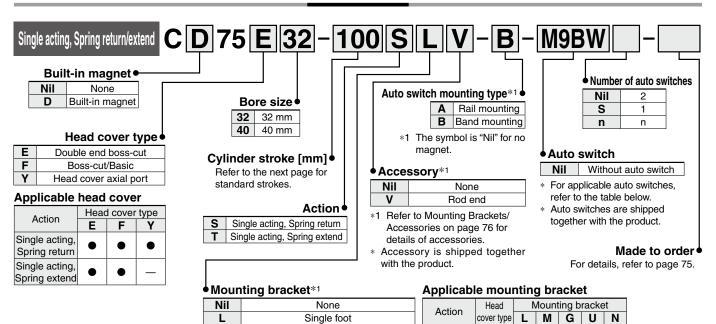
Air Cylinder: Standard Single Acting, Spring Return/Extend

C75 Series ø**32**, ø**40**



How to Order



Refer to Mounting Brackets/Accessories on page 76 for details of mounting brackets.

Double foot

Flange

Trunnion

Clevis

F

E

F

Single acting

Spring return

Single acting,

Spring extend

•

•

• • •

lacktriangle

•

Mounting bracket is shipped together with the product.

Applicable Auto Switches/Refer to the Web Catalog or Best Pneumatics for further information on auto switches.

М

G

П

N

	Special function	Flootrical	tor light	VA/inim m		Load vo	oltage		Auto swi	tch model		Lead wire length [m]					Duaiua.d	A			
Туре		Electrical entry	ator	Wiring (Output)		DC	AC	Band mounting		Rail mounting		0.5	1	3	5	None	Pre-wired connector		cable ad		
		Citily	Indical	(Output)		DC	AC	Perpendicular	In-line	Perpendicular In-line		(Nil)	(M)	(L)	(Z)	(N)	COIIIIECIOI	100	au		
				3-wire (NPN)	l)	5 V, 12 V		M9NV	M9N	F7NV	F79	•	•	•	0	—	0	IC circuit			
Ë		Grommet		3-wire (PNP)		3 V, 12 V		M9PV	M9P	F7PV	F7P	•	•	•	0	_	0	IC CITCUIT			
switch				Quiro		12 V		M9BV	M9B	F7BV	J79	•	•	•	0	_	0				
		Connector		2-wire		12 V		_	H7C	J79C	_	•	_				_	1 -			
auto	Diagnostic indication			3-wire (NPN)		5 V, 12 V		M9NWV	M9NW	F7NWV	F79W		•	•	0	_	0	IC airquit	D.I		
	Diagnostic indication		Yes	3-wire (PNP) 24 V	5 V, 12 V	- -	M9PWV	M9PW	_	F7PW	•	•	•	0	-	0	IC circuit	PLC		
state	(2-color indicator)	Grommet		2-wire		12 V		M9BWV	M9BW	F7BWV	J79W	•	•	•	0	-	0		'		
S	Motor registers			3-wire (NPN)		E V 10 V		M9NAV*1	M9NA*1	_	_	0	0	•	0	-	0	IC circuit			
Solid	Water-resistant			3-wire (PNP)		5 V, 12 V		M9PAV*1	M9PA*1		_	0	0	•	0	-	0	ilo circuit			
ŭ	(2-color indicator)			2-wire		12 V		M9BAV*1	M9BA*1	F7BAV*1	F7BA*1	0	0	•	0	_	0	_			
	With diagnostic output (2-color indicator)			4-wire (NPN)	1	5 V, 12 V	\overline{I}	_	H7NF	_	F79F	•	_	•	0	 —	0	IC circuit]		
switch		V	V		Vaa	3-wire (NPN equivalent)		5 V	_	A96V	A96	_	A76H	•	_	•	_	_	_	IC circuit	_
Š		C	Yes		1	_	200 V	_	_	A72	A72H	•	_	•	_	_	_				
		Grommet					100 V	A93V*2	A93	A73*2	A73H*2	•	•	•	•	_	_	1 —			
auto			No	0		40.1/	100 V or less	A90V	A90	A80	A80H	•	_	•	_	_		IC circuit	Relay.		
ğ			Yes	2-wire	24 V	12 V	_	_	C73C	A73C	_	•	_	•	•	•	_	_	PLĆ		
Reed	Cor	Connector	No				24 V or less	_	C80C	A80C	_	•	_	•	•	•	_	IC circuit	ī		
_	Diagnostic indication (2-color indicator)	Grommet	Yes			_	_			A79W	_	•	_	•	_	_	_	_			

- *1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance. Please contact SMC regarding water-resistant types with the above model numbers.
 *2 1 m lead wire is only applicable to the D-A93.

5 m····· Z (Example) M9NWZ None···· N (Example) H7CN

3 m····· L (Example) M9NWL

- * Since there are other applicable auto switches than listed above, refer to page 115 for details.
- Solid state auto switches marked with "O" are produced upon receipt of order.
- D-A9□/M9□/A7□/A80□/F7□/J7□ auto switches are shipped together, but not assembled. (For band mounting, only the auto switch mounting brackets are assembled before shipment.)



C82 C85W

C85-S/T C85K

C85K-S/T C85R

C75 C75W

C75-S/T

C75K C75K-S/T

C75R CP96

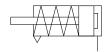
C96K

74

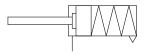


Symbol

Single acting: Spring return, Rubber bumper



Single acting: Spring extend, Rubber bumper



Refer to pages 105 to 115 for cylinders with auto switches.

- Auto Switch Proper Mounting Position (Detection at stroke end) and Mounting Height
- Minimum Stroke for Auto Switch Mounting
- Operating Range
- Auto Switch Mounting Brackets/Part No.



Made to Order

(For details, refer to pages 119 to 124.)

Symbol	Specifications
-XA	Change of rod end shape
-XC6□	Made of stainless steel

Specifications

Bore size [mm]	32	40						
Туре	Pneumatic							
Action	Single acting	g, Single rod						
Fluid	A	ir						
Proof pressure	1.5	MРа						
Max. operating pressure	1.0 l	MPa						
Min. operating pressure	Spring retur Spring exten	n: 0.18 MPa d: 0.23 MPa						
Ambient and fluid	Without auto switch: -20	°C to 80°C (No freezing)						
temperature	With auto switch: -10	°C to 60°C (No freezing)						
Lubricant	Not required							
Stroke length tolerance	+1.4	mm						
Piston speed	50 to 750 mm/s							
Cushion	Rubber bumper							
Allowable kinetic energy	0.65 J	1.2 J						

Standard Strokes

Bore size [mm]	Standard stroke [mm]*2	Max. stroke [mm]
32	10, 25, 50, 100, 150, 200, 250* ¹	200
40	10, 25, 50, 100, 150, 200, 250	250

*1 Not available for ø32.

200, 250

*2 Other strokes are available on request. (Request based production)

Spring Retracting Force

Sprii	ng Retu	ırn													[N]
D	04		Spring force												
Bore	Standard stroke	10		25		50		100		150		200		25	50
[mm]	[mm]	Rod extended	Rod retracted												
32	10, 25, 50, 100, 150, 200	53.9	48.8	53.9	41.2	53.9	28.4	66.7	19.6	66.7	18.1	66.7	19.6	_	_
40	10, 25, 50, 100, 150, 200, 250	78.5	72.6	78.5	63.7	78.5	49.0	76.5	23.5	76.5	23.5	76.5	23.5	76.5	23.5

Spring Extend [N] Spring force Bore Standard 10 25 50 100 150 200 250 size stroke Rod [mm] [mm] retracted extended 10, 25, 32 50, 100, 66.7 56.3 66.7 40.7 66.7 19.6 66.7 66.7 18.1 150, 200 10, 25, 50, 76.5 65.9 76.5 | 50.0 | 76.5 | 23.5 | 76.5 | 23.5 | 76.5 23.5 76.5 23.5 40 100, 150, 76.5 23.5

Option: Ordering Example of Cylinder Assembly

⚠ Precautions

Be sure to read this before handling the ■ products. Refer to page 219 for safety ■ instructions. For actuator and auto switch precautions, refer to the "Handling Precautions for SMC Products" and the I "Operation Manual" on the SMC website: I http://www.smcworld.com

Cylinder model: CD75E40-50SNV-B-M9BW Double end boss-cut Rod end Clevis /Auto switch

Head cover E: Double end boss-cut Mounting bracket N: Clevis Rod end bracket V: Rod end Auto switch D-M9BW: Band mounting, 2 pcs.

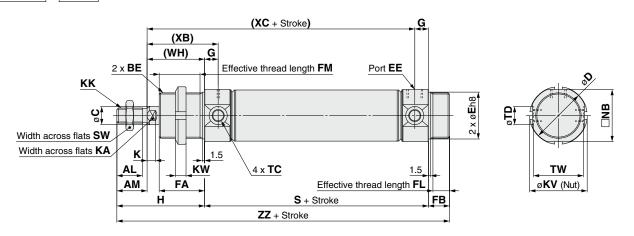
Mounting bracket, rod end, and auto switch are shipped together with the product.



Dimensions: Single Acting, Spring Return

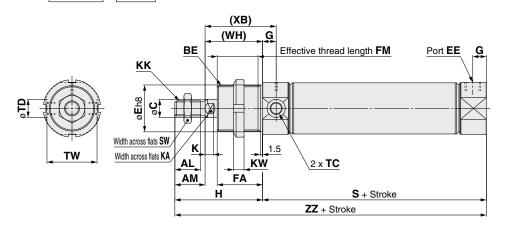
Double end boss-cut

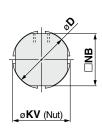
C□75E Bore size - Stroke S - □



Boss-cut/Basic

C□75F Bore size - Stroke S - □





Dimens	Dimensions [mr															[mm]		
Bore size	AL	АМ	BE	С	D	E	EE	FA	FB	FM	FL	G	н	к	KA	KK	ΚV	KW
32	17	20	M30 x 1.5	12	37.5	30	G1/8	30	14	27	11	9	58	5.5	10	M10 x 1.5	38	7
40	21	24	M38 x 1.5	14	46.5	38	G1/4	35	16	32	13	12	69	7	12	M12 x 1.75	50	8

	ore ze	NB	sw	тс	TD	TW	(WH)	(XB)
3	32	34.5	17	M8 x 1	12+0.08	33.1	38	47
4	10	42.5	19	M10 x 1	14+0.08	39.5	45	57

139

164

D

89

40

Double End I	Double End Boss-cut [mm]														
Item			S					(XC)					ZZ		
Bore size Stroke	1 to 50	51 to 100	101 to 150	151 to 200	201 to 250	1 to 50	51 to 100	101 to 150	151 to 200	201 to 250	1 to 50	51 to 100	101 to 150	151 to 200	201 to 250
32	68	118	143	168	_	97	147	172	197		140	190	215	240	

197

222

247

172

Boss-cut/Ba	Boss-cut/Basic [mm]														
Item			S					ZZ							
Bore size Stroke	1 to 50	51 to 100	101 to 150	151 to 200	201 to 250	1 to 50	51 to 100	101 to 150	151 to 200	201 to 250					
32	68	118	143	168	_	126	176	201	226	_					
40	89	139	164	189	214	158	208	233	258	283					

214

122

189

Refer to page 67 of Standard Type Single Rod for details of accessories (rod end, floating joint).

224

249

274

C85W C85-S/T C85K-S/T C85K

> **C75** C75W

> C75-S/T C75K

C75K-S/T CP96K CP96 C75R

C96K

C967

Made to Order

299