Iris diaphragm holders that can change the aperture size without changing the center of the aperture. Can be used to change the depth of field in imaging systems. And passing necessary laser beam while blocking optical feedback or stray light in laser experiments.

- You can change the aperture diameter by loosening the adjustment lever and moving it from side to side.
- The scale provides an estimate on the aperture diameter.

Guide

- Unmounted iris diaphragms (IDC/IH) can be purchased. Reference C064
- Post length can be changed by specifying the post length when you place an order. We may charge the difference in price depending on the length. Contact our Sales Division for more information.

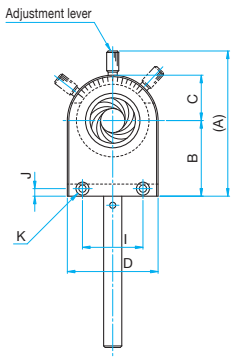
Attention

- Take care when adjusting the lever and handling the iris diaphgragms.
- These parts are not recommended for high power lasers. The heat from the lasers may cause the blades to seize. (recommended max power: CW 500mW or less, pulse 30mJ or less).
- The scale is only a rough guide. There is considerable backlash due to the structure of the iris diaphragm. There may be a difference between the hole diameter of iris diaphragm and the scale.
- The iris diaphragm is a very delicate mechanism.Do not push or pull on the blades.

2D CAD 3D CAD

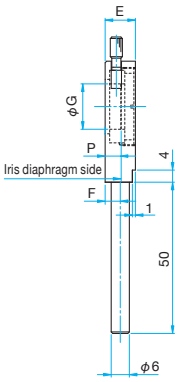
Outline Drawing

IH-R



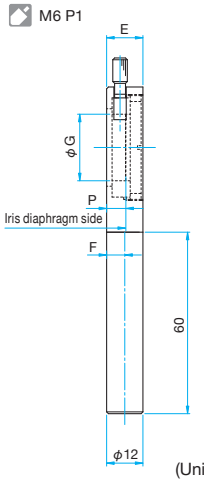
IH-08R/12R/15R

M4 P0.7



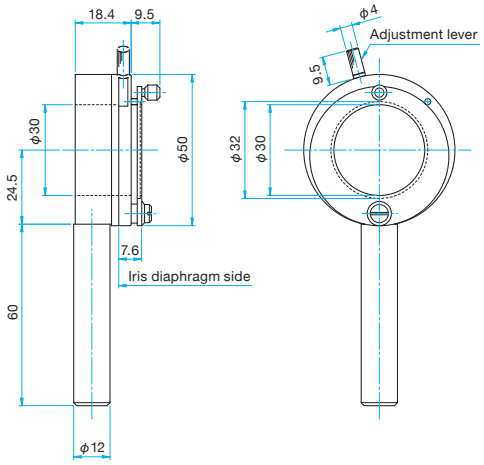
IH-22R/36R/50R

M6 P1



IH-30

M6 P1



(Units: mm)

Part Number	A	B	C	D	E	F	MAX Aperture Diameter φG	I	J	K	P
IH-08R	38.5	20	10	20	10	4.7	φ8	15	2.5	2-φ2.4 mounting hole, φ4.2 counterbore	4.9
IH-12R	41	20	12.5	25	10	5.3	φ12	20	2.5	2-φ2.4 mounting hole, φ4.2 counterbore	5.2
IH-15R	48	25	15	30	10	5	φ15	20	2.5	2-φ2.4 mounting hole, φ4.2 counterbore	5.2
IH-22R	57.5	30	19	38	12	6	φ22	28	10	2-φ4.5 mounting hole, φ8 counterbore	6.2
IH-36R	75	35	30	60	12	6.4	φ36	44	10	2-φ4.5 mounting hole, φ8 counterbore	6.9
IH-50R	95	45	40	80	14	7.4	φ50	60	10	2-φ4.5 mounting hole, φ8 counterbore	7.9

φ8 – φ50 — Primary material: Aluminum, Finish: Black Anodized

Part Number	Options specified*	Aperture Diameter MAX [mm]	Aperture Diameter MIN [mm]	Weight [kg]
IH-08R	**N**	φ8	φ0.7	0.03
IH-12R	**N**	φ12	φ0.8	0.03
IH-15R	**N**	φ15	φ0.9	0.09
IH-22R	**N/EE/UU**	φ22	φ0.9	0.10
IH-36R	**N/EE/UU**	φ36	φ1.3	0.15
IH-50R	**N/EE/UU**	φ50	φ1.5	0.20

* For specifying options, please refer to "Conversion of Posts, Post Holders and Pedestal Bases of Holders". Reference C007

φ30 — Primary material: Aluminum, Finish: Black Anodized

Part Number	Aperture Diameter MAX [mm]	Aperture Diameter MIN [mm]	Weight [kg]
IH-30	φ30	φ1	0.12