

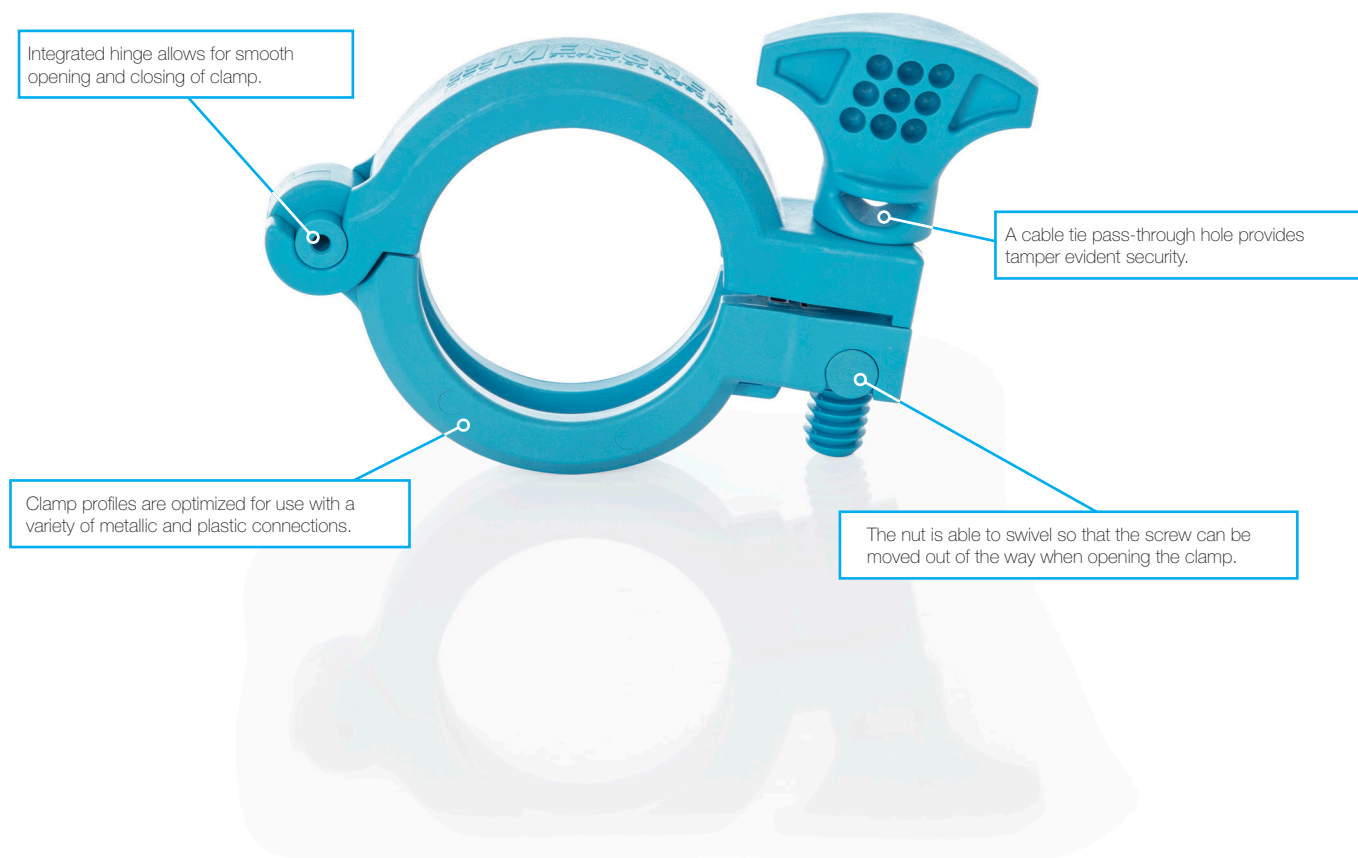
# UltraClamp®

Sanitary Clamps



# UltraClamp™ Sanitary Clamp

Meissner's new UltraClamp™ is engineered to provide security for critical biopharmaceutical connections. Addressing the global shortage of polyamide, Meissner material scientists qualified polyketone (PK) for use in sanitary clamps. By benchmarking against existing sanitary clamp designs, UltraClamp™ has been optimized for use in single-use assemblies across a wide array of process connections.



## General Design

- Securely attach sanitary fittings to filters, tubing assemblies, or biocontainer assemblies
- Screw and nut design allows for fine adjustments and range of application compression
- 360° compression
- Tamper evident feature available
- Use with gamma and autoclave sterilization
- For use with plastic or stainless steel process connections

## Typical Applications

- Single-use assemblies
- Securing sanitary flange process connections between tubing and filter housings

## Materials of Construction

Glass-Filled Polyketone (PK) – Cyan

Polyketone (PK) is a chosen market alternative to polyamides (Nylon) for clamp applications. Polyketone has superior chemical and wear resistance and does not show any change in properties in the presence of moisture. In addition, PK is an ecologically conscious engineering thermoplastic as its production emits 61% less CO<sub>2</sub> than PA66 (Nylon66).

## Technical Specifications

Max Operating Pressure (3" Clamp)	5 psi (0.3 bar); Polymeric Connection
	80 psi (5.5 bar); Stainless Steel Connection
Max Operating Pressure (¾", 1 ½" Clamp)	80 psi (5.5 bar)
Operating Temperature Range	0 - 60 °C (32 - 140 °F)
Autoclave Stability	121 °C (250 °F) for 30 minutes
Gamma Stability	Max 40 kGy cumulative
TC Size	¾", 1 ½", 3"

