CP160 — CLAMPING MODULES (Hook)

RoHS

IMAO

2-For M Socket-Head Cap Screws
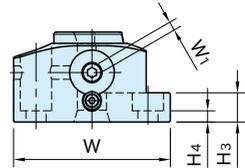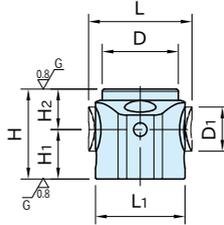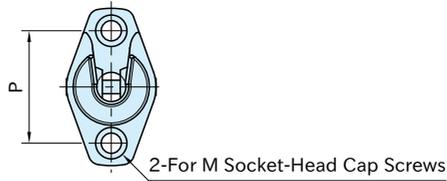
Note: The drawing shows CP160-R. The hex. socket for locking screw (W_1) is on the other side in CP160-L.

Body	Clamping Nut	Locking Screw
SCM440 steel Induction hardened Black oxide finished Precision ground	SCM440 steel Quenched and tempered Black oxide finished	SCM435 steel Quenched and tempered Black oxide finished

Part Number	D	H (±0.01)	D_1	L	H_1	H_2	W	L_1	H_3
CP160-08040R	34	40	20	46	22	18	70	40	13
CP160-08040L	34	40	20	46	22	18	70	40	13
CP160-12063R	52	63	30	69	35	28	100	60	20
CP160-12063L	52	63	30	69	35	28	100	60	20
CP160-16080R	70	80	40	93	44	36	140	80	26
CP160-16080L	70	80	40	93	44	36	140	80	26

Part Number	M	P	H_4	W_1	Clamping Force (kN)	Allowable Screw Torque (N·m)	Weight (kg)
CP160-08040R	M 8	50	5	4	8	8	0.4
CP160-08040L	M 8	50	5	4	8	8	0.4
CP160-12063R	M12	75	8	6	15	22	1.4
CP160-12063L	M12	75	8	6	15	22	1.4
CP160-16080R	M16	100	10	8	25	50	3.2
CP160-16080L	M16	100	10	8	25	50	3.2

Technical Information

Allowable Cutting Force & Workpiece Weight of CLAMPING MODULES (Hook)
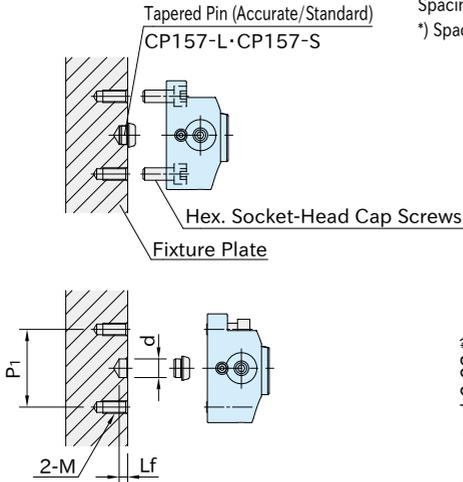
Related Product

· CP157 Tapered Pins
· CP165-LH Tapered Clamping Screws (Hook)
· CP165-L Tapered Clamping Screws
· CP166-H Clamping Screws (Hook)
· CP166 Clamping Screws

· Use CP157-L Tapered Pin (Accurate) for precise locating.
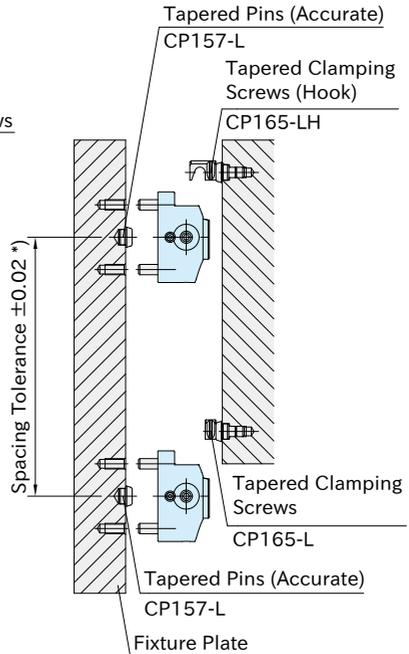· Use CP157-S Tapered Pin (Standard) for rough locating.

■Mounting-Hole Dimension

Tapered Pin (Accurate/Standard)
CP157-L·CP157-S

Hex. Socket-Head Cap Screws

Fixture Plate

P_1

d

2-M   Lf

Size	d (H7)	Lf	M	P_1
CP160-08040	12	5.5	M 8×1.25	50
CP160-12063	18	6.5	M12×1.75	75
CP160-16080	22	8	M16×2	100

Note: The tolerance of dimension "d" for Tapered Pins (Standard) should be $^{+0.1}_{0}$.

■Spacing Tolerance

Spacing tolerance should be ±0.02 for Tapered Pins (Accurate).
*) Spacing tolerance should be ±0.1 for Tapered Pins (Standard).

Tapered Pins (Accurate)
CP157-L

Tapered Clamping
Screws (Hook)
CP165-LH

Spacing Tolerance ±0.02 *)

Tapered Clamping
Screws
CP165-L

Tapered Pins (Accurate)
CP157-L

Fixture Plate

■Layout

Use CP160-R for tightening from right side,
CP160-L for left side.

CP160-R

Right

Left

CP160-L

Workpiece