

**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.

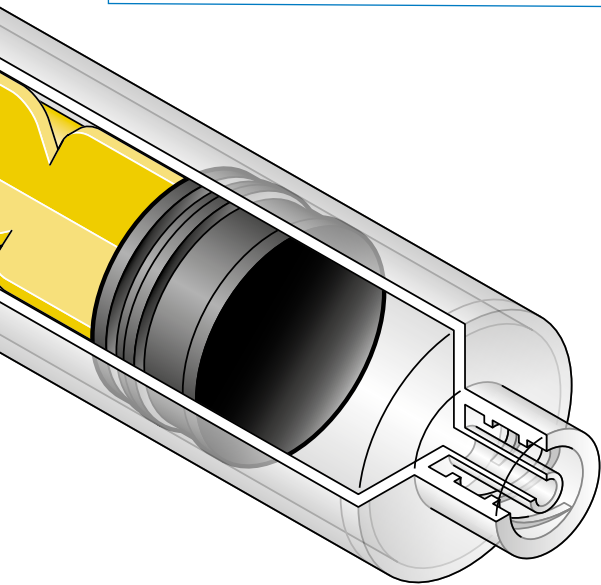


## Adopt

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**

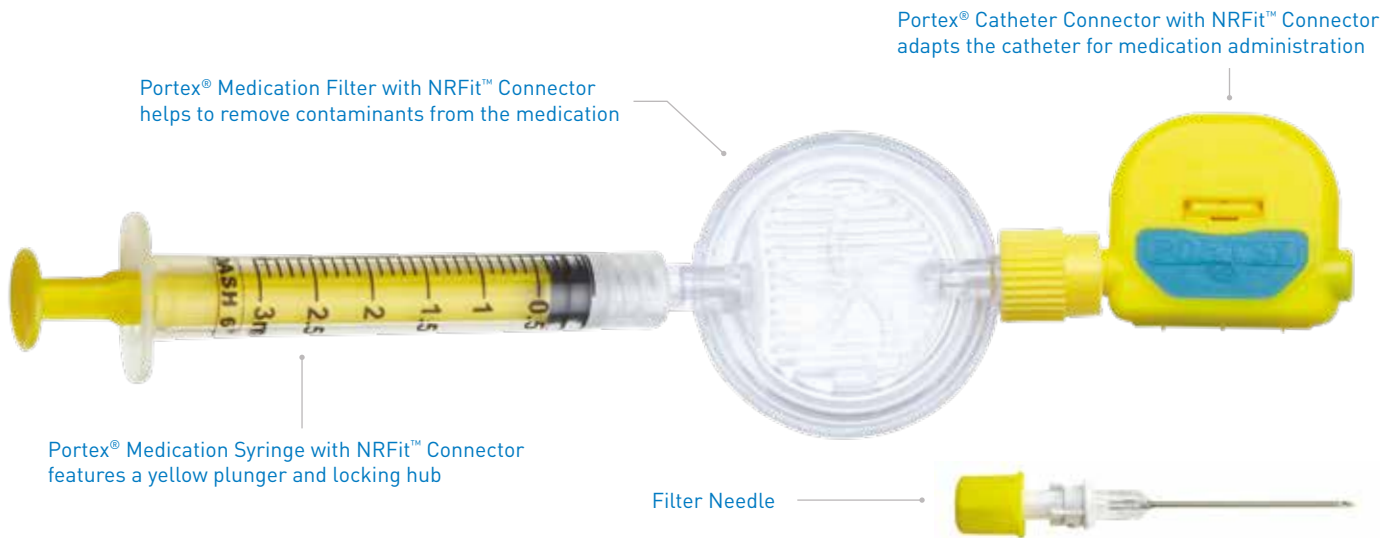
**Worry-less workflow**

# 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 <sup>2</sup>	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](http://www.smiths-medical.com)

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