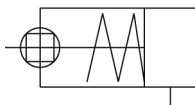


C(D)85-S/T, ISO Cylinder, Single Acting, Single Rod CD85N8-10T-B

Datasheet

General series information

- Single acting, single rod, spring return/spring extend
- Conforms to ISO standard 6432
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Standard strokes up to 150mm
- Auto switch capable



Single-acting cylinder, non rotating single piston rod, return stroke by spring

Standard specifications

Magnet	D (Built-in)
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø8 mm
Stroke	10
Action	T (Spring Extend)
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
Pressure medium	Compressed air
Maximum temperature of pressure medium with magnet	80°C
Minimum temperature of pressure medium with magnet	-20°C
Maximum operating pressure	1 MPa
Minimum operating pressure	0.22 Mpa
Proof pressure	1.5 MPa
Maximum ambient temperature with magnet	80°C

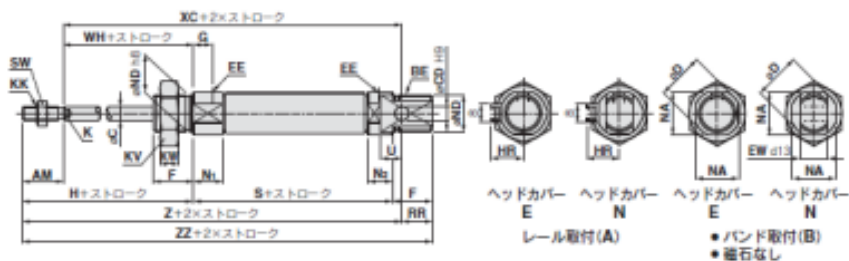
Minimum ambient temperature with magnet	-20°C
Number of pneumatic connections	1 pc.
Pneumatic input connection	M5
Pneumatic output connection	M5
Mode of operation of drive single	Single acting, spring extend
Maximum piston speed	1500 mm/s
Type of cushioning	Rubber bumper
Piston rod end	External thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M4
Weight	0.046 Kg

Dimensions

単動・引込み

C□85 チューブ内径 - ストローク T - □

磁石なし / 磁石内蔵



C□85KN/E

ロッド回り止め形



寸法表

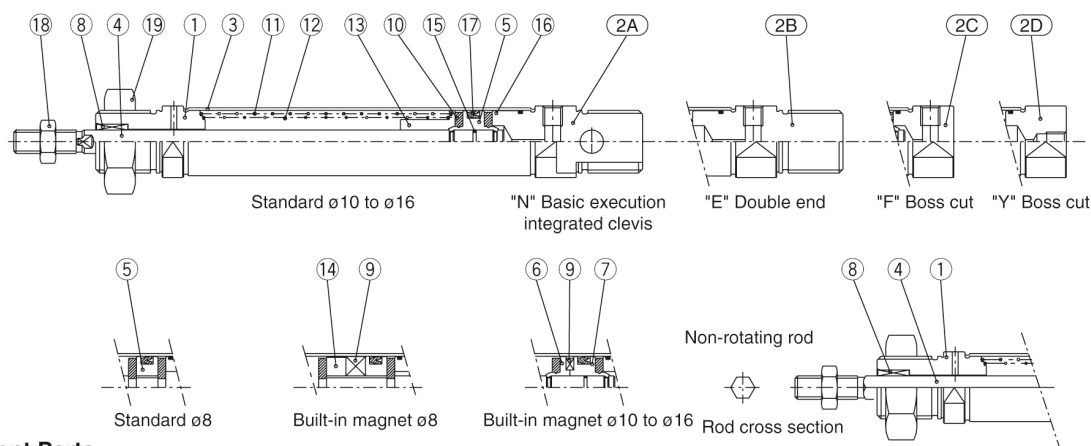
チューブ内径	AM	BE	C	CD	D	EE	EW	F	G	H	HR	K	KA	KK	KV	KW	N ₁	N ₂	NA	ND	RR	SW	U	WH
8	12	M12×1.25	4	4	16.7	M5×0.8	8	12	7	28	10	—	4.7	M4×0.7	19	6	11.5	9.5	15	12	10	7	6	16
10	12	M12×1.25	4	4	16.7	M5×0.8	8	12	7	28	10.5	—	4.2	M4×0.7	19	6	11.5	9.5	15	12	10	7	6	16
12	16	M16×1.5	6	6	19.7	M5×0.8	12	17	8	38	14	5	6.2	M5×1	24	8	12.5	10.5	18.3	16	14	10	9	22
16	16	M16×1.5	6	6	19.7	M5×0.8	12	17	8	38	14	5	6.2	M6×1	24	8	12.5	10.5	18.3	16	13	10	9	22
20	20	M22×1.5	8	8	28	G 1/8	16	20	8	44	17	6	8.7	M8×1.25	32	11	15	15	24	22	11	13	12	24
25	22	M22×1.5	10	8	33.5	G 1/8	16	22	8	50	20	8	10.2	M10×1.25	32	11	15	15	30	22	11	17	12	28

チューブ内径	S			XC			Z			ZZ		
	1~50	51~100	101~150	1~50	51~100	101~150	1~50	51~100	101~150	1~50	51~100	101~150
8	64.5(70.5)	—	—	82.5(88.5)	—	—	34.5(100.5)	—	—	104.5(110.5)	—	—
10	64.5(88.5)	—	—	82.5(88.5)	—	—	34.5(98.5)	—	—	104.5(108.5)	—	—
12	70(73.5)	—	—	—	—	—	111(114.5)	—	—	125(128.5)	—	—
16	75(78.5)	101(104.5)	127(130.5)	101(104.5)	127(130.5)	153(156.5)	117(120.5)	143(146.5)	169(172.5)	139(133.5)	156(159.5)	182(185.5)
20	87	112	137	120	145	170	140	165	190	151	176	201
25	88.5	113.5	138.5	127.5	152.5	177.5	149.5	174.5	199.5	160.5	185.5	210.5

()内はオートスイフチ付の場合。

Constructions

Single acting: Single rod Spring return/C□85□8 to 16-□S (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	
⑤	Piston	Brass	1	
⑥	Piston A	Brass	1	(Switch style only)
⑦	Piston B	Brass	1	(Switch style only)
⑧	Bushing	Sintered bronze	1	

No.	Description	Material	Quantity	Remarks
⑨	Magnet		1	(Switch style only)
⑩	Bumper	Urethane	2	
⑪	Return spring A	Piano wire	1	
⑫	Return spring B	Piano wire	1	
⑬	Spring guide	Brass	1	
⑭	Spacer	Brass	1	
⑮	Piston gasket	NBR	1	
⑯	Tube gasket	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](#)