, 200	10, 20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250, 300

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-CDQ2B140-30DCZ

* Specifications and dimensions for the 25A-series are the same as standard products.

Compact Cylinder: Long Stroke Double Acting, Single Rod

Series 25A-CQ2

ø32, ø40, ø50, ø63, ø80, ø100

How to Order

25A - C D Q2 A 32 - 200 DC Z - M9BW

- Series compatible with secondary batteries**
- With auto switch**

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

* In the case of without magnet for switch, auto switch cannot be mounted.
- Mounting**

A	Both ends tapped
L	Foot
F	Rod flange
G	Head flange
D	Double clevis

* Mounting brackets are shipped together, (but not assembled).
- Bore size**

32	32 mm
40	40 mm
50	50 mm
63	63 mm
80	80 mm
100	100 mm
- Port thread type**

Nil	Rc
TN	NPT
TF	G
- Number of auto switches**

Nil	2 pcs.
S	1 pc.
n	"n" pcs.
- Auto switch**

Nil	Without auto switch
-----	---------------------

* Refer to page 131 for the applicable auto switch model.
- Auto switch mounting groove**

Z	4 surfaces
---	------------
- Body option**

Nil	Standard (Rod end female thread)
M	Rod end male thread
- Cushion**

C	Rubber bumper
---	---------------
- Action**

D	Double acting
---	---------------
- Cylinder stroke (mm)**

Bore size	Standard stroke
32, 40, 50 63, 80, 100	125, 150, 175, 200, 250, 300

Simple Joint (Standard)/Part No.

Bore size (mm)	Joint	Type A mounting bracket	Type B mounting bracket
32, 40	YU-03	YA-03	YB-03
50, 63	YU-05	YA-05	YB-05
80	YU-08	YA-08	YB-08
100	YU-10	YA-10	YB-10

<Ordering>

- Joints are not included with type A or B mounting brackets. Order them separately.

(Example)

Bore size ø40 Part no.

- Type A mounting bracket.....YA-03

- Joint.....YU-03

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-CDQ2L40-200DCZ

* Specifications and dimensions for the 25A-series are the same as standard products.

Compact Cylinder: Anti-lateral Load

Series 25A-CQ2

ø32, ø40, ø50, ø63, ø80, ø100

How to Order

25A-C D Q2 B S 32 - 30 DC Z-M9BW

- Series compatible with secondary batteries**
- With auto switch**

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

* In the case of without magnet for switch, auto switch cannot be mounted.
- Mounting**

B	Through-hole (Standard)
A	Both ends tapped
L	Foot
F	Rod flange
G	Head flange
D	Double clevis

* Mounting brackets are shipped together, (but not assembled).
* Cylinder mounting bolts are not included.
- Type**

S	Anti-lateral load
---	-------------------
- Bore size**

32	32 mm
40	40 mm
50	50 mm
63	63 mm
80	80 mm
100	100 mm
- Port thread type**

Nil	Rc
TN	NPT
TF	G
- Number of auto switches**

Nil	2 pcs.
S	1 pc.
n	"n" pcs.
- Auto switch**

Nil	Without auto switch
-----	---------------------

* Refer to page 131 for the applicable auto switch model.
- Auto switch mounting groove**

Z	4 surfaces
---	------------
- Body option**

Nil	Standard (Rod end female thread)
M	Rod end male thread
- Cushion**

C	Rubber bumper
---	---------------
- Action**

D	Double acting
---	---------------
- Cylinder stroke (mm)**

Bore size	Standard stroke
32, 40	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100
50, 63, 80, 100	10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100

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.

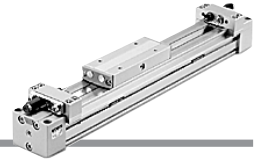
(Example) 25A-CDQ2LS40-30DCZ

* Specifications and dimensions for the 25A-series are the same as standard products.

Mechanically Jointed Rodless Cylinder Basic Type

Series 25A-MY1B

ø20, ø25, ø32, ø40, ø50, ø63



How to Order

25A - MY1B 20 [] - 300 [] [] - M9BWL []

Series compatible with secondary batteries

Basic type

Bore size

20	20 mm
25	25 mm
32	32 mm
40	40 mm
50	50 mm
63	63 mm

Piping

Nil	Standard type
G	Centralized piping type

Cylinder stroke (mm)

20, 25, 32, 40, 50, 63	100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1400, 1600, 1800, 2000
------------------------	---

* Strokes are manufacturable in 1 mm increments, up to the maximum stroke. However, contact SMC when exceeding a 2000 mm stroke.

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
-----	---------------------------------------

* Applicable auto switches vary depending on the bore size. Select an applicable one referring to page 131.

Suffix for stroke adjusting unit

Nil	Both sides
S	One side

Note) "S" is applicable for stroke adjusting units L or H.

Stroke adjusting unit

Nil	Without adjusting unit
L	With low load shock absorber + Adjusting bolt
H	With high load shock absorber + Adjusting bolt
LH	With one L unit and one H unit each

* Stroke adjusting unit is not available for ø50 and ø63.

* Specifications and dimensions for the 25A-series are the same as standard products.

Mechanically Jointed Rodless Cylinder Linear Guide Type

Series 25A-MY1H

Ø16, Ø20, Ø25, Ø32, Ø40



How to Order

25A - MY1H **25** **- 300** **- M9BWL**

Series compatible with secondary batteries

Linear guide type

Bore size

16	16 mm
20	20 mm
25	25 mm
32	32 mm
40	40 mm

Piping

Nil	Standard type
G	Centralized piping type

Cylinder stroke (mm)

16, 20, 25, 32, 40	50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600
--------------------	---

Stroke adjusting unit

Nil	Without adjusting unit
L	With low load shock absorber + Adjusting bolt
H	With high load shock absorber + Adjusting bolt
LH	With one L unit and one H unit each

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
-----	---------------------------------------

Suffix for stroke adjusting unit

Nil	Both sides
S	One side

Note) "S" is applicable for stroke adjusting units L or H.

* H unit is not available for 25A-MY1H16.

* Specifications and dimensions for the 25A-series are the same as standard products.

Mechanically Jointed Rodless Cylinder Linear Guide Type

Series 25A-MY2H ø16, ø25

How to Order



25A - MY2H 16 G - 300 L - M9BWL

Series compatible with
secondary batteries

Linear guide type

Bore size

16	16 mm
25	25 mm

Piping

G	Centralized piping type (Standard)
---	------------------------------------

Cylinder stroke (mm)

16,	50, 100, 150, 200, 250, 300, 350,
25	400, 450, 500, 550, 600

Number of auto
switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
-----	--

* Refer to page 131 for the
applicable auto switch model.

Suffix for stroke adjusting unit

Nil	Both sides
S	One side

Note) "S" is applicable for stroke
adjusting units L or H.

Stroke adjusting unit

Nil	Without adjusting unit
L	With low load shock absorber
H	With high load shock absorber
LH	With one L unit and one H unit each

* Specifications and dimensions for the 25A-series are the same as standard products.

Magnetically Coupled Rodless Cylinder/ Basic Type

Series **25A-CY3B**

Ø15, Ø20, Ø25, Ø32, Ø40

How to Order



25A-CY3B **25** - **300**

Series compatible with
secondary batteries

Basic type

Bore size

15	15 mm
20	20 mm
25	25 mm
32	32 mm
40	40 mm

Standard Stroke

Bore size	Standard stroke	Maximum available stroke
15	50, 100, 150, 200, 250, 300, 350 400, 450, 500	1000
20	100, 150, 200, 250, 300, 350 400, 450, 500, 600, 700, 800	1500
25		2000
32		
40	100, 150, 200, 250, 300, 350, 400 450, 500, 600, 700, 800, 900, 1000	

Note 1) Please contact SMC if the maximum stroke is exceeded.

Note 2) The longer the stroke, the larger the amount of deflection in a cylinder tube. Pay attention to the mounting bracket and clearance value.

Note 3) Intermediate stroke is available by the 1 mm interval.

* Specifications and dimensions for the 25A-series are the same as standard products.

Magnetically Coupled Rodless Cylinder/ Direct Mount Type

Series 25A-CY3R

ø15, ø20, ø25, ø32, ø40

How to Order



25A - CY3R [] 25 - 300 [] - M9BWL []

Series compatible
with secondary
batteries

Direct mount type

Piping type

Nil	Standard type
G	Centralized piping type

Bore size

15	15 mm
20	20 mm
25	25 mm
32	32 mm
40	40 mm

Cylinder stroke (mm)

Bore size (mm)	Standard stroke (mm)	Max. stroke without switch (mm)	Max. stroke with switch (mm)
15	50, 100, 150, 200, 250, 300, 350, 400, 450, 500	1000	750
20	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800	1500	1000
25			1200
32			
40	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000	2000	1500

Note 1) The longer the stroke, the larger the amount of deflection in a cylinder tube. Pay attention to the mounting bracket and clearance value.

Note 2) Intermediate stroke is available by the 1 mm interval.

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch type

Nil	Without auto switch (Built-in magnet)
-----	---------------------------------------

* Refer to page 131 for the applicable auto switch model.

Note) In case of ø20 with switch rail but without auto switch, the cylinder construction is for reed auto switch. Mounting a solid state auto switch causes malfunctions.

Switch rail

Nil	With switch rail
N	Without switch rail

Note 1) A type with switch rail has built-in auto switch magnets.

Note 2) ø15 has built-in auto switch magnets even without switch rail.

* Specifications and dimensions for the 25A-series are the same as standard products.

Air Slide Table

Series 25A-MXS

ø6, ø8, ø12, ø16, ø20, ø25

How to Order



Air slide table

25A – MXS 16 [] [] – 50 AS – M9BWL []

Series compatible with secondary batteries

Port thread type

Nii	M thread	ø6 to ø16
	Rc	
TN	NPT	ø20, ø25
TF	G	

Symmetric type

Nil	Standard type
L	Symmetric type

Bore size/Stroke (mm)

6	10, 20, 30, 40, 50
8	10, 20, 30, 40, 50, 75
12	10, 20, 30, 40, 50, 75, 100
16	10, 20, 30, 40, 50, 75, 100, 125
20	10, 20, 30, 40, 50, 75, 100, 125, 150
25	10, 20, 30, 40, 50, 75, 100, 125, 150

Adjuster option

Nil	Without adjuster
AS	Adjuster on extension end
AT	Adjuster on retraction end
A	Adjuster on both ends
BS	Absorber on extension end
BT	Absorber on retraction end
B	Absorber on both ends
ASBT	Adjuster on extension end + Absorber on retraction end
BSAT	Absorber on extension end + Adjuster on retraction end

* With shock absorber is not available in the 25A-MXS6 series.

* When the adjuster option with shock absorber is used, metal-to-metal collisions occur, and may generate dust particles.

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
-----	---------------------------------------

* Refer to page 131 for applicable auto switches.

* Specifications and dimensions for the 25A-series are the same as standard products.

Air Slide Table

Series 25A-MXQ

ø6, ø8, ø12, ø16, ø20, ø25

How to Order



Series compatible with secondary batteries

25A-MXQ 16 - 50 AS - M9BWL

Port thread type

Nii	M thread	ø6 to ø16
	Rc	
TN	NPT	ø20, ø25
TF	G	

Symmetric type

Nil	Standard type
L	Symmetric type

Bore size/Stroke (mm)

6	10,20,30,40,50
8	10,20,30,40,50,75
12	10,20,30,40,50,75,100
16	10,20,30,40,50,75,100,125
20	10,20,30,40,50,75,100,125,150
25	10,20,30,40,50,75,100,125,150

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
-----	---------------------------------------

* Refer to page 131 for applicable auto switches.

Adjuster option

Nil	Without adjuster
AS	Extension end adjuster
AT	Retraction end adjuster
A	Double end adjuster
BS	Extension end absorber
BT	Retraction end absorber
B	Double absorber
CS	Extension end metal stopper
CT	Retraction end metal stopper
C	Double metal stopper
ASBT	Extension end adjuster + Retraction end absorber
ASCT	Extension end adjuster + Retraction end metal stopper
BSAT	Extension end absorber + Retraction end adjuster
BSCT	Extension end absorber + Retraction end metal stopper
CSAT	Extension end metal stopper + Retraction end adjuster
CSBT	Extension end metal stopper + Retraction end absorber

* With shock absorber is not available in 25A-MXQ6 series.

* When the adjuster option with shock absorber or metal stopper is used, metal-to-metal collisions occur, and may generate dust particles.

* Specifications and dimensions for the 25A-series are the same as standard products.

Air Slide Table

Series 25A-MXW

ø8, ø12, ø16, ø20, ø25

How to Order

25A – MXW **16** **100** **B** **M9BW**

Series compatible with secondary batteries

Port thread type

Nii	M thread	ø8 to ø16
	Rc	
TN	NPT	ø20, ø25
TF	G	

Bore size/Stroke (mm)

8	25, 50, 75, 100, 125, 150
12	50, 75, 100, 125, 150
16	75, 100, 125, 150, 175, 200
20	100, 125, 150, 175, 200, 225, 250
25	100, 125, 150, 175, 200, 225, 250, 275, 300

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
------------	---------------------------------------

* Refer to page 131 for applicable auto switches.

Option

Nil	Standard (With urethane bumper)
B	With shock absorbers 2 pcs.

* When the adjuster option with shock absorber is used, metal-to-metal collisions occur, and may generate dust particles.

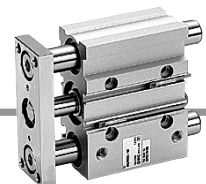
* Specifications and dimensions for the 25A-series are the same as standard products.

Compact Guide Cylinder

Series 25A-MGP

Ø12, Ø16, Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

How to Order



Slide bearing type

25A-MGP M 25 - 30 - M9BWL

Series compatible with
secondary batteries

Compact Guide Cylinder

Bearing type

M Slide bearing

Bore size

12	12 mm	40	40 mm
16	16 mm	50	50 mm
20	20 mm	63	63 mm
25	25 mm	80	80 mm
32	32 mm	100	100 mm

Cylinder stroke (mm)

12, 16	10, 20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250
20, 25	20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400
32 to 100	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400

Number of auto
switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
------------	--

* Refer to page 131 for the
applicable auto switch model.

* Specifications and dimensions for the 25A-series are the same as standard products.

Ball bushing bearing type

25A-MGP L 25 - 30 - M9BWL

Series compatible with
secondary batteries

Compact Guide Cylinder

Bearing type

L Ball bushing bearing

Bore size

12	12 mm	40	40 mm
16	16 mm	50	50 mm
20	20 mm	63	63 mm
25	25 mm	80	80 mm
32	32 mm	100	100 mm

Cylinder stroke (mm)

12, 16	10, 20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250
20, 25	20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400
32 to 100	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400

Number of auto
switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
------------	--

* Refer to page 131 for the
applicable auto switch model.

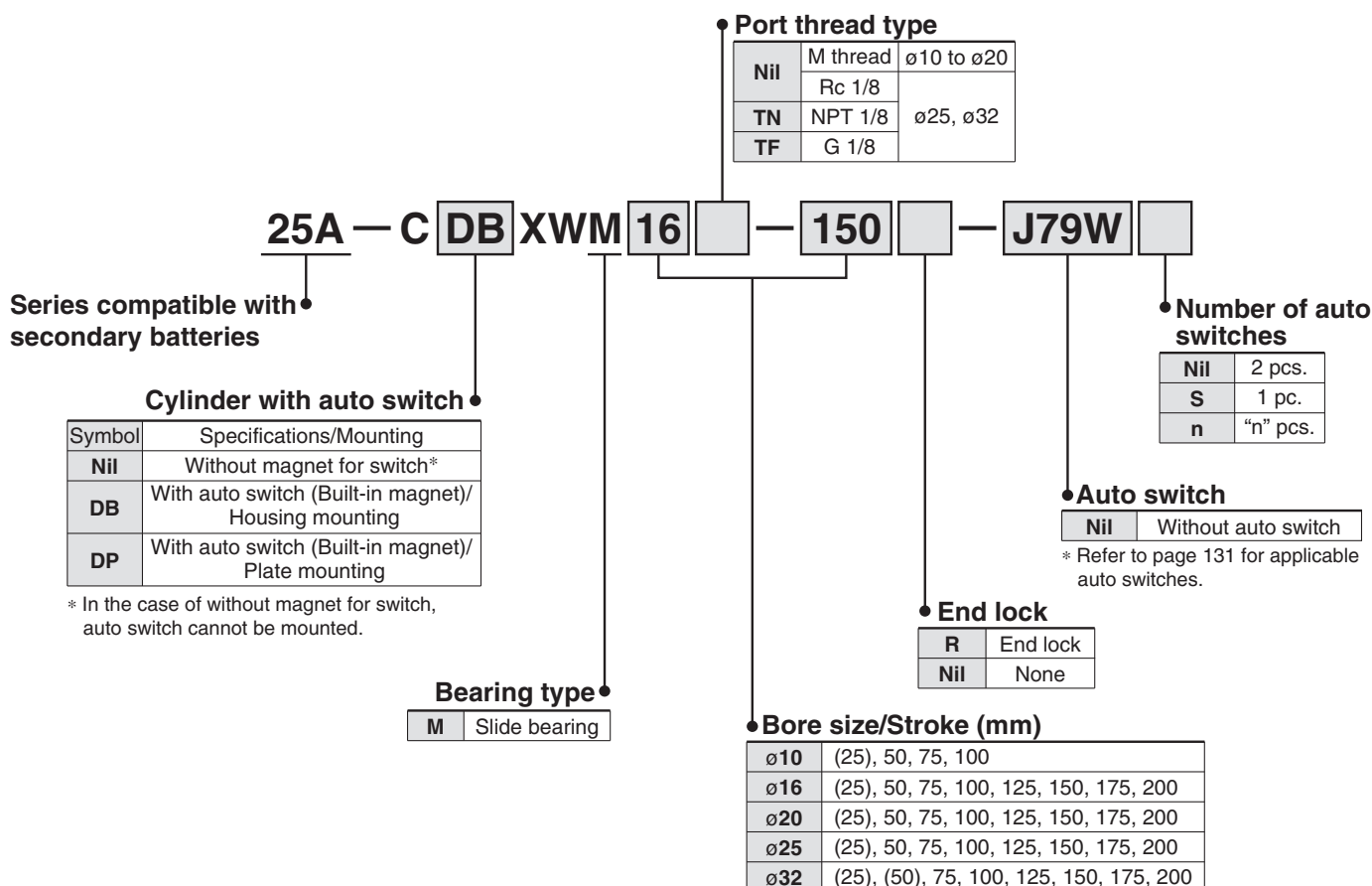
* Specifications and dimensions for the 25A-series are the same as standard products.

Slide Unit: Built-in Shock Absorber Slide Bearing Type

Series 25A-CXWM

ø10, ø16, ø20, ø25, ø32

How to 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-CDPXWM20-100

Note1) For the strokes indicated in the parentheses of the ø10, ø16 and ø25, shock absorbers are to be mounted on both sides of the plate. For the strokes indicated in the parentheses of the ø20 and ø32, a shock absorber is to be mounted on single side of the plate.

Note2) For the strokes other than those indicated above, refer to Best Pneumatics No. 1.

Note3) For ø16, ø20 and ø25, strokes up to 300, and for ø32, strokes up to 250 are available as made-to-order.

* Specifications and dimensions for the 25A-series are the same as standard products.

Dual Rod Cylinder Basic Type

Series 25A-CXS

Ø6, Ø10, Ø15, Ø20, Ø25, Ø32

How to Order



Slide bearing type

25A-CXSM 25-100-Y7BW

Series compatible with secondary batteries

Bearing type

M Slide bearing

Bore size/Stroke (mm)

Bore size	Standard stroke (mm)
6	10, 20, 30, 40, 50
10	10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 75
15, 20, 25, 32	10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 75, 80, 90, 100

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil Without auto switch (Built-in magnet)

* Refer to page 131 for applicable auto switches.

* Specifications and dimensions for the 25A-series are the same as standard products.

Ball bushing bearing type

25A-CXSL 20-100-Y7BW

Series compatible with secondary batteries

Bearing type

L Ball bushing bearing

Bore size/Stroke (mm)

Bore size	Standard stroke (mm)
6	10, 20, 30, 40, 50
10	10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 75
15, 20, 25, 32	10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 75, 80, 90, 100

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil Without auto switch (Built-in magnet)

* Refer to page 131 for applicable auto switches.

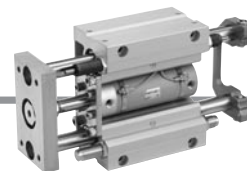
* Specifications and dimensions for the 25A-series are the same as standard products.

Guide Cylinder

Series 25A-MGG

Ø20, Ø25, Ø32, Ø40, Ø50

How to Order



25A - MGG L B 32 - 100 - M9BWL

Series compatible with secondary batteries

Guide Cylinder

Bearing type

L	Ball bushing bearing
---	----------------------

Mounting style

B	Basic style
F	Front mounting flange style

Bore size

20	20 mm
25	25 mm
32	32 mm
40	40 mm
50	50 mm

Cylinder stroke (mm)

Bore size (mm)	Standard stroke (mm)	Long stroke (mm)
20	75, 100, 125, 150, 200	250, 300, 350, 400
25	75, 100, 125, 150, 200, 250, 300	350, 400, 450, 500
32		350, 400, 450, 500, 600
40		350, 400, 450, 500, 600, 700, 800
50		350, 400, 450, 500, 600, 700, 800, 900, 1000

* Intermediate strokes and short strokes other than the above are produced upon receipt of order.

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch (Built-in magnet)
-----	---------------------------------------

* Refer to page 131 for applicable auto switches.

* Specifications and dimensions for the 25A-series are the same as standard products.