

## M6 x 1.0 Female to M16 x 1.0 Male



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### SPECIFICATIONS

#### General

Type:

Metric

#### Physical & Mechanical Properties

Total Length (mm):

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

## Threading & Mounting

### Mounting Threads:

Male: M16 x 1.0  
Female: M6 x 1.0

## Regulatory Compliance

### RoHS 2015:

Compliant

### Certificate of Conformance:

[View](#)

### REACH 2014:

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 our [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"	<a href="#">#53-927</a>
M6-1.0 x 0.25" L	1/4-20 x 0.25" L	0.375"	0.38"	0.63"	<a href="#">#53-928</a>
8-32 x 0.2" L	1/4-20 x 0.25" L	0.250"	0.33"	0.58"	<a href="#">#53-929</a>
1/4-20 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	1/4-20 x 0.2" L	20mm	12mm	17mm	<a href="#">#55-208</a>

