

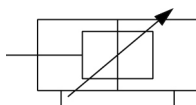


C(D)85, ISO Standard Cylinder, Double Acting, Single Rod C85N16-125C

Datasheet

General series information

- Double acting, single rod, crimped cylinder
- Conforms to ISO 6432 and CETOP RP52P
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Standard strokes up to 300mm
- Auto switch capable



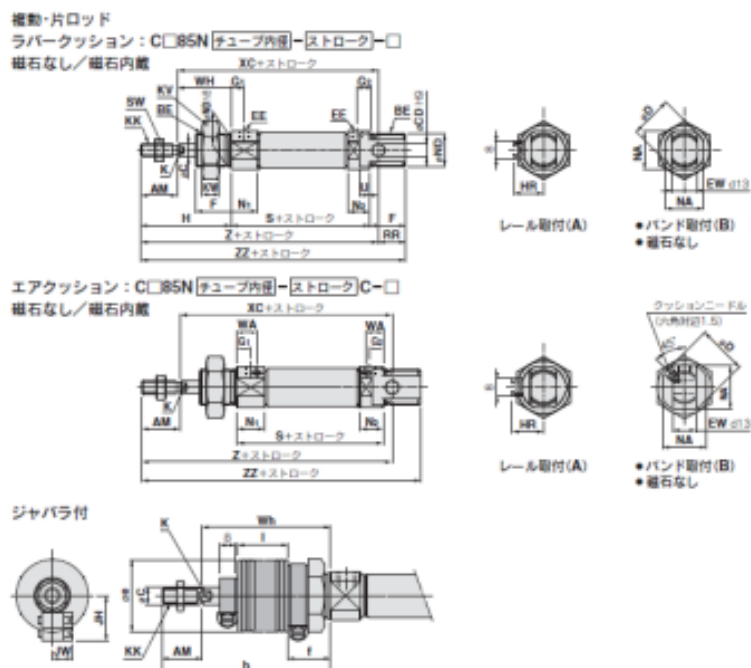
*Double-acting cylinder with cushioning
adjustable at both ends, single piston rod*

Standard specifications

Magnet	None
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø16 mm
Stroke	125
Cushion	C (Air Cushion)
Rod Boot	None
Auto Switch Mounting Type	None
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Rod End Options	None
Temperature Resistance	None
Low Speed	None
Stainless Steel	None
Long Stroke	None
Pressure medium	Compressed Air
Maximum temperature of pressure medium	80 °C
Maximum temperature of pressure medium with magnet	60 °C

Minimum temperature of pressure medium	-20 °C [without condensation]
Minimum temperature of pressure medium with magnet	-10 °C [without condensation]
Maximum operating pressure	1 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	80 °C
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature	-20 °C
Minimum ambient temperature with magnet	-10 °C
Number of pneumatic connections	2 pcs.
Pneumatic input connection	M5
Pneumatic output connection	M5
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	100.6 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	86.4 N
Maximum piston speed	1,500 mm/s
Type of cushioning	Air cushion
Piston rod end	External thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M6
Usable tubing material	Soft nylon;Nylon;Polyurethane
Minimum piston speed	50 mm/s
Weight	0.199 Kg

Dimensions



寸法表 (mm)

ポート径	AM	BE	C	CO	D	EE	EW	F	G ₁	G ₂	H	HR	K	KA	KK	KV	N ₁	N ₂	NA	NC	PR	S	SW	U	WA	WH	XC	Z	ZZ
8	12	M2×1.25	4.4	16.1	M5×0.8	8.12	7	5	26.10	—	—	—	4.2	M4×0.7	19	6	11.5	9.5	15	12.10	46	7	6	—	16	64	76	86	—
10	12	M2×1.25	4.4	16.1	M5×0.8	8.12	7	5	26.10.5	—	—	—	4.2	M4×0.7	19	6	11.5	9.5	15	12.10	46	7	6	—	16	64	76	86	—
12	16	M16×1.5	6.4	19.7	M5×0.8	12.17	8	6	36.14	5	6.2	M5×1	24	8	13.5	10.5	18.2	16.14	50	10	9	9.5	77	75	91	105	—	—	—
16	16	M16×1.5	6.4	19.7	M5×0.8	12.17	8	6	36.14	5	6.2	M5×1	24	8	13.5	10.5	18.2	16.14	50	10	9	9.5	77	75	91	105	—	—	—
20	20	M22×1.5	8	28	G 1/8	16.20	8	8	44.17	6	8.2	M6×1.25	32	11	15.17	12	24	22.11	62	13	12	13	24	95	115	126	—	—	—
25	25	M22×1.5	8	28	G 1/8	16.20	8	8	44.17	6	8.2	M6×1.25	32	11	15.17	12	24	22.11	62	13	12	13	24	95	115	126	—	—	—

()内はエアクッションの寸法。

ジャバラ付

ポート径	AM	C	e	f	K	KK	h
8	20	8	36	20	6	M6×1.25	71
10	22	10	36	20	8	M10×1.25	74

ポート径	h	WH
8	1~50	51~100
10	51~100	101~150
12	101~150	151~200
16	151~200	201~300
20	201~300	301~400
25	301~400	401~500

ポート径	h	JH	JW	Wh
8	1~50	51~100	101~136	137~187
10	51~100	101~136	137~187	188~238
12	101~150	151~186	187~237	238~288
16	151~200	201~236	237~287	288~338
20	201~250	251~286	287~337	338~388
25	251~300	301~336	337~387	388~438

Constructions

Double acting: Single rod

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



Component Parts

No.	Description	Material	Quantity	Remarks
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 style piston)
⑥	Bush	Sintered bronze	1	
⑦	Cushion needle	Stainless steel	2	
⑧	Steel ball	Bearing steel	2	

No.	Description	Material	Quantity	Remarks
⑨	Cushion ring	Brass	2	
⑩	Magnet		1	
⑪	Mounting nut	Carbon steel	1	Nickel plated
⑫	Tube gasket	NBR	2	
⑬	Rod seal	NBR	1	
⑭	Piston seal	NBR	2	
⑮	Check seal	NBR	2	
⑯	Piston gasket & cushion ring gasket	NBR	3	
⑰	Needle seal	NBR	2	
⑱	Rod end nut	Carbon steel	1	Nickel plated

Additional information

Catalogue

[C85_C75-A_EU.pdf](#)