



ISO 80369

COMPLIANT CONNECTORS

Nordson MEDICAL is well positioned to help you with your tubing connection needs. Our parts are designed, tested, qualified, and documented to be compliant with these new standards. Because Nordson MEDICAL's Value Plastics product line team has participated on the committees developing these standards, you can be assured of a full understanding of the testing and compliance requirements.

WHAT IS ISO 80369?

Hospitals and other healthcare facilities depend on a variety of catheters, tubing and syringes to deliver medications and other substances to patients through vascular, enteral, respiratory, epidural and intrathecal delivery systems. These delivery systems frequently employ fittings called luer connectors to link various system components. Unfortunately, because luer connectors are ubiquitous, easy-to-use, and compatible between different delivery systems, end users can inadvertently connect the incorrect systems together. These misconnections can cause medication or other fluids to be delivered through the wrong route, resulting in serious patient injuries and even death. In an effort to reduce the occurrence of these misconnections, the FDA is in collaboration with the International Organization for Standardization (ISO) and the Association for the Advancement of Medical Instrumentation (AAMI) to develop standards for the noninterconnectability of small bore medical connectors. A joint working group established by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) leads this effort to develop a series of standards for incompatible connectors.

Our standard product base has hundreds of different types of luers that can be customized to achieve ISO 80369-7 compliance. Contact us to schedule an appointment with our knowledgeable staff.

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ISO 80369-1

General Requirements

The ISO 80369-1 standard provides general requirements to prevent misconnections between small-bore connectors used in various medical devices.

ISO 80369-2

Breathing Systems and Driving Gases

Respiratory applications include connectors designed for low flow, such as flowmeters, nebulizers, nasal cannulae, and ventilators. This application aims to interact with the human body's airways in various modalities.

ISO 80369-3

Enteral

Enteral and gastric applications drive the requirements for these connectors, which have a larger bore than standard luers. The goal of this application is to deliver nutrition directly to the patient when normal eating is not possible.

ENTFTC-VP1

Tethered Cap, Fits Enteral Male Connector,
Animal-Free Polyethylene

ENTM230-6005

Enteral Male Connector with Barb for 1/8"
(3.2 mm) ID Tubing, Animal-Free

ISO 80369-4

Urinary (Urethral)

This section of ISO 80369 is yet to be published (as of 2023), but will aim to define the connectors associated with urinary and urethral devices with the purpose of draining urine from the bladder.

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ISO 80369-5

Limb Cuff and Blood Pressure

Limb cuff inflation includes blood pressure monitoring and tourniquets, inflating devices external to the human body. These connectors are characterized by smaller bores to not misconnect with other devices that interact with the body.

BPM013-1

Blood Pressure Monitor Bayonet
Connector to 500 Series Barb, 80369-5
Compliant, 1/8" (3.2 mm) ID Tubing

BPM025-1

Blood Pressure Monitor Bayonet
Connector to 500 Series Barb, 80369-5
Compliant, 5/32" (4.0 mm) ID Tubing

BPMB230-1

Blood Pressure Monitor Bayonet Panel
Mount Connector to 200 Series Barb,
80369-5 Compliant, 1/4-28 UNF Thread,
1/8" (3.2 mm) ID Tubing

BPM240-1

Blood Pressure Monitor Bayonet
Connector to 200 Series Barb, 80369-5
Compliant, 5/32" (4.0 mm) ID Tubing

BPM035-1

Blood Pressure Monitor Bayonet
Connector to 500 Series Barb, 80369-5
Compliant, 3/16" (4.8 mm) ID Tubing

ISO 80369-6

Neuraxial

Neuraxial applications are designed around anesthesia and spinal fluid procedures. This includes intrathecal injections, epidural infusions, nerve blocks, peripheral infusions, and cerebro-spinal fluid drainage.

NEFC-50

Neuraxial Female Cap, Fits Neuraxial Male
Connector, Clear Acrylic

NEFCV-9010

Neuraxial Female Vented Cap, Fits
Neuraxial Male Connector, Polycarbonate

NEME31-9010

Neuraxial Male Connector, 2.1 mm Tubing,
Bond-In Pocket, Polycarbonate

NEFC-8012

Neuraxial Female Cap, Fits Neuraxial Male
Connector, White ABS

NEFE21-9010

Neuraxial Female Connector, 2.1 mm
Tubing Bond-In Pocket, Polycarbonate

NEMP-50

Neuraxial Male Plug, Fits Neuraxial Female
Connector, Clear Acrylic

NEFCV-50

Neuraxial Female Vented Cap, Fits
Neuraxial Male Connector, Clear Acrylic

NEFE31-9010

Neuraxial Female Connector, 3.1 mm
Tubing Bond-In Pocket, Polycarbonate

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ISO 80369-7

Intravascular and Hypodermic

Intended for intravascular (I.V.) and hypodermic applications, the publication supersedes the legacy ISO 594 standard, which defined tapered luer connectors historically.

Luers

FTLLPV-6005

Female Luer Thread Style Cap, ISO 80369-7 Compliant, Animal-free Natural Polypropylene

FTLLV210-9

Female Luer Thread Style to 200 Series Barb, 1/16" (1.6 mm) ID Tubing, ISO 80369-7 Compliant, Clear Polycarbonate

FTLLV220-9

Female Luer Thread Style to 200 Series Barb, 3/32" (2.4 mm) ID Tubing, ISO 80369-7 Compliant, Clear Polycarbonate

FTLLV230-9

Female Luer Thread Style to 200 Series Barb, 1/8" (3.2 mm) ID Tubing, ISO 80369-7 Compliant, Clear Polycarbonate

FTLLV240-9

Female Luer Thread Style to 200 Series Barb, 5/32" (4.0 mm) ID Tubing, ISO 80369-7 Compliant, Clear Polycarbonate

FTLLV250-9

Female Luer Thread Style to 200 Series Barb, 3/16" (4.8 mm) ID Tubing, ISO 80369-7 Compliant, Clear Polycarbonate

MTLLV210-6005

Male Luer Integral Lock Ring to 200 Series Barb, 1/16" (1.6 mm) ID Tubing, ISO 80369-7 Compliant, Animal-Free Natural Polypropylene

MTLLV220-6005

Male Luer Integral Lock Ring to 200 Series Barb, 3/32" (2.4 mm) ID Tubing, ISO 80369-7 Compliant, Animal-Free Natural Polypropylene

FTLLV210-1

Female Luer Thread Style to 200 Series Barb, 1/16" (1.6 mm) ID Tubing, ISO 80369-7 Compliant, White Nylon

FTLLV220-1

Female Luer Thread Style to 200 Series Barb, 3/32" (2.4 mm) ID Tubing, ISO 80369-7 Compliant, White Nylon

FTLLV230-1

Female Luer Thread Style to 200 Series Barb, 1/8" (3.2 mm) ID Tubing, ISO 80369-7 Compliant, White Nylon

FTLLV240-1

Female Luer Thread Style to 200 Series Barb, 5/32" (4.0 mm) ID Tubing, ISO 80369-7 Compliant, White Nylon

FTLLV250-1

Female Luer Thread Style to 200 Series Barb, 3/16" (4.8 mm) ID Tubing, ISO 80369-7 Compliant, White Nylon

MTLLPV-6005

Male Luer Integral Lock Ring Plug, Closed at Luer Tip, ISO 80369-7 Compliant, Animal-Free Natural Polypropylene

MTLLV210-9

Male Luer Integral Lock Ring to 200 Series Barb, 1/16" (1.6 mm) ID Tubing, ISO 80369-7 Compliant, Clear Polycarbonate

MTLLV220-9

Male Luer Integral Lock Ring to 200 Series Barb, 3/32" (2.4 mm) ID Tubing, ISO 80369-7 Compliant, Clear Polycarbonate

FTLLV210-6005

Female Luer Thread Style to 200 Series Barb, 1/16" (1.6 mm) ID Tubing, Animal-Free, ISO 80369-7 Compliant, Natural Polypropylene

FTLLV220-6005

Female Luer Thread Style to 200 Series Barb, 3/32" (2.4 mm) ID Tubing, ISO 80369-7 Compliant, Animal-Free Natural Polypropylene

FTLLV230-6005

Female Luer Thread Style to 200 Series Barb, 1/8" (3.2 mm) ID Tubing, ISO 80369-7 Compliant, Animal-Free Natural Polypropylene

FTLLV240-6005

Female Luer Thread Style to 200 Series Barb, 5/32" (4.0 mm) ID Tubing, ISO 80369-7 Compliant, Animal-Free Natural Polypropylene

FTLLV250-6005

Female Luer Thread Style to 200 Series Barb, 3/16" (4.8 mm) ID Tubing, ISO 80369-7 Compliant, Animal-Free Natural Polypropylene

MTLLV210-1

Male Luer Integral Lock Ring to 200 Series Barb, 1/16" (1.6 mm) ID Tubing, ISO 80369-7 Compliant, White Nylon

MTLLV220-1

Male Luer Integral Lock Ring to 200 Series Barb, 3/32" (2.4 mm) ID Tubing, ISO 80369-7 Compliant, White Nylon

MTLLV230-1

Male Luer Integral Lock Ring to 200 Series Barb, 1/8" (3.2 mm) ID Tubing, ISO 80369-7 Compliant, White Nylon

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Luers (cont.)

MTLLV230-6005

Male Luer Integral Lock Ring to 200 Series Barb, 1/8" (3.2 mm) ID Tubing, ISO 80369-7 Compliant, Animal-Free Natural Polypropylene

MTLLV240-6005

Male Luer Integral Lock Ring to 200 Series Barb, 5/32" (4.0 mm) ID Tubing, ISO 80369-7 Compliant, Animal-Free Natural Polypropylene

MTLLV230-9

Male Luer Integral Lock Ring to 200 Series Barb, 1/8" (3.2 mm) ID Tubing, ISO 80369-7 Compliant, Clear Polycarbonate

MTLLV240-9

Male Luer Integral Lock Ring to 200 Series Barb, 5/32" (4.0 mm) ID Tubing, ISO 80369-7 Compliant, Clear Polycarbonate

MTLLV240-1

Male Luer Integral Lock Ring to 200 Series Barb, 5/32" (4.0 mm) ID Tubing, ISO 80369-7 Compliant, White Nylon

Stopcocks

FCVFFM-008

3-Way Stopcock, Female Luer to Female Luer to Male Luer, ISO 80369-7 Compliant, Clear Polycarbonate Body, Natural HDPE Diverter

FCVFFMR-008

3-Way Stopcock, Female Luer to Female Luer to Male Luer with Luer Lock Ring, ISO 80369-7 Compliant, Clear Polycarbonate Body, Natural HDPE Diverter

FCVHPFFMR-008

3-Way High Pressure Stopcock, Female Luer to Female Luer to Male Luer with Luer Lock Ring, ISO 80369-7 Compliant, Clear Polycarbonate Body, Gold Acetal Diverter

FCVFFM-030

3-Way Stopcock, Female Luer to Female Luer to 0.110 Bond Port, ISO 80369-7 Compliant, Clear Polycarbonate Body, Natural HDPE Diverter

FCVFM-001

1-Way Stopcock, Female Luer to Male Luer, ISO 80369-7 Compliant, Radiation-Stable Polycarbonate Body, Natural HDPE Diverter

FCVHPFMR-001

1-Way High-Pressure Stopcock, Female Luer to Male Luer with Luer Lock Ring, ISO 80369-7 Compliant, Clear Polycarbonate Body, Gold Acetal Diverter

FCVFFM-AN017

3-Way Stopcock, Female Luer to Female Luer to Bondable Socket, Annealed Body, ISO 80369-7 Compliant, Clear Polycarbonate Body, Natural HDPE Diverter

FCVFM-001

1-Way Stopcock, Female Luer to Male Luer with Luer Lock Ring, ISO 80369-7 Compliant, Clear Polycarbonate Body, Natural HDPE Diverter