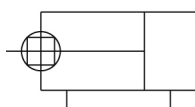


C(D)85K, ISO Cylinder, Double Acting, Single Rod, Non-Rotating CD85KN16-125-B

Datasheet

General series information

- ISO cylinder, double acting, single rod
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Type: non-rotating
- Cushion: rubber bumper only
- Strokes (mm): up to 300 (depending on bore)
- Auto switches available (order separate)



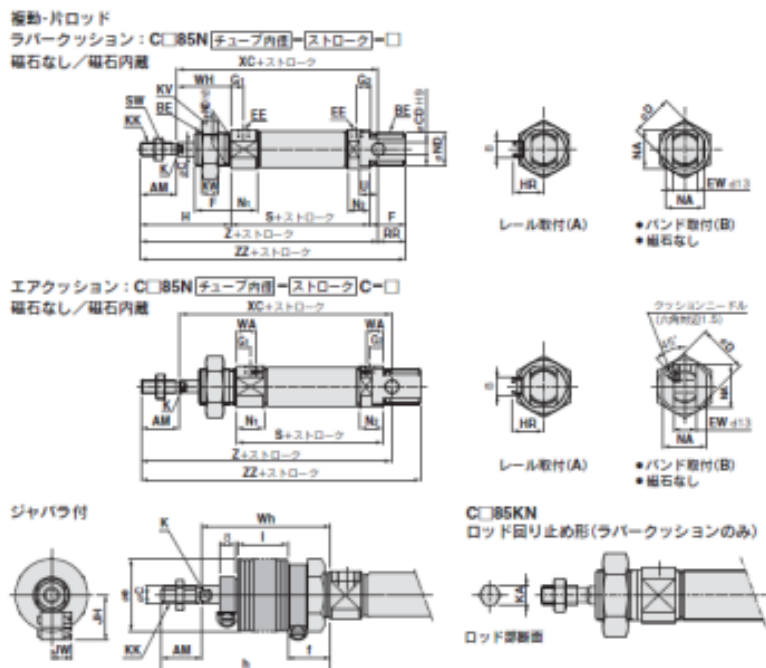
Double-acting cylinder, non-rotating single piston rod

Standard specifications

Magnet	D (Built-in)
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø16 mm
Stroke	125
Switch Mounting	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
Made of Stainless Steel	None
Long Stroke	None
Pressure medium	Compressed air
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium with magnet	-10 °C
Maximum operating pressure	1 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa

Maximum ambient temperature with magnet	60 °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	1500 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
Tolerance of torsion	±1°
Weight	0.158 Kg

Dimensions



寸法表 (mm)																												
シリーズ	AM	BE	C	CD	D	EE	EW	F	G	H	HR	K	KA	KK	KV/KN	N	NA	NC	RR	S	SW	U	WA	WH	XC	Z	ZZ	
8	12	M17×1.25	4.4	16.3	M5×0.8	8.12	7	5	20	10	—	4.2	M4×0.7	10	4	11.5	9.5	15	12	10	45	7	6	—	10	62	75	89
10	12	M12×1.25	4.4	16.3	M5×0.8	8.12	7	5	20	10	—	4.2	M4×0.7	10	4	11.5	9.5	15	12	10	45	7	6	10.5	10	64	75	89
12	16	M16×1.5	6.6	19.3	M5×0.8	12.17	8	6	25	15	—	5.2	M5×1	16	6	13.5	11.5	18.3	14	14	55	10	9	9.5	22	75	101	115
16	16	M16×1.5	6.6	19.3	M5×0.8	12.17	8	6	25	15	—	5.2	M5×1	16	6	13.5	11.5	18.3	14	14	55	10	9	9.5	22	75	101	115
20	20	M22×1.5	8.8	28	G 1/8	16.20	8	8	44	17	—	6.3	M6×1.25	20	8	17	15	24	22	11	62	13	12	3	24	95	115	126
25	25	M22×1.5	10.8	33	G 1/8	16.20	8	8	44	20	—	8	M10×1.25	25	10	20	17	24	22	11	65	13	12	3	28	104	126	137

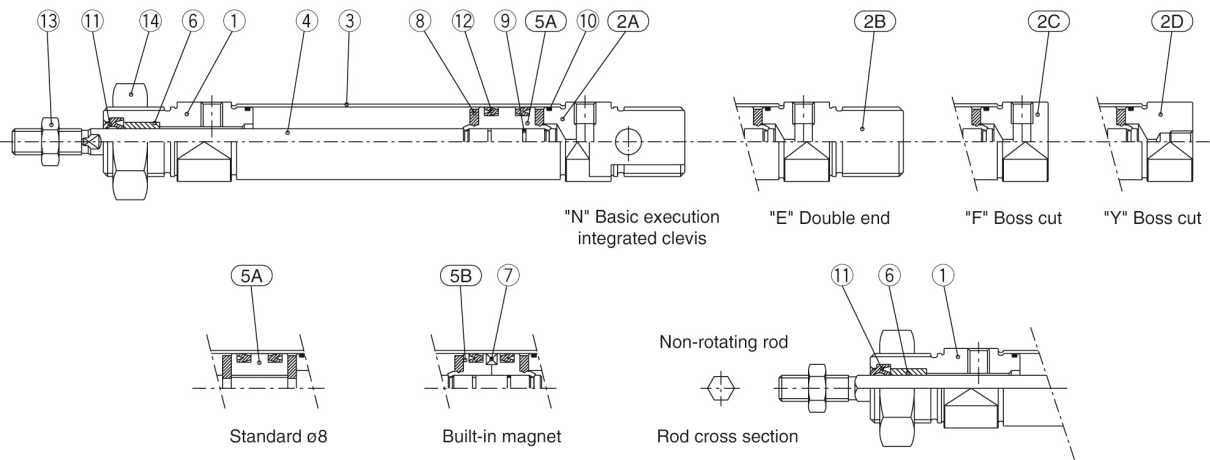
()内はエアクッションの寸法。

ジャバラ付 (mm)										h										(mm)									
シリーズ	AM	C	e	f	K	KK	1~95	51~100	101~150	151~200	201~300	301~400	401~500	501~600	601~700	701~800	801~900	901~1000	1001~1200	1201~1500	1501~1800	1801~2100	2101~2400	2401~2700	2701~3000	3001~3300	3301~3600	3601~3900	
8	20	8	36	20	8	M5×1.25	71	84	96	108	154	159	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	22	10	36	20	8	M10×1.25	74	87	99	112	157	162	187	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ジャバラ付 (mm)										wh										(mm)									
シリーズ	AM	C	e	f	K	KK	1~95	51~100	101~150	151~200	201~300	301~400	401~500	501~600	601~700	701~800	801~900	901~1000	1001~1200	1201~1500	1501~1800	1801~2100	2101~2400	2401~2700	2701~3000	3001~3300	3301~3600	3601~3900	
8	20	8	36	20	8	M5×1.25	71	84	96	108	154	159	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	22	10	36	20	8	M10×1.25	74	87	99	112	157	162	187	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Constructions

Double acting: Single rod C□85□8 to16 Rubber bumper (Disassembly is not possible)



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	Stainless steel	1	
⑤A	Piston A	Brass	1	
⑤B	Piston B	Brass	2	(Switch style piston)

No.	Description	Material	Quantity	Remarks
⑥	Bushing	Sintered bronze	1	
⑦	Magnet		1	(Switch style only)
⑧	Bumper	Urethane	2	
⑨	Piston gasket	NBR	1	(2 for switch style)
⑩	Tube gasket	NBR	2	
⑪	Rod seal	NBR	1	
⑫	Piston seal	NBR	2	
⑬	Rod end nut	Carbon steel	1	Nickel plated
⑭	Mounting nut	Carbon steel	1	Nickel plated

Additional information

Catalogue

[C85_C75-A_EU.pdf](#)