

smiths medical

bringing technology to life



CADD® and Portex® Portfolio with the NRFit™ Connector

Safer Connections from Pump to Patient



CADD® AND PORTEX® PORTFOLIO WITH THE NRFIT™ CONNECTOR



Aware

In 2014, the Joint Commission released Sentinel Event Alert 53: Managing Risk During Transition to ISO Tubing Connector Standards. The ISO 80369-6 neuraxial connector standard was published on March 2016. The goal is to reduce the incidence of medical device misconnections – and improve patient safety – by creating unique non-Luer connectors for neuraxial procedures. The neuraxial non-Luer connectors will be branded by all major manufacturers as NRFit™ connectors.



Prepare

Smiths Medical would like to help you to improve patient safety by switching to the NRFit™ neuraxial non-Luer connector. We'll help make the transition easier by providing support, guidance and product expertise.

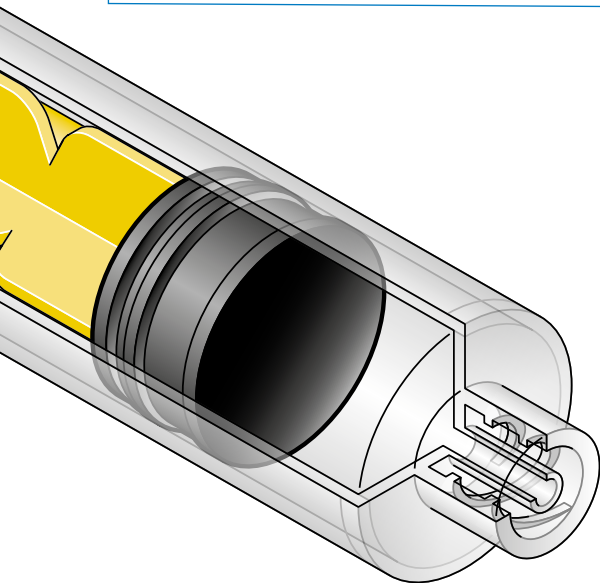


Adopt

Before your facility adopts the new standard, it is important that all employees who will be involved become educated on the new 80369-6 standard for proper and safe use of non-Luer connectors. Share the information with your entire team, and be sure everyone understands the importance of this change for patient safety.

A FAMILIAR WAY TO CONNECT

The hubs and tapers of the NRFit™ connectors are smaller than those of standard Luer connectors, used commonly on many medical devices, but they operate much the same way. Like standard Luer connectors, NRFit™ connectors come together with a simple twist.





SAFETY FROM PUMP TO PATIENT

A COMPLETE NEURAXIAL SOLUTION THAT PROMOTES PATIENT SAFETY

The CADD® and Portex® Portfolio with the NRFit™ connector is an ISO 80369-6 compliant connection system intended to enhance patient safety through a reduction in the risk of misconnection, while minimizing any change to clinical technique.

Pinpoint stability

Connections in a snap

The feel of precision

Free-flow protection with a flip

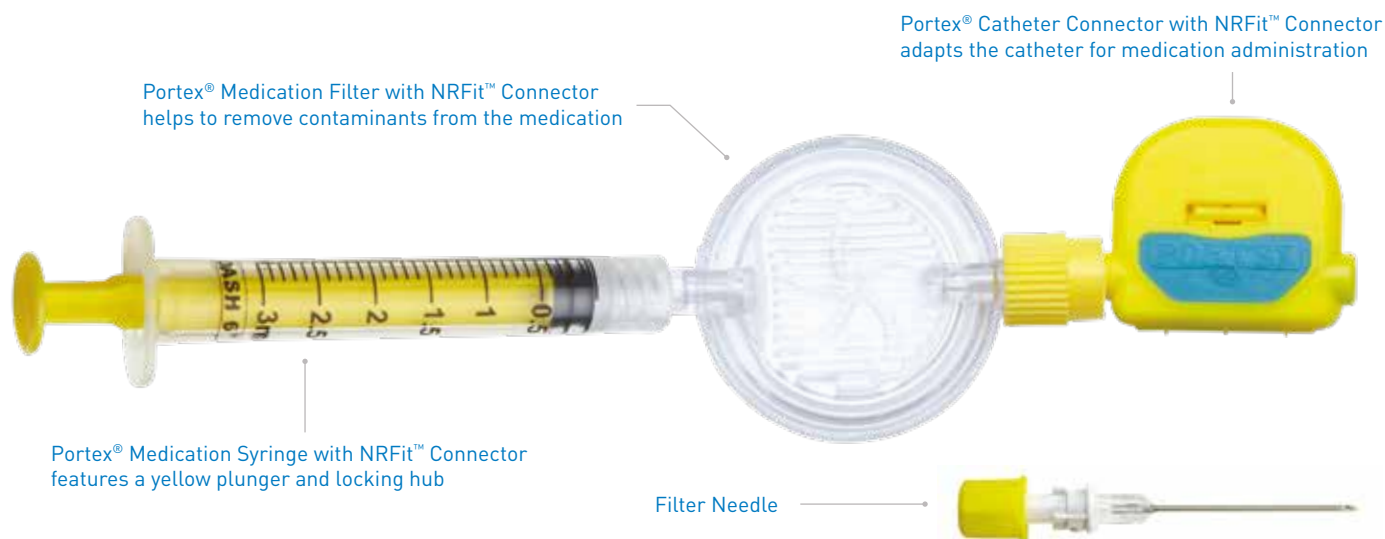
Worry-less workflow

PORTEX® PORTFOLIO WITH THE NRFIT™ CONNECTOR

COMPLETE SOLUTIONS FOR CONTINUOUS EPIDURAL, SPINAL AND CSE INFUSION PROCEDURES

A TRUSTED BUSINESS PARTNER

Smiths Medical, the developer and manufacturer of the CADD® and Portex® products with the NRFit™ connector, is a leading supplier of specialty medical devices and equipment. The CADD® and Portex® brands of pain management and regional anaesthesia products are popular worldwide and have earned a reputation for quality, innovation and impeccable performance.



ORDER CODES

Epidural Needles					
Needle Gauge	Length	Connector	Product Code	Unit	Needle Type
16G	80 mm (3.15")	NRFit™	24-1010-64	20/box	Tuohy
16G	110 mm (4.33")	NRFit™	24-1011-64	20/box	Tuohy
18G	80 mm (3.15")	NRFit™	24-1012-64	20/box	Tuohy
18G	110 mm (4.33")	NRFit™	24-1013-64	20/box	Tuohy
17G	90 mm (3.5")	NRFit™	24-1014-64	10/box	Tuohy
18G	90 mm (3.5")	NRFit™	24-1015-64	10/box	Tuohy
18G	90 mm (3.5")	NRFit™	24-1016-64	10/box	Hustead
20G	90 mm (3.5")	NRFit™	24-1017-64	10/box	Tuohy
18G	50 mm (1.97")	NRFit™	24-1354-64	20/box	Tuohy
19G	50 mm (1.97")	NRFit™	24-1355-64	20/box	Tuohy

Epidural Catheters

Clear Catheter Type	For use with needle gauge	Length	Catheter ID Label	Catheter Guide	Catheter Connector	Outer Diameter	Product Code	Unit
Closed-end 3 Eyes	16G	920 mm	•	•	NRFit™	1.05 mm	24-1033-22	10/box
Closed-end 3 Eyes	18G	920 mm	•	•	NRFit™	0.85 mm	24-1034-22	10/box
Closed-end 3 Closer Eyes	16G	920 mm	•	•	NRFit™	1.05 mm	24-1035-22	10/box
Closed-end 3 Closer Eyes	18G	920 mm	•	•	NRFit™	0.85 mm	24-1036-22	10/box

Epidural Single-Shot Packs

Tuohy Needle Gauge	Length	Connector	Product Code	Unit
16G	80 mm	NRFit™	24-1206-22	10/box
18G	80 mm	NRFit™	24-1207-22	10/box

Epidural Minipack Systems 1

Tuohy Needle Gauge	Length	With Attachable Wings	Connector	Clear Catheter with NRFit™ Connector & Guide	NRFit™ Plastic LORD Size	Catheter ID Label	With LockIt Plus® Device	NRFit™ 0.2µm Epidural Filter	Product Code	Unit
16G	80 mm	•	NRFit™	Closed-End 3 Eyes	10 mL	•		•	24-1300-22	10/box
18G	80 mm	•	NRFit™	Closed-End 3 Eyes	10 mL	•		•	24-1301-22	10/box
16G	80 mm	•	NRFit™	Closed-End 3 Eyes	10 mL	•	•	•	24-1302-22	10/box
18G	80 mm	•	NRFit™	Closed-End 3 Eyes	10 mL	•	•	•	24-1303-22	10/box
16G	110 mm	•	NRFit™	Closed-End 3 Eyes	10 mL	•		•	24-1323-22	10/box
18G	110 mm	•	NRFit™	Closed-End 3 Eyes	10 mL	•		•	24-1324-22	10/box
18G	80 mm	•	NRFit™	Closed-End 3 Closer Eyes	10 mL	•		•	24-1325-22	10/box
16G	80 mm	•	NRFit™	Closed-End 3 Closer Eyes	10 mL	•		•	24-1328-22	10/box
18G	50 mm	•	NRFit™	3 Closer Lateral Eyes	10 mL	•		•	24-1335-22	10/box
19G	50 mm	•	NRFit™	Open-end	10 mL	•		•	24-1334-22	10/box

Epidural Minipack Systems 2

Tuohy Needle Gauge	Length	With Attachable Wings	Connector	Clear Catheter with NRFit™ Connector & Guide	Catheter ID Label	NRFit™ 0.2µm Epidural Filter	Product Code	Unit
16G	80 mm	•	NRFit™	Closed-End 3 Eyes	•	•	24-1326-22	10/box
18G	80 mm	•	NRFit™	Closed-End 3 Eyes	•	•	24-1327-22	10/box

Epidural Maxipacks

Patient Preparation										Procedure Components											
Hand Towels x2	Fenestrated Drape (61x70cm)	Gauze Swabs x 5	Applicator Sponges x 2	Solution Prep Wells x 2	Filter Kwill	3 mL Plastic Syringe – 3-part / Luer	25G x 16mm Hypodermic Needle	22G x 38mm Hypodermic Needle	16G x 19mm Trocar		NRFit™ Tuohy Needle (80 mm)	With Attachable Wings	20mL NRFit™ Lock Syringe	19G x 38mm NRFit™ Filter Needle	LORD (NRFit™ slip)	Clear Catheter & NRFit™ Connector	Catheter Identification Label	NRFit™ 0.2µm Epidural Filter	Catheter Fixation Sponge	Product Code	Unit
•	•	•	•	•	•	•	•	•	•	16G	•	•	•	10mL Plastic	Closed-end 3 Eyes	•	•	•	24-1304-22	10 / box	
•	•	•	•	•	•	•	•	•	•	18G	•	•	•	10mL Plastic	Closed-end 3 Eyes	•	•	•	24-1305-22	10 / box	

Filter

Filter Type	Connector	Membrane Pore Size	Maximum Pressure	Unit	Filter Area	Priming Volume	Product Code	Unit
Flat	NRFit™	0.2µm hydrophilic 2-way	115 psi, 792 kPa		5.25 cm ²	0.8 mL	24-1000-64	10/box

Draw Up Filters

Type	Connector	Product Code	Unit
Filter Needle	NRFit™	24-1356-64	10/box



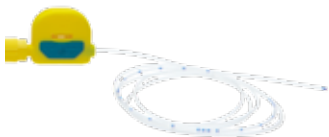
Caps

Cap Type	Connector	Product Code	Unit
Yellow female	NRFit™	24-1009-64	50/box



Key

Description	Product Code	Unit
Key for catheter connector	24-1055-64	50/box



Catheter Connectors

Size	Connector	Product Code	Unit
19G-21G	NRFit™	24-1005-64	25/box
24G	NRFit™	24-1047-64	25/box



Loss of Resistance (L.O.R.) Syringes

Syringe Type	Connection	Connector	Capacity	Product Code	Unit
Plastic	Slip	NRFit™	10 mL	24-1018-64	50/box
Glass	Slip	NRFit™	10 mL	24-1019-64	10/box
Glass	Lock	NRFit™	10 mL	24-1020-64	10/box
Plastic	Slip	NRFit™	7 mL	24-1021-64	50/box
Plastic	Lock	NRFit™	7 mL	24-1022-64	50/box
Glass	Slip	NRFit™	5 mL	24-1023-64	10/box
Glass	Lock	NRFit™	5 mL	24-1024-64	10/box

Spinal Needles – Pencil Point

Spinal Needle	Length	Introducer Needle	Connector	RapID®	Product Code	Unit
22G	90 mm	•	NRFit™	•	24-2000-64	20/box
24G	90 mm	•	NRFit™	•	24-2001-64	20/box
25G	90 mm	•	NRFit™	•	24-2002-64	20/box
26G	90 mm	•	NRFit™	•	24-2003-64	20/box
27G	90 mm	•	NRFit™	•	24-2004-64	20/box
25G	115 mm	•	NRFit™	•	24-2007-64	20/box
26G	121 mm	•	NRFit™	•	24-2005-64	10/box
27G	121 mm	•	NRFit™	•	24-2006-64	20/box
25G	131 mm	•	NRFit™	•	24-2026-64	10/box
27G	131 mm	•	NRFit™	•	24-2027-64	10/box
22G	152 mm	•	NRFit™	•	24-2018-64	10/box
25G	152 mm	•	NRFit™	•	24-2019-64	10/box

Spinal Needles - Lancet Point

Spinal Needle	Length	Introducer Needle	Connector	RapID®	Product Code	Unit
22G	38mm		NRFit™	•	24-2022-64	20/box
25G	38mm		NRFit™	•	24-2023-64	20/box
22G	64mm		NRFit™	•	24-2024-64	20/box
25G	64mm		NRFit™	•	24-2025-64	20/box
22G	90 mm	•	NRFit™	•	24-2008-64	20/box
24G	90 mm	•	NRFit™	•	24-2009-64	20/box
25G	90 mm	•	NRFit™	•	24-2010-64	20/box
26G	90 mm	•	NRFit™	•	24-2011-64	20/box
27G	90 mm	•	NRFit™	•	24-2012-64	20/box
27G	115 mm	•	NRFit™	•	24-2014-64	20/box
25G	115 mm	•	NRFit™	•	24-2015-64	20/box
26G	121 mm	•	NRFit™	•	24-2013-64	20/box
22G	152 mm	•	NRFit™	•	24-2020-64	10/box
25G	152 mm	•	NRFit™	•	24-2021-64	10/box

Spinal Midi-Trays

Spinal Needle	Length	Connector	Introducer Needle	3mL Luer Syringe	Intradermal Needle (Luer)	Hypodermic Needle (Luer)	NRFit™ 5mL Syringe	Luer Filter Straw & NRFit™ Needle	Product Code	Unit
25G	90 mm (3.5")	NRFit™	•	Slip	25G	22G	Lock	•	24-2202-22	10/box
26G	90 mm (3.5")	NRFit™	•	Slip	25G	22G	Lock	•	24-2203-22	10/box
27G	90 mm (3.5")	NRFit™	•	Slip	25G	22G	Lock	•	24-2204-22	10/box
25G	90 mm (3.5")	NRFit™	•	Slip	25G	22G	Slip	•	24-2207-22	10/box
26G	90 mm (3.5")	NRFit™	•	Slip	25G	22G	Slip	•	24-2208-22	10/box
27G	90 mm (3.5")	NRFit™	•	Slip	25G	22G	Slip	•	24-2209-22	10/box

Spinal Maxipacks - Pencil Point

Patient Preparation									Procedure Components					
Hand Towels x2	Fenestrated Drape	Gauze Swabs x 5	Applicator Sponges x 2	Solution Prep Wells x 2	Filter Straw Luer and NRFit™ Filter Needle	3 mL Plastic Syringe – 3-part / Luer slip	22G x 38mm Hypodermic Needle	25G x 16mm Hypodermic Needle	NRFit™ Spinal Needle Gauge (90 mm)	RapID®	5mL NRFit™ Syringe	Introducer Needle	Product Code	Unit
•	•	•	•	•	•	•	•	•	25G	•	Lock	•	24-2200-22	10 / box
•	•	•	•	•	•	•	•	•	26G	•	Lock	•	24-2201-22	10 / box
•	•	•	•	•	•	•	•	•	25G	•	Slip	•	24-2205-22	10 / box
•	•	•	•	•	•	•	•	•	26G	•	Slip	•	24-2206-22	10 / box

Combined Spinal / Epidural (CSE) Minipacks

Tuohy Needle (80 mm)	With Attachable Wings	Connector	Spinal Needle (121 mm)	Spinal Needle Type	Back Eye	Product Code	Unit
16G	•	NRFit™	26G	Lancet	•	24-3100-22	10/box
18G	•	NRFit™	26G	Pencil	•	24-3103-22	10/box
18G	•	NRFit™	27G	Pencil	•	24-3101-22	10/box
16G	•	NRFit™	26G	Pencil	•	24-3102-22	10/box

Contents: CSE needle set, catheter (closed-end 3 eyes) and NRFit™ catheter connector and key, NRFit™ filter (0.2 µm), 10 mL/ NRFit™ slip LORD, fixation sponge, catheter ID label.

CADD® PORTFOLIO WITH THE NRFIT™ CONNECTOR

COMPLETE SOLUTIONS FOR SAFE INFUSION PROCEDURES





CADD™ Medication Cassette Reservoirs with NRFit™ Connector

Description	Length	Priming Volume	Plasticizer	Product Code	Unit
100 mL yellow CADD™ medication cassette reservoir with female NRFit™ connector, Flow Stop, clamp, and non-vented stopper	20 cm (8")	0.2 mL	DEHP	21-7600-24	12/box
250 mL yellow CADD™ medication cassette reservoir with female NRFit™ connector, Flow Stop, clamp, and non-vented stopper	20 cm (8")	0.2 mL	TOTM	21-7609-24	12/box



CADD® Extension Sets with NRFit™ Connector

Description	Length	Priming Volume	Plasticizer	Product Code	Unit
CADD® yellow-striped extension set with male NRFit™ connectors, integral anti-siphon valve, and clamp	229 cm (90")	2.3 mL	TOTM	21-7605-24	12/box
CADD® yellow-striped extension set with male NRFit™ connectors, 0.2-micron air-eliminating filter, and integral anti-siphon valve and clamp	229 cm (90")	2.4 mL	TOTM	21-7608-24	12/box



CADD® Administration Sets with NRFit™ Connector

Description	Length	Priming Volume	Plasticizer	Product Code	Unit
CADD® yellow-striped administration set with male NRFit™ connector with one-way checkvalve, bag spike, Flow Stop, and clamp	312 cm (123")	3.2 mL	TOTM	21-7624-24	12/box
CADD® yellow-striped administration set with male NRFit™ connector with one-way checkvalve, bag spike, Flow Stop, 0.2-micron air-eliminating filter, and clamp	330 cm (130")	6.2 mL	TOTM	21-7639-24	12/box
CADD® yellow-striped high volume administration set with male NRFit™ connector with one-way checkvalve, bag spike, Flow Stop, and clamp	312 cm (123")	16 mL	TOTM	21-7684-24	15/box
CADD® yellow-striped high volume administration set with male NRFit™ connector with one-way checkvalve, bag spike, Flow Stop, 0.2-micron air-eliminating filter, and clamp	345 cm (136")	23 mL	TOTM	21-7685-24	15/box



Adapters

Description	Product Code	Unit
Infusion adapter to lock a male Luer on to a female NRFit™ connector	24-1001-64	10/box
Filling adapter to convert a male Luer to a female NRFit™ connector for Pharmacy filling of CADD™ medication reservoirs	21-7664-24	50/box

For more information visit our website at www.smiths-medical.com

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