

AMWF-W

PNEUMATIC CLAMPING LOCATORS

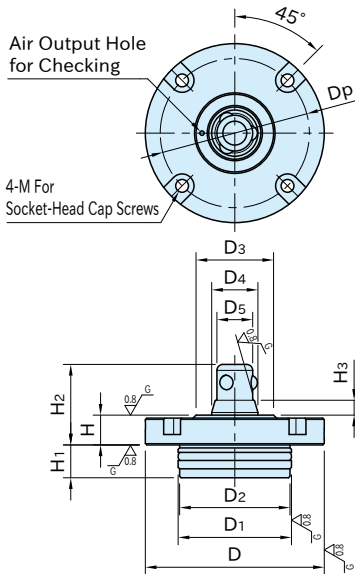


(Tapered Type)

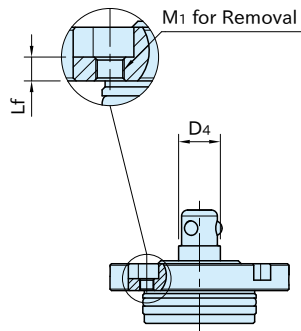


(Straight Type)

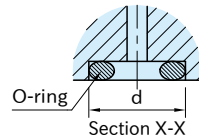
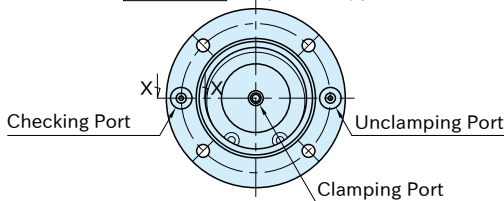
Body	Cylinder	Ball
SCM440 steel Induction hardened Black oxide finished Precision ground	S45C steel Induction hardened Electroless nickel plated	SUS440C stainless steel



AMWF-W-T (Tapered Type)



AMWF-W-S (Straight Type)



Reference

- How To Use PNEUMATIC FLEX LOCATORS
- How To Install PNEUMATIC FLEX LOCATORS

Note

- Use clean air by removing moisture and debris with an air dryer and air filter.
- Impurities in the compressed air can cause malfunction.

Size	D ₁ (g6)	D ₂	H ₁	D	D ₃	H (±0.003)	M	H ₃	D ₅ (^{-0.005} / _{-0.015})	H ₂	Lf	M ₁	Dp	
AMWF-W-T	40	48	47.5	15	70	38	12	M5	8	16	35	5	M6×1 (Drilled Hole φ5.2)	60
AMWF-W-S	50	58	57.5	19	85	48	15	M6	10	20	44	6	M8×1.25(Drilled Hole φ6.8)	72

Size	d	Furnished O-ring	Operating Air Pressure(MPa *)	Clamping Force(kN)
AMWF-W-T	40	7.2	P4	0.5
AMWF-W-S	50	8.2	P5	

Related Product

AMWF-BU LOCATING RECEIVERS

*) At least 0.45 MPa is required for unclamping.
The maximum operating air pressure is 1 MPa.

AMWF-W-T (Tapered Type)

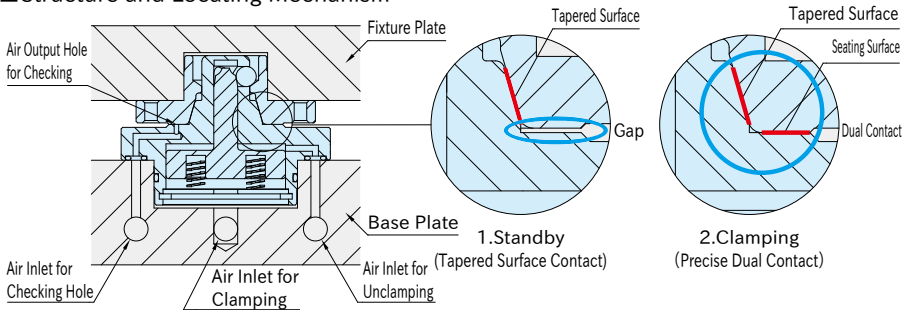
Part Number	D ₄	Weight (g)
AMWF40-W-T	24.5	450
AMWF50-W-T	31.5	820

AMWF-W-S (Straight Type)

Part Number	D ₄	Weight (g)
AMWF40-W-S	20	440
AMWF50-W-S	26	810

Feature

Structure and Locating Mechanism



· When the air pressure is lowered by an air leakage, the wedge mechanism and the spring prevent prompt lowering of the clamping force.

Clamping Force at 0 Mpa Air Pressure (Clamping Force of Spring)

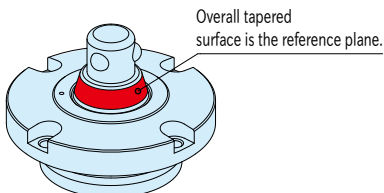
- AMWF40···1.2kN
- AMWF50···1.8kN

· Can check if the fixture plate is clamped properly by applying air through the checking hole.

· Precise dual contact provides excellent locating repeatability at 3 μm.

Functions

Locating with Tapered Type



Clamping with Straight Type

