

Iris Diaphragm | IDC/IH-30N

RoHS

Catalog
Code

W4040

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Iris diaphragm holders that can change the aperture size without changing the center of the aperture. Primarily used in the limited spaces of optical instruments to set an aperture size.

- Unmounted iris diaphragms are ideal for OEM applications or for use when space is a premium.
- The IDC series's thinness allows optics to be placed closed to each other..
- The adjustment lever also functions as a lock to fix the aperture diameter.



Guide

- Iris diaphragm holders (IH-30/IH-R) which can be fixed to the post holder are also available. [Reference](#) C063
- Fixed pinholes (PA) with hole diameter 400µm or less are also available. [Reference](#) C061

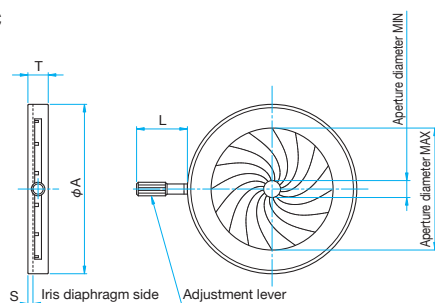
Attention

- Take care when adjusting the lever and handling the iris diaphragms.
- The iris diaphragm is a very delicate mechanism. Do not push or pull on the blades.
- 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 iris diaphragm does not have a scale. Use the iris diaphragm holder when a scale is needed.

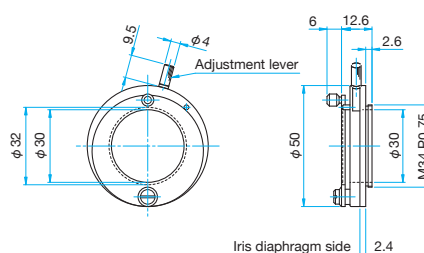


Outline Drawing

IDC



IH-30N



Part Number	ϕA [mm]	T [mm]	L [mm]	S [mm]
IDC-000	$\phi 14.8$	4.5	11	1.30
IDC-001	$\phi 19.8$	5	11	1.25
IDC-003	$\phi 24$	5	11	1.45
IDC-009	$\phi 33$	5.5	11	1.43
IDC-017	$\phi 50$	6	15	1.60
IDC-025	$\phi 70$	7.5	15	2.05

$\phi 8 - \phi 50$		Primary material: Aluminum Finish: Black Anodized		
Part Number	Aperture Diameter MAX [mm]	MIN [mm]	Number of Blades [blades]	Weight [kg]
IDC-000	$\phi 8$	$\phi 0.7$	9	0.003
IDC-001	$\phi 12$	$\phi 0.8$	11	0.005
IDC-003	$\phi 15$	$\phi 0.9$	12	0.007
IDC-009	$\phi 22$	$\phi 0.9$	14	0.012
IDC-017	$\phi 36$	$\phi 1.3$	16	0.024
IDC-025	$\phi 50$	$\phi 1.5$	16	0.062

$\phi 30$		Primary material: Aluminum Finish: Black Anodized		
Part Number	Aperture Diameter MAX [mm]	MIN [mm]	Number of Blades [blades]	Weight [kg]
IH-30N	$\phi 30$	$\phi 1$	10	0.03