

All of the following knife edges will fit all models of Epsilon

extensometers that use knife edges. The exceptions are high

temperature units that use ceramic rods, specialty extensometers

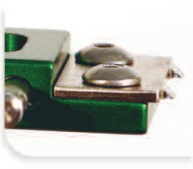
that require conical point contacts, asphalt extensometers,

clip-on gages, and deflectometers.



**Standard Knife Edges**

PART NO. 350210-01  
Produced from hardened tool steel, these knife edges are used for a wide range of applications, and can be used on both round and rectangular shaped specimens. These are the standard knife edges supplied with most Epsilon extensometers.



**Three-Point Contact Knife Edges**

PART NO. 354299  
These knife edges were designed for use on flat specimens. They ensure stable contact on flat test samples due to 3-point contact.



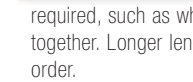
**Dual Bevel Knife Edges**

PART NO. 350210V2-01  
Produced from high toughness tool steel. These knife edges are used in applications where the standard knife edges may experience excessive chipping, such as on very hard metals. They are also ideal for high modulus composites. The dual bevel design and tougher material of construction provides a greater resistance to damage during testing. These knife edges are also recommended for biomedical testing (especially bone) where stability of the contact point can be compromised due to the softness of the test specimen. The dual bevel edge prevents slight output shifts on the sample that can result from the standard knife edges biting into the sample.



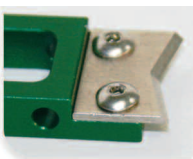
**Extended Knife Edges**

PART NO. 350210EXT-01  
Knife edges for applications where the additional length is required, such as where the grips are very close together. Longer lengths are available on special order.



**Rounded Knife Edges**

PART NO. 350210-BLUNT  
Knife edges designed for use on transverse extensometers and applications where blunt edges are required. These are primarily used on transverse or diametral extensometers, such as the 3575, 3575AVG and 3675.



**Vee Knife Edges**

PART NO. 9903-01-01  
Designed for use on round specimens. Due to the contact point variation that can occur between specimens of different diameters, units with these knife edges must be calibrated with posts of equal diameter. On extensometers with longer arms, errors created by this variation are not so pronounced, but on units with shorter arms lengths, this must be taken into consideration. The primary advantage is self-centering on the test sample.



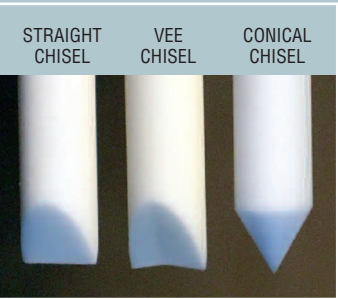
**Ceramic Knife Edges**

PART NO. 350210C2-01  
These knife edges are typically used in low cycle fatigue applications on hard metals where metallic knife edges would likely experience undue wear. They are also used on the submersible Model 4030 extensometer to prevent galvanic corrosion between the extensometer and the test specimen.



**Hardened Stainless Steel**

PART NO. 350210-02  
These knife edges are designed to be used in environments where additional strength and corrosion resistance is required. Primary applications are in biomedical testing where the knife edges may be exposed to saline solutions.



**Available Rod Tip Styles**

Specify rod tip style desired.

Straight chisel tips are the most versatile, since they can be used with round or flat specimens.

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