PIDHC PNEUMATIC ID HOLDING CLAMP

RoHS Stainless Steel

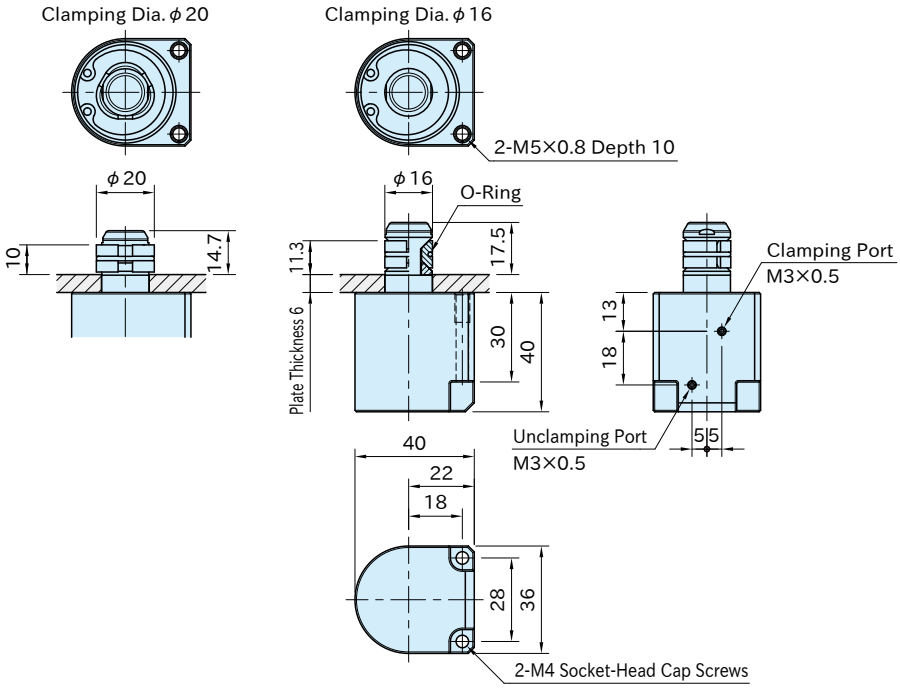
IMAO

(Double Acting)

★Key Point
Holds the internal diameter

Body	Jaw/Washer	Piston
SCS13 stainless steel (Equivalent to SUS304)	SUS630 stainless steel Precipitation hardened	SUS303 stainless steel

Pulling Shaft	Spring	Retaining Ring	Seal
SUS420J2 stainless steel Electroless nickel plated Quenched and tempered	SUS304WPB stainless steel	SUS304 stainless steel	Nitrile rubber (NBR)



Part Number	Recommended Clamping Dia.*)	Operating Air Pressure (MPa)	Holding Force (N) **)	Weight (g)	O-Ring Size for Replacement
PIDHC20-SUS	ϕ16～ϕ20	0.3～0.7	77	336	S12 (CS 1.5/ID 11.5)

*) Maximum Clamping Dia. is ϕ22.
**) The holding force above is with 0.5 MPa air pressure and SUS304 (surface roughness Ra1.6) workpiece.

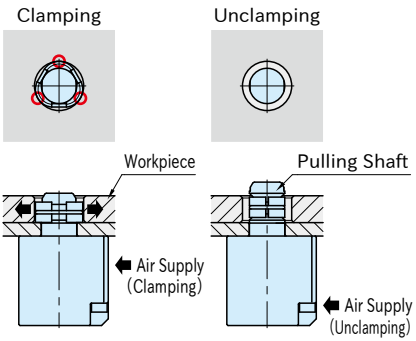
Supplied With

2 of socket-head cap screws(stainless steel), M4×0.7-35L

Note

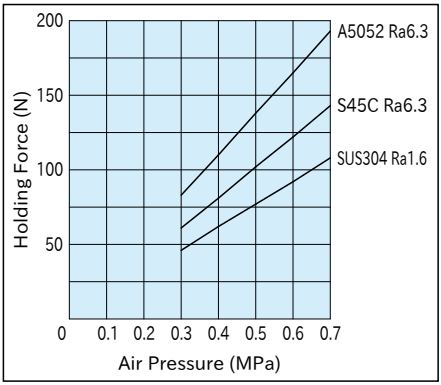
Color difference by the hardening treatment does not affect function or quality of the product.

Feature

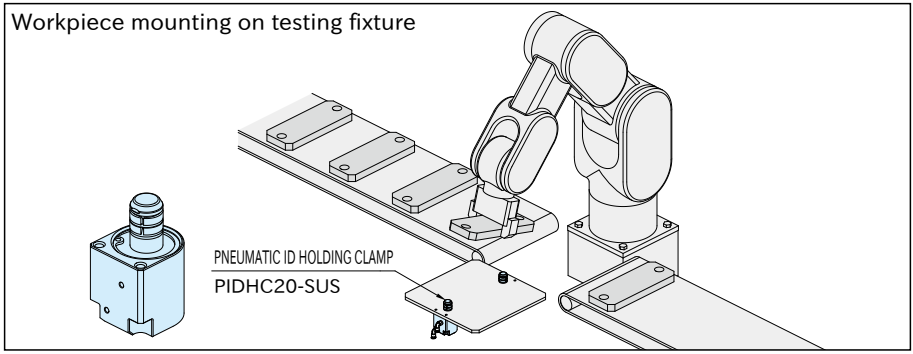


・The pulling shaft goes down by air supply from clamping port and the jaws expand to hold the workpiece.
・The clamp makes a line contact with the workpiece at 3 places.

Performance Curve

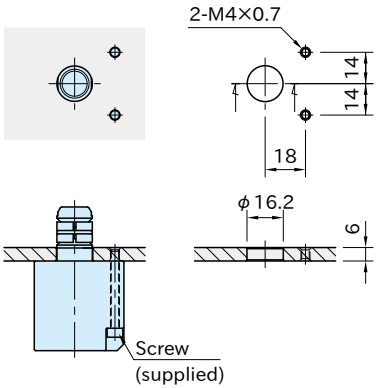


Application Example

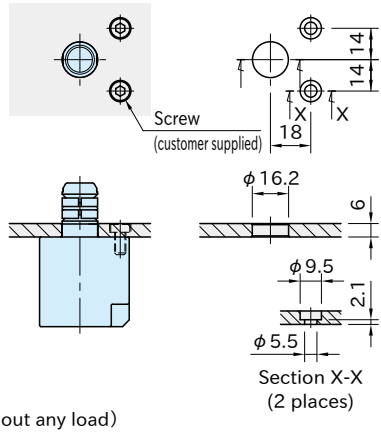


■Hole Preparation

With M4 Socket-Head Cap Screws (supplied)



With M5 Low-Head Cap Screws (customer supplied)
(Dimension: head dia. 8.5, head height 3.5)



■Repeatability

Estimated repeatability is ±0.2 (clamping dia. ϕ20, without any load)