SMC **P. G. Information**

SMC CORPORATION
1-16-4 Shimbashi, Minato-ku
Tokyo 105-8659, JAPAN

Dual rod cylinder
CXSM20-R5591-15

Application: Positioning of work

Feature: Plate fixing style with piping from hollow piston rod

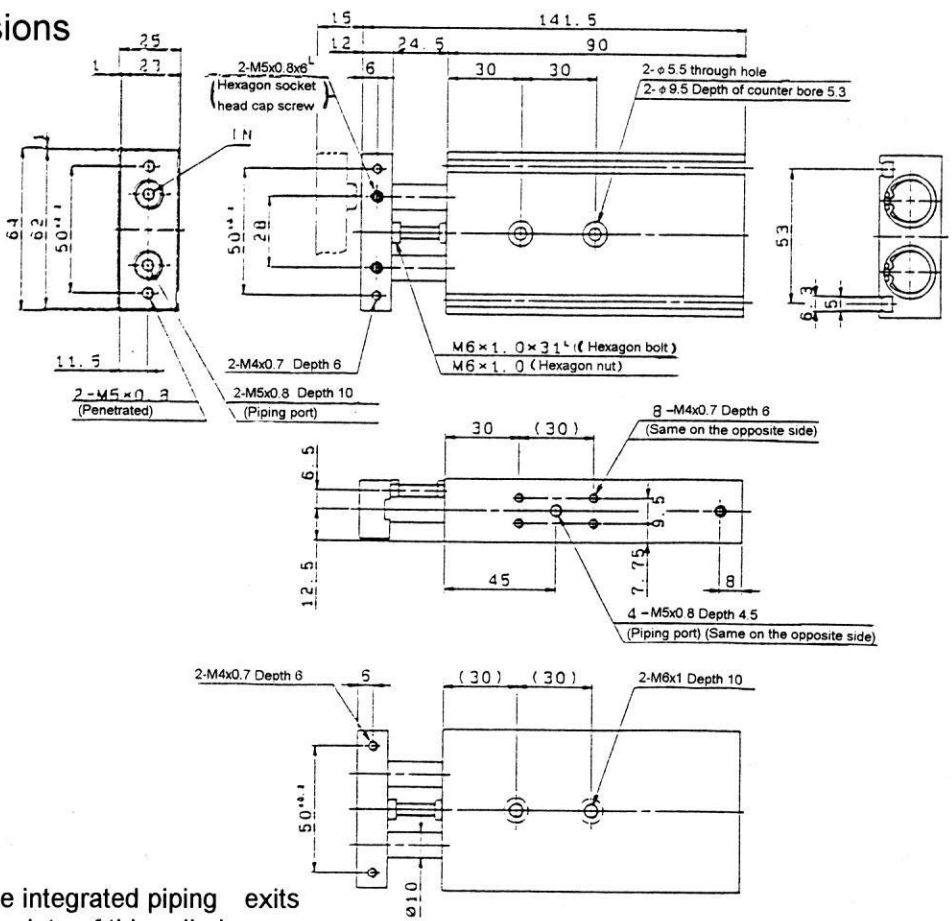
Comparison with standards:

1. Piping from surface of plate
2. Return end 24.5 mm

Specifications

Tube bore	ϕ 20mm	Ambient temperature	- 10 to 60℃ (No freezing)
Stroke	15mm	Fluid temperature	
Stroke tolerance	+0 / -5 mm	Cushion	With damper
Screw tolerance	---	Mounting bracket	---
Max. operating pressure	0.7MPa {7.1kgf/cm^2}	Attachment	---
Proof pressure	1.05 MPa {10.7 kgf/cm^2}		

Dimensions



Note) The integrated piping exits on plate of this cylinder.

SMC P. G. Information

SMC CORPORATION
1-16-4 Shimbashi, Minato-ku
Tokyo 105-8659, JAPAN

Dual rod cylinder
CXSL15-G2801-85

Application: Suction and transfer of work

Feature 1: Combination of vacuum rod and dual rod cylinder
Feature 2: Light weighted, Approx. 900g
Feature 3: Equipped with vacuum port

Specifications

Tube bore	ϕ15mm	Ambient temperature	- 10 to 60℃
Stroke	85mm	Fluid temperature	(No freezing)
Stroke tolerance	+0 / -5 mm	Cushion	With damper
Screw tolerance	---	Mounting bracket	---
Max. operating pressure	0.7MPa {7.1kgf/cm^2}	Attachment	---
Proof pressure	1.05 MPa {10.7 kgf/cm^2}		

Auto switch specifications		
Part number	D-Z73	
Load voltage	24V DC	100V AC
Load current	5 to 40 mA	5 to 20 mA
Internal voltage drop	2 .4 V or less	
Operating time	1.2 ms	
Shock resistance	300 m/s^2 {30.6 G}	
Ambient temperature	- 10 to 60℃	

SMC **P. G. Information**

SP992E -115E

SMC CORPORATION
1-16-4 Shimbashi, Minato-ku
Tokyo 105-8659, JAPAN

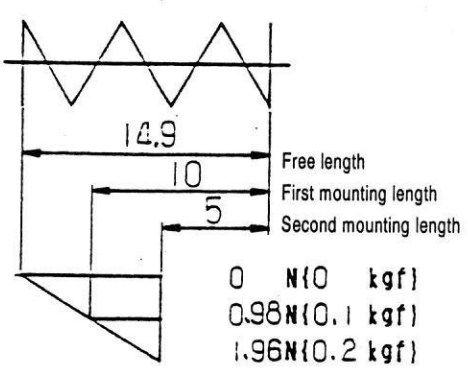
Dual rod cylinder
CXSL10-R6025-20

Application: Buffer unit, Adsorbing and transferring IC chip
Feature 1: Dual rod for pressurization axis and vacuum axis
Feature 2: Non movable piping for vacuum
Feature 3: Non-rotating accuracy: ±0.05° (the adoption of ball-spline axis)

Specifications

Specifications			
Bore size	φ10mm	Ambient temperature	- 10 to 60℃ (No freezing)
Stroke	20mm	Operating air temperature	
Stroke tolerance	+1 / 0 mm	Cushion	With damper
Screw end tolerance	JIS class 2	Mounting bracket	—
Max. operating pressure	0.7 MPa {7.1kgf/cm^2}	Attachment	—
Proof pressure	1.05 MPa {10.7 kgf/cm^2}		

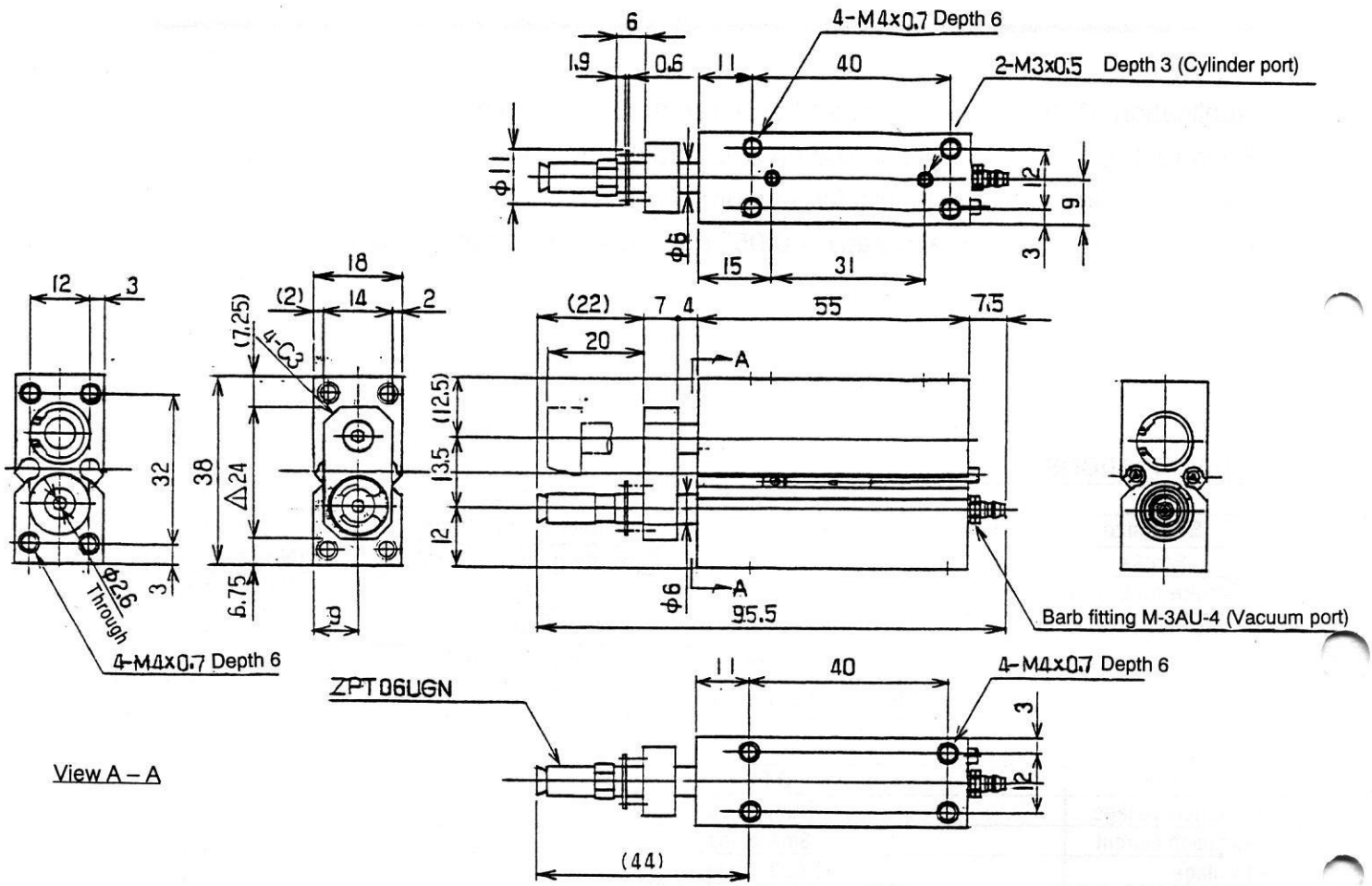
Switch model no.	D-F9NL
Power supply voltage	DC10 to 28V
Consumption current	8mA or less
Load voltage	DC28V or less
Load current	50mA or less
Internal drop voltage	0.4V or less
Current leakage	100 μA or less
Operating time	1ms or less
Operating indication lamp	Red light emitting diode indicates when ON
Shock resistance	1000m/s^2 (102G)
Insulation resistance	50MΩ or more at DC500V mega (Between lead wire and case)
Withstand voltage	AC1000V one minute (Between lead wire and case)
Ambient temperature	- 10 to 60℃



Spring specification for Buffer

Buffer specifications	
Stroke	5mm
Non-rotation	available

Dimensions



Notes

1: This cylinder is buffer attached cylinder.

2: The auto switch is shipped with the package (not mounted).

SMC P. G. Information

SMC CORPORATION
1-16-4 Shimbashi, Minato-ku
Tokyo 105-8659, JAPAN

Dual rod cylinder / Advanced water resistant cylinder
CXSL32-R1033-※

Application: Use in an atmosphere where water splashes on cylinder

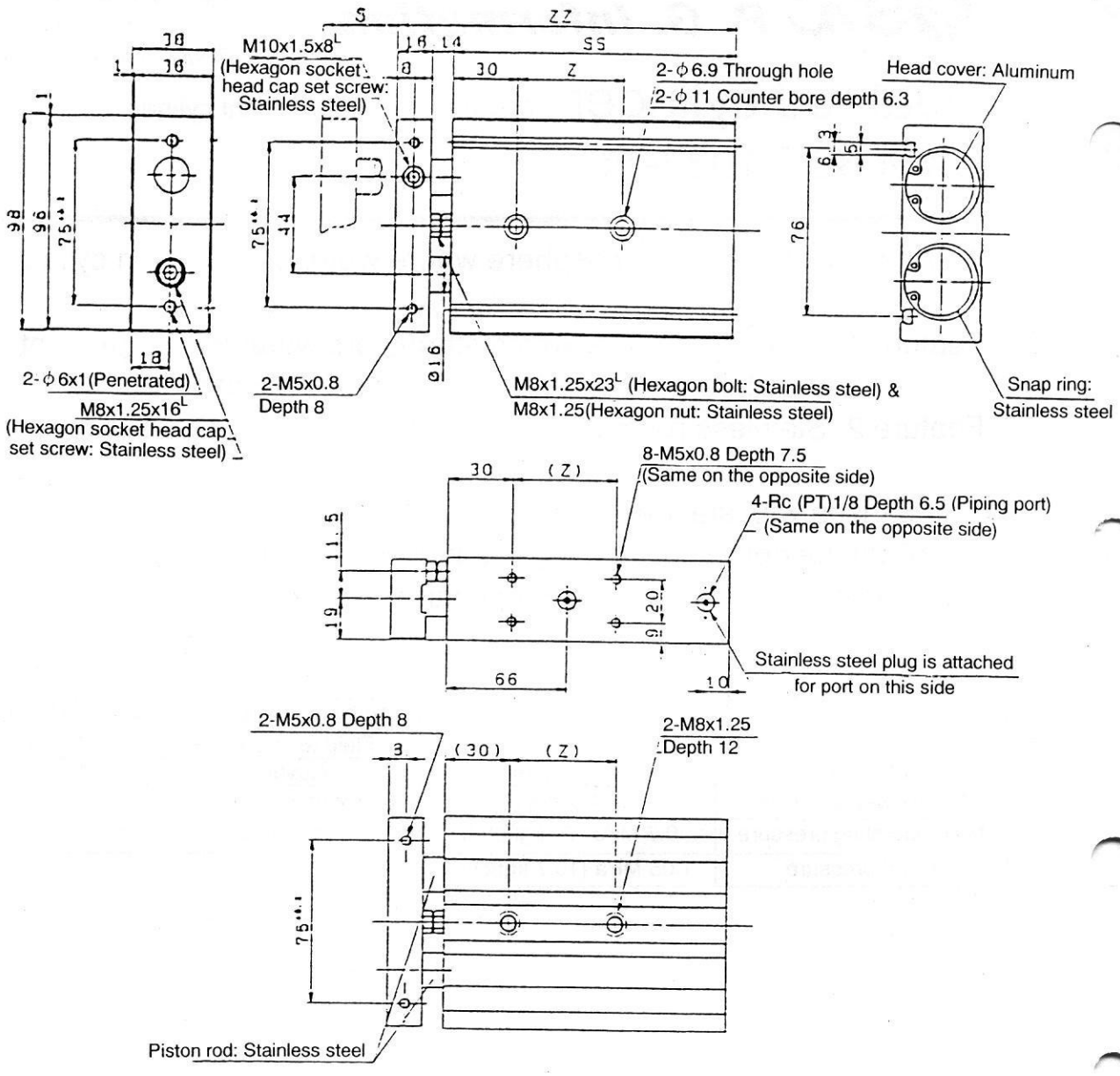
Feature 1: Powerful scraper which strains out water well to prevent moisture from entering the inside of cylinder
Feature 2: Stainless parts against corrosion

Comparison with standards:
1. 10mm longer total length due to built-in powerful scraper
2. Stainless parts in place of steel parts

Specifications

Bore size	ϕ32mm	Ambient temperature	- 10 to 60℃ (No freezing)
Stroke	---	Fluid temperature	
Stroke tolerance	+0 / -5 mm	Cushion	With damper
Screw end tolerance	JIS Class 2	Mounting bracket	---
Max. operating pressure	0.7 MPa {7.1kgf/cm^2}	Attachment	---
Proof pressure	1.05 MPa {10.7 kgf/cm^2}		

Dimensions



Model No.	S	SS	ZZ	Z
CXSL32-R1033- 10	10	102	132	
CXSL32-R1033- 15	15	107	137	
CXSL32-R1033- 20	20	112	142	
CXSL32-R1033- 25	25	117	147	
CXSL32-R1033- 30	30	122	152	50
CXSL32-R1033- 35	35	127	157	
CXSL32-R1033- 40	40	132	162	
CXSL32-R1033- 45	45	137	167	
CXSL32-R1033- 50	50	142	172	
CXSL32-R1033- 60	60	152	182	
CXSL32-R1033- 70	70	162	192	70
CXSL32-R1033- 75	75	167	197	
CXSL32-R1033- 80	80	172	202	
CXSL32-R1033- 90	90	182	212	
CXSL32-R1033-100	100	192	222	90

Notes

1. This cylinder is of advanced water resistance.
2. Dimension Z in the figure above is shown in the table 1 for every stroke.