

M16 x 1.0 Female to M6 x 1.0 Male



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1

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SPECIFICATIONS

General

Metric

Type:

Physical & Mechanical Properties

15

Total Length (mm):

10.00	Length excluding Threads (mm):
0.59	Total Length (inches):
0.394	Length excluding Threads (inches):
1.181	Diameter (inches):
30.00	Diameter (mm):

Threading & Mounting

Male: M6 x 1.0 Female: M16 x 1.0	Mounting Threads:
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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 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
					