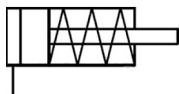


C(D)85-S/T, ISO Cylinder, Single Acting, Single Rod CD85N16-50S-B

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, single piston rod, return stroke by spring

Standard specifications

Magnet	D (Built-in)
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø16 mm
Stroke	50
Action	S (Spring Return)
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	0.13 Mpa
Proof pressure	1.5 MPa
Maximum ambient temperature with magnet	80°C

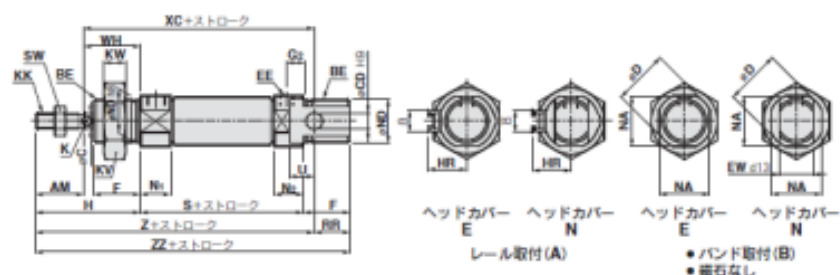
Minimum ambient temperature with magnet	-20°C
Number of pneumatic connections	1 pc.
Pneumatic input connection	M5
Pneumatic output connection	M5
Mode of operation of drive single	Single acting, spring return
Maximum piston speed	1500 mm/s
Type of cushioning	Rubber bumper
Piston rod end	External thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M6
Weight	0.131 Kg

Dimensions

単動・押し

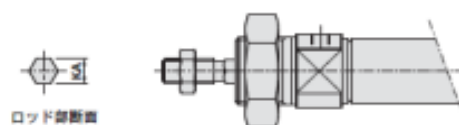
C□85² チューブ内径—ストローク S—□

磁石なし／磁石内蔵



C□85KN, C□85KE

ロッド回り止め形



寸法表

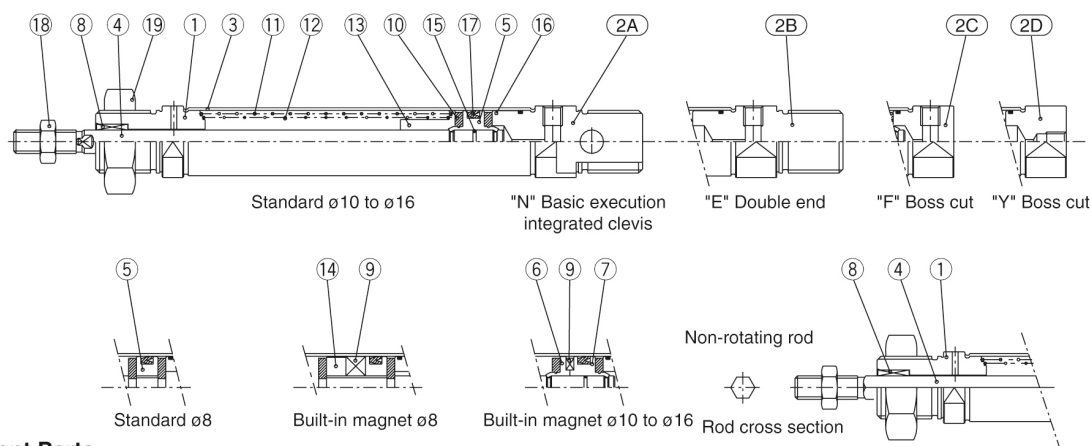
チューブ内径	AM	BE	C	CD	D	EE	EW	F	G ₂	H	HR	K	KA	KK	KV	KW	N ₁	N ₂	NA	ND	RR	SW	U	WH
8	12	M12×1.25	4	4	16.7	M5×0.8	8	12	5	28	10	—	4.2	M4×0.7	19	6	5.5	9.5	15	12	10	7	6	16
10	12	M12×1.25	4	4	16.7	M5×0.8	8	12	5	28	10.5	—	4.2	M4×0.7	19	6	5.5	9.5	15	12	10	7	6	16
12	16	M16×1.5	6	6	19.7	M5×0.8	12	17	6	38	14	5	6.2	M5×1	24	8	5.5	10.5	18.3	16	14	10	9	22
16	16	M16×1.5	6	6	19.7	M5×0.8	12	17	6	38	14	5	6.2	M5×1	24	8	5.5	10.5	18.3	16	13	10	9	22
20	20	M22×1.5	8	8	28	G1/8	16	20	8	44	17	6	8.2	M8×1.25	32	11	15	15	24	22	11	13	12	24
25	22	M22×1.5	10	8	33.5	G1/8	16	22	8	50	20	8	10.2	M10×1.25	32	11	15	15	20	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	45.2 (46.2)	—	—	54.7 (54.8)	—	—	75.2 (75.3)	—	—	85.2 (85.3)	—	—
10	45.2 (46.2)	—	—	54.7 (54.8)	—	—	75.2 (75.3)	—	—	85.2 (85.3)	—	—
12	50 (50.5)	—	—	75 (75.5)	—	—	91 (91.5)	—	—	105 (105.5)	—	—
16	55 (55.5)	71.5 (71.5)	87 (87.5)	82 (82.5)	97.5 (97.5)	113 (113.5)	96 (96.5)	113.5 (113.5)	129 (129.5)	111 (111.5)	128.5 (128.5)	147 (147.5)
20	62 (62.5)	112	137	95 (95.5)	145	170	115 (115.5)	165	190	126 (126.5)	176	201
25	65 (65.5)	113.5	138.5	104 (104.5)	152.5	177.5	126 (126.5)	174.5	199.5	137 (137.5)	185.5	210.5

()内はオートスイッチ付の場合。()内はロッド回り止め形の場合。

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](#)