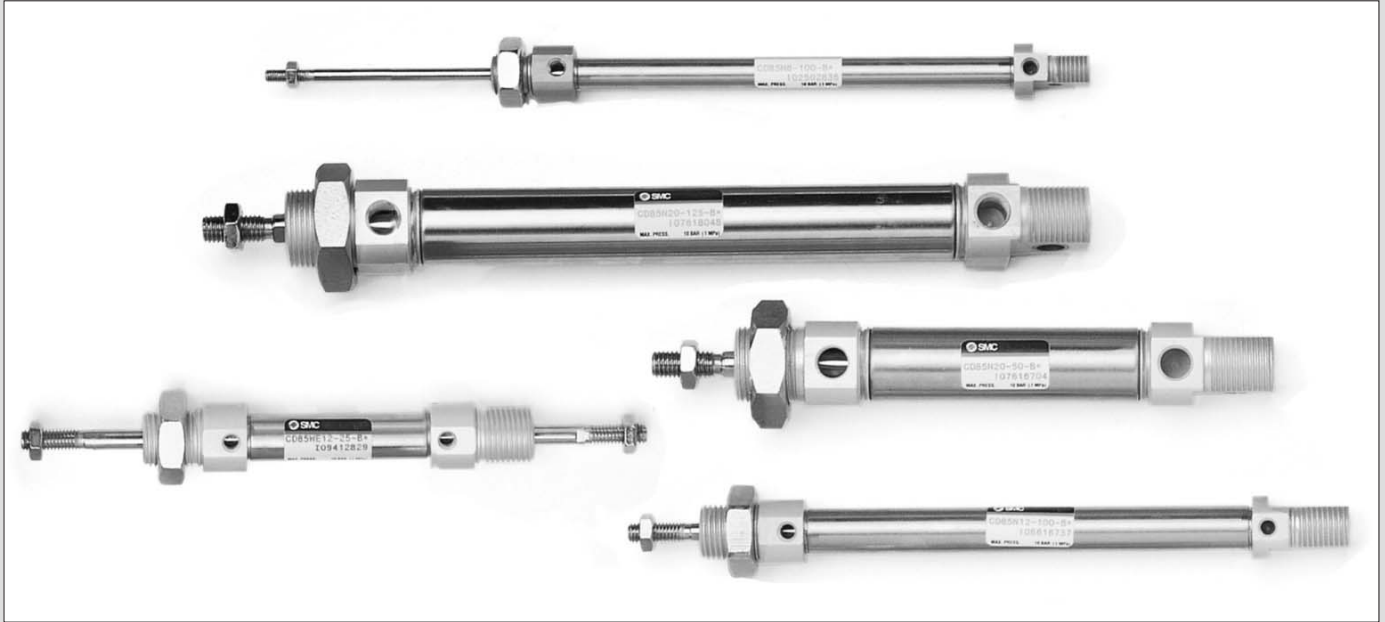







ISO Cylinder Series C85

ø8, ø10, ø12, ø16, ø20, ø25

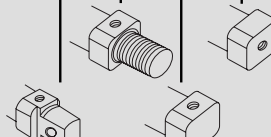
Conforming to ISO 6432 and CETOP RP52P.



Series Variations

Series	Action	Rod	Cushion	Head cover style				Switch mount		Rod boot (ø20, 25)	Bore size (mm)	Page
				N	E	F	Y	Rail	Band			
Standard Series C85 	Double acting	Single	Rubber	●	●	●	●	●	●	●	8 to 25	6-11-6
			Air	●	●	●	●	●	●	●	10 to 25	
	Double	Rubber	●	●	●	●	●	●	●	●	8 to 25	
		Air	●	●	●	●	●	●	●	●	10 to 25	
Single acting	Single (SR, SE)	Rubber	●	●	●	●	●	●	●	8 to 25	6-11-23	
Non-rotating rod Series C85K 	Double acting	Single	Rubber	●	●	●	●	●	●	●	8 to 25	6-11-6
	Single acting	Single (SR, SE)	Rubber	●	●	●	●	●	●	●	8 to 25	6-11-23
	(Not for SE)											
Direct mount Series C85R  Mounting style	Base Double acting	Single	Rubber	●	●	●	●	●	●	●	8 to 25	6-11-38
	Front Double acting	Single	Rubber	●	●	●	●	●	●	●	20, 25	

SR = Spring Return
SE = Spring Extended



- CJ1
- CJP
- CJ2
- CM2
- CG1
- MB
- MB1
- CA2
- CS1
- C76
- C85**
- C95
- CP95
- NCM
- NCA
- D-
- X
- 20-
- Data

Series C85: $\varnothing 8$, $\varnothing 10$, $\varnothing 12$,

Extended Service Life

Automated assembly guarantees 100% repeatable mounting accuracy.

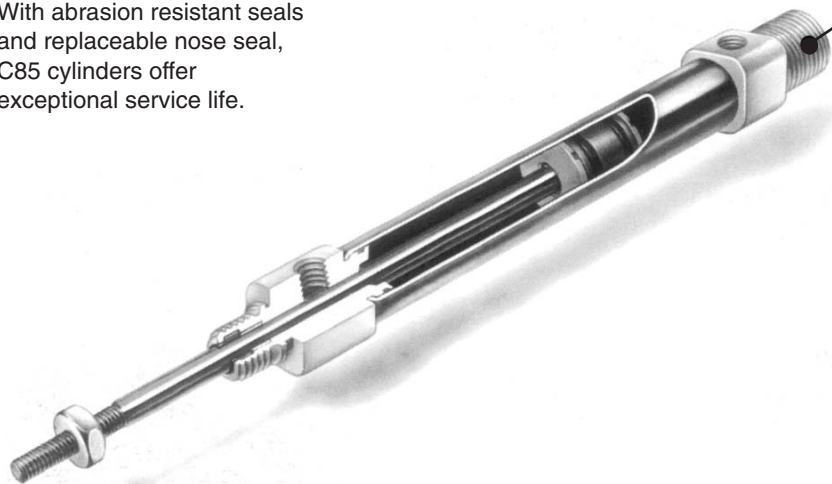
With abrasion resistant seals and replaceable nose seal, C85 cylinders offer exceptional service life.

Corrosion Resistance

All parts are corrosion resistant. End covers and clevis are specially anodised while barrel is stainless steel. Piston rod is stainless steel up to $\varnothing 16$. $\varnothing 20$ to $\varnothing 40$ is C45 hard chromed.

ISO Standard 6432

is compliant with auto switch type.



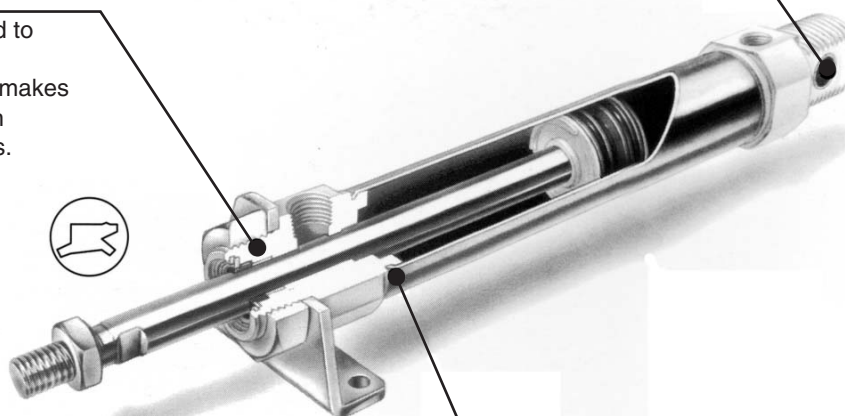
C85: $\varnothing 8$, $\varnothing 10$, $\varnothing 12$, $\varnothing 16$

Bronze Bush Bearing

High quality bronze bush in clevis bearing extends the life of cylinder.

High Dust Resistance

A unique rod seal is employed to prevent entry of dust. The effectiveness of the seal makes the cylinder suitable for use in extremely dusty environments.



C85: $\varnothing 20$, $\varnothing 25$

Leak Proof Assembly

Double swaging of the end covers of the barrel provides an absolutely air tight union.

ø16, ø20, ø25,

Easy-accurate Mounting

Simple space-saving design with high dimensional accuracy makes these cylinders very easy to use. Large spanner flats on the rod and head covers greatly simplify their installation and positioning.

High Speed Actuation

Low friction and the standard elastomer cushion seals allow piston speeds up to 1500 mm/s. Either rubber bumper or air cushions are available.

Replaceable Rod Seal

Rod seal can be quickly replaced, greatly extending the cylinder life. (C85 ø20, 25).

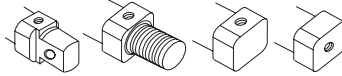
Minimized Side Clearance

The close tolerance of the piston rod in the front end bush allows greater side loading.

Strong, Corrosion-proof Barrel

The risk of breakage or deformation due to external impacts is reduced by the use of harder, heavy walled stainless steel tube.

C85: ø20, ø25



Mounting Flexibility

Different head covers allow a great variety of mounting options.

Series Variations

Series	Action	Variations	Basic integrated clevis (N)					Rod boot (Only ø20, ø25)		Only bores ø20, ø25 mm				Bore ø8 to ø16 and all non-rotating piston rod are already Stainless steel R R2				
			Bore size (mm)					Double end (E)		Auto switch		-XB6	-XB7	-XB9	-XC4	Stainless steel R	Stainless steel R2	
			8	10	12	16	20	25	Front nose	Front nose in line port (Y)	Rail mounting	Band mounting	High temp.	Low temp.	Low speed			Heavy duty scraper
C85	Double acting, Single rod	Rubber cushion	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Air cushion	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Non rotating	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Direct mount Bottom side mounting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Direct mount Front side mounting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Double acting, Double rod	Rubber cushion	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Air cushion	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Single acting, Spring return	Rubber cushion	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Non rotating	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Single acting, Spring extended	Rubber cushion	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Non rotating	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Stainless steel piston rod and rod end nut

Stainless steel piston rod, rod end nut and mounting nut

- CJ1
- CJP
- CJ2
- CM2
- CG1
- MB
- MB1
- CA2
- CS1
- C76
- C85**
- C95
- CP95
- NCM
- NCA
- D-
- X
- 20-
- Data

Stroke Selection

The relation between the cylinder size and the maximum stroke depending on the mounting style

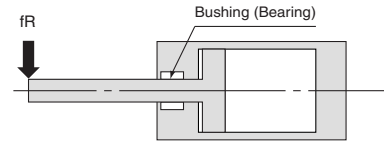
Assuming that the force that is generated by the cylinder itself acts as a buckling force on the piston rod or on the piston rod and the cylinder tube, the table below indicates in centimeters the maximum stroke that can be used, which was obtained through calculation. Therefore, it is possible to find the maximum stroke that can be used with each cylinder size according to the relationship between the level of the operating pressure and the type of cylinder mounting, regardless of the load factor.



Reference: Even under a light load, if the piston rod has been stopped by an external stopper at the extending side of the cylinder, the maximum force generated by the cylinder will act upon the cylinder itself.

The maximum stroke at which the cylinder can be operated under a lateral load

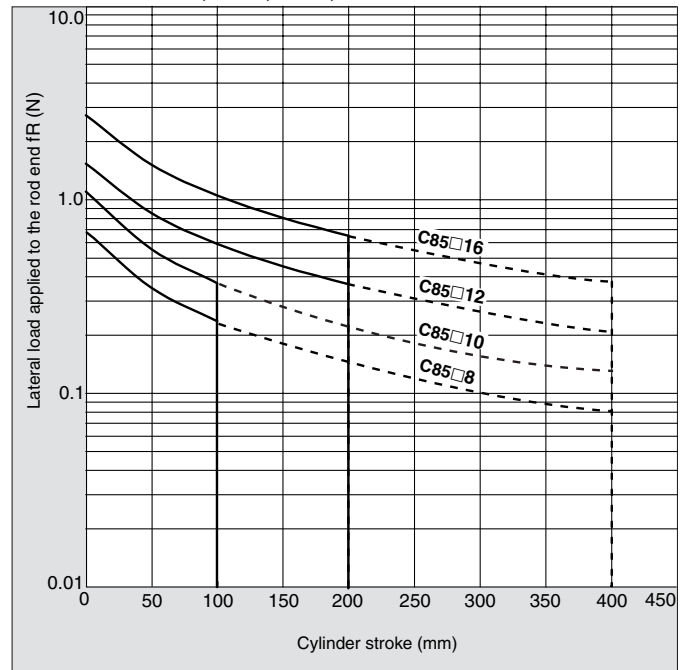
The region that does not exceed the bold solid line represents the allowable lateral load in relation to the cylinder of a given stroke length. In the graph, the range of the broken line shows that the long stroke limit has been exceeded. In this region, as a rule, operate the cylinder by providing a guide along the direction of movement.



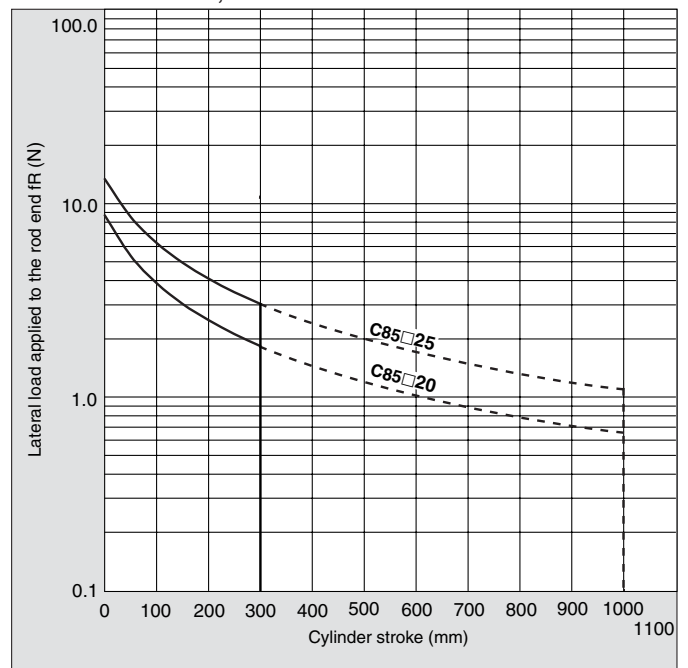
(cm)

Mounting style			Nominal symbol	Operating pressure (MPa)	Maximum stroke that can be used according to buckling strength								
Mounting bracket diagram					C85								
Foot: L	Rod side flange: F	Head side flange: G			8	10	12	16	20	25			
	L	T	0.3	24	18	36	26	38	48				
			0.5	18	14	27	19	29	36				
			0.7	14	11	22	16	23	30				
	G	0.3	9	6	15	10	15	20					
		0.5	6	4	10	6	10	14					
		0.7	4	3	8	4	8	11					
Clevis: C, D	Rod side trunnion: U	C	D	0.3	22	17	35	24	36	46			
				0.5	16	12	26	18	27	34			
				0.7	13	10	21	14	22	28			
		U	0.3	(40)*	(40)*	(40)*	(40)*	80	(100)*				
			0.5	38	30	(40)*	(40)*	61	77				
			0.7	32	25	(40)*	35	51	64				
Head side trunnion: U	Center trunnion: O	U	O	0.3	22	17	35	24	37	47			
				0.5	16	12	26	18	27	35			
				0.7	13	10	21	14	22	28			
		Foot: L	Rod side flange: F	Head side flange: G	L	T	0.3	(40)*	(40)*	(40)*	(40)*	(100)*	(100)*
							0.5	(40)*	(40)*	(40)*	(40)*	89	(100)*
							0.7	(40)*	36	(40)*	(40)*	74	93
G	0.3	33	26	(40)*	37	54	69						
	0.5	25	19	39	27	41	52						
	0.7	20	15	32	22	33	43						
Foot: L	Rod side flange: F	Head side flange: G	L	T	0.3	(40)*	(40)*	(40)*	(40)*	(100)*	(100)*		
					0.5	(40)*	(40)*	(40)*	(40)*	(100)*	(100)*		
					0.7	(40)*	(40)*	(40)*	(40)*	(100)*	(100)*		
			G	0.3	(40)*	38	(40)*	(40)*	79	(100)*			
				0.5	37	29	(40)*	(40)*	60	76			
				0.7	30	23	(40)*	34	50	63			

Series C85: ø8, ø10, ø12, ø16



Series C85: ø20, ø25



CJ1

CJP

CJ2

CM2

CG1

MB

MB1

CA2

CS1

C76

C85

C95

CP95

NCM

NCA

D-

-X

20-

Data

ISO Cylinder: Standard/Non-rotating Type Double Acting, Single/Double Rod

Series C85

ø8, ø10, ø12, ø16, ø20, ø25

How to Order

Double acting Single rod C D 85

Double acting Double rod C D 85 W

Built-in magnet

Nil	None
D	Built-in magnet

Type

Nil	Standard
K	Non-rotating rod (Rubber cushion only)

Mounting style

Symbol	Mounting
N	Basic integrated clevis
E**	Double end
F**	Front nose
Y**	Front nose in line port

* Double acting, Double rod:
Only double end style (E).
** Except air cushion type.

Auto switch mounting type

A	Rail mounting
B	Band mounting

Applicable auto switches and bands are shown on page 6-11-44. Please order auto switches and bands separately.

Option

R	Stainless steel piston rod, rod end nut and mounting nut
R2	Stainless steel piston rod and rod end nut

Note) Please refer to page 6-11-47 for additional options. Only one option can be selected.

Rod boot (Only ø20, ø25)

Nil	Without rod boot
J	Nylon tarpaulin one side
K	Heat resistant tarpaulin one side
JJ*	Nylon tarpaulin both sides
KK*	Heat resistant tarpaulin both sides

* In the case of double acting/double rod.

Bore size **Stroke**

Bore size (mm)	Standard stroke (mm)**	Max. stroke (mm)		
		Standard	Non-rotating	Double rod
8*	10, 25, 40, 50, 80, 100	400	100	100
10			200	200
12	10, 25, 40, 50, 80, 100, 125, 160, 200	1000	1000	500
16				
20	10, 25, 40, 50, 80, 100, 125, 160, 200, 250, 300	1000	1000	500
25				

* Not available with air cushion.
** Other strokes available on request.

Cushion

Nil	Rubber cushion (Standard)
C	Air cushion (Only "N" execution, bores 10 to 25 mm)

Mounting Bracket Part No.

		Bore size (mm)					
		8	10	12	16	20	25
Mounting bracket	Foot (1 pc.)	C85L10A	C85L12A	C85L16A	C85L20A	C85L25A	
	Foot (2 pcs. with mounting nut 1 pc.)	C85L10B	C85L12B	C85L16B	C85L20B	C85L25B	
	Flange	C85F10	C85F12	C85F16	C85F20	C85F25	
	Trunnion	C85T10	C85T12	C85T16	C85T20	C85T25	
	Clevis	C85C10	C85C12	C85C16	C85C20	C85C25	
Accessory	Single knuckle joint	KJ4D	KJ6D	KJ8D	KJ10D		
	Double knuckle joint	GKM4-8	GKM6-10	GKM8-16	GKM10-20		
	Floating joint	JA10-4-070	JA15-6-100	JA20-8-125	JA30-10-125		

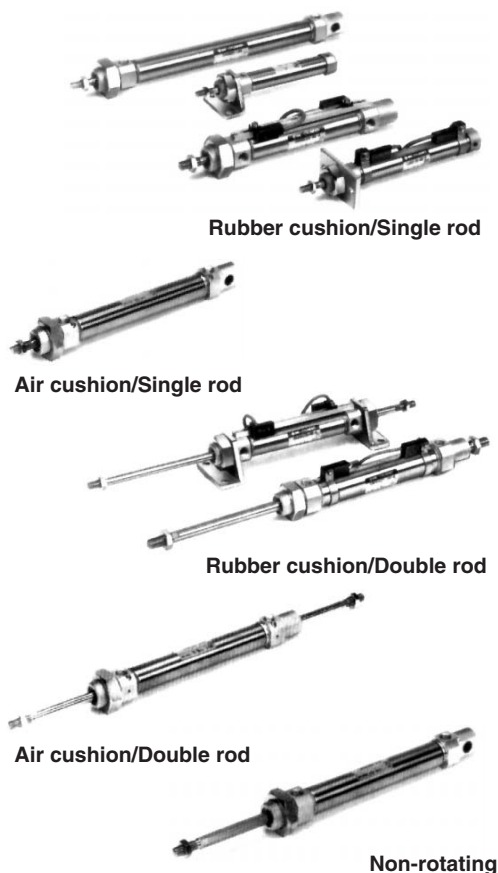
Replacement Parts For Standard Cylinders

Bore size (mm)	Part no.	Note
20	C85-20PS	Every set includes: n°1 rod seal
25	C85-25PS	n°1 seal retaining washer n°1 retaining ring

For Non-rotating Cylinders ("K")

Bore size (mm)	Part no.	Note
20	C85K-20PS	Every set includes: n°1 rod seal
25	C85K-25PS	n°1 seal retaining washer n°1 retaining ring

ISO Cylinder: Standard/Non-rotating Type Double Acting, Single/Double Rod **Series C85**



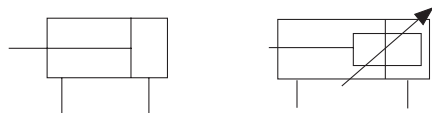
Specifications

Bore size (mm)		8	10	12	16	20	25
Piston rod dia. (mm)		4	4	6	6	8	10
Piston rod thread		M4 x 0.7	M4 x 0.7	M6 x 1	M6 x 1	M8 x 1.25	M10 x 1.25
Port size		M5 x 0.8	M5 x 0.8	M5 x 0.8	M5 x 0.8	G 1/8	G 1/8
Action		Double acting, Single/Double rod					
Fluid		Air					
Proof pressure		1.5 MPa					
Max. operating pressure		1.0 MPa					
Min. operating pressure	Spring return	0.1 MPa	0.08 MPa	0.05 MPa	0.05 MPa		
	Spring extended				0.08 MPa		
Ambient and fluid temperature		-20 to 80°C (Built-in magnet: -10 to 60°C)					
Cushion		Rubber cushion, Air cushion (Except ø8) (Non-rotating: Rubber bumper only)					
Lubrication		Not required. Use turbine oil Class 1 ISO VG32, if lubricated.					
Rod boot	Nylon tarpaulin	—				Max. ambient temperature 60°C	
	Heat resistant tarpaulin	—				Max. ambient temperature 110°C*	
Piston speed		50 to 1500 mm/s					
Allowable kinetic energy	Rubber cushion	0.02 J	0.03 J	0.04 J	0.09 J	0.27 J	0.4 J
	Air cushion	—	0.17 J	0.19 J	0.4 J	0.66 J	0.97 J
Non-rotating accuracy		±1° 30'	±1° 30'	±1°	±1°	±0° 42'	±0° 42'
Stroke tolerance (mm)		0/+1				0/+1.4	

* Maximum ambient temperature of rod boots only.

JIS Symbol

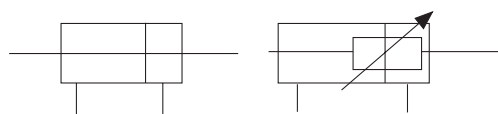
Double acting, Single rod



Rubber cushion

Air cushion

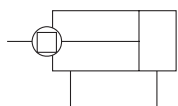
Double acting, Double rod



Rubber cushion

Air cushion

Non-rotating rod: Double acting, Single rod



Weight (Standard, Non-rotating rod)

(g)

Bore size (mm)		8	10	12	16	20	25
Double action	Basic weight	45	49	96	109	183(203)	258(286)
	Add'l weight for each 10 mm of stroke	3	3.2	6.2	7.2	11.8	18.4
Mounting bracket	C85L□A	20		40		95	
	C85L□B	55		105		210	
	C85F□	12		25		90	
	C85T□	20		50		75	
	C85C□	20		40		85	
Accessory	Single knuckle joint	KJID		17		25	
	Double knuckle joint	GKM□-□		10		20	
	Floating joint	JA□-□-□		10		20	

Calculation: (Example) C85N10-50, C85F10

Basic weight ———— 49 (ø10)g
 Additional weight ———— 3.2/10 mm of stroke
 Cylinder stroke ———— 50 mm
 Mounting bracket ———— 12g
 $49 + 3.2 \times 50/10 = 65g$ $65 + 12 = 77g$

() : In the case of air cushion

CJ1

CJP

CJ2

CM2

CG1

MB

MB1

CA2

CS1

C76

C85

C95

CP95

NCM

NCA

D-

-X

20-

Data

Series C85

Auto Switch Mounting, Minimum Possible Cylinder Stroke

Band Mounting Style

Bore size: $\phi 8$, $\phi 10$, $\phi 12$, $\phi 16$

(mm)

Auto switch model	No. of auto switches				1 pc.
	3 pcs.		2 pcs.		
	Different sides	Same side	Different sides	Same side	
D-C7□ D-C80	55	90	15	50	10
D-C73C D-C80C D-H7C	65	105	15	65	10
D-H7□ D-H7□W D-H7BAL D-H7NF	60	105	15	60	10

Rail Mounting Style

Bore size: $\phi 8$, $\phi 10$, $\phi 12$, $\phi 16$

(mm)

Auto switch model	No. of auto switches		1 pc.
	3 pcs.	2 pcs.	
	D-A7□/A80 D-A73C/A80C	35	
D-A7□H D-A80H	45	10	5
D-A79W *	40	15	10
D-F7□ D-J79	45	5	5
D-F7□V D-J79C	30	5	5
D-F7□W D-J79W D-F7BAL D-F79F	55	15	10
D-F7□WV D-F7BAVL	40	15	10

* "D-A79W" can not be mounted on bore size $\phi 8$, $\phi 10$, $\phi 12$ cylinder.

Band Mounting Style

Bore size: $\phi 20$, $\phi 25$

(mm)

Auto switch model	No. of auto switches				1 pc.
	2 pcs.		n pcs.		
	Different sides	Same side	Different sides	Same side	
D-C7□ D-C80	15	50	$15 + 45\left(\frac{n-2}{2}\right)$ (n = 2, 4...)	$50 + 45(n - 2)$	10
D-C73C D-C80C D-H7C	15	65	$15 + 45\left(\frac{n-2}{2}\right)$ (n = 2, 4...)	$65 + 50(n - 2)$	10
D-H7□ D-H7□W D-H7BAL D-H7NF	15	60	$15 + 45\left(\frac{n-2}{2}\right)$ (n = 2, 4...)	$60 + 55(n - 2)$	10

Rail Mounting Style

Bore size: $\phi 20$, $\phi 25$

(mm)

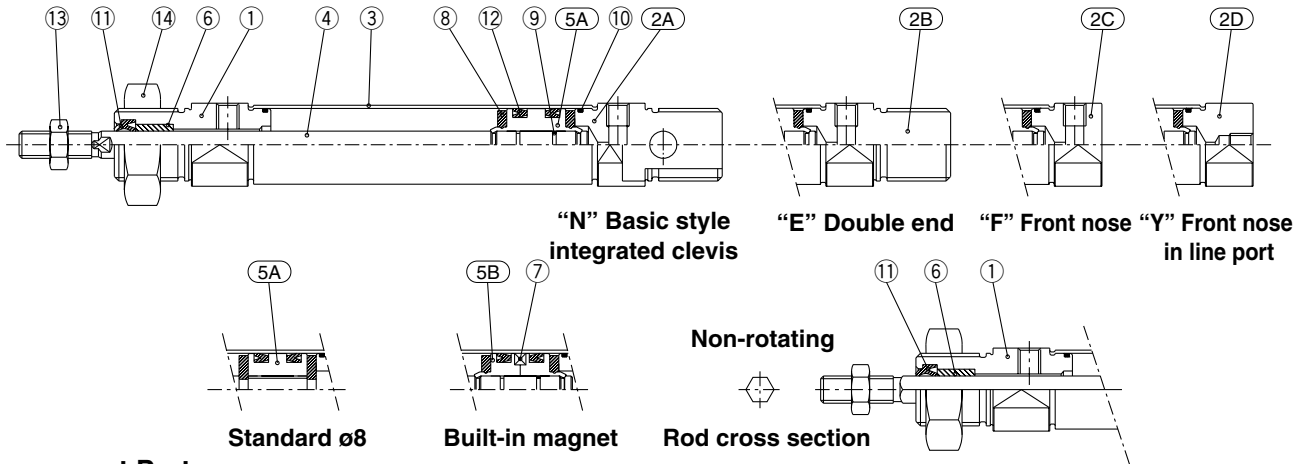
Auto switch model	No. of auto switches		1 pc.
	2 pcs.	n pcs.	
	D-A7□/A80 D-A7□H/A80H D-A73C/A80C	10	
D-F7□ D-F7□V D-J79 D-J79C	15	$15 + 35\left(\frac{n-2}{2}\right)$ (n = 2, 4...)	10
D-A79W D-F7□W D-J79W D-F7BAL D-F79F D-F7□WV D-F7BAVL	15	$15 + 35\left(\frac{n-2}{2}\right)$ (n = 2, 4...)	10

ISO Cylinder: Standard/Non-rotating Type Double Acting, Single/Rod Series C85

Construction

[First angle projection]

Double acting, Single rod
C□85□8 to 16 Rubber cushion (Disassembly is not possible.)

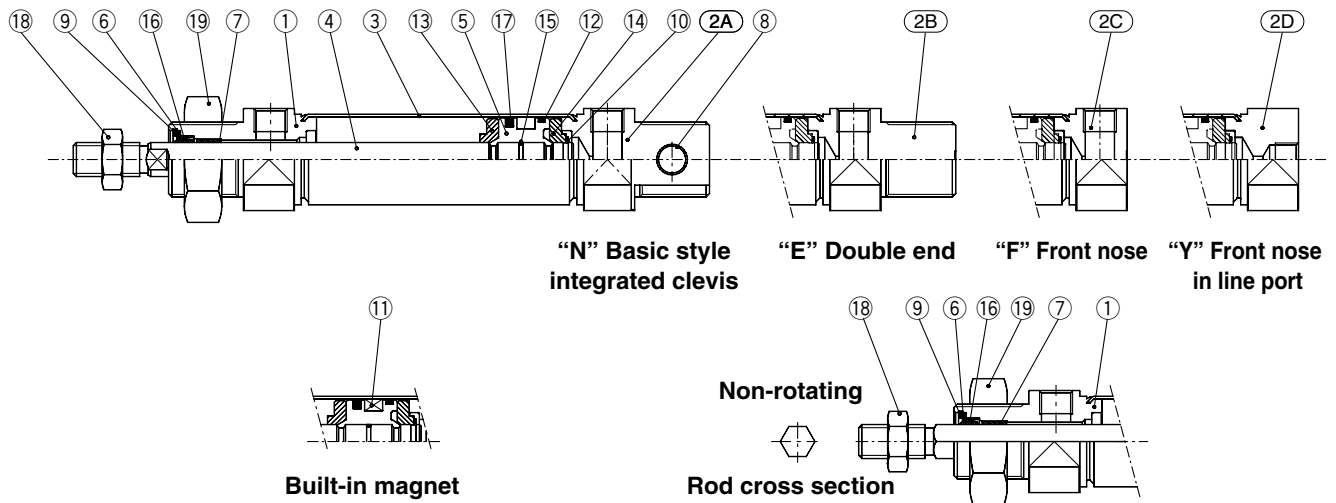


Component Parts

No.	Description	Material	Qty.	Note
①	Rod cover	Aluminum alloy	1	White anodized
②A	Head cover N	Aluminum alloy	1	White anodized
②B	Head cover E	Aluminum alloy	1	White anodized
②C	Head cover F	Aluminum alloy	1	White anodized
②D	Head cover Y	Aluminum alloy	1	White anodized
③	Cylinder tube	Stainless steel	1	
④	Piston rod	Stainless steel	1	
⑤A	Piston A	Brass	1	
⑤B	Piston B	Brass	2	(Switch type piston)

No.	Description	Material	Qty.	Note
⑥	Bush	Sintered bronze	1	
⑦	Magnet	Magnet	1	(Switch type only)
⑧	Bumper	Urethane	2	
⑨	Piston gasket	NBR	1	(2 for switch type)
⑩	Tube gasket	NBR	2	
⑪	Rod seal	NBR	1	
⑫	Piston seal	NBR	2	
⑬	Rod end nut	Carbon steel	1	Nickel plating
⑭	Mounting nut	Carbon steel	1	Nickel plating

C□85□20/25 Rubber cushion



Component Parts

No.	Description	Material	Qty.	Note
①	Rod cover	Aluminum alloy	1	White anodized
②A	Head cover N	Aluminum alloy	1	White anodized
②B	Head cover E	Aluminum alloy	1	White anodized
②C	Head cover F	Aluminum alloy	1	White anodized
②D	Head cover Y	Aluminum alloy	1	White anodized
③	Cylinder tube	Stainless steel	1	
④	Piston rod	Carbon steel	1	Hard chrome plated
⑤	Piston	Aluminum alloy	1	Chromate
⑥	Plain washer	Stainless steel	1	
⑦	Bush	Sintered bronze	1	
⑧	Bush	Sintered bronze	2	

No.	Description	Material	Qty.	Note
⑨	Retaining ring	Carbon steel	1	Nickel plating
⑩	Retaining ring	Stainless steel	1	
⑪	Magnet	Magnet	1	(Switch type only)
⑫	Wear ring	Resin	1	
⑬	Bumper A	Urethane	1	
⑭	Bumper B	Urethane	1	
⑮	Piston gasket	NBR	1	
⑯	Rod seal	NBR	1	
⑰	Piston seal	NBR	1	
⑱	Rod end nut	Carbon steel	1	Nickel plating
⑲	Mounting nut	Carbon steel	1	Nickel plating

CJ1

CJP

CJ2

CM2

CG1

MB

MB1

CA2

CS1

C76

C85

C95

CP95

NCM

NCA

D-

-X

20-

Data

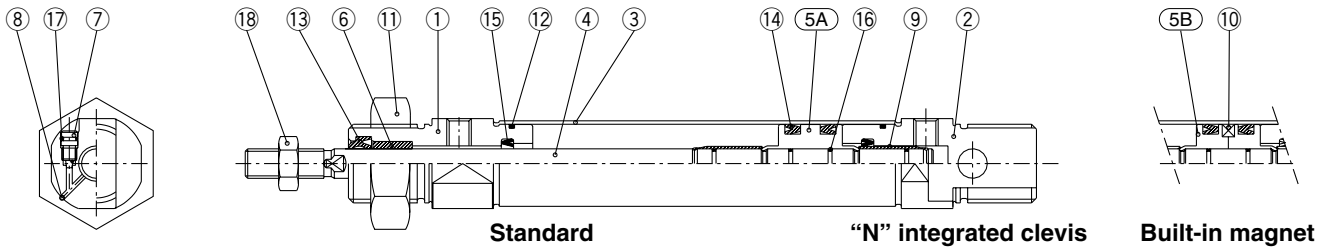
Series C85

Construction

[First angle projection]

Double acting, Single rod

C□85□10 to 16 Air cushion (Disassembly is not possible.)

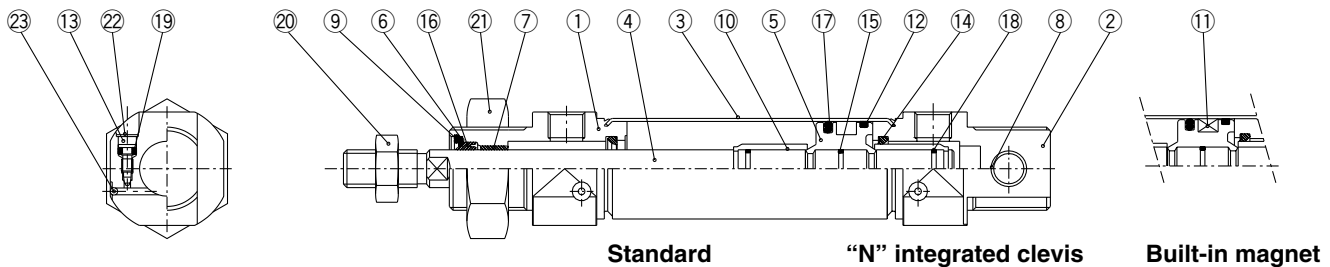


Component Parts

No.	Description	Material	Qty.	Note
①	Rod cover	Aluminum alloy	1	White anodized
②	Head cover N	Aluminum alloy	1	White anodized
③	Cylinder tube	Stainless steel	1	
④	Piston rod	Stainless steel	1	
⑤A	Piston A	Brass	1	
⑤B	Piston B	Brass	2	(Switch type piston)
⑥	Bush	Sintered bronze	1	
⑦	Cushion needle	Stainless steel	2	
⑧	Steel ball	Bearing steel	2	

No.	Description	Material	Qty.	Note
⑨	Cushion ring	Brass	2	
⑩	Magnet	Magnet	1	(Switch type only)
⑪	Mounting nut	Carbon steel	1	Nickel plating
⑫	Tube gasket	NBR	2	
⑬	Rod seal	NBR	1	
⑭	Piston seal	NBR	2	
⑮	Check seal	NBR	2	
⑯	Piston gasket and cushion ring gasket	NBR	3	(4 for switch type)
⑰	Needle seal	NBR	2	
⑱	Rod end nut	Carbon steel	1	Nickel plating

C□85□20/25 Air cushion



Component Parts

No.	Description	Material	Qty.	Note
①	Rod cover	Aluminum alloy	1	White anodized
②	Head cover N	Aluminum alloy	1	White anodized
③	Cylinder tube	Stainless steel	1	
④	Piston rod	Carbon steel	1	Hard chrome plated
⑤	Piston	Aluminum alloy	1	Chromate
⑥	Plain washer	Stainless steel	1	
⑦	Bush	Sintered bronze	1	
⑧	Bush	Sintered bronze	1	
⑨	Retaining ring	Carbon steel	1	Nickel plating
⑩	Cushion ring	Brass	2	
⑪	Magnet	Magnet	1	(Switch type only)
⑫	Wear ring	Resin	1	

No.	Description	Material	Qty.	Note
⑬	Cushion needle	Alloy steel	2	Electroless nickle plating
⑭	Cushion seal	Urethane	2	
⑮	Piston gasket	NBR	1	
⑯	Rod seal	NBR	1	
⑰	Piston seal	NBR	1	
⑱	Cushion ring gasket	NBR	2	
⑲	Cushion needle seal	NBR	2	
⑳	Rod end nut	Carbon steel	1	Nickel plating
㉑	Mounting nut	Carbon steel	1	Nickel plating
㉒	Self locking ring	Stainless steel	2	
㉓	Steel ball	Stainless steel	2	

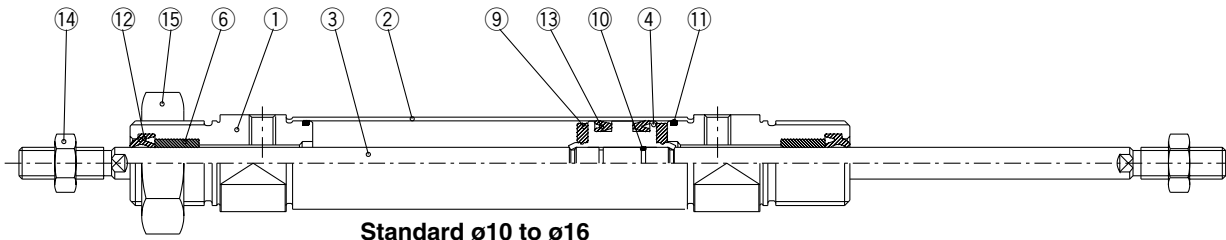
ISO Cylinder: Standard/Non-rotating Type Double Acting, Single/Double Rod **Series C85**

Construction

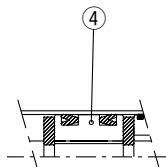
[First angle projection]

Double acting, Double rod

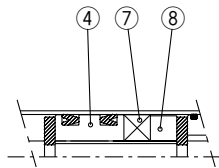
C□85WE8 to 16 Rubber cushion (Disassembly is not possible.)



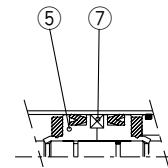
Standard $\varnothing 10$ to $\varnothing 16$



Standard $\varnothing 8$



Built-in magnet $\varnothing 8$



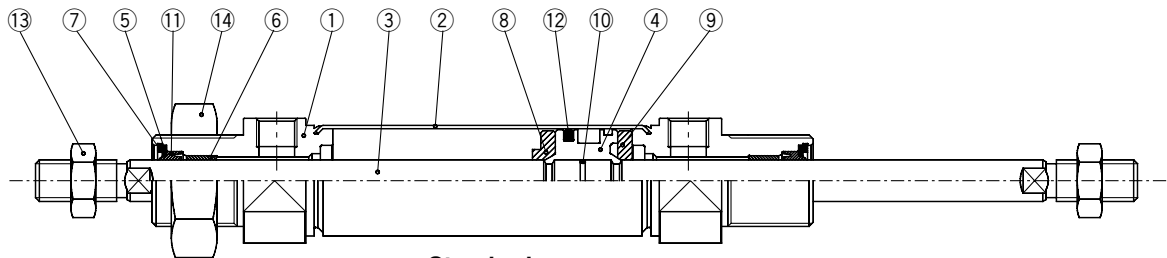
Built-in magnet $\varnothing 10$ to $\varnothing 16$

Component Parts

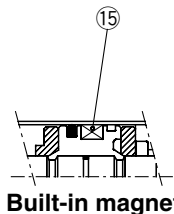
No.	Description	Material	Qty.	Note
①	Rod cover	Aluminum alloy	2	White anodized
②	Cylinder tube	Stainless steel	1	
③	Piston rod	Stainless steel	1	2 for $\varnothing 8$
④	Piston A	Brass	1	
⑤	Piston B	Brass	2	(Switch type piston)
⑥	Bush	Sintered bronze	2	
⑦	Magnet	Magnet	1	(Switch type only)
⑧	Spacer	Brass	1	

No.	Description	Material	Qty.	Note
⑨	Bumper	Urethane	2	
⑩	Piston gasket	NBR	1	(2 for switch type)
⑪	Tube gasket	NBR	2	
⑫	Rod seal	NBR	2	
⑬	Piston seal	NBR	2	
⑭	Rod end nut	Carbon steel	2	Nickel plating
⑮	Mounting nut	Carbon steel	1	Nickel plating

C□85WE20/25 Rubber bumper



Standard



Built-in magnet

Component Parts

No.	Description	Material	Qty.	Note
①	Rod cover	Aluminum alloy	2	White anodized
②	Cylinder tube	Stainless steel	1	
③	Piston rod	Carbon steel	1	Hard chrome plated
④	Piston	Aluminum alloy	1	Chromate
⑤	Plain washer	Stainless steel	2	
⑥	Bush	Sintered bronze	2	
⑦	Retaining ring	Carbon steel	2	Nickel plating
⑧	Bumper A	Urethane	1	

No.	Description	Material	Qty.	Note
⑨	Bumper B	Urethane	1	
⑩	Piston gasket	NBR	1	
⑪	Rod seal	NBR	2	
⑫	Piston seal	NBR	1	
⑬	Rod end nut	Carbon steel	2	Nickel plating
⑭	Mounting nut	Carbon steel	1	Nickel plating
⑮	Magnet	Magnet	1	(Switch type only)

CJ1

CJP

CJ2

CM2

CG1

MB

MB1

CA2

CS1

C76

C85

C95

CP95

NCM

NCA

D-

-X

20-

Data