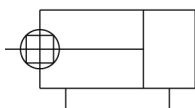


C(D)85K, ISO Cylinder, Double Acting, Single Rod, Non-Rotating C85KN20-300

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)



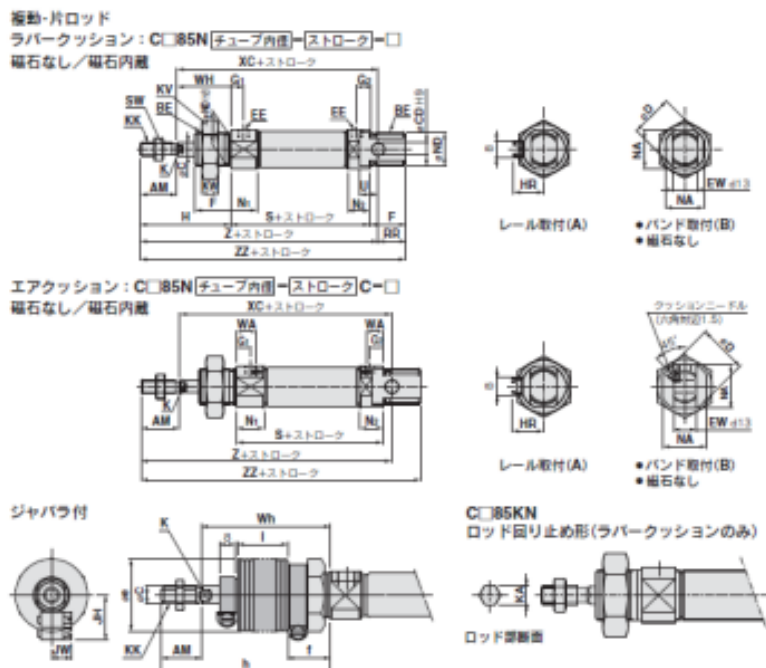
Double-acting cylinder, non-rotating single piston rod

Standard specifications

Magnet	None
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø20 mm
Stroke	300
Switch Mounting	No Switch
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	80 °C
Minimum temperature of pressure medium	-20 °C
Maximum operating pressure	1 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa

Maximum ambient temperature	80 °C
Minimum ambient temperature	-20 °C
Number of pneumatic connections	2 pcs.
Pneumatic input connection	G 1/8
Pneumatic output connection	G 1/8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	157.1 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	132.0 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	M8
Tolerance of torsion	±0° 42'
Weight	0.537 Kg

Dimensions



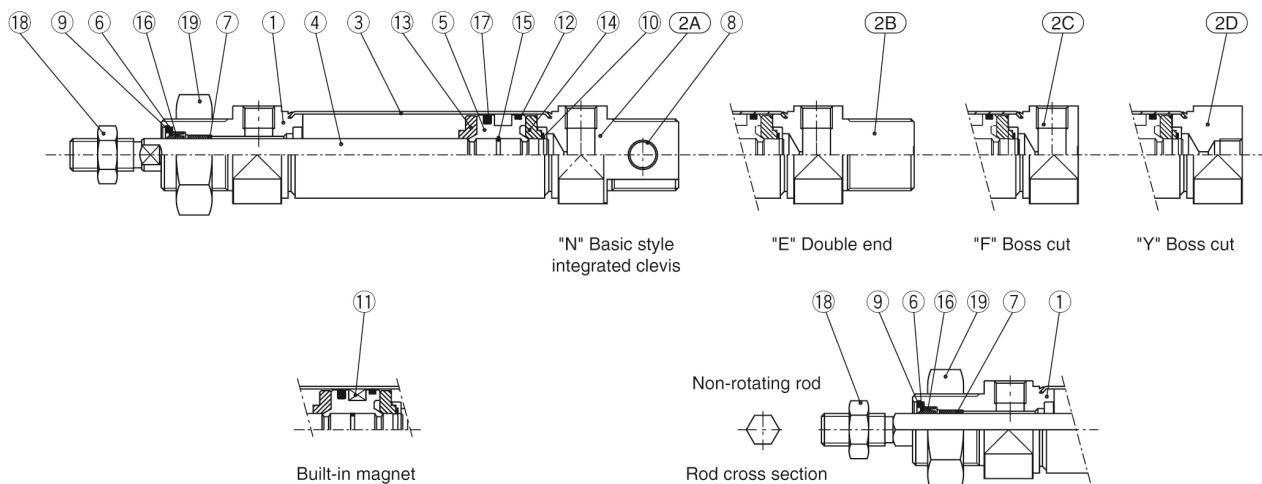
寸法表 (mm)	シリーズ	AM	BE	C	CD	D	EE	EW	F	G	Gu	H	HR	K	KA	KK	KV	Ni	Nu	NA	NC	RR	S	SW	U	WA	Wh	XC	Z	ZZ
シリーズ	AM	BE	C	CD	D	EE	EW	F	G	Gu	H	HR	K	KA	KK	KV	Ni	Nu	NA	NC	RR	S	SW	U	WA	Wh	XC	Z	ZZ	
8	12	M7×1.25	4.4	16.3	WS×0.8	8.12	F	5	20	10	—	4.2	M4×0.7	10	4	11.5	9.5	15	12	10	45	7	6	—	10	62	75	89		
10	12	M12×1.25	4.4	16.3	WS×0.8	8.12	F	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	WS×0.8	12.17	F	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		
16	16	M16×1.5	6.6	19.3	WS×0.8	12.17	F	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		
20	20	M22×1.5	8.8	28	G 1/8	16.20	B	8	44	17	5	8.3	M8×1.25	32	11	5	17	15	17	24	22	11	62	13	23	26	95	115	126	
25	25	M22×1.5	10.8	33	G 1/8	16.20	B	8	44	20	8	10.2	M10×1.25	35	11	5	17	15	17	24	22	11	65	17	23	28	104	126	137	

()内はエアクッションの寸法。

ジャバラ付 (mm)	シリーズ	AM	C	e	f	K	KK	h	Jh	JW	Wh	Jh	JW	Wh	Jh	JW	Wh	Jh	JW	Wh	Jh	JW	Wh	Jh	JW	Wh	Jh	JW	Wh	
シリーズ	AM	C	e	f	K	KK	h	1~50	51~100	101~150	151~200	201~300	301~400	401~500	501~600	601~700	701~800	801~900	901~1000	1001~1200	1201~1400	1401~1600	1601~1800	1801~2000	2001~2200	2201~2400	2401~2600	2601~2800	2801~3000	3001~3200
8	20	8	36	20	8	M8×1.25	71	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348
10	22	10	36	20	8	M10×1.25	74	87	99	111	123	135	147	159	171	183	195	207	219	231	243	255	267	279	291	303	315	327	339	351
12	20	8	36	20	8	M8×1.25	71	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348
16	20	8	36	20	8	M8×1.25	71	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348
20	20	8	36	20	8	M8×1.25	71	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348
25	20	8	36	20	8	M8×1.25	71	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348

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](#)