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## 12mm Max. Aperture, Mounted Iris Diaphragm



30.8mm Outer Diameter, Mounted Iris Diaphragm, #53-914

Stock **#53-914** **20+ In Stock**

⊖ 1 ⊕ €57.<sup>00</sup>

**ADD TO CART**

### Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1-4    | €57,00 each                   |
| Qty 5-9    | €50,50 each                   |
| Qty 10-25  | €46,80 each                   |
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Mounted **Type:**

### Physical & Mechanical Properties

12.0 **Maximum Aperture (mm):**

**Outer Diameter (mm):**

**Construction:**  
 Blackened Brass Housing, Stainless Steel Leaves,  
 Stainless Steel Pin Actuators, Black Anodized  
 Aluminum Mount

**Inner Diameter (mm):**  
 19.80

**Lever Diameter (mm):**  
 3.00

**Lever Length (mm):**  
 12.00

**Thickness (mm):**  
 6.35

## Optical Properties

**Minimum Aperture (mm):**  
 0.8

## Threading & Mounting

**Mounting Threads:**  
 8-32

**Set Screw Thread:**  
 4-40

## Regulatory Compliance

**RoHS 2015:**  
[Exempt](#)

**Certificate of Conformance:**  
[View](#)

**Reach 235:**  
[Contains SVHC\(s\)](#)

## Product Details

- Used to Adjust  $f\#$ , Field Stop Diameter, and Overall Light Throughput
- Mounted Version Features a Tapped Hole for Post Mounting
- Abundant Types for Varying Applications

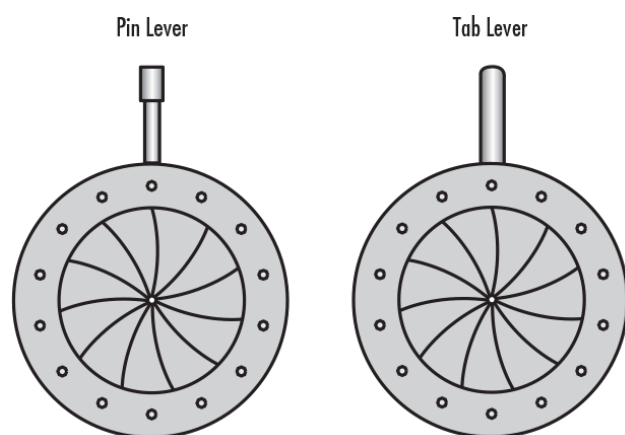
Standard Series Iris Diaphragms can provide control of system  $f\#$  ( $f\#$  = focal length/effective diameter), field stop diameter, and overall energy throughput when incorporated into standard optical systems. It should be noted that the location of the iris is critical to how it will affect the system. All of these diaphragms offer exceptionally smooth operation over the lever travel, from maximum to minimum aperture (approximately  $90^\circ$ ). Mounted versions of these diaphragms feature a tapped hole for easy post mounting. Standard Series Iris Diaphragms have blued spring steel leave construction and black housing finish with lever actuators that are available in two styles: stainless steel "pin" or plastic "tab." These diaphragms are specifically designed for OEM integration and general laboratory use.

For specific OEM application assistance, please contact our [Applications Engineering Department](#).

**Note:** [Iris Diaphragm Mounts](#) sold separately.

## Technical Information

### Types of Levers



| Outside Diameter A | Maximum Aperture B | Minimum Aperture C | Thickness D | Stock No.               |
|--------------------|--------------------|--------------------|-------------|-------------------------|
| 10.0               | 5.0                | 0.60               | 4.50        | <a href="#">#54-352</a> |
| 14.8               | 8.00               | 0.80               | 4.50        | <a href="#">#32-623</a> |
| 15.5               | 8.50               | 1.00               | 5.30        | <a href="#">#42-124</a> |
| 19.8               | 12.0               | 0.80               | 5.0         | <a href="#">#30-263</a> |
| 22.0               | 14.0               | 1.0                | 6.0         | <a href="#">#42-123</a> |
| 24.0               | 15.0               | 1.2                | 5.0         | <a href="#">#32-622</a> |
| 28.0               | 18.0               | 1.2                | 5.0         | <a href="#">#32-621</a> |
| 30.0               | 20.0               | 1.2                | 5.5         | <a href="#">#35-111</a> |

|       |       |      |      |         |
|-------|-------|------|------|---------|
| 31.0  | 18.0  | 1.5  | 6.5  | #36-623 |
| 33.0  | 22.0  | 1.4  | 5.5  | #32-620 |
| 37.0  | 25.0  | 0.8  | 5.5  | #35-110 |
| 40.0  | 28.0  | 1.5  | 5.5  | #42-122 |
| 42.0  | 42.6  | 1.2  | 5.8  | #40-997 |
| 42.0  | 30.0  | 1.5  | 6.0  | #64-500 |
| 48.0  | 48.0  | 1.2  | 6.8  | #40-998 |
| 48.5  | 30.0  | 1.2  | 7.0  | #42-121 |
| 49.0  | 34.0  | 1.5  | 6.5  | #41-972 |
| 50.0  | 36.0  | 1.9  | 6.0  | #32-619 |
| 53.0  | 37.0  | 1.9  | 6.0  | #32-618 |
| 55.0  | 41.0  | 2.0  | 6.5  | #41-973 |
| 58.0  | 42.0  | 2.0  | 6.5  | #30-118 |
| 60.0  | 40.0  | 2.5  | 7.8  | #36-624 |
| 70.0  | 50.0  | 2.5  | 7.5  | #32-617 |
| 77.0  | 59.0  | 7.0  | 8.0  | #32-616 |
| 80.0  | 58.0  | 3.0  | 8.0  | #32-615 |
| 82.0  | 60.0  | 4.0  | 10.1 | #36-625 |
| 92.0  | 70.0  | 4.5  | 9.0  | #32-614 |
| 100.0 | 75.0  | 4.5  | 9.0  | #30-264 |
| 110.0 | 80.5  | 4.5  | 10.0 | #32-613 |
| 120.0 | 90.0  | 5.0  | 12.0 | #32-612 |
| 130.0 | 98.0  | 5.0  | 12.0 | #32-611 |
| 140.0 | 104.0 | 5.0  | 11.0 | #32-610 |
| 150.0 | 110.0 | 6.0  | 13.0 | #60-644 |
| 165.0 | 120.0 | 6.0  | 15.0 | #32-609 |
| 180.0 | 138.0 | 11.5 | 13.0 | #32-608 |
| 208.0 | 158.0 | 11.0 | 16.0 | #70-894 |
| 300.0 | 225.0 | 12.0 | 19.0 | #70-895 |

