PTNS1 — NUTRUNNER WORK SUPPORTS

RoHS

IMAO

Across Flats 19

Stroke 10

2-d

M₁ 3-M For Socket-Head Cap Screws
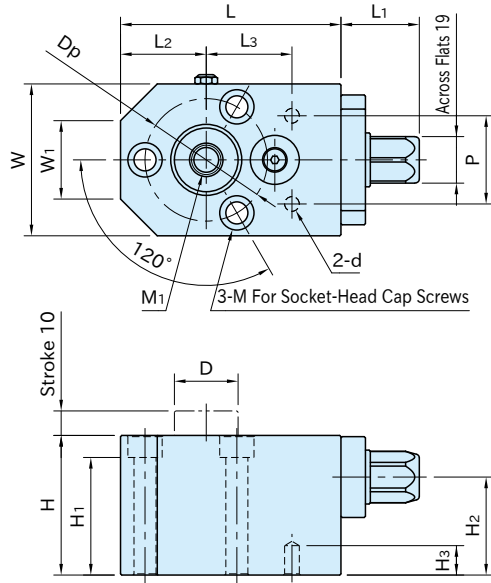
★Key Point
Prevent workpiece vibration and deflection.

	Body	Hex. Head / Locking Shaft	Piston
	S50C steel Black oxide finished	SCM435 steel Quenched and tempered Black oxide finished	SK95 steel Quenched and tempered Black oxide finished

Part Number	H	M₁	D	L	W	W₁	L₁	M	Dp	L₂	H₁	H₂	d
PTNS1-12	57	M12×1.75 Depth24	26	90	62	32	32	M 8	50	35	48	40	6
PTNS1-16	72	M16×2 Depth32	33	115	75	35	42	M10	60	42	61	50	8

Part Number	P	L₃	H₃	Allowable Tightening Torque (N·m) *)	Support Capacity (kN) *)	Piston Spring Force (N)	Weight (kg)
PTNS1-12	36	35	12	40	5	15～30	2.4
PTNS1-16	48	45	16	80	10	15～35	4.8

*) To operate with an impact wrench, use less than 50% of the clamping force and allowable tightening torque. If this product is operated with a nut runner and the nut is turned to the stop on the unclamping side, the tightening torque should be 50% or less of the allowable tightening torque.

Supplied With
·PTNS1-12: 2 of parallel pin, φ6(h7)×20L
          1 of THP12 Protection Plugs For Tapped Holes
·PTNS1-16: 2 of parallel pin, φ8(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.

Sealed to prevent coolant, dust and chips from entering the moving part

Support Tip
Hex. Nut
Spring
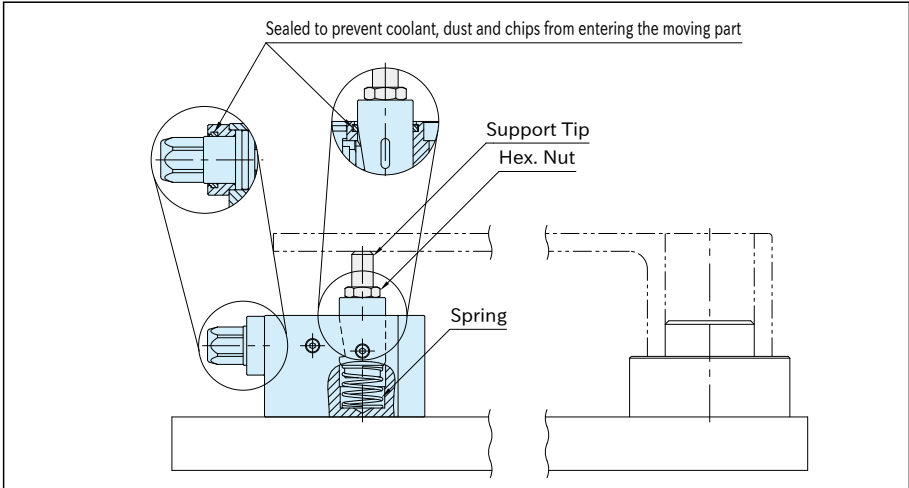
・Load a workpiece, and the piston lowers. Turn the hex. head to lock the piston.
・Prevent workpiece vibration and deflection.

■Mounting Hole Dimension

120°
L_3
3-M_2
Dp
P
Position of Piston

2- Parallel Pins
(included)

2-d
H_4
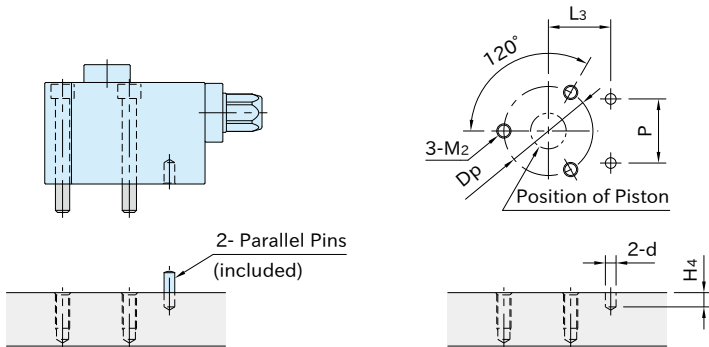
Part Number	M_2	Dp	d $(^{+0.1}_{0})$	P (±0.05)	L_3 $(^{+0.1}_{0})$	H_4
PTNS1-12	M 8×1.25	50	6	36	35	9
PTNS1-16	M10×1.5	60	8	48	45	10