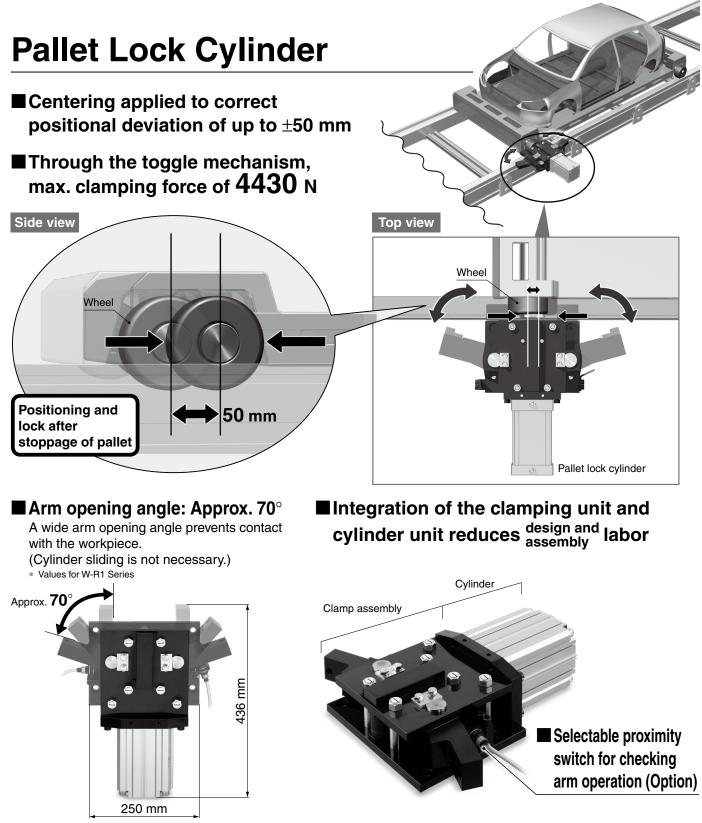
INFORMATION

For post-stoppage positioning and locking of carriers, line pallets, carts, etc.



Selectable when the mass of the transferred object is either 1000 kg or 3000 kg, with consideration given to the impact during positioning





Pallet Lock Cylinder W-R1/W-R3 Series

How to Order



Proximity Switch

В	With mounting bracket (Without proximity switch)
SC	With proximity switch

* For details, refer to the table below.

Specifications

Туре	Type 1	Туре 3		
Mass of transferred object	1000 kg or less	3000 kg or less		
Possible amount of positional correction	±50 mm or less			
Clamping force	4430 N	4070 N		
Operating time	1.0 s or more	0.8 s or more		
Cylinder operation stroke	83.5 mm	140 mm		
Bore size	100 mm			
Cylinder proof pressure	1 MPa			
Max. operating pressure	0.49 MPa Non-lube			
Ambient temperature	5 to 60°C			
Piston rod size	30 mm			
Weight	28 kg	35 kg		

Proximity Switch Specifications/Maker: OMRON Corporation

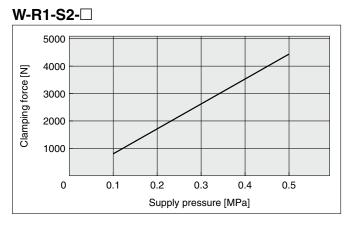
Model	E2E-X7D1-M1J-T10.3M		
Voltage range	10 to 30 VDC {Allowable ripple: 10% or less (P-P)}		
Temperature range	–25 to 70°C (with no freezing or condensation)		
	(with no neezing of condensation)		
Humidity range	35 to 95%RH		
Light	Lights up green when turned ON		
Connector size	M12 x 1		



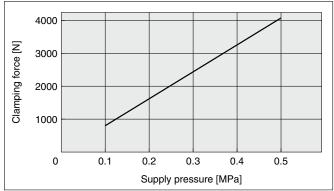
Connector pin arrangement

Tuno	Connector pins and arrangement			
Туре		2	3	4
E2E-X7D1-M1J-T10.3M	—	—	OUT (∓)	OUT (±)

Clamping Force

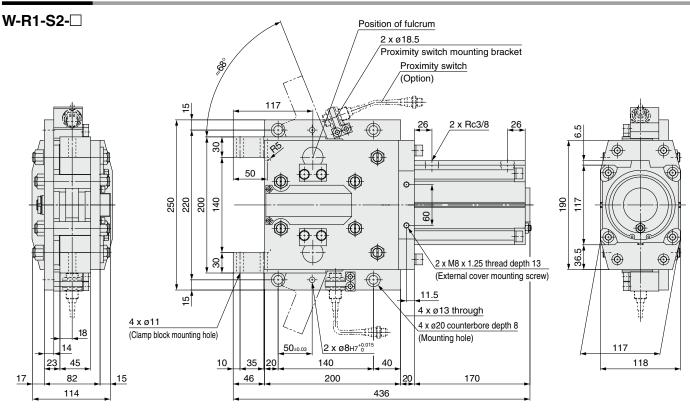


W-R3-S-□

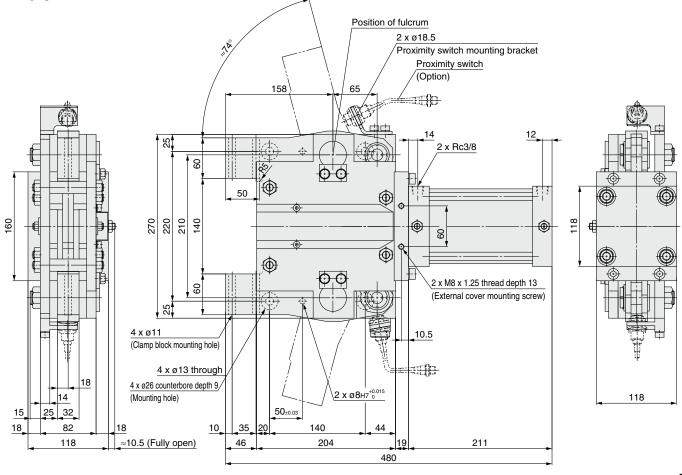


Pallet Lock Cylinder W-R1/W-R3 Series

Dimensions



W-R3-S-



SMC



W-R1/W-R3 Series Specific Product Precautions

Be sure to read this before handling the products. For safety instructions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: http://www.smcworld.com

Handling Precautions

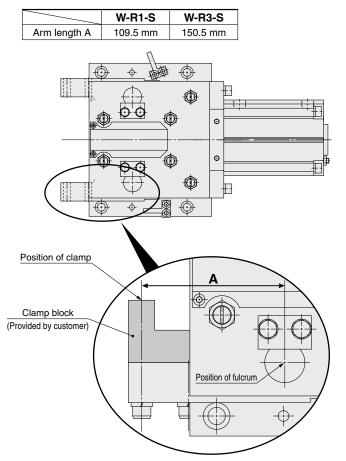
MWarning

1. Affix a safety cover in places where there is a danger of personal injury.

A large gripping force is generated during clamping. If there is a possible pinching hazard, design the structure to avoid contact with the human body.

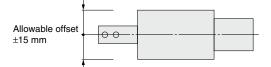
≜Caution

- 1. Avoid using material handling equipment in a way that applies torsion, inertial force, or impact.
- 2. Use the product under air pressure of up to 0.49 MPa.
- 3. Make sure that the clamp arm length is not longer than the lengths shown below.



ACaution

4. Make sure that the offset of the clamping position is within ± 15 mm as shown in the figure below.



A Safety Instructions Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and "Operation Manual" before use.