

AMSW-W

COMPACT PNEUMATIC SWING CLAMPS

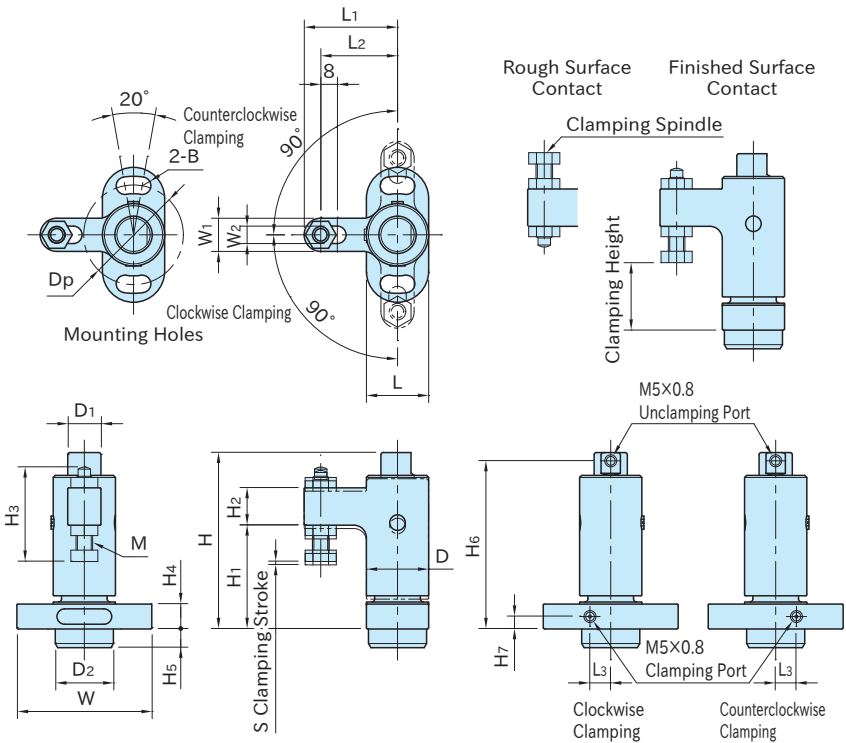
RHS Electroless Nickel Plated

IMAO



Body / Clamp Arm / Piston	Clamping Spindle
SCM440 steel Electroless nickel plated	S45C steel Quenched and tempered Electroless nickel plated

★ **Key Point**
Compact design!



Part Number	Clamping Direction	Clamping Height *)				S	L ₂	L ₁	W	L	H ₄	B	D _p	H	D	W ₁	W ₂	H ₂	H ₁
		Finished Surface Contact		Rough Surface Contact															
		Min.	Max.	Min.	Max.														
AMWSW16R-W	CW	32.5	39	33.5	40	1.2	37	45	65	30	12	8.4	48	85	30	16	8.4	18	50
AMWSW16L-W	CCW																		
AMWSW20R-W	CW	41.5	51	44	53.5	1.6	45	55	85	40	15	10.5	64	106	40	20	10.4	22	65
AMWSW20L-W	CCW																		

Part Number	M	H ₃	D ₁	D ₂	H ₅	L ₃	H ₆	H ₇	Operating Air Pressure (MPa)	Clamping Force (kN **)	Holding Capacity (kN **)	Weight (g)
AMWSW16R-W	M 8×1.25	45.5	16	28	9	10	81	6	0.3~0.7	0.4	0.8	500
AMWSW16L-W												
AMWSW20R-W												
AMWSW20L-W	M10×1.5	57	22	35	11	13	101	8		0.65	1.3	1120

*) Clamping height can be adjusted within this range.

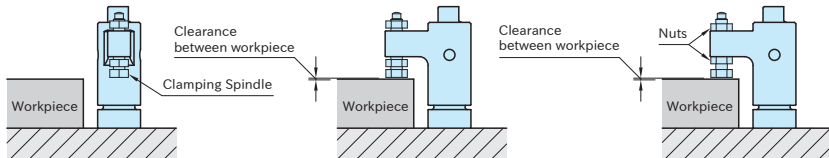
**) The clamping force and the holding capacity above are at 0.5 MPa.

How To Use

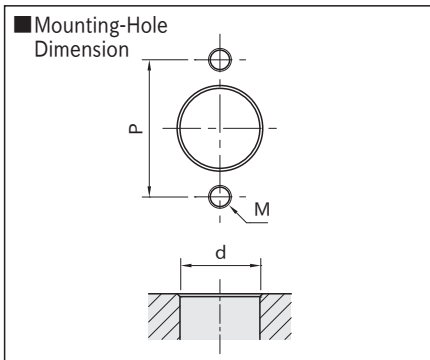
■ Setting Clearance between Workpiece

A clearance between clamping spindle and workpiece should be roughly half of the clamping stroke. The clamp arm swings horizontally.

Follow the steps below to adjust the clamping spindle to create proper clearance.



1. Apply air to the unclamping port with an air blow gun to move the clamp to unclamping position.
2. Rotate the arm manually to straight direction, and create an appropriate clearance to the workpiece. Putting a feeler gauge between the workpiece and the clamping spindle facilitates this setting.
3. Fix the clamping spindle with nuts.



Part No.	d (+0.2/0)	M	P
AMWSW16-W	28	M 8×1.25	48
AMWSW20-W	35	M10×1.5	64

Performance Curve

