

# PrimeLock® Nut Locking Device

*A safety device designed to prevent PrimeLock fitting nuts from rotating, increasing operator safety and process integrity*

For over 30 years, Entegris has supplied innovative connection technology into the high-purity chemical handling markets. This connection technology includes a full line of high-performance PrimeLock® fittings that are clean, robust, and easy to assemble.

PrimeLock fittings perform effectively in the most demanding chemical applications at both ambient and elevated temperatures. To satisfy customer need for added security, a nut locking device was added to the PrimeLock product line. This nut locking device secures the fitting nut in place, eliminating the potential of the nut rotating during transport or in high-vibration applications.

## Added Safety

The PrimeLock nut locking device provides an extra level of security when transporting sensitive equipment, preventing the fittings from loosening during shipment. In extreme temperature and high-vibration applications, the nut locking device mechanically locks the nut from rotating more than 11° from setpoint, eliminating potential leakage while increasing operator safety and process integrity.

The nut locking device easily attaches over the nut of a new PrimeLock fitting or to a fitting already in service. The device is available in sizes from 1/2" to 1 1/2" and is made from durable, chemically-resistant polypropylene material in five colors providing chemical line differentiation at a glance, increasing operator safety.



## APPLICATIONS

- Transport of sensitive equipment
- High-vibration and high-temperature applications
- Thermal cycle applications
- High-purity, corrosive chemical handling
- Semiconductor applications
  - Photolithography
  - Bulk chemical delivery
  - CMP
  - Wet etch and clean
  - High-temperature cleaning processes
- Solar, LED, flat panel display
- Low surface tension chemistries

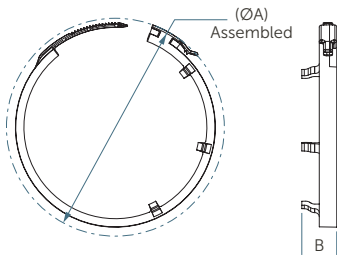
## FEATURES & BENEFITS

<b>Secure, anti-rotation design</b>	Provides an added level of security, increasing operator safety and process integrity
<b>Over-the-nut, external installation</b>	Easily installs onto new or previously installed PrimeLock fittings, preventing process interruptions and downtime
<b>Single-piece, zip tie design</b>	Easy to assemble and disassemble No special tools or heat required, saving time and money
<b>Five colors available</b>	Enables quick and easy visual differentiation between chemical lines, increasing operator safety

## SPECIFICATIONS

<b>Materials of construction</b>	Polypropylene	
<b>Available sizes</b>	1/2", 3/4", 1", 1 1/4", 1 1/2"	
<b>Available colors</b>	Natural, blue, green, red, yellow	
<b>Temperature</b>	Ambient	up to 49°C (120°F)
	Media (1/4" – 1 1/4" sizes)	up to 200°C (392°F)
	Media (1 1/2" size)	up to 150°C (302°F)

## DIMENSIONS



Part number	Fitting size	DIMENSIONS	
		A	B
PSS-8	1/2"	41.7 mm (1.64")	9.9 mm (0.39")
PSS-12	3/4"	52.6 mm (2.07")	10.4 mm (0.41")
PSS-16	1"	62.2 mm (2.45")	11.7 mm (0.46")
PSS-20	1 1/4"	75.9 mm (2.99")	12.7 mm (0.50")
PSS-24	1 1/2"	87.6 mm (3.45")	13.7 mm (0.54")

## ORDERING INFORMATION

PrimeLock Nut Locking Device: part number

PSS-

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### OD tube size

8 = 1/2"    20 = 1 1/4"  
 12 = 3/4"    24 = 1 1/2"  
 16 = 1"

### Color

Blank = Natural  
 B = Blue  
 G = Green  
 R = Red  
 Y = Yellow

## FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](http://entegris.com) and select the Contact Us link to find the customer service center nearest you.

## TERMS AND CONDITIONS OF SALE

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