

Dual Rod Cylinder Double Rod Type Series CXSW

ø6, ø10, ø15, ø20, ø25, ø32

How to Order

Thread type

Symbol	Type	Bore size
Nil	M thread	ø6 to ø20
	Rc 1/8	
TN	NPT 1/8	ø25, ø32
TF	G 1/8	

CXS W L 20 - 100 - Y7BW

Double rod type

Bearing type

Symbol	Type
M	Slide bearing
L	Ball bushing bearing

Bore size/Stroke (mm)

Bore size	Standard stroke
6	10, 20, 30, 40, 50
10, 15	10, 20, 30, 40, 50
20, 25, 32	10, 20, 30, 40, 50, 75, 100

Number of auto switches

Symbol	Type
Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Symbol	Type
Nil	Without auto switch (Built-in magnet)

* For the applicable auto switch model, refer to the table below.

Applicable Auto Switch/Refer to pages 1719 to 1827 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage			Auto switch model		Lead wire length (m) *			Pre-wired connector	Applicable load		
					DC	AC			Perpendicular	In-line	0.5 (Nil)	3 (L)				5 (Z)
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	Y69A	Y59A	●	●	○	○	IC circuit	Relay, PLC	
				3-wire (PNP)		Y7PV		Y7P	●	●	○	○				
				2-wire		Y69B		Y59B	●	●	○	○				
	Diagnostic indication (2-color indication)			3-wire (NPN)	5 V, 12 V	Y7NWV		Y7NW	●	●	○	○	IC circuit			
				3-wire (PNP)		Y7PWV		Y7PW	●	●	○	○				
				2-wire		Y7BWV		Y7BW	●	●	○	○				
	Water resistant (2-color indication)			—	Y7BA**	—	●	○	○	—						
	Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	Z76	●	●	—	—	IC circuit	—	
None				2-wire	24 V	12 V	100 V or less	—	Z80	●	●	—	—	IC circuit	Relay, PLC	

* Lead wire length symbols: 0.5 m Nil (Example) Y59A
3 m L (Example) Y59AL
5 m Z (Example) Y59AZ

* Solid state auto switches marked with "○" are produced upon receipt of order.
** ø10, 15, 20 are not applicable. Please consult with SMC separately.

- Since there are other applicable auto switches than listed, refer to page 569 for details.
- For details about auto switches with pre-wired connector, refer to pages 1784 and 1785.
- Auto switches are shipped together (not assembled).

CX2

CXW

CXT

CXSJ

CXS

D-□

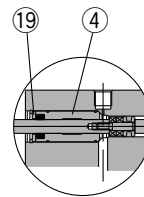
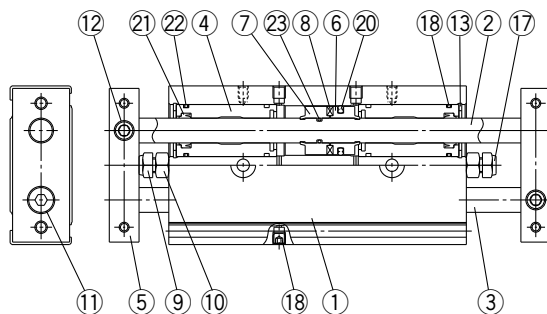
-X□

Individual
-X□

Series CXSW

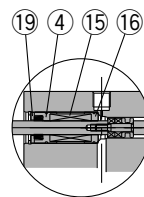
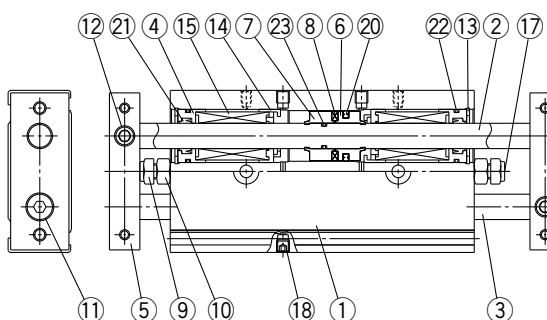
Construction

CXSWM (Slide bearing)



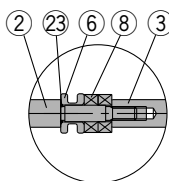
CXSWM6

CXSWL (Ball bushing bearing)

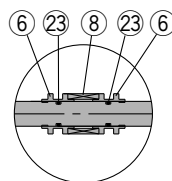


CXSWL6

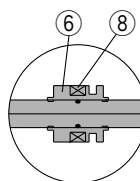
(Piston part)



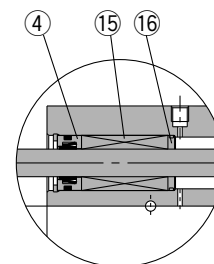
CXSW□6



CXSW□10



CXSW□25, 32



CXSWL10, 15

Component Parts

No.	Description	Material	Note
1	Housing	luminum alloy	ard anodized
2	Piston rod A	Carbon steel	Hard chrome plated
3	Piston rod B	Carbon steel	Hard chrome plated
4	Rod cover	Aluminum bearing alloy	
5	Plate	Aluminum alloy	Hard anodized
6	Piston A	Aluminum alloy	Chromated
7	Piston B	Aluminum alloy	Chromated
8	Magnet	—	
9	Bumper bolt	Carbon steel	Nickel plated
10	Hexagon nut	Carbon steel	Nickel plated
11	Hexagon socket head cap screw	Chromium steel	Nickel plated
12	Hexagon socket head set screw	Chromium steel	Nickel plated

Note) Piston rod for CXSL is quenched.

Replacement Parts/Seal Kit

Bore size (mm)	Kit no.	Contents
6	CXSWM6-PS	Set of nos. above 20, 21 and 22
	CXSWL6-PS	
10	CXSWM10-PS	
	CXSWL10APS	
15	CXSWM15-PS	
	CXSWL15APS	
20	CXSWM20-PS	
	CXSWL20APS	
25	CXSWM25-PS	
	CXSWL25APS	
32	CXSWM32-PS	
	CXSWL32APS	

Component Parts

No.	Description	Material	Note
13	Retaining ring	Special steel	Nickel plated
14	Bumper holder	Synthetic resin	
15	Ball bushing	—	
16	Bearing spacer	Synthetic resin	
17	Bumper	Polyurethane	
18	Plug	Chromium steel	Nickel plated
19	Seal retainer	Aluminum alloy	
20*	Piston seal	NBR	
21*	Rod seal	NBR	
22*	O-ring	NBR	
23	O-ring	NBR	

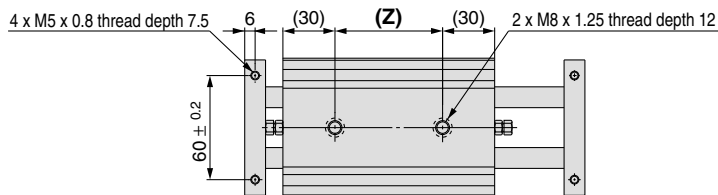
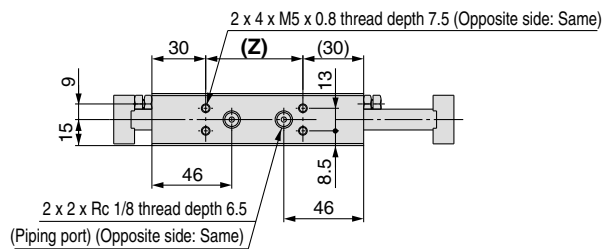
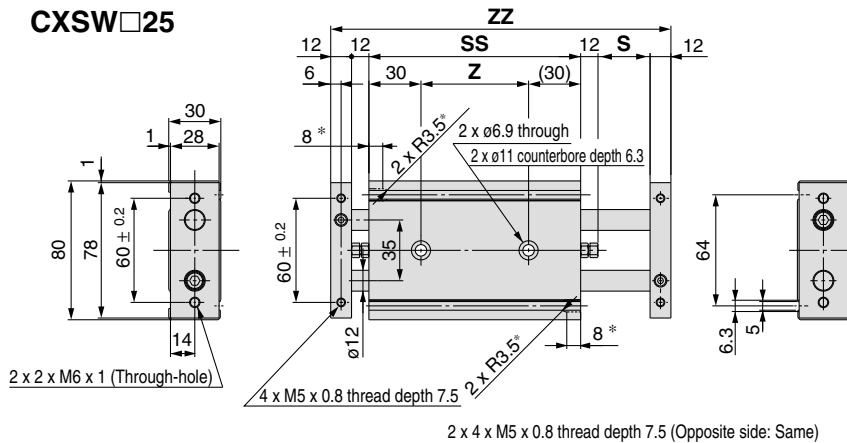
* For CXSWL6, aluminum bearing alloy is used for 16.

* Seal kit includes 20 to 22. To order them, use the order number given in the left table.

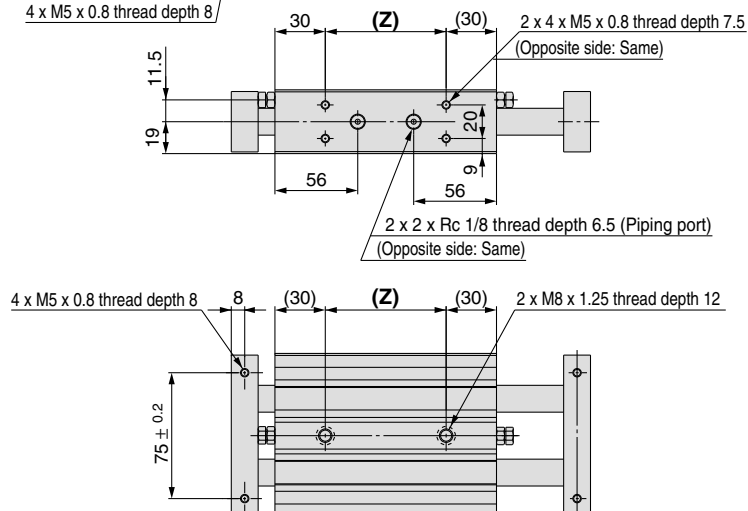
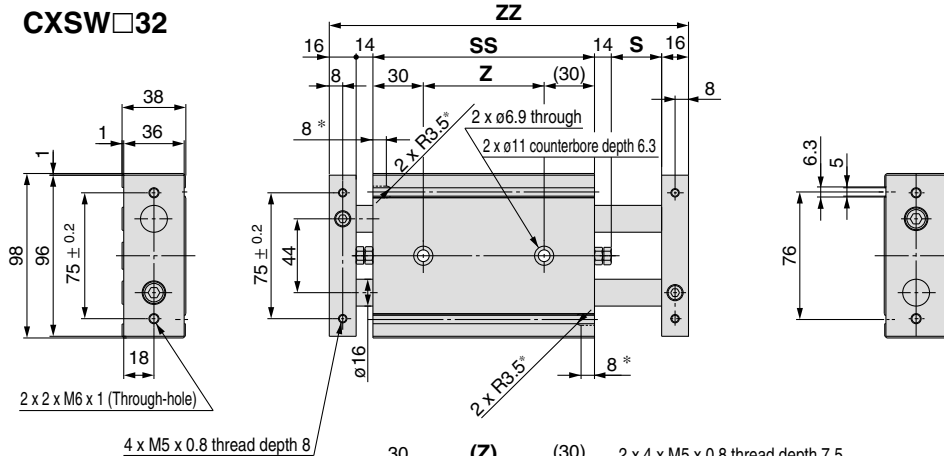
* Since the seal kit does not include a grease pack, order it separately.
Grease pack part no.: GR-S-010 (10 g)

Dimensions: ø25, ø32

CXSW□25



CXSW□32



		(mm)			
	Model	S	SS	ZZ	Z
Standard stroke	CXSW□25-10	10	122	180	62
	CXSW□25-20	20	132	200	72
	CXSW□25-30	30	142	220	82
	CXSW□25-40	40	152	240	92
	CXSW□25-50	50	162	260	102
	CXSW□25-75	75	187	310	127
	CXSW□25-100	100	212	360	152
Long stroke (-XB11)	CXSW□25-125	125	237	410	177
	CXSW□25-150	150	262	460	202
	CXSW□25-175	175	287	510	227
	CXSW□25-200	200	312	560	252

* Only the CXSW□25-10 has a groove cut out for installing auto switches.
(The dimensions are marked “*”).

		(mm)			
	Model	S	SS	ZZ	Z
Standard stroke	CXSW□32-10	10	143	213	83
	CXSW□32-20	20	153	233	93
	CXSW□32-30	30	163	253	103
	CXSW□32-40	40	173	273	113
	CXSW□32-50	50	183	293	123
	CXSW□32-75	75	208	343	148
Long stroke (-XB11)	CXSW□32-100	100	233	393	173
	CXSW□32-125	125	258	443	198
	CXSW□32-150	150	283	493	223
	CXSW□32-175	175	308	543	248
	CXSW□32-200	200	333	593	273

* Only the CXSW□32-10 has a groove cut out for installing auto switches.
(The dimensions are marked “*.”)