

ISO Standards

Air 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 K N 16 - 40 C J - A

Double acting, Double rod

C D 85W E 16 - 40 C JJ - B

Built-in magnet

Nil	None
D	Built-in magnet

Type

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

Mounting

N*	Basic (Integral clevis)
E**	Double end boss-cut
F	Boss-cut/Basic
Y	Head cover axial port

* Air cushion type is applicable only for the N type.
** Double rod is applicable only for the E type.

Bore size

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

* Not available with air cushion.
** Other strokes available on request.
*** For exceeding the standard stroke range, it will be available as a special order (-X2018).

Cylinder stroke

Auto switch mounting

A	Rail mounting
B	Band mounting

Applicable auto switches are shown on page 32. Order auto switches and bands separately.
(Auto switches and bands cannot be indicated here.)

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.

Cushion

Nil	Rubber bumper (Standard)
C	Air cushion (Only "N" mounting, ø10 to 25)

Mounting Bracket Part No.

Bore size (mm)		8	10	12	16	20	25
Mounting bracket	Foot (1 pc.)	C85L10A	C85L16A	C85L25A			
	Foot (2 pcs. with mounting nut 1 pc.)	C85L10B	C85L16B	C85L25B			
	Flange	C85F10	C85F16	C85F25			
	Trunnion	C85T10	C85T16	C85T25			
	Clevis	C85C10	C85C16	C85C25			
Accessories	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/Standard Cylinders

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

Replacement Parts/Non-rotating Cylinders ("K")

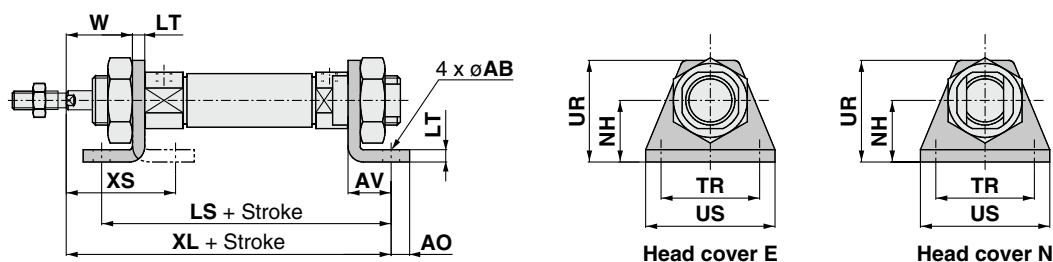
Bore size (mm)	Part no.	Note
20	C85K-20PS	Every set includes: 1 rod seal 1 flat washer 1 retaining ring
25	C85K-25PS	

Series C85

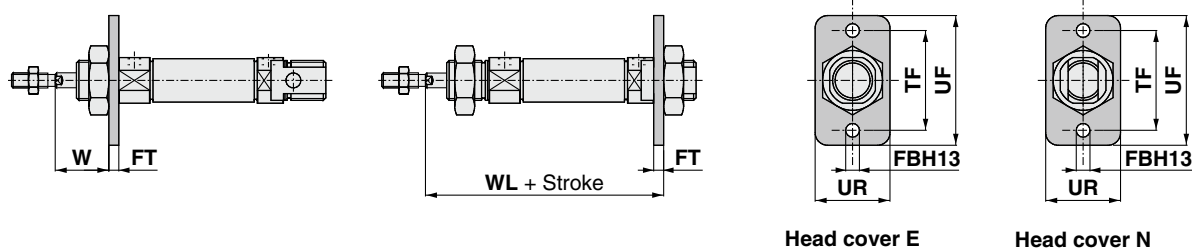
Dimensions

Double acting, Single rod

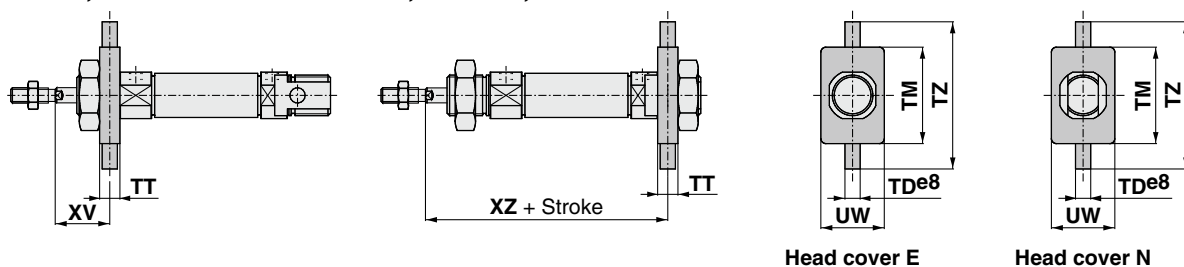
Rod foot, Head foot: C85L10^A_B, C85L16^A_B, C85L25^A_B



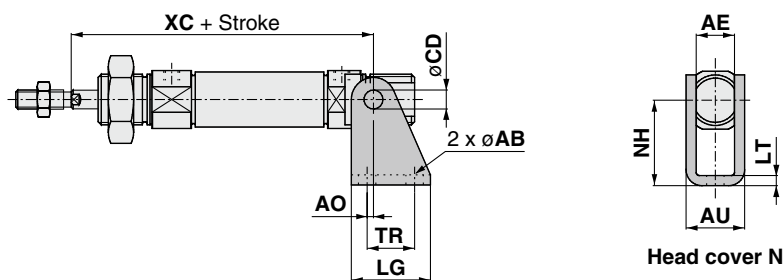
Rod flange, Head flange: C85F10, C85F16, C85F25



Rod trunnion, Head trunnion: C85T10, C85T16, C85T25



Clevis: C85C10, C85C16, C85C25



(mm)

Bore size	Rod foot, Head foot												Rod flange, Head flange							
	AB	AO	AV	LS	LT	NH	TR JS14	UR	US	W	XL	XS	FBH13	FT	TF	UF	UR	W	WL	
8	4.5	5	11	68	3.2	16	25	26	35	12.8	73	23.8	4.5	3.2	30	40	22	12.8	65.2	
10	4.5	5	11	68 (75)	3.2	16	25	26	35	12.8	73 (80)	23.8	4.5	3.2	30	40	22	12.8	65.2 (72.2)	
12	5.5	6	14	78 (82)	4	20	32	33	42	18	86 (90)	32	5.5	4	40	52	30	18	76 (80)	
16	5.5	6	14	84 (84)	4	20	32	33	42	18	92 (92)	32	5.5	4	40	52	30	18	82 (82)	
20	6.6	8	17	96	5	25	40	42	54	19	103	36	6.6	5	50	66	40	19	91	
25	6.6	8	17	99	5	25	40	42	54	23	110	40	6.6	5	50	66	40	23	98	

Bore size	Rod trunnion, Head trunnion							Clevis									
	TD e8	TM	TT	TZ	UW	XV	XZ	AB	AE	AO	AU	CD H9	LG	LT	NH	TR	XC
8	4	26	6	38	20	13	65	4.5	8.1	1.5	13.1	4	20	2.5	24	12.5	64
10	4	26	6	38	20	13	65 (72)	4.5	8.1	1.5	13.1	4	20	2.5	24	12.5	64 (71)
12	6	38	8	58	25	18	76 (80)	5.5	12.1	2	18.5	6	25	3.2	27	15	75 (79)
16	6	38	8	58	25	18	82 (82)	5.5	12.1	2	18.5	6	25	3.2	27	15	82 (82)
20	6	46	8	66	32	20	90	6.6	16.1	4	24.1	8	32	4	30	20	95
25	6	46	8	66	32	24	97	6.6	16.1	4	24.1	8	32	4	30	20	104

(): In the case of air cushion.