

Square shape fiber optic sensor

E32-ET15YR-1

Through-Beam Fiber Unit

- square shaped side-view housing
- high-flex fiber with bending radius 1 mm
- fast and easy installation on flat surfaces



Ordering Information

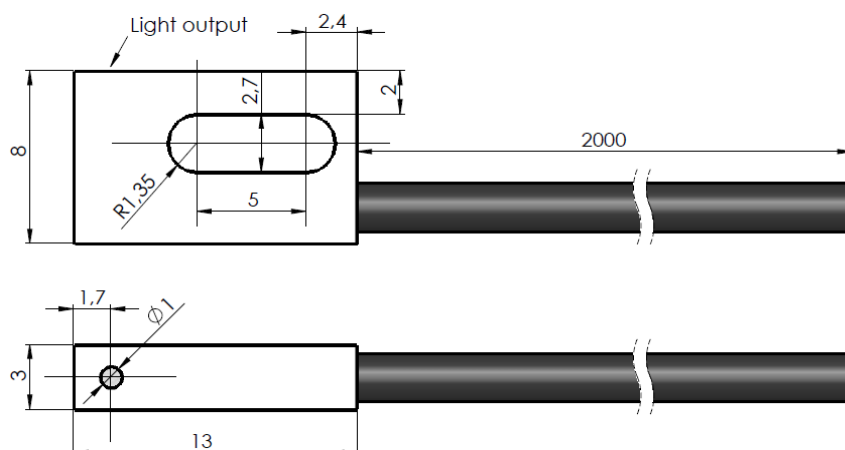
Size	Shape	Head length	Fiber	Order code
13 x 8 x 3 mm	Through-beam, side-view	13 mm	high-flex fibers, 2,2 dia	E32-ET15YR-1 2M

Specifications

Use with	E3X Fiber Amplifier family	
Temperature range	-20 °C ... +70 °C	
Sensing distance (mm)	ST = 350 / SHS = 50 / HR = 380 *	
Fiber length	2m	
Free cut	yes	
Permissible Bending radius	R 1	
Material	Head	Stainless steel (1.4404)
	Fiber	PMMA
	Sheath	Polyethylene coating

* In combination with E3X-DA8-S amplifier

Dimensions



Safety Precautions

Precautions for Safe Use



This product is not designed or rated for ensuring safety of persons. Do not use it for such purposes.

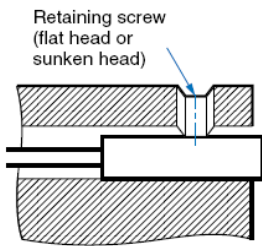
Precautions for Correct Use

Do not use the product in atmospheres or environments that exceed product ratings.

Installation

Tightening Force

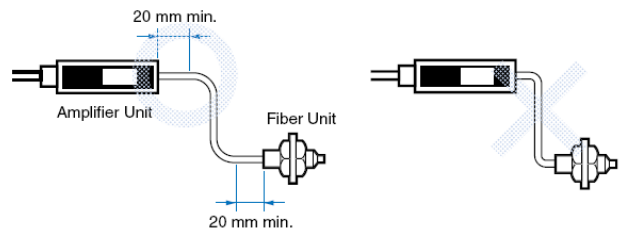
The tightening force applied to the Fiber Unit should be as follows:



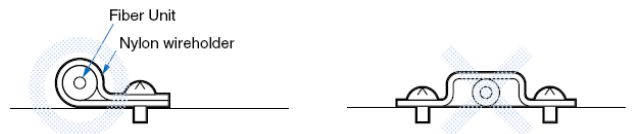
Clamping torque: 0.98 Nm max.

Connection

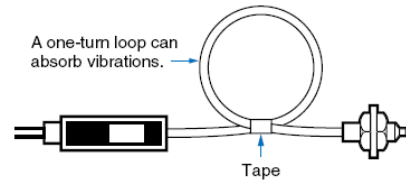
- Do not strain the fiber unit, e.g. do not apply tensile or compression force (within 9.8 Nm or 29.4 Nm). Use special care since the fiber is thin.
- The bending radius of the fiber unit should exceed the admissible bending radius given under *Specifications*



- Do not apply excess force on the fiber units.



- The fiber head could be break from excessive vibration. To prevent this, the following is applied:



<SUITABILITY FOR USE>

OMRON shall not be responsible for conformity with any standards, codes, or regulations that apply to the combination of the products in the customer's application or use of the products. Take all necessary steps to determine the suitability of the product for the systems, machines, and equipment with which it will be used.

<CHANGE IN SPECIFICATIONS>

Product specifications and accessories may be changed at any time based on improvements and other reasons. Consult with your OMRON representative at any time to confirm actual specifications of purchased product.