

ISO Cylinder/Standard: Double Acting Series C92

ø32, ø40, ø50, ø63, ø80, ø100, ø125, ø160

How to Order

Standard

C92S

With auto switch

C92SD

Mounting

B	Basic/Without bracket
T	Centre trunnion

* Mounting accessories are not mounted, should be order separate. Please refer order keys in next pages.

Bore size

32	32mm
40	40mm
50	50mm
63	63mm
80	80mm
100	100mm
125	125mm
160	160mm

Stroke (mm)

—	Single rod
W	Double rod
R	Stainless steel rod

Auto switch

D — **A53** **L**

Auto switch type

Select an applicable auto switch model from the table below

Lead wire length

Nil	0.5m
L	3m
Z	5m

Made to order

XB6	Heat resistant (Max. 150°C)
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* Not applicable to non-rotating rod (C92K) and models with built-in magnets.

Built-in magnet

Stroke (mm)

Refer to standard stroke table on p.1.12-3.

Applicable Auto Switches/Tie rod mounting

Style	Special function	Electrical entry	Indicator	Load voltage			Auto switch model	Lead wire (m)*			Applicable load	
				Wiring (Output)	DC	AC		0.5 (—)	3 (L)	5 (Z)		
Reed switch	—	Grommet	Yes	3 wire (Equiv. to NPN)	—	5V	A56	●	●	—	IC	—
				—	12V	—	A53	●	●	●	—	—
			No	2 wire	5V, 12V	100V, 200V	A54	●	●	●	—	Relay
				—	5V, 12V	—	A67	●	●	—	—	PLC
Solid state switch	Diagnosis indication (2 colour)	Grommet	Yes	3 wire (NPN)	24V	5V, 12V	A64	●	●	—	IC	—
				3 wire (PNP)	—	—	A59W	●	●	—	—	—
			No	2 wire	—	100V, 200V	F59	●	●	○	IC	—
				—	—	—	F5P	●	●	○	—	—
			Yes	2 wire	12V	—	J51	●	●	○	—	—
				—	—	—	J59	●	●	○	—	—
			No	3 wire (NPN)	5V, 12V	—	F59W	●	●	○	IC	—
				3 wire (PNP)	—	—	F5PW	●	●	○	—	—
			Yes	2 wire	12V	—	J59W	●	●	○	IC	—
				—	—	—	F5BA	—	●	○	—	—
Solid state switch	Water resistant (2 colour)	Grommet	No	3 wire (NPN)	5V, 12V	—	F5NT	—	●	○	IC	—
				3 wire (PNP)	—	—	F59F	●	●	○	—	—
			Yes	4 wire (NPN)	5V, 12V	—	F5LF	●	●	○	—	—
				—	—	—	—	—	—	—	—	—

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

○: Manufactured upon receipt of order.

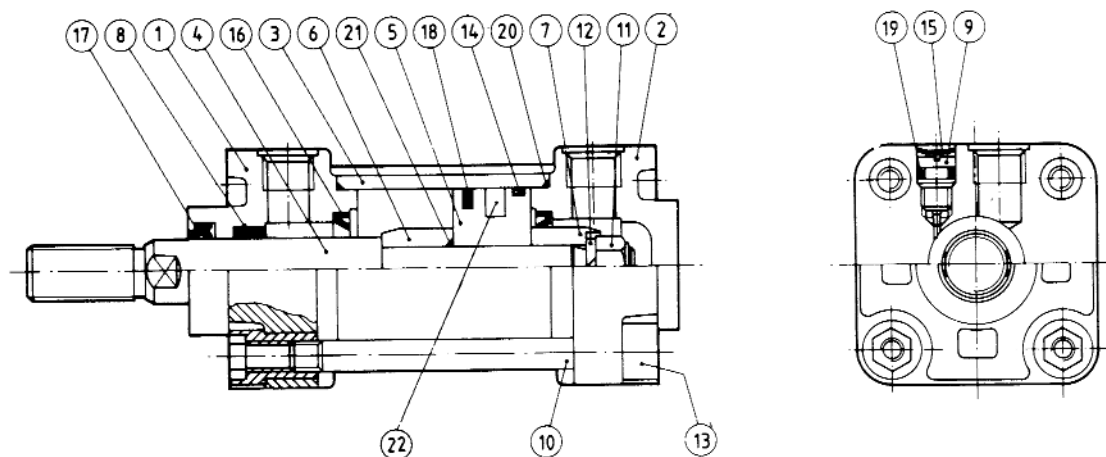
Mounting Bracket Part No.

Bore size	ø32	ø40	ø50	ø63	ø80	ø100	ø125	ø160
Foot ⁽¹⁾	L32	L40	L50	L63	L80	L100	L125	L160
Flange	F32	F40	F50	F63	F80	F100	F125	F160
Single rear clevis	C32	C40	C50	C63	C80	C100	C125	C160
Double rear clevis	D32	D40	D50	D63	D80	D100	D125	D160

Note 1) Two foot brackets required for one cylinder.

Auto Switch Mounting Bracket Part No.

Bore size	Mounting bracket
ø32	BT-03
ø40	BT-03
ø50	BT-04
ø63	BT-04
ø80	BT-06
ø100	BT-06
ø125	BT-08
ø160	BT-16

Construction**Component Parts**

No.	Description	Material	Note
①	Rod cover	Aluminum alloy	
②	Head cover	Aluminum alloy	
③	Cylinder tube	Aluminum alloy	
④	Piston rod	C45 hard chrome	
⑤	Piston	Aluminum alloy	
⑥	Cushion ring	Rolled steel	
⑦	Cushion ring	Rolled steel	
⑧	Bushing	Lead bronze casting	
⑨	Cushion adjustment screw	Steel	(Zinc chromate plated)
⑩	Tie rod	Steel	(Zinc chromate plated)
⑪	Piston nut	Rolled steel	
⑫	Spring seat	Steel wire	(Zinc chromate plated)
⑬	Tie rod nut	Steel	(Zinc chromate plated)

No.	Description	Material	Note
⑭	Wearing	PRC compound	
⑮	Serrated washer	Steel	(Zinc chromate plated)
⑯	Cushion seal	NBR	
⑰	Rod seal/Gasket	NBR	
⑱	Piston seal	NBR	
⑲	Cushion screw seal	NBR	
⑳	Cylinder tube gasket	NBR	
㉑	Piston gasket	NBR	
㉒	Magnet ring		

Seal Kits

Bore size (mm)	Kit No.	Contents
32	CS92-32	Kits include items 16 to 21
40	CS92-40	
50	CS92-50	
63	CS92-63	
80	CS92-80	
100	CS92-100	
125	CS92-125	
160	CS92-160	

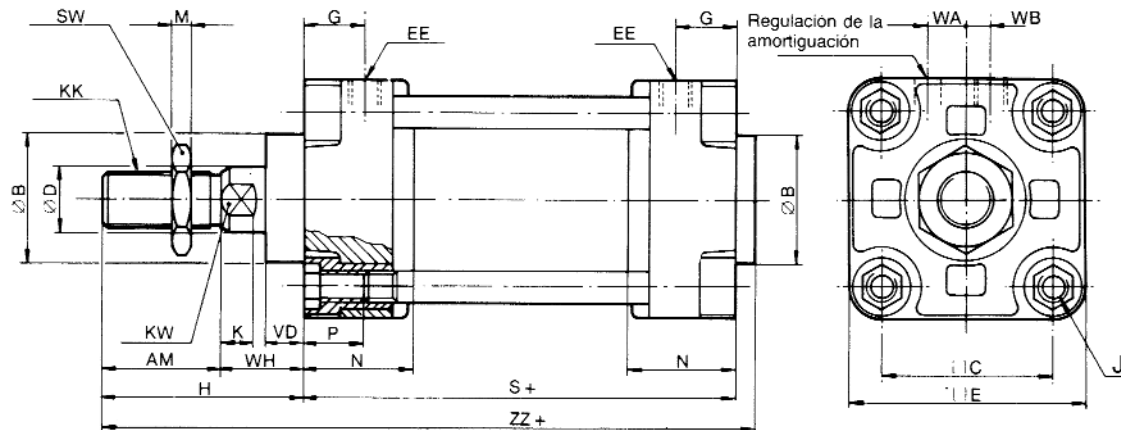
* Seal kits consist of items 16 to 21.

CJ1**CJP****CJ2****CM2****C85****C76****CG1****MB****MB1****CP95****C95****C92****CA1****CS1**

Series C92

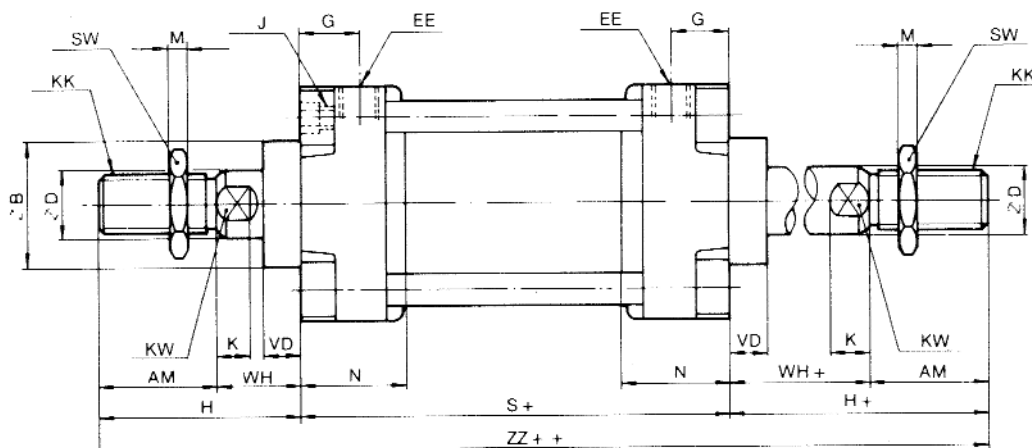
Without Mounting Bracket

C92S□Bø-Stroke



Bore (mm)	AM	øB	C	ØD	E	EE	G	KK	H	J	K	KW	M	N	P	S	SW	VD	WA	WB	WH	ZZ
32	22	30	33	12	46	G1/8	13,5	M10 X 1.25	58	M6	6	10	5	23	11	74	17	10	7	6	36	136
40	24	32	44	16	60	G1/4	15,5	M12 X 1.25	64,5	M6	6	14	7	27	11	84	19	10	10	6	40,5	153,5
50	32	40	52	20	70	G1/4	17	M16 X 1.5	77	M8	7	18	8	30	14	90	24	10	11	10	45	173
63	32	40	64	20	85	G3/8	17	M16 X 1.5	80,5	M8	7	18	8	31	14	98	24	10	11	10	48,5	184,5
80	40	52	78	25	103	G3/8	22	M20 X 1.5	92	M10	11	22	10	37	19	116	30	14	11	16	52	215
100	40	52	92	30	116	G1/2	19,5	M20 X 1.5	97	M10	11	26	10	40	19	126	30	14	12	20	57	231
125	54	60	110	32	140	G1/2	25	M27 X 2	119	M12	15	27	13	45	42	160	41	26	20	15	65	287
160	72	65	140	40	180	G3/4	30	M36 X 2	152	M16	17	36	16	55	52	180	55	31	25	15	80	340

C92S□Bø-Stroke W



Bore (mm)	AM	øB	ØD	EE	G	H	J	KK	K	KW	M	N	S	SW	VD	WH	ZZ
32	22	30	12	G1/8	13,5	58	M6	M10 X 1.25	6	10	5	23	74	17	10	36	190
40	24	32	16	G1/4	15,5	64,5	M6	M12 X 1.25	6	14	7	27	84	19	10	40,5	213
50	32	40	20	G1/4	17	77	M8	M16 X 1.5	7	18	8	30	90	24	10	45	244
63	32	40	20	G3/8	17	80,5	M8	M16 X 1.5	7	18	8	31	98	24	10	48,5	259
80	40	52	25	G3/8	22	92	M10	M20 X 1.5	11	22	10	37	116	30	14	52	300
100	40	52	30	G1/2	19,5	97	M10	M20 X 1.5	11	26	10	40	126	30	14	57	320
125	54	60	32	G1/2	25	119	M12	M27 X 2	15	27	13	45	160	41	26	65	398
160	72	65	40	G3/4	30	152	M16	M36 X 2	17	36	16	55	180	55	31	80	484