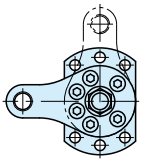
PTSW3 NUTRUNNER SWING CLAMPS

★Key Point

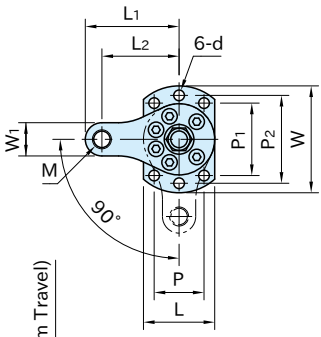
Excellent rigidity by embedding to the plate

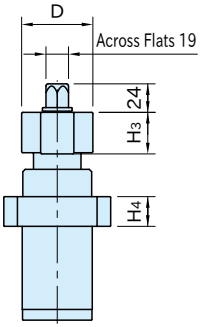
Body	Shaft	Hex. Head	Clamp Arm
S45C steel Black oxide finished	SCM440 steel Quenched and tempered Black oxide finished	SCM435 steel Quenched and tempered Black oxide finished	S45C steel Quenched and tempered Black oxide finished

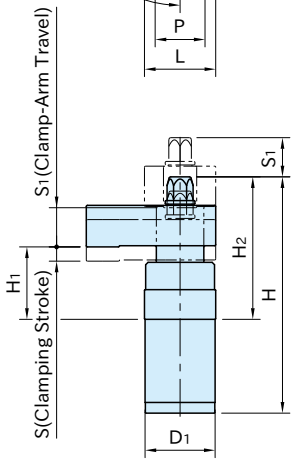
Counterclockwise Clamping



Clockwise Clamping







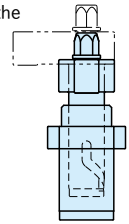
Part Number	Clamping Direction	H_1	S (Clamping Stroke)	S_1 (Clamp-Arm Travel)	M	L_2	L_1	W	L	D_1 $(^{-0.1}_{-0.3})$	H_4	d	P
PTSW3-12R	CW	50	10	25	M12×1.75	55	66	70	50	49	20	6.6	38
PTSW3-12L	CCW												
PTSW3-16R	CW	61	12	33	M16×2	65	79	90	60	59	25	9	42
PTSW3-16L	CCW												

Part Number	P_1	P_2	D	H	H_2	W_1	H_3	Clamping Force (kN) *)	Allowable Tightening Torque (N·m) *)	Weight (kg)
PTSW3-12R	44	58	50	168	104	22	30	6	25	2.3
PTSW3-12L										
PTSW3-16R	61	74	60	199	120	28	35	10	35	4.1
PTSW3-16L										

*) To operate with an impact wrench, use less than 50% of the clamping force and allowable tightening torque.
Note: The clamp arm can be replaced with a custom one of your own design.
Contact us for the dimensions of its mounting section. Note that the clamping force with the custom clamp arm may increase or decrease from the values above.

Feature

The inside spiral groove allows the clamp arm to swing positively.



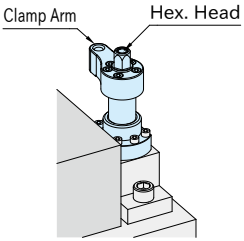
Note

This clamp can be operated with an impact wrench. Use an impact wrench that can set the torque, as the clamp may be damaged if it is used with the tightening torque exceeding the allowable value for a long period of time.

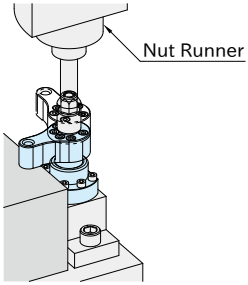
How To Use

Ideal for use with a nut runner for automated production line.

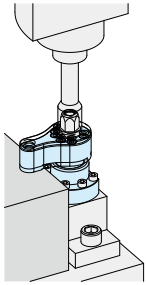
■Operation of CCW Type ※The swing direction of CW type is opposite.



1. Unclamping
Load a workpiece.



2. Travelling
Turn the hex. head with the nut runner and the clamp arm swings to the clamping position.

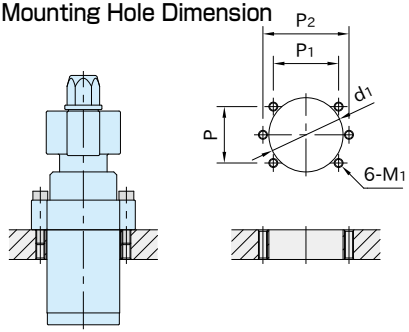


3. Clamping
The clamp arm moves down vertically for clamping. Secure clamping can be done in a few seconds with the nut runner.

Continuing on Next Page

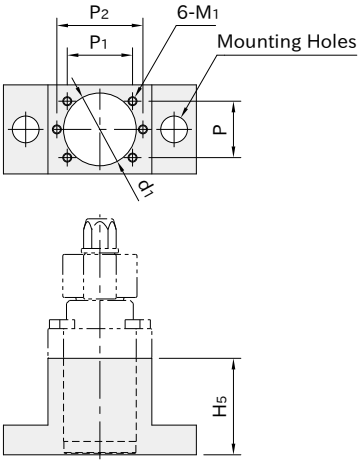
How To Install

■Mounting Hole Dimension



Part Number	d_1 $(^{+0.1}_{0})$	M_1	P	P_1	P_2
PTSW3-12	49	M6×1	38	44	58
PTSW3-16	59	M8×1.25	42	61	74

■Custom Holder Dimension



Part Number	d_1 $(^{+0.1}_{0})$	H_5	M_1	P	P_1	P_2
PTSW3-12	49	65 or more	M6×1	38	44	58
PTSW3-16	59	80 or more	M8×1.25	42	61	74

Recommended Screw Size for Custom Holder
·PTSW3-12 : 2 pcs. of M12
·PTSW3-16 : 2 pcs. of M16