Shutters and Adapters

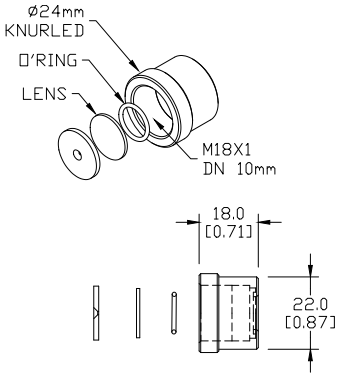
Shutters for M18 (18mm) Through-beam Sensors (SSE / SSR)

- Reduces the emitted beam, allowing the detection of small targets
- Shutter consists of an aluminum cap and aperture with an O-ring and glass lens, which can screw onto the optical head of either the emitter or receiver

Sensing Distance (When Used with SSE / SSR Model Photoelectric Switches)						
Model	**ST0S1**	**ST0S2**	**ST0S3**	**ST0S4**	**ST0S6**	**ST0S8**
Price	$16.00	$16.00	$16.00	$16.00	$16.00	$16.00
Ø x shutter (mm)	1	2	3	4	6	8
Distance (m) Object (mm)	N/A	N/A	N/A	1.5 2	3.5 3	6.5 4

Table shows sensing distance and minimal detectable object.

Dimensions
mm [inches]



Shutter Accessory for QM Series Sensors				
Part Number	**Price**	**Drawing Link**	**Description**	**Weight [lb]**
STQM0	$6.00	PDF	Micro Detectors shutter, plastic. Package of 2. For use with through beam QM series photoelectric sensors. Vertical and horizontal diaphragms (0.5, 1, 2mm) included.	0.1

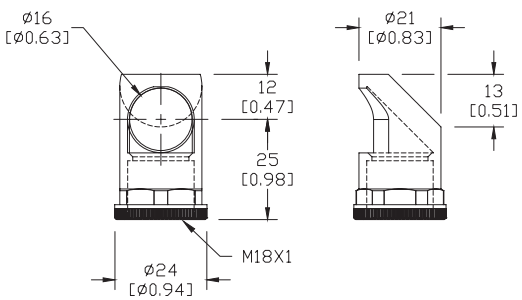
Shutter STQM0 Sensing Distances			
Shutter Size	0.5 mm	1mm	2mm
Maximum Sensing Distance	1.5 m	2 m	4.5 m
Minimum Detectable Object Diameter	0.8 mm	1.5 mm	2.5 mm

Note: With shutters on emitter and receiver in same vertical or horizontal orientation.

Right-angle M18 (18 mm) Beam Adapter

For use with M18 retroreflective and through-beam photoelectric switches (not for use with diffuse reflection sensors). Allows 90° light detection using an internal mirror set at 45° to the optical axis. Sensitivity loss is about 20-30%.

ST03

Beam Adapters			
Part Number	**Price**	**Description**	**Weight [lb]**
ST03	$16.00	Micro Detectors right-angle beam adapter, for use with 18mm sensors (except diffuse reflection models), mirror allows 90 degree light detection.	0.06

Dimensions
mm [inches]