

## Optomechanics

Mounting Basics

Optical Rails

Mirror Mounts

Lens Mounts

Filter Mounts

Rotation Mounts

Adapters

V-Mounts

Apertures & Iris Diaphragms

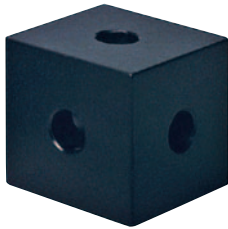
Lens Tubes

Cage Systems

### 1" Construction Cubes

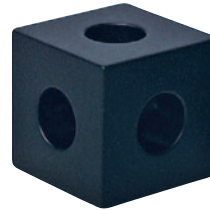
The RM1G cube is designed to allow enclosures to be built from our XE25 Structural Rails. We recommend the use of our low-profile socket head cap screws detailed in the price box below. These screws provide enough clearance to allow three simultaneous connections as shown in the photograph to the right.

The RM1F cube is machined from a solid block of aluminum with all six sides held parallel to within  $\pm 0.002"$ . Each face has a series of 1/4"-20 (M6) mounting holes. These components are ideal as general purpose building blocks that can be used with hundreds of our other mechanical products.



**RM1F**  
All 1/4"-20 (M6) Taps

**RM1G**  
Counterbored Clearance Holes for Low Profile 1/4"-20 (M6) Screws  
Requires SH25LP38 or Metric SH6M10LP Low Profile Screws  
See Price Box



- Construction Cubes are Great General Purpose Building Blocks
- Build Rigid 3D Structures With These 1" Square Construction Cubes

ITEM#	METRIC ITEM#	\$	£	€	RMB	DESCRIPTION
RM1F	RM1F/M	\$ 13.40	£ 8.40	€ 12.50	¥ 128.00	1" Construction Cube, Tapped Holes
RM1G	RM1G*	\$ 13.10	£ 8.30	€ 12.20	¥ 125.10	1" Construction Cube, Clearance Holes
SH25LP38	SH25LP38*	\$ 21.60	£ 13.60	€ 20.10	¥ 206.30	Low-Profile 1/4"-20 Channel Screws (100/box)
SH6M10LP*	SH6M10LP	\$ 21.60	£ 13.60	€ 20.10	¥ 206.30	Low-Profile M6 Channel Screws (100/box)

\* Universal Design is Imperial and Metric Compatible.

### 3-Way Cube



**XE25W3**  
Requires SH6M10LP or SH25LP38 (Channel Screws)

#### Please Note:

While these corner cubes provide excellent results when building enclosures, they are not recommended for building optical support structures. For optical structures, please use either the building technique shown on page 118 or one of the RM1 Series corner cubes above. Use the XE25A90 angle bracket to strengthen corners.

- Build Enclosures Using These Time Saving Corner Cubes
- Combine With Our Pre-Cut XE25 Rails to Eliminate All Machining
- High-Strength Reinforced Plastic

#### APPLICATION IDEA



ITEM#	\$	£	€	RMB	DESCRIPTION
XE25W3*	\$ 3.50	£ 2.20	€ 3.30	¥ 33.40	3-Way Corner Cube (Universal)
SH6M10LP*	\$ 21.60	£ 13.60	€ 20.10	¥ 206.30	M6-1.0 Channel Screws (100/box)
SH25LP38*	\$ 21.60	£ 13.60	€ 20.10	¥ 206.30	1/4"-20 Channel Screws (100/box)

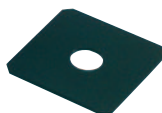
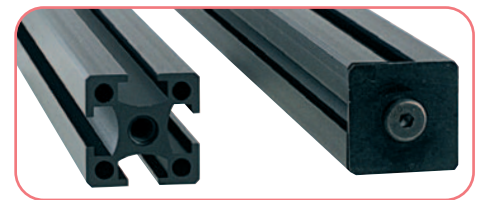
\*These are special low-profile cap screws.

### Extrusion Cover

These cover plates are designed to cover any exposed extrusion ends. A single low profile socket head screw is recommended (see price box below) for attaching the cover plate.



Channel Screws Sold Separately



**XE25C**

ITEM#	\$	£	€	RMB	DESCRIPTION
XE25C*	\$ 2.00	£ 1.30	€ 1.90	¥ 19.10	XE25 Universal Cover Plate
SH25LP38*	\$ 21.60	£ 13.60	€ 20.10	¥ 206.30	1/4"-20 Channel Screws (100/box)
SH6M10LP*	\$ 21.60	£ 13.60	€ 20.10	¥ 206.30	M6-1.0 Channel Screws (100/box)

\*Universal Design is Imperial and Metric Compatible