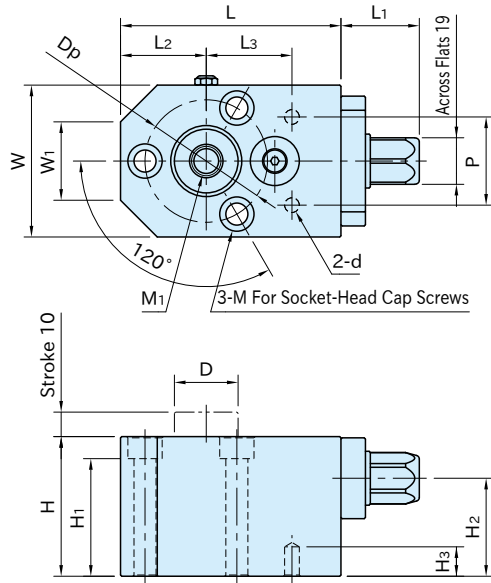


# PTNS1

# NUTRUNNER WORK SUPPORTS



### ★ Key Point

Prevent workpiece vibration and deflection.

| Body                               | Hex. Head / Locking Shaft                                     | Piston  |
|------------------------------------|---|---|
| S50C steel<br>Black oxide finished | SCM435 steel<br>Quenched and tempered<br>Black oxide finished | SK95 steel<br>Quenched and tempered<br>Black oxide finished |

| Part Number     | H  | M <sub>1</sub>   | D  | L   | W  | W <sub>1</sub> | L <sub>1</sub> | M   | D <sub>p</sub> | L <sub>2</sub> | H <sub>1</sub> | H <sub>2</sub> | d |
|-----------------|----|------------------|----|-----|----|----------------|----------------|-----|----------------|----------------|----------------|----------------|---|
| <b>PTNS1-12</b> | 57 | M12×1.75 Depth24 | 26 | 90  | 62 | 32             | 32             | M 8 | 50             | 35             | 48             | 40             | 6 |
| <b>PTNS1-16</b> | 72 | M16×2 Depth32    | 33 | 115 | 75 | 35             | 42             | M10 | 60             | 42             | 61             | 50             | 8 |

| Part Number     | P  | L <sub>3</sub> | H <sub>3</sub> | Allowable Tightening Torque (N·m *) | Support Capacity (kN *) | Piston Spring Force (N) | Weight (kg) |
|-----------------|----|----------------|----------------|-------------------------------------|-------------------------|-------------------------|-------------|
| <b>PTNS1-12</b> | 36 | 35             | 12             | 40                                  | 5                       | 15~30                   | 2.4         |
| <b>PTNS1-16</b> | 48 | 45             | 16             | 80                                  | 10                      | 15~35                   | 4.8         |

\*) To operate with an impact wrench, use less than 50% of the allowable tightening torque and support capacity.

### Supplied With

- PTNS1-12: 2 of parallel pin,  $\phi 6$  (h7) ×20L  
1 of THP12 Protection Plugs For Tapped Holes
- PTNS1-16: 2 of parallel pin,  $\phi 8$  (h7) ×25L  
1 of THP16 Protection Plugs For Tapped Holes

### Reference

- THP12 THP16 PROTECTION PLUGS FOR TAPPED HOLES
- PTRC1 EXTENSION UNITS

## Feature

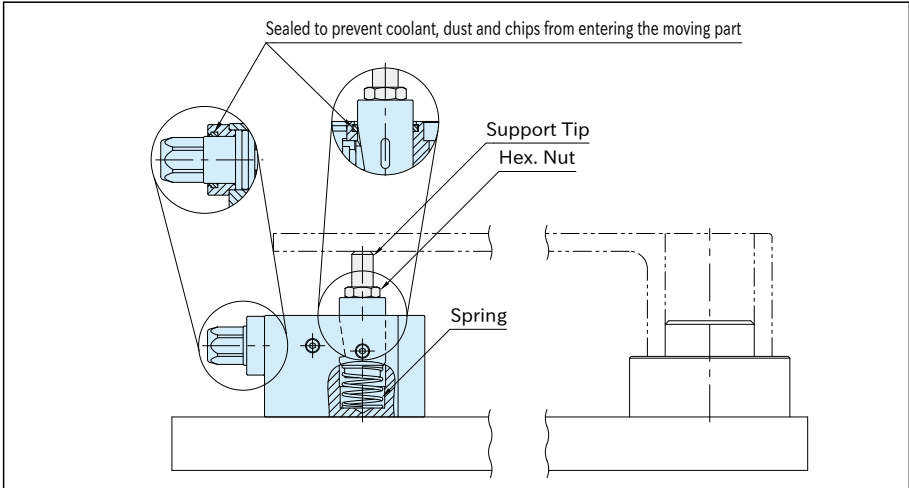
High support capacity allows heavy duty machining.

## Note

- This work support can be operated with an impact wrench. Be sure to use an impact wrench that can set the torque.
- When attaching a support tip to the tapped hole of the piston, keep the piston tightened to prevent damage.

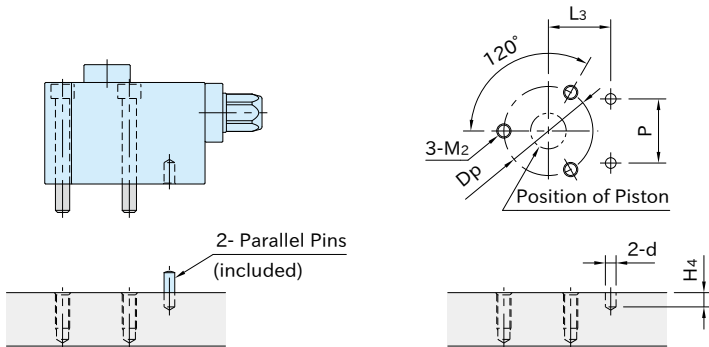
## How To Use

- Ideal for use with a nut runner for automated production line.
- This work support can be also tightened manually.



- Load a workpiece, and the piston lowers. Turn the hex. head to lock the piston.
- Prevent workpiece vibration and deflection.

## Mounting Hole Dimension



| Part Number     | M <sub>2</sub> | D <sub>P</sub> | d<br>(+0.1) | P<br>(±0.05) | L <sub>3</sub><br>(+0.1) | H <sub>4</sub> |
|-----------------|----------------|----------------|-------------|--------------|--------------------------|----------------|
| <b>PTNS1-12</b> | M 8×1.25       | 50             | 6           | 36           | 35                       | 9              |
| <b>PTNS1-16</b> | M10×1.5        | 60             | 8           | 48           | 45                       | 10             |