

## M6 x 1.0 Female to M16 x 1.0 Male



Stock **#55-036** [CONTACT US](#)

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1

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### SPECIFICATIONS

General

Metric

Type:

Physical & Mechanical Properties

Total Length (mm):

|       |                                    |
|-------|------------------------------------|
| 6.00  | Length excluding Threads (mm):     |
| 0.43  | Total Length (inches):             |
| 0.236 | Length excluding Threads (inches): |
| 0.787 | Diameter (inches):                 |
| 20.00 | Diameter (mm):                     |

Threading & Mounting

|                                     |                   |
|-------------------------------------|-------------------|
| Male: M16 x 1.0<br>Female: M6 x 1.0 | Mounting Threads: |
|-------------------------------------|-------------------|

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | REACH 241:                  |

PRODUCT DETAILS

• Male to Female Thread Design

• Ideal for Mating Optical Mounts and Components

• For use with ¼-20 or M6 Breadboard Applications

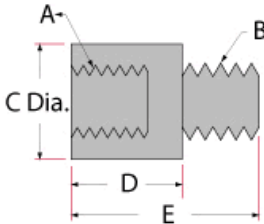
Thread-To-Thread Adapters are key components when building a Benchtop Optical System. Optomechanic components feature a wide range of threads, so these adapters are an important addition to any optical lab space. M6 to 1/4"-20 adapters are used to change between English and metric configurations whereas 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.               |
|--------------------------------------------------------------------------------------|-----------------|--------|-------|-------|-------------------------|
| ¼-20 x 0.25"L                                                                        | M6-1.0 x 0.25"L | 0.375" | 0.38" | 0.63" | <a href="#">#53-927</a> |
| M6-1.0 x 0.25"L                                                                      | ¼-20 x 0.25"L   | 0.375" | 0.38" | 0.63" | <a href="#">#53-928</a> |
| 8-32 x 0.2"L                                                                         | ¼-20 x 0.25"L   | 0.250" | 0.33" | 0.58" | <a href="#">#53-929</a> |
| ¼-20 x 0.25"L                                                                        | 8-32 x 0.2"L    | 0.375" | 0.38" | 0.58" | <a href="#">#53-930</a> |
| M16-1.0 x 0.25"L                                                                     | M6-1.0 x 0.25"L | 30mm   | 10mm  | 15mm  | <a href="#">#55-453</a> |
| M6-1.0 x 0.2"L                                                                       | M16-1.0 x 0.2"L | 20mm   | 6mm   | 11mm  | <a href="#">#55-036</a> |
| M16-1.0 x 0.2"L                                                                      | ¼-20 x 0.2"L    | 20mm   | 12mm  | 17mm  | <a href="#">#55-208</a> |
|  |                 |        |       |       |                         |