

ISO/VDMA Cylinder: Standard Type Double Acting, Single/Double Rod Series C95

ø32, ø40, ø50, ø63, ø80, ø100

How to Order

Without auto switch

C95S

B **32** — **100** **W**

With auto switch

C95SD

B **32** — **100** **W** — **A53** **S**

Built-in magnet

Mounting style

B	Basic/without bracket style
L	Axial foot style
F	Rod side flange style
G	Head side flange style
C	Single clevis style
D	Double clevis style
T	Center trunnion style

Bore size

32	32 mm
40	40 mm
50	50 mm
63	63 mm
80	80 mm
100	100 mm

Stroke (mm)

Refer to "Standard Stroke" on page 6-12-4.

Auto switch

Nil Without auto switch
* For the applicable auto switch model, refer to the table below.

Number of auto switches

Nil	2 pcs.
S	1 pc.
3	3 pcs.
n	"n" pcs.

Rod

Nil	Single rod
W	Double rod

Applicable Auto Switch/Tie-rod Mounting

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage			Auto switch model		Lead wire length (m)			Applicable load			
					DC		AC	Tie-rod mounting	Band mounting	0.5 (Nil)	3 (L)	5 (Z)				
Reed switch	—	Grommet	Yes	3-wire (Equiv. to NPN)	—	5 V	—	A56	—	●	●	—	IC	—		
				2-wire	24 V	12 V	—	A53	—	●	●	●	—	Relay, PLC		
			5 V, 12 V			100 V, 200 V	A54	—	●	●	●					
			12 V			200 V or less	A67	—	●	●	—					
	—		—			A64	—	●	●	—						
	No		3-wire	—	5 V	—	A59W	—	●	●	—	IC	—			
		12 V			AC 100	Z76	—	●	●	—	—	—				
	Diagnostic indication (2-color)	Yes	2-wire	24 V	5 V, 12 V	100 V or less	Z73	—	●	●	—	—	Relay, PLC			
					—	—	Z80	—	●	●	—	IC	—			
		No	2-wire	24 V	12 V	—	—	A33	—	—	—	—	PLC			
12 V					100 V, 200 V	—	A34	—	—	—	—	Relay, PLC				
Terminal conduit		Yes	2-wire	24 V	12 V	—	—	A44	—	—	—	—	—			
					12 V	—	—	—	—	—	—	—	—			
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	F59	—	●	●	○	IC	Relay, PLC		
				3-wire (PNP)				F5P	—	●	●	○				
				2-wire	—	—	100 V, 200 V	J51	—	●	●	○	—			
				Diagnostic indication (2-color)	3-wire (NPN)	5 V, 12 V	—	F59W	—	●	●	○	IC			
	3-wire (PNP)							F5PW	—	●	●	○				
	2-wire							12 V	J59W	—	●	●			○	—
	3-wire (NPN)							5 V, 12 V	F5BAL	—	—	●			○	
	Water resistant (2-color)			2-wire	12 V	—	F5NTL	—	—	●	○	IC				
							4-wire (NPN)	5 V, 12 V	F59F	—	●		●	○		
	With timer			2-wire	—	—	P5DW	—	—	●	●	—	—			
							3-wire (NPN)	5 V, 12 V	Y59A	—	●	●		○	IC	
	Diagnostic output (2-color)			2-wire	—	—	Y59B	—	●	●	○	—	Relay, PLC			
							3-wire (PNP)	5 V, 12 V	Y7P	—	●	●		○		
	Strong magnetic field resistant (2 color)			3-wire (NPN)	5 V, 12 V	—	Y7NW	—	●	●	○	IC				
							3-wire (PNP)	Y7PW	—	●	●			○		
							2-wire	—	Y7BW	—	●			●	○	—
		3-wire (NPN)	5 V, 12 V				Y7BAL	—	—	●	○					
	Diagnostic indication (2-color)	2-wire	—	—	—	G39	—	—	—	IC	—					
					3-wire (NPN)	5 V, 12 V	—	K39	—	—		—		—		
	Water resistant (2-color)	Terminal conduit	2-wire	24 V	12 V	—	—	—	—	—	—	—				
12 V					—	—	—	—	—	—	—					

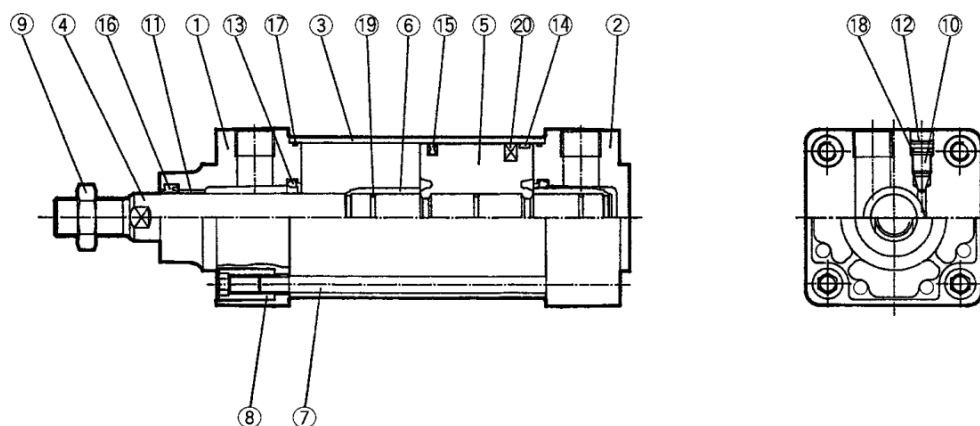
* Lead wire length symbols: 0.5 m Nil (Example) A53
3 m L (Example) A53L
5 m Z (Example) A53Z

○: Manufactured upon receipt of order.

Refer to page 6-16-1 for details of applicable auto switches in addition to those listed above.

Auto Switch Mounting Bracket Part No.

Bore size (mm)	32	40	50	63	80	100
D-A3/A4/K3/G3	BMB2-032	BMB2-040	BMB1-050	BMB1-063	BMB1-080	BMB1-100
D-A5/A6/F5/J5	BT-03	BT-05	BT-05	BT-06	BT-06	BT-06
D-Z□/Y□	BMB4-032	BMB4-050	BMB4-050	BMB4-063	BMB4-063	BMB4-063
D-P5DWL	BMB3T-040	BMB3T-050	BMB3T-050	BMB3T-080	BMB3T-080	BMB3T-080



Component Parts

No.	Description	Material	Note
①	Rod cover	Aluminum die-casted	
②	Head cover	Aluminum die-casted	
③	Cylinder tube	Aluminum alloy	
④	Piston rod	Carbon steel	
⑤	Piston	Aluminum alloy	
⑥	Cushion ring	Brass	
⑦	Tie-rod	Carbon steel	
⑧	Tie-rod nut	Steel	
⑨	Rod end nut	Steel	
⑩	Cushion valve	Steel wire	
⑪	Bushing	Lead-bronze casted	
⑫	Snap ring	Steel for spring	ø40 to ø100
⑬	Cushion seal	Urethan rubber	

No.	Description	Material	Note
⑭	Wearing	Resin	
⑮	Piston seal	NBR	
⑯	Rod seal	NBR	
⑰	Cylinder tube gasket	NBR	
⑱	Cushion valve seal	NBR	
⑲	Piston gasket	NBR	
⑳	Magnet		

Replacement Parts: Seal Kit

Bore size (mm)	Kit no.	Contents
32	CS95-32	Kits include items ⑬ to ⑰.
40	CS95-40	
50	CS95-50	
63	CS95-63	
80	CS95-80	
100	CS95-100	

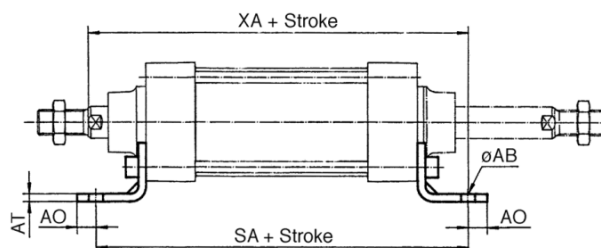
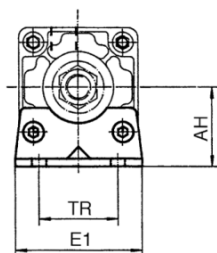
* Seal kits consist of items ⑬ to ⑰ contained in one kit, and can be ordered using the order number for each respective tube bore size.

Series C95

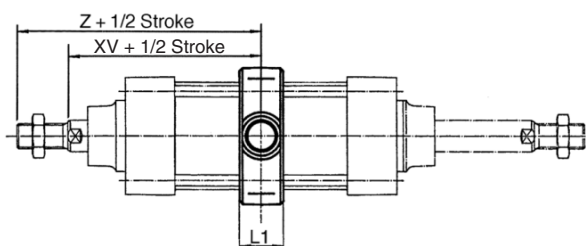
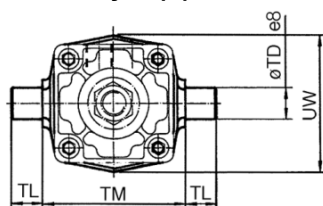
Dimensions: Cylinder Mounting Accessory

[First angle projection]

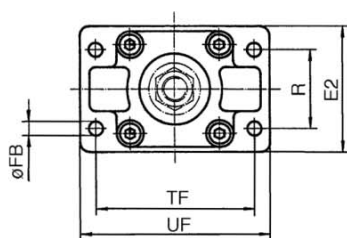
Foot style (L)



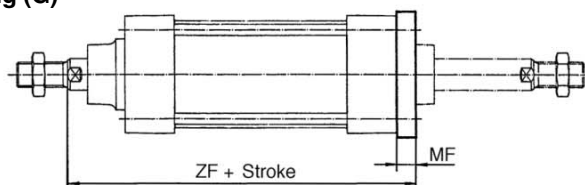
Center trunnion style (T)



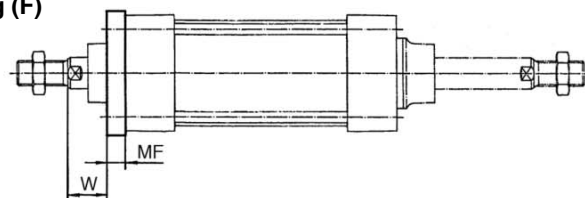
Flange style (F, G)



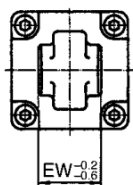
Head side mounting (G)



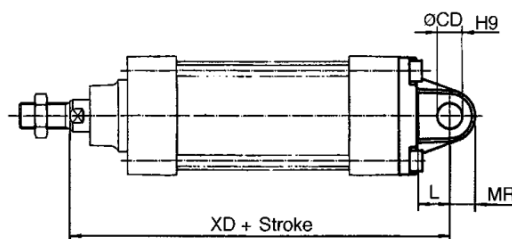
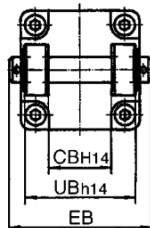
Rod side mounting (F)



Head side single clevis style (C)



Head side double clevis style (D)



Bore size (mm)	E1	R	W	MF	ZF	øFB	øCD _{H9}	EB	L	XD	UB _{h14}	CB _{H14}	EW _{-0.2/-0.6}	MR	TR	AO	AT	XA	SA	AH	øAB	L1	XV	Z	TL	øTD _{ø8}	TM	UW	TF	UF	E2
32	48	32	16	10	130	7	10	65	12	142	45	26	26	9.5	32	10	4.5	144	142	32	7	17	73	95	12	12	50	49	64	79	50
40	55	36	20	10	145	9	12	75	15	160	52	28	28	12	36	11	4.5	163	161	36	10	22	82.5	106.5	16	16	63	58	72	90	55
50	68	45	25	12	155	9	12	80	15	170	60	32	32	12	45	12	5.5	175	170	45	10	22	90	122	16	16	75	71	90	110	70
63	80	50	25	12	170	9	16	90	20	190	70	40	40	16	50	12	5.5	190	185	50	10	28	97.5	129.5	20	20	90	87	100	120	80
80	100	63	30	16	190	12	16	110	20	210	90	50	50	16	63	14	6.5	215	210	63	12	34	110	150	20	20	110	110	126	153	100
100	120	75	35	16	205	14	20	140	25	230	110	60	60	20	75	16	6.5	230	220	71	14.5	40	120	160	25	25	132	136	150	178	120