

1/4-20 Female and M6 x 1.0 Male



Stock #53-927 **20+ In Stock**

- 1 + \$13^{.65}

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Volume Pricing

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| Qty 1-9 | \$13.65 each |
| Qty 10-24 | \$12.25 each |
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Product Downloads

General

English/Metric **Type:**

Physical & Mechanical Properties

9.50 **Diameter (mm):**

0.375 **Diameter (inches):**

0.38 **Length excluding Threads (inches):**

Length excluding Threads (mm):
9.70

Total Length (inches):
0.63

Total Length (mm):
16

Threading & Mounting

Mounting Threads:
Male: M6 x 1.0
Female: 1/4-20

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

REACH 241:
[Compliant](#)

Product Details

- Male to Female Thread Design
- Ideal for Mating Optical Mounts and Components
- For use with 1/4-20 or M6 Breadboard Applications

Thread-To-Thread Adapters are key components when building a Benchtop Optical System. Optomechanic components feature a wide range of threads, so these adapters are an important addition to any optical lab space. M6 to 1/4"-20 adapters are used to change between English and metric configurations whereas 8-32 to 1/4"-20 adapters and Thread-To-Thread Adapters for M16 x 1.0 threaded components are ideal for a variety of mounting systems including our [Leadscrew Drive Stages](#) and [Metric Rotary Stages](#). For male to male thread adapters designed for out [TECHSPEC® Optical Mounting Posts](#), please use [TECHSPEC® Thread Adapters](#).

Thread-to-thread adapters offer versatile connection solutions for seamlessly integrating English, Metric, or mixed-thread components within optical assemblies. These adapters are constructed for durability and accommodate a range of mounting requirements, from lightweight setups to more robust mechanical stages. Whether adapting between 8-32, 1/4"-20, M6, or M16 threads, they simplify system modifications and ensure stability for demanding benchtop configurations. They are ideal for both prototyping and permanent installations where adaptability and mechanical integrity are critical.

FAQ(s)

What materials are used in the Thread-to-Thread Adapters?

The adapters are made from precision-machined metals to ensure durability, stability, and long-term mechanical performance in optical systems.

Can I adapt between Metric and English thread types?

Yes, adapters such as M6 x 1.0 to 1/4"-20 allow seamless integration between Metric and English thread standards in optical setups.

Are these adapters compatible with high-load applications?

Yes, they are designed to maintain strong, reliable connections, suitable for both lightweight optics and heavier mechanical stage assemblies.

How critical are these adapters for building flexible optical systems?

Thread adapters are essential for expanding system compatibility, allowing users to repurpose or upgrade optical setups without major redesigns.

Technical Information

| A - Female Thread | B - Male Thread | C | D | E | Stock No. |
|-------------------|-----------------|--------|-------|-------|-------------------------|
| 1/4-20 x 0.25"L | M6-1.0 x 0.25"L | 0.375" | 0.38" | 0.63" | #53-927 |
| M6-1.0 x 0.25"L | 1/4-20 x 0.25"L | 0.375" | 0.38" | 0.63" | #53-928 |
| 8-32 x 0.2"L | 1/4-20 x 0.25"L | 0.250" | 0.33" | 0.58" | #53-929 |
| 1/4-20 x 0.25"L | 8-32 x 0.2"L | 0.375" | 0.38" | 0.58" | #53-930 |
| M16-1.0 x 0.25"L | M6-1.0 x 0.25"L | 30mm | 10mm | 15mm | #55-453 |
| M6-1.0 x 0.2"L | M16-1.0 x 0.2"L | 20mm | 6mm | 11mm | #55-036 |
| M16-1.0 x 0.2"L | 1/4-20 x 0.2"L | 20mm | 12mm | 17mm | #55-208 |

