

Model UWG18-.. 18 mm Wave Guide Accessory

Ultrasonic Wave Guide for Sensors with 18 mm Threaded Barrel

Features



- Attaches to threaded barrel of Banner S18U or QS18U ultrasonic sensors
- Focuses the ultrasonic sensing beam to access and detect the depth of small openings
- Choice of two sizes: 5.0 mm or 6.4 mm barrel inside diameter
- Excellent for sensing small objects or for detecting edges on sheet metal

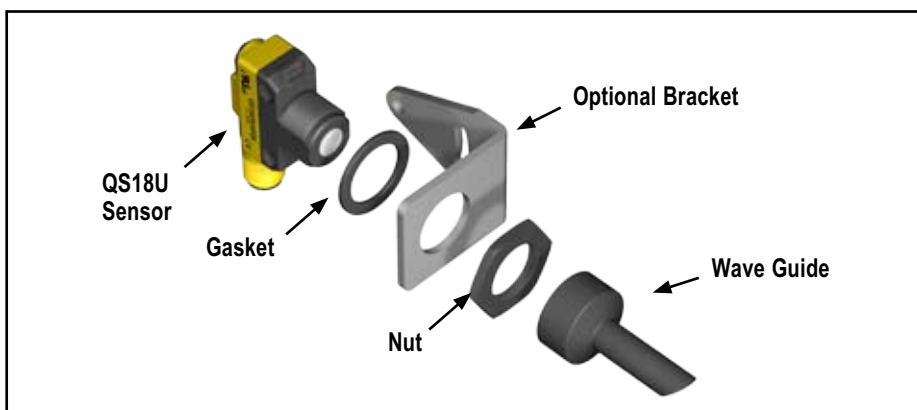
Models

UWG18-5.0	5.0 mm inside dia. barrel
UWG18-6.4	6.4 mm inside dia. barrel

Installation

Thread the wave guide accessory onto the sensor's 18 mm barrel until snug (sensor face is in contact with gasket). Continue to tighten wave guide until the bevel faces downward (to prevent the collection of debris inside the opening). For high-vibration applications, application of a small amount of thread-locking material is recommended.

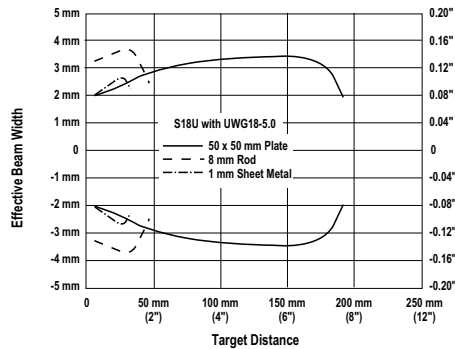
Also included with the accessory is a slender threaded plastic nut. For sensors that will be barrel-mounted, use this nut for mounting the sensor, then mount the wave guide as described above.



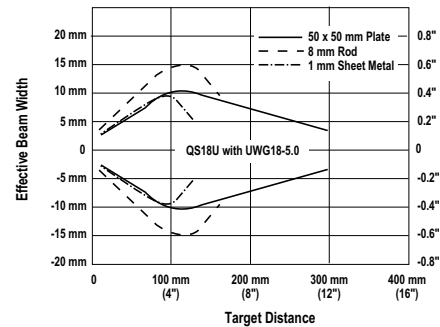
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Typical Beam Patterns with Wave Guide Attached

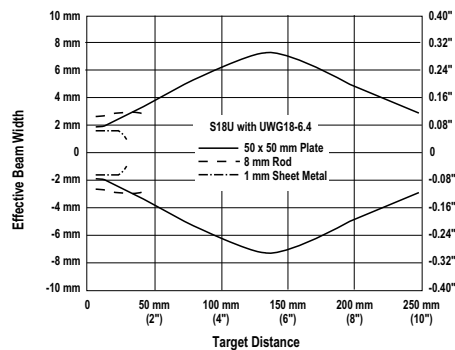
S18U Series Sensors
5.0 mm Inside Barrel



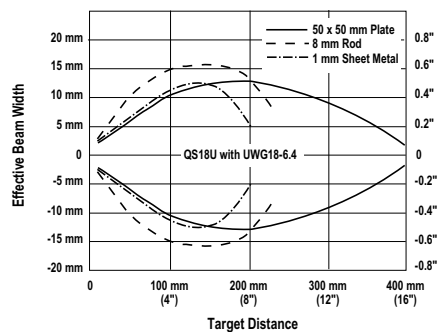
QS18U Series Sensors
5.0 mm Inside Barrel



6.4 mm Inside Barrel



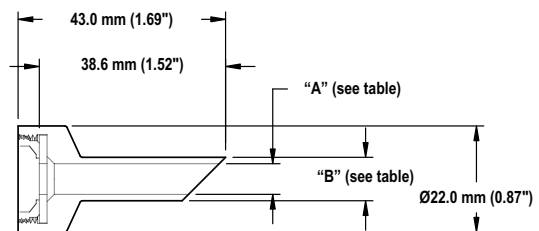
6.4 mm Inside Barrel



Specifications

Construction	Acetal
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Dimensions



Model	Inside Diameter ("A")	Outside Diameter ("B")
UWG18-5.0	5.0 mm (0.20")	7.0 mm (0.28")
UWG18-6.4	6.4 mm (0.25")	9.0 mm (0.35")



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