



PRIMELOCK® NUT LOCKING DEVICE

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

Overview

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

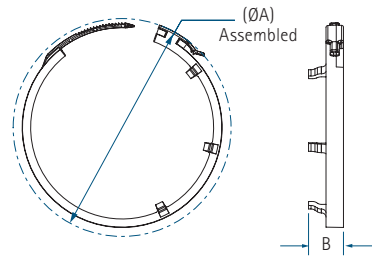
Features and Benefits

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

Specifications

Materials of construction:	Polypropylene	
Available sizes:	1/2", 3/4", 1", 1 1/4", 1 1/2"	
Available colors:	Natural, blue, green, red, yellow	
Temperature:	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

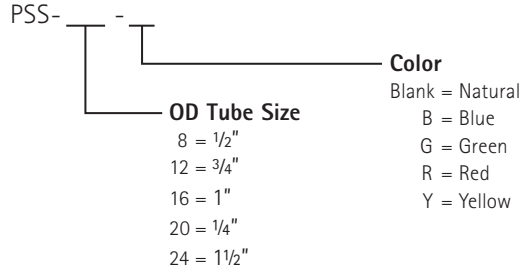


Part Number	Fitting Size	Dimensions	
		A	B
PSS-8	1/2"	41.7 mm (1.64")	9.9 mm (0.39")
PSS-12	3/4"	52.6 mm (2.07")	10.4 mm (0.41")
PSS-16	1"	62.2 mm (2.45")	11.7 mm (0.46")
PSS-20	1 1/4"	75.9 mm (2.99")	12.7 mm (0.50")
PSS-24	1 1/2"	87.6 mm (3.45")	13.7 mm (0.54")

Ordering Information

PrimeLock Nut Locking Device

Part Number



For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit www.entegris.com and select the Customer Service link for the center nearest you.

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