

C(D)85, ISO Standard Cylinder, Double Acting, Single Rod CD85N16-70-B

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	D (Built-in)
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø16 mm
Stroke	70
Cushion	Rubber Cushion
Rod Boot	None
Auto Switch Mounting Type	B (Band)
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

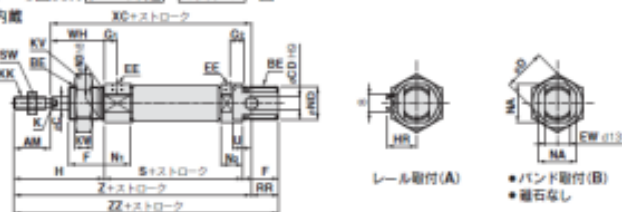
Minimum temperature of pressure medium	-20 °C [without condensation]
Minimum temperature of pressure medium with magnet	-10 °C [without condensation]
Maximum operating pressure	1 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	80 °C
Maximum ambient temperature 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	Rubber bumper
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	0.160 Kg

Dimensions

複動・片口ツド

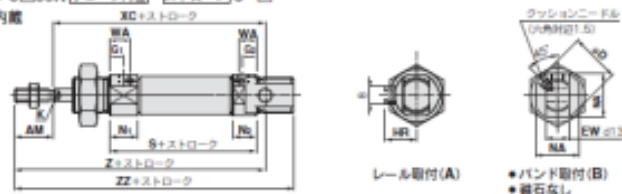
ラバークッション：C□85N チューブ内径 - ストローク - □

磁石なし/磁石内蔵

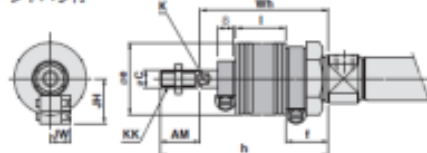


エアクッション：C□85N チューブ内径－ストローク C－□

磁石なし/磁石内蔵



ジャバラ付



寸法表

寸法	BE	CE	DE	EE	FW	F	G	G ₂	H	HR	K	KA	KK	KX	N ₁	N ₂	NA	NR	S	SW	U	WA	XC	Z	ZZ		
8	12	M2X1.25	4	16	M5X0.8	0.12	7	5	29	10	—	4.2	M4X0.7	6	11	5	9.5	15	12	10	46	7	6	—	64	76	86
10	12	M2X1.25	4	16	M5X0.8	0.12	7	5	29	10.5	—	4.2	M4X0.7	6	11	5	9.5	15	12	10	46	7	6	—	64	76	86
12	16	M1X1.5	6	16	M5X0.8	0.12	7	5	36	14	5	6.2	M3X1	7	12	15	18.5	16	14	10	9	9	9	9	9	9	9
16	16	M1X1.5	6	16	M5X0.8	0.12	7	5	36	14	5	6.2	M3X1	7	12	15	18.5	16	14	10	9	9	9	9	9	9	9
20	20	M2X1.5	8	20	G 1/8	0.16	8	6	44	6	8	5.7	M3X1.25	8	11	15	17	16	22	61	12	12	13	24	95	115	126
25	20	M2X1.5	8	20	G 1/8	0.16	8	6	44	6	8	5.7	M3X1.25	8	11	15	17	16	22	61	12	12	13	24	95	115	126

()内はエアアクションの割合。

ジャバラ付

ジャバラ付								(mm)										
2-100 2-100		AM	C	e	f	K	KK	h										
								1-50	51-100	101-150	151-200	201-250	251-300	301-400	401-500			
20		20	8	36	20	6	M8×1.25	71	84	96	109	134	159	—	—			
25		22	10	36	20	6	M10×1.25	74	87	99	112	137	162	187	—			

2-100 2-100		I							JH		JW		Wh						
		1-50	51-100	101-150	151-200	201-250	251-300	301-400	401-500	51-100	101-150	151-200	201-250	251-300	301-400	401-500			
20		12.5	25	37.5	50	75	100	125	150	23.9	10.5	51	64	76	89	114	139		
25		12.5	25	37.5	50	75	100	125	150	24.9	10.5	52	66	77	90	115	140		

Constructions

C□85□20, 25 Rubber bumper



Component Parts

No.	Description	Material	Quantity	Remarks
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	Chromated
⑥	Plain washer	Carbon steel	1	Nickel plated
⑦	Bushing	Sintered bronze	1	
⑧	Bushing	Sintered bronze	2	

* Stainless steel (Non-rotating rod)

No.	Description	Material	Quantity	Remarks
⑨	Retaining ring	Carbon steel	1	Nickel plated
⑩	Retaining ring	Carbon steel	2	
⑪	Magnet		1	(Switch style only)
⑫	Wear ring	Phenolic 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 plated
⑲	Mounting nut	Carbon steel	1	Nickel plated

Additional information

Catalogue

[C85_C75-A_EU.pdf](#)