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M6 x 1.0 Female to M16 x 1.0 Male

Stock **#55-036** **20+ In Stock**

- 1 + **C$28.70**

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Volume Pricing	
Qty 1-9	**C$28.70** each
Qty 10-24	**C$25.83** each
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General

Type:
Metric

Physical & Mechanical Properties

Diameter (mm):
20.00

Diameter (inches):
0.787

Length excluding Threads (inches):
0.236

Length excluding Threads (mm):
6.00

Total Length (inches):
0.43

Total Length (mm):
11

Threading & Mounting

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

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 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"	#53-927
M6-1.0 x 0.25"L	¼-20 x 0.25"L	0.375"	0.38"	0.63"	#53-928
8-32 x 0.2"L	¼-20 x 0.25"L	0.250"	0.33"	0.58"	#53-929
¼-20 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	¼-20 x 0.2"L	20mm	12mm	17mm	#55-208

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