

AMWF-W

PNEUMATIC FLEX LOCATOR PINS

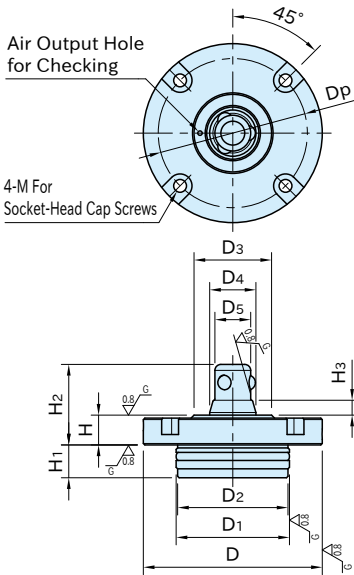


(Tapered Type)

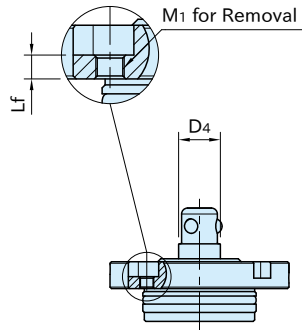


(Straight Type)

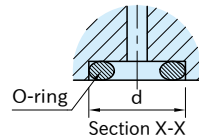
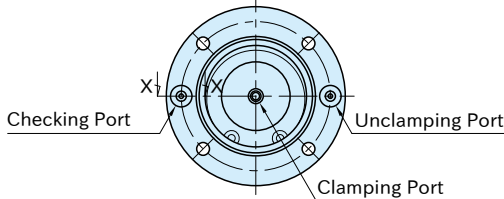
Body	Cylinder	Ball
SCM440 steel Induction hardened Black oxide finished Precision ground	S45C steel Induction hardened Electroless nickel plated	SUS440C stainless steel



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 dust with filter or draining with dryer.
- Impure compressed air may cause malfunction of the products.
- Using lubricator is recommended.

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	L _f	M ₁	D _p
AMWF-W-T	40	48	47.5	15	70	38	M5	8	16	35	5	M6×1 (Drilled Hole φ5.2)	60
AMWF-W-S	50	58	57.5	19	85	48	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	P4	0.5	4
AMWF-W-S	50	P5		6.3

Related Product

AMWF-BU PNEUMATIC FLEX LOCATOR
BUSHINGS

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

AMWF-W-T (Tapered Type)

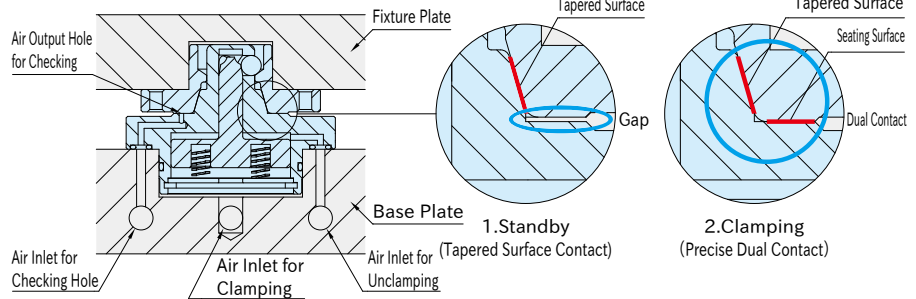
Part Number	D ₄	Weight (g)
AMWF40-W-T	24.5	450
AMWF50-W-T	31.5	820

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)

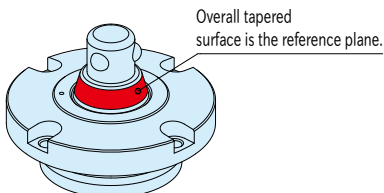
- AMWF40···1.2kN
- AMWF50···1.8kN

· 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

