



Product Catalog
Regional Anesthesia



Regional Anesthesia

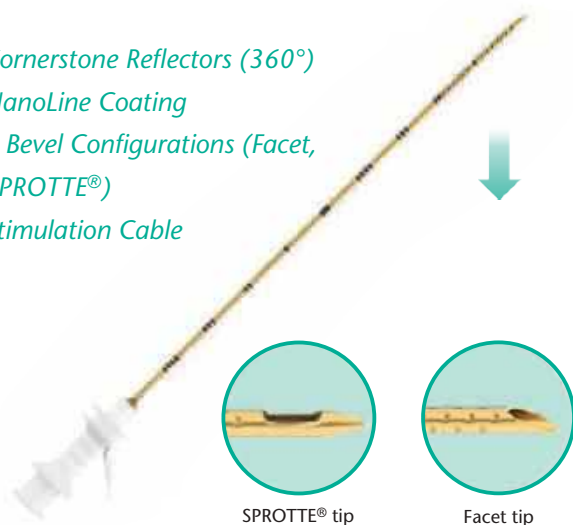


*Patient Safety is
our Highest Priority.*

SonoPlex

Echogenic, Stimulating Single Shot Needle

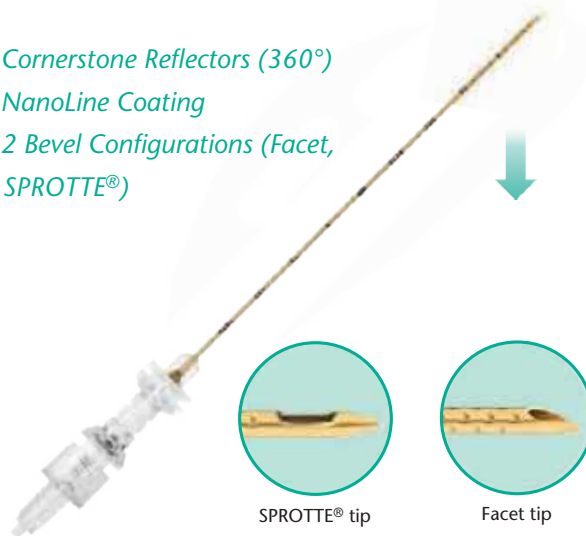
- ➔ Cornerstone Reflectors (360°)
- ➔ NanoLine Coating
- ➔ 2 Bevel Configurations (Facet, SPROTTE®)
- ➔ Stimulation Cable



SonoBlock

Echogenic, Non-Stimulating Single Shot Needle

- ➔ Cornerstone Reflectors (360°)
- ➔ NanoLine Coating
- ➔ 2 Bevel Configurations (Facet, SPROTTE®)



Product advantages at a glance:

- 1 Improved ultrasound visibility of needle tip at any angle (with Facet tip)
- 2 Improved ultrasound visibility of needle shaft
- 3 Smooth tissue gliding
- 4 Precise nerve stimulation
- 5 Safe atraumatic puncture (with SPROTTE tip)

Size	Item no.	PU
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20G x 4 3/4" (120mm) needle with facet S tip	001187-72	10
20G x 6" (150mm) needle with facet S tip	001187-76	10
21G x 4" (100mm) needle with facet S tip	001187-77	10
22G x 1 5/8" (40mm) needle with facet S tip	001187-70	10
22G x 2" (50mm) needle with facet S tip	001187-74	10
22G x 3 1/4" (80mm) needle with facet S tip	001187-71	10
24G x 1 5/8" (40mm) needle with facet S tip	001187-78	10
24G x 2" (50mm) needle with facet S tip	001187-85	10
20G x 4 3/4" (120mm) needle with facet tip	001185-72	10
20G x 6" (150mm) needle with facet tip	001185-76	10
21G x 3 1/4" (80mm) needle with facet tip	001185-88	10
21G x 4" (100mm) needle with facet tip	001185-77	10
22G x 1 5/8" (40mm) needle with facet tip	001185-70	10
22G x 2" (50mm) needle with facet tip	001185-74	10
22G x 3 1/4" (80mm) needle with facet tip	001185-71	10
24G x 1" (25mm) needle with facet tip	001185-75	10
24G x 1 5/8" (40mm) needle with facet tip	001185-78	10
24G x 2" (50mm) needle with facet tip	001185-85	10
22G x 2" (50mm) needle with Sprotte tip	001185-31G	10
22G x 2 3/4" (70mm) needle with Sprotte tip	001185-31H	10
22G x 3 1/2" (90mm) needle with Sprotte tip	001185-31J	10
24G x 1 5/8" (40mm) needle with Sprotte tip	001185-30G	10

Product advantages at a glance:

- 1 Improved ultrasound visibility of needle tip at any angle (with Facet tip)
- 2 Improved ultrasound visibility of needle shaft
- 3 Smooth tissue gliding
- 4 Safe atraumatic puncture (with SPROTTE tip)

Size	Item no.	PU
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20G x 4 3/4" (120mm) needle with facet S tip	001181-72	10
21G x 4" (100mm) needle with facet S tip	001181-77	10
22G x 1 5/8" (40mm) needle with facet S tip	001181-70	10
22G x 2" (50mm) needle with facet S tip	001181-74	10
22G x 3 1/4" (80mm) needle with facet S tip	001181-71	10
24G x 2" (50mm) needle with facet S tip	001181-85	10
21G x 4" (100mm) needle with facet tip	001180-77	10
22G x 1 5/8" (40mm) needle with facet tip	001180-70	10
22G x 2" (50mm) needle with facet tip	001180-74	10
22G x 3 1/4" (80mm) needle with facet tip	001180-71	10
24G x 2" (50mm) needle with facet tip	001180-85	10
22G x 2" (50mm) needle with Sprotte tip	001180-31G	10
22G x 3 1/2" (90mm) needle with Sprotte tip	001180-31J	10
24G x 1 5/8" (40mm) needle with Sprotte tip	001180-30G	10

SonoLong Needle

Echogenic, Stimulating NB Needle

- ➔ Cornerstone Reflectors (360°)
- ➔ NanoLine Coating
- ➔ Tuohy tip
- ➔ Stimulation Cable



Product advantages at a glance:

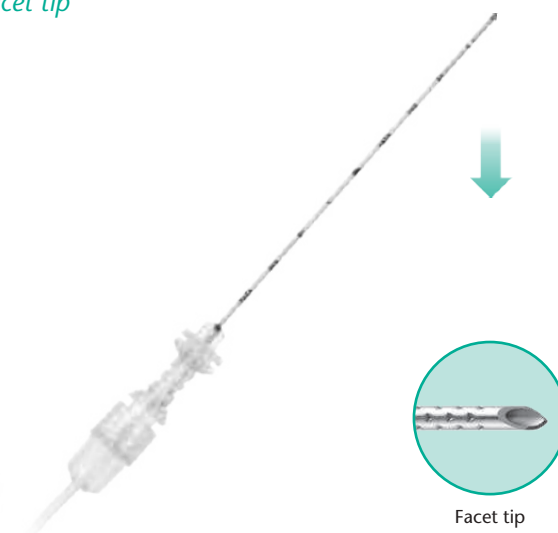
- 1 Improved ultrasound visibility of needle tip at any angle
- 2 Improved ultrasound visibility of needle shaft
- 3 Smooth tissue gliding
- 4 Precise nerve stimulation

Size	Item no.	PU
18G x 2" (50mm) needle with Tuohy tip, NanoLine coating, 60cm injection tubing, 60cm stimulation cable	501185-31H	10
18G x 4" (100mm) needle with Tuohy tip, NanoLine coating, 60cm injection tubing, 60cm stimulation cable	501185-31G	10
18G x 6" (150mm) needle with Tuohy tip, NanoLine coating, 60cm injection tubing, 60cm stimulation cable	501185-31I	10

SonoTAP

Echogenic, Non-Stimulating Single Shot Needle for TAP Blocks

- ➔ Cornerstone Reflectors (360°)
- ➔ Facet tip



Product advantages at a glance:

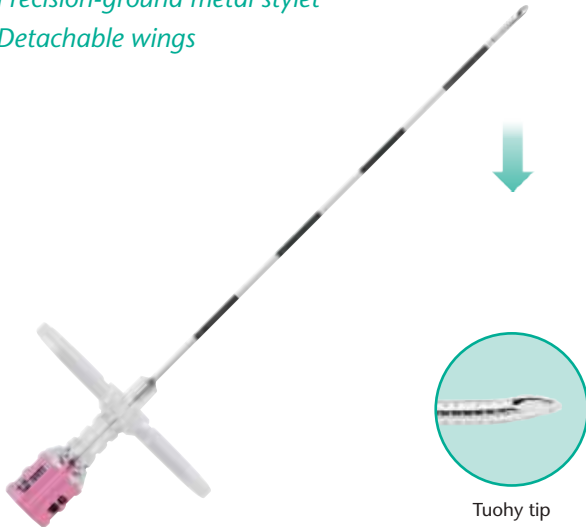
- 1 Improved ultrasound visibility of needle tip at any angle
- 2 Improved ultrasound visibility of needle shaft
- 3 Precise localization through distinct fascia click (pop)

Size	Item no.	PU
21G x 4 1/3" (110mm) needle with facet tip	1185-3F110	10
21G x 6" (150mm) needle with facet tip	1185-3F150	10
22G x 2" (50mm) needle with facet tip	1185-3E050	10
22G x 3 1/4" (80mm) needle with facet tip	1185-3E080	10
24G x 1 5/8" (40mm) needle with facet tip	1185-3Y040	10

TuohySono

Echogenic Non-Stimulating, Single Shot Needle for Paravertebral, TAP and other NB's

- ➔ Cornerstone Reflectors (360°)
- ➔ Precision-ground metal stylet
- ➔ Detachable wings



Tuohy tip

Product advantages at a glance:

- 1 Improved ultrasound visibility of needle tip at any angle
- 2 Additional needle stability (long and small G-size needles)
- 3 Minimized tissue coring and improved gliding characteristics
- 4 No need to change preferred puncture technique

Size	Item no.	PU
17G x 3 1/2" (90mm) needle with 1cm graduation	1085-4M090	25
18G x 2" (50mm) needle with 1cm graduation	1085-4K050	25
18G x 3 1/2" (90mm) needle with 1cm graduation	1085-4K090	25
18G x 4 3/4" (120mm) needle with 1cm graduation	1085-4K120	10
18G x 6" (150mm) needle with 1cm graduation	1085-4K150	10
21G x 2" (50mm) needle with 1cm graduation	1085-4F050	25
21G x 3 1/2" (90mm) needle with 1cm graduation	1085-4F090	25
21G x 4 3/4" (120mm) needle with 1cm graduation	1085-4F120	10
22G x 2" (50mm) needle with 1cm graduation	1085-4E050	25
22G x 3 1/2" (90mm) needle with 1cm graduation	1085-4E090	25
22G x 4 3/4" (120mm) needle with 1cm graduation	1085-4E120	25

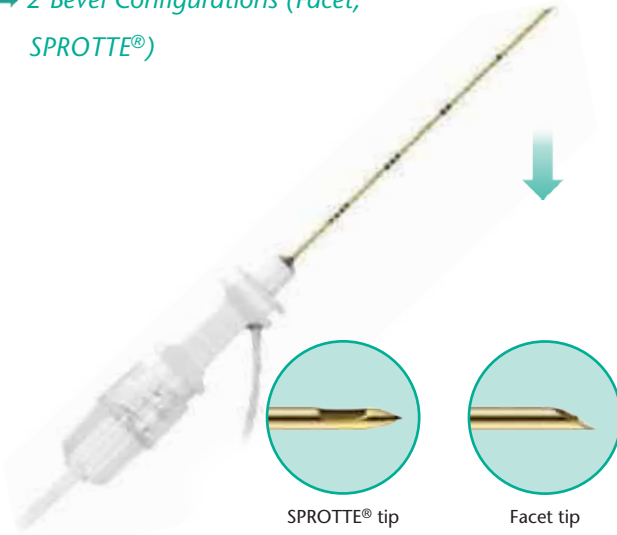
NOTE: All needles come with color coded stylet

■ 17G ■ 18G ■ 21G ■ 22G

UniPlex NanoLine

Ultrasound friendly, stimulating Needle for NB's

- ➔ Stimulation Cable
- ➔ NanoLine Coating
- ➔ 2 Bevel Configurations (Facet, SPROTTE®)



SPROTTE® tip

Facet tip

Product advantages at a glance:

- 1 Smooth tissue gliding
- 2 Safe atraumatic puncture (with SPROTTE tip)
- 3 Precise nerve stimulation

Size	Item no.	PU
20G x 4 3/4" (120mm) needle with facet tip	001156-72	10
20G x 6" (150mm) needle with facet tip	001156-76	10
20G x 7" (180mm) needle with facet tip	001156-73	10
21G x 4" (100mm) needle with facet tip	001156-77	10
22G x 1 5/8" (40mm) needle with facet tip	001156-70	10
22G x 2" (50mm) needle with facet tip	001156-74	10
22G x 3 1/4" (80mm) needle with facet tip	001156-71	10
22G x 4" (100mm) needle with facet tip	001156-84	10
22G x 4 3/4" (120mm) needle with facet tip	001156-82	10
24G x 1" (25mm) needle with facet tip	001156-75	10
25G x 1 3/8" (35mm) needle with facet tip	001156-80	10
25G x 2" (50mm) needle with facet tip	001156-81	10
22G x 2" (50mm) needle with Sprotte tip	001156-31G	10
22G x 3 1/2" (90mm) needle with Sprotte tip	001156-31J	10
22G x 6" (150mm) needle with Sprotte tip	001156-28L	10
24G x 1 5/8" (40mm) needle with Sprotte tip	001156-30G	10
25G x 2" (50mm) needle with Sprotte tip	001156-29G	10

E-Cath

Echogenic, Catheter Over Needle CNB System with echogenic, stimulating needle

- ➔ Catheter Over Needle technique
- ➔ Cornerstone Reflectors (360°)
- ➔ Facet tip
- ➔ NanoLine Coating
- ➔ Self Priming System
- ➔ Soft Open Tip Catheter with additional 360° lateral opening
- ➔ Integrated Injection Tubing
- ➔ Stimulation Cable



Product advantages at a glance:

- 1 Designed to reduce the chance of leakage and catheter dislocation
- 2 Optimized spread of local anesthetic
- 3 Ease of use and simplification of catheter procedure
- 4 Improved ultrasound visibility of needle tip at any angle
- 5 Improved ultrasound visibility of catheter
- 6 Smooth tissue gliding
- 7 Precise nerve stimulation

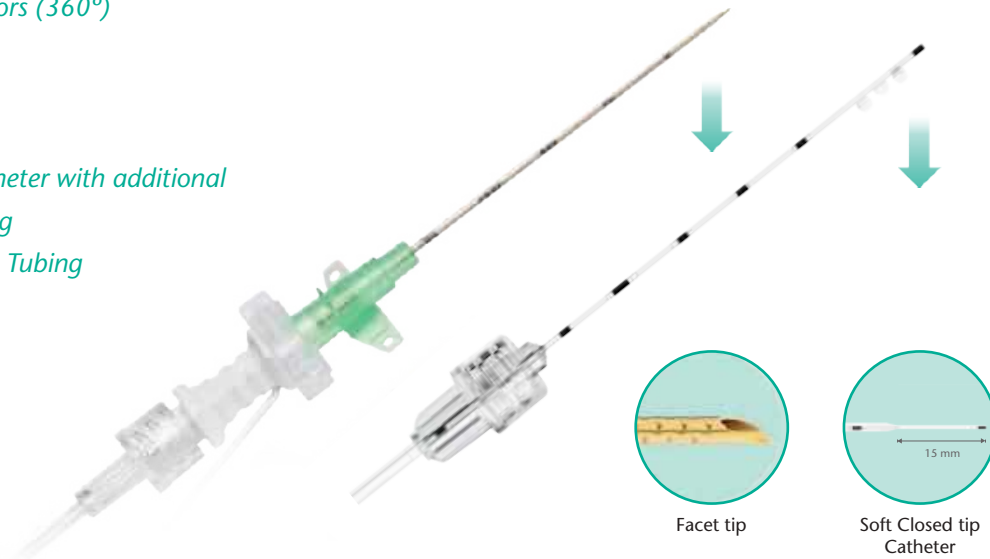
Item Description	Item no.	PU
18G x 2" (51mm) indwelling catheter, SonoPlex 21G x 2 2/3" (68mm) echogenic needle with distal opening, E-Cath 20G echogenic Self-Priming catheter with open tip and fixed injection tubing, FixoCath catheter fixation device	201285-40E	10
18G x 3" (75mm) indwelling catheter, SonoPlex 21G x 3 2/3" (94mm) echogenic needle with distal opening, E-Cath 20G echogenic Self-Priming catheter with open tip and fixed injection tubing, FixoCath catheter fixation device	211285-40E	10
18G x 3 1/4" (83mm) indwelling catheter, SonoPlex 21G x 4" (101mm) echogenic needle with distal opening, E-Cath 20G echogenic Self-Priming catheter with open tip and fixed injection tubing, FixoCath catheter fixation device	241285-40E	10
16G x 5 1/5" (132mm) indwelling catheter, SonoPlex 20G x 6" (150mm) echogenic needle with distal opening, E-Cath 20G echogenic Self-Priming catheter with open tip and fixed injection tubing, FixoCath catheter fixation device	251285-40E	10

E-Cath Plus

Echogenic, Catheter Over Needle CNB System with echogenic, stimulating needle



- ➔ Catheter Over Needle technique
- ➔ Cornerstone Reflectors (360°)
- ➔ Facet tip
- ➔ NanoLine Coating
- ➔ Self Priming System
- ➔ Soft Closed Tip Catheter with additional 360° lateral opening
- ➔ Integrated Injection Tubing
- ➔ Stimulation Cable



Product advantages at a glance:

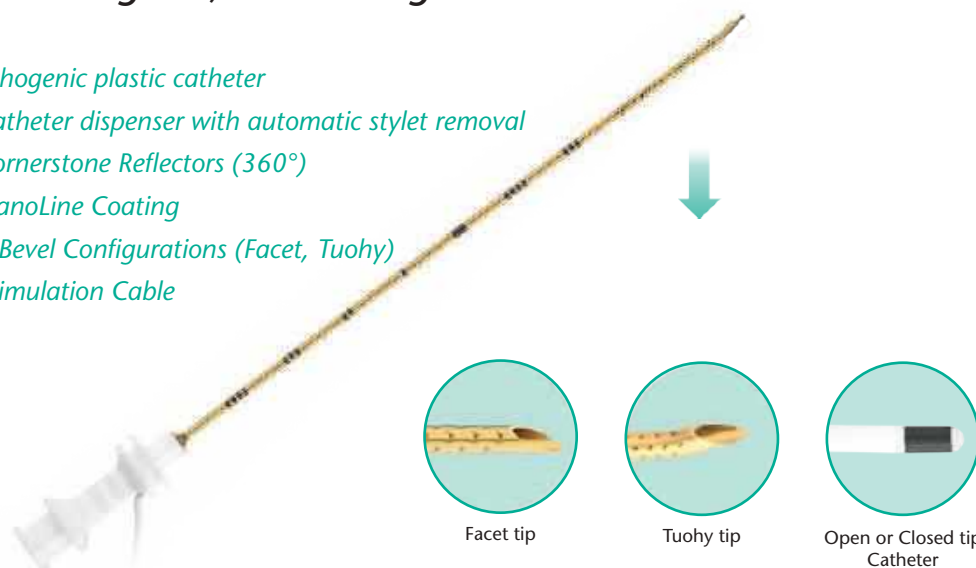
- 1 Designed to reduce the chance of leakage and catheter dislocation
- 2 Optimized spread of local anesthetic
- 3 Ease of use and simplification of catheter procedure
- 4 Improved ultrasound visibility of needle tip at any angle
- 5 Improved ultrasound visibility of catheter
- 6 Smooth tissue gliding
- 7 Precise nerve stimulation

Item Description	Item no.	PU
18G x 2" (51mm) indwelling catheter, SonoPlex 21G x 2 2/3" (68mm) echogenic needle with distal opening, E-Cath Plus 20G echogenic Self-Priming catheter with closed tip and 3 lateral openings and fixed injection tubing, FixoCath catheter fixation device	201285-41E	10
18G x 3" (75mm) indwelling catheter, SonoPlex 21G x 3 2/3" (94mm) echogenic needle with distal opening, E-Cath Plus 20G echogenic Self-Priming catheter with closed tip and 3 lateral openings and fixed injection tubing, FixoCath catheter fixation device	211285-41E	10
18G x 3 1/4" (83mm) indwelling catheter, SonoPlex 21G x 4" (101mm) echogenic needle with distal opening, E-Cath Plus 20G echogenic Self-Priming catheter with closed tip and 3 lateral openings and fixed injection tubing, FixoCath catheter fixation device	241285-41E	10
16G x 5 1/5" (132mm) indwelling catheter, SonoPlex 20G x 6" (150mm) echogenic needle with distal opening, E-Cath Plus 20G echogenic Self-Priming catheter with closed tip and 3 lateral openings and fixed injection tubing, FixoCath catheter fixation device	251285-41E	10

SonoLong Echo

Echogenic, Catheter Through Needle CNB System with echogenic, stimulating needle

- ➔ Echogenic plastic catheter
- ➔ Catheter dispenser with automatic stylet removal
- ➔ Cornerstone Reflectors (360°)
- ➔ NanoLine Coating
- ➔ 2 Bevel Configurations (Facet, Tuohy)
- ➔ Stimulation Cable



Product advantages at a glance:

- 1 Improved catheter visibility under ultrasound, MRI and X-ray
- 2 MR safe
- 3 Catheter remains sterile during the whole procedure
- 4 Removable stylet adds stability and improves catheter threadability
- 5 Improved ultrasound visibility of needle tip at any angle (with Facet tip)
- 6 Improved ultrasound visibility of needle shaft
- 7 Smooth tissue gliding
- 8 Precise nerve stimulation

Item Description	Item no.	PU
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19G x 2" (50mm) SonoLong NanoLine echogenic needle with facet tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Echo 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	531185-31A	10
19G x 4" (100mm) SonoLong NanoLine echogenic needle with facet tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Echo 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	521185-31A	10

Item Description	Item no.	PU
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18G x 2" (50mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Echo 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	531185-31C	10
18G x 4" (100mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Echo 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	521185-31C	10
18G x 6" (150mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Echo 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	511185-31C	10
18G x 2" (50mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Echo 20G x 23" (60cm) echogenic catheter with closed tip and 3 lateral openings, catheter container with introducer aid, 30cm graduation, clamping adapter	531185-31CU	10
18G x 4" (100mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Echo 20G x 23" (60cm) echogenic catheter with closed tip and 3 lateral openings, catheter container with introducer aid, 30cm graduation, clamping adapter	521185-31CU	10

SonoLong Curl Echo

Echogenic, Catheter Through Needle CNB System with echogenic, stimulating needle

- ➔ Echogenic plastic catheter supported by a helical coil
- ➔ Curled catheter with closed tip and 6 lateral eyes
- ➔ Catheter dispenser
- ➔ Cornerstone Reflectors (360°)
- ➔ NanoLine Coating
- ➔ Tuohy tip
- ➔ Stimulation Cable



Tuohy tip



Closed tip 6 lateral eyes Curl Catheter

Product advantages at a glance:

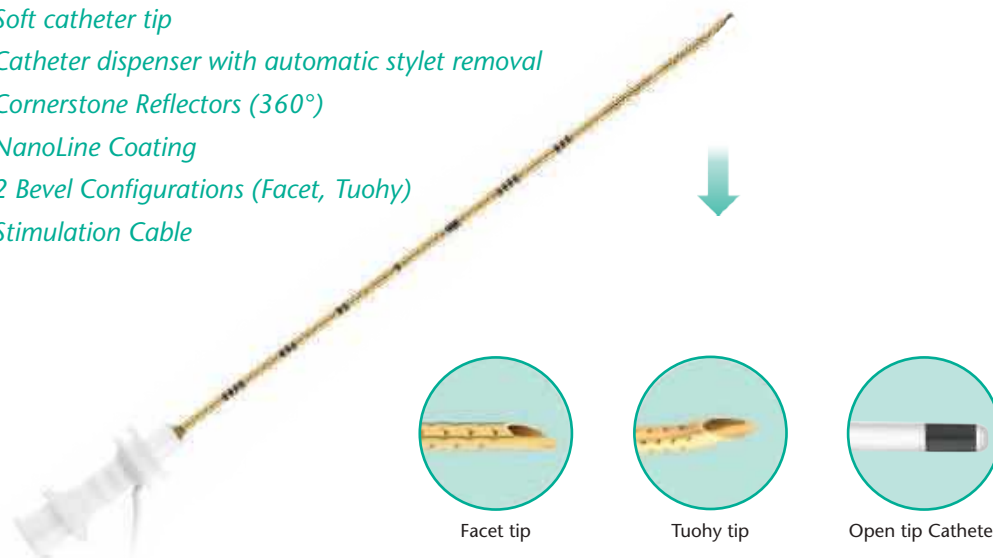
- 1 Improved catheter visibility under ultrasound and X-ray
- 2 Designed for a more precise catheter tip positioning
- 3 Enables an even distribution of anesthetic
- 4 Catheter remains sterile during the whole procedure
- 5 Improved ultrasound visibility of needle shaft
- 6 Smooth tissue gliding
- 7 Precise nerve stimulation

Item Description	Item no.	PU
18G x 2" (50mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Curl Echo 20G x 35" (90cm) echogenic catheter with closed tip and 6 lateral openings, catheter container with introducer aid, 30cm graduation, helical coil, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	531188-34C	10
18G x 4" (100mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Curl Echo 20G x 35" (90cm) echogenic catheter with closed tip and 6 lateral openings, catheter container with introducer aid, 30cm graduation, helical coil, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	521188-34C	10

SonoLong Sono

Echogenic, Catheter Through Needle CNB System with echogenic, stimulating needle

- ➔ Echogenic plastic catheter supported by a helical coil
- ➔ Soft catheter tip
- ➔ Catheter dispenser with automatic stylet removal
- ➔ Cornerstone Reflectors (360°)
- ➔ NanoLine Coating
- ➔ 2 Bevel Configurations (Facet, Tuohy)
- ➔ Stimulation Cable



Product advantages at a glance:

- 1 Improved catheter visibility under ultrasound and X-ray
- 2 Catheter remains sterile during the whole procedure
- 3 Removable stylet adds stability and improves catheter thredability
- 4 Improved ultrasound visibility of needle tip at any angle (with Facet tip)
- 5 Improved ultrasound visibility of needle shaft
- 6 Smooth tissue gliding
- 7 Precise nerve stimulation

Item Description	Item no.	PU
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19G x 2" (50mm) SonoLong NanoLine echogenic needle with facet tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Sono 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	531187-31A	10
19G x 4" (100mm) SonoLong NanoLine echogenic needle with facet tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Sono 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	521187-31A	10

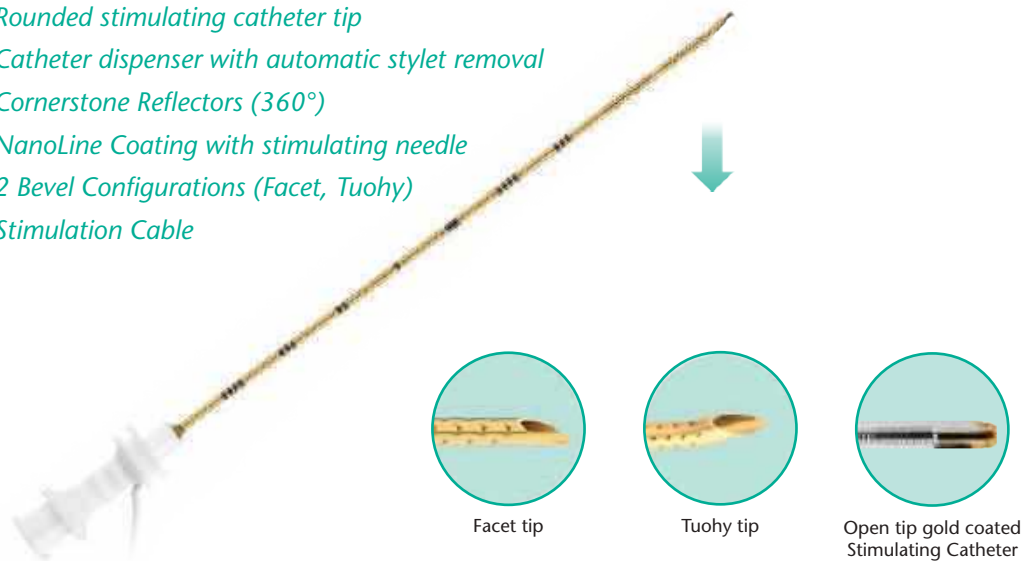
Item Description	Item no.	PU
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18G x 2" (50mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Sono 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	531187-31C	10
18G x 4" (100mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Sono 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	521187-31C	10
18G x 6" (150mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, SonoLong Sono 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	511187-31C	10

StimuLong Sono II

Echogenic, stimulating Catheter Through Needle CNB System with echogenic, stimulating needle

- ➔ Echogenic plastic catheter supported by a helical coil
- ➔ Rounded stimulating catheter tip
- ➔ Catheter dispenser with automatic stylet removal
- ➔ Cornerstone Reflectors (360°)
- ➔ NanoLine Coating with stimulating needle
- ➔ 2 Bevel Configurations (Facet, Tuohy)
- ➔ Stimulation Cable



Product advantages at a glance:

- 1 Improved catheter visibility under ultrasound and X-ray
- 2 Catheter remains sterile during the whole procedure
- 3 More precise catheter tip positioning through stimulation option
- 4 Atraumatic catheter tip
- 5 Removable stylet adds stability and improves catheter threadability
- 6 Improved ultrasound visibility of needle tip at any angle (with Facet tip)
- 7 Improved ultrasound visibility of needle shaft
- 8 Smooth tissue gliding
- 9 Precise nerve stimulation (with stimulating needle)

Item Description	Item no.	PU
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19G x 2" (50mm) SonoLong NanoLine echogenic needle with facet tip, 60cm injection tubing, 60cm stimulation cable, StimuLong Sono II 20G x 20" (50cm) echogenic stimulating catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, electrically conductive stylet, clamping adapter with stimulation connection, connecting cable, Filter 0.2µm, FixoLong filter fixation device	531187-32A	10
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Item Description	Item no.	PU
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19G x 4" (100mm) SonoLong NanoLine echogenic needle with facet tip, 60cm injection tubing, 60cm stimulation cable, StimuLong Sono II 20G x 20" (50cm) echogenic stimulating catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, electrically conductive stylet, clamping adapter with stimulation connection, connecting cable, Filter 0.2µm, FixoLong filter fixation device	521187-32A	10
18G x 2" (50mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, StimuLong Sono II 20G x 20" (50cm) echogenic stimulating catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, electrically conductive stylet, clamping adapter with stimulation connection, connecting cable, Filter 0.2µm, FixoLong filter fixation device	531187-32C	10
18G x 4" (100mm) SonoLong NanoLine echogenic needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, StimuLong Sono II 20G x 20" (50cm) echogenic stimulating catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, electrically conductive stylet, clamping adapter with stimulation connection, connecting cable, Filter 0.2µm, FixoLong filter fixation device	521187-32C	10

PlexoLong NanoLine Catheter Through Needle CNB System with Ultrasound friendly, stimulating needle

- ➔ Catheter dispenser with automatic stylet removal
- ➔ NanoLine Coating
- ➔ 3 Bevel Configurations (Facet, Tuohy, SPROTTE® Special)
- ➔ Stimulation Cable



Product advantages at a glance:

- 1 Catheter remains sterile during the whole procedure
- 2 Removable stylet adds stability and improves catheter threadability
- 3 Smooth tissue gliding
- 4 Improved ultrasound visibility of needle tip at any angle (with Facet tip)
- 5 Precise nerve stimulation
- 6 Safe atraumatic puncture (with SPROTTE tip)

Item Description	Item no.	PU
19G x 2" (50mm) PlexoLong NanoLine needle with facet tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong 20G x 20" (50cm) catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	531156-31A	10
19G x 4" (100mm) PlexoLong NanoLine needle with facet tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong 20G x 20" (50cm) catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	521156-31A	10
21G x 1 1/5" (30mm) PlexoLong NanoLine needle with Sprotte special tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong 25G x 20" (50cm) catheter with closed tip and 3 lateral openings, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	541156-31B	10

Item Description	Item no.	PU
21G x 1 1/5" (30mm) PlexoLong NanoLine needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong 25G x 20" (50cm) catheter with closed tip and 3 lateral openings, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	541156-31C	10
18G x 2" (50mm) PlexoLong NanoLine needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong 20G x 20" (50cm) catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	531156-31C	10
18G x 4" (100mm) PlexoLong NanoLine needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong 20G x 20" (50cm) catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	521156-31C	10
18G x 6" (150mm) PlexoLong NanoLine needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong 20G x 20" (50cm) catheter with open tip, catheter container with introducer aid, 30cm graduation, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	511156-31C	10

PlexoLong Sono NanoLine

Echogenic Catheter Through Needle CNB System with Ultrasound friendly, stimulating needle

- ➔ Echogenic plastic catheter supported by a helical coil
- ➔ Soft catheter tip
- ➔ Catheter dispenser with automatic stylet removal
- ➔ NanoLine Coating
- ➔ 2 Bevel Configurations (Facet, Tuohy)



Product advantages at a glance:

- 1 Improved catheter visibility under ultrasound and X-ray
- 2 Catheter remains sterile during the whole procedure
- 3 Removable stylet adds stability and improves catheter threadability
- 4 Improved ultrasound visibility of needle tip at any angle (with Facet tip)
- 5 Smooth tissue gliding
- 6 Precise nerve stimulation

Item Description	Item no.	PU
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19G x 2" (50mm) PlexoLong NanoLine needle with facet tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong Sono 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	531157-31A	10
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19G x 4" (100mm) PlexoLong NanoLine needle with facet tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong Sono 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	521157-31A	10
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Item Description	Item no.	PU
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18G x 2" (50mm) PlexoLong NanoLine needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong Sono 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	531157-31C	10
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18G x 4" (100mm) PlexoLong NanoLine needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, PlexoLong Sono 20G x 20" (50cm) echogenic catheter with open tip, catheter container with introducer aid, 30cm graduation, helical coil, steel stylet, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	521157-31C	10
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StimuLong NanoLine

Echogenic, stimulating Catheter Through Needle CNB System with Ultrasound friendly, stimulating needle

- ➔ Echogenic plastic catheter
- ➔ Rounded stimulating catheter tip
- ➔ Catheter dispenser
- ➔ NanoLine Coating
- ➔ Tuohy Tip
- ➔ Stimulation Cable



Tuohy tip

Open tip gold coated Stimulating Catheter

Product advantages at a glance:

- 1 Improved catheter visibility under ultrasound and X-ray
- 2 Catheter remains sterile during the whole procedure
- 3 More precise catheter tip positioning through stimulation option
- 4 Atraumatic catheter tip
- 5 Smooth tissue gliding
- 6 Precise nerve stimulation

Item Description	Item no.	PU
18G x 2" (50mm) PlexoLong NanoLine needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, StimuLong Sono 20G x 20" (50cm) stimulating catheter with open tip, catheter container with introducer aid, 30cm graduation, electrically conductive stylet, clamping adapter with stimulation connection, connecting cable, Filter 0.2µm, FixoLong filter fixation device	531156-32C	10
18G x 4" (100mm) PlexoLong NanoLine needle with Tuohy tip, 60cm injection tubing, 60cm stimulation cable, StimuLong Sono 20G x 20" (50cm) stimulating catheter with open tip, catheter container with introducer aid, 30cm graduation, electrically conductive stylet, clamping adapter with stimulation connection, connecting cable, Filter 0.2µm, FixoLong filter fixation device	521156-32C	10

NerveGuard

Automatic system for injection pressure limitation



➔ Automatic injection pressure mechanism



Product advantages at a glance:

- 1 Automatically limits injection pressure at 15psi

Size	Item no.	PU
NerveGuard LUER, sterile	001151-38M	10

MultiStim ECO

Nerve Stimulator



- ➔ Limited, easy settings
- ➔ Snap-on button
- ➔ Direct connection to the needle



Product advantages at a glance:

- 1 Economical
- 2 Simple operation
- 3 Simple fixation by adhesive electrode
- 4 No need for costly replacement cables

Item Description	Item no.	PU
Dual Guidance nerve stimulator for peripheral anesthesia and neuro-muscular stimulation. Fixed pulse width 0.1ms, fixed stimulation frequency 1hz, adjustable current intensity max. 2mA (needle or catheter), stimulation voltage max. 24V. Includes plastic equipment case, instructions manual, 2 x 1,5V LR1 batteries	1151-94-50	1

MultiStim SENSOR Nerve Stimulator

- ➔ PEG (Percutaneous Electrode Guidance) optional
- ➔ Large and clearly arranged display
- ➔ Analog current dial
- ➔ Safety features



Product advantages at a glance:

- 1 Allows transcutaneous pre-assessment of puncture site
- 2 Nerve stimulation and anatomy training support
- 3 Improved safety features
- 4 Smooth and precise current adjustment

Item Description	Item no.	PU
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Nerve stimulator for peripheral anesthesia and neuro-muscular stimulation. Adjustable pulse width 0.05ms - 1.0ms, adjustable stimulation frequency 1hz - 2hz, adjustable current intensity max. 6mA (needle or catheter), 60mA (PEG - percutaneous localization), stimulation voltage max. 65V. Includes plastic equipment case, patient cable for connection of stimulating needle, instructions manual, red pin, 9V battery

1151-94-30 1

Nerve stimulator for peripheral anesthesia and neuro-muscular stimulation. Adjustable pulse width 0.05ms - 1.0ms, adjustable stimulation frequency 1hz - 2hz, adjustable current intensity max. 6mA (needle or catheter), 60mA (PEG - percutaneous localization), stimulation voltage max. 65V. Includes plastic equipment case, patient cable Y-split for connection of stimulating needle and PEG-electrode, autoclavable PEG-electrode, instructions manual, red pin, 9V battery

1151-94-32 1

MultiStim SWITCH Nerve Stimulator

- ➔ Built-in impedance monitor
- ➔ Option to switch from needle to catheter stimulation
- ➔ Large and clearly arranged display
- ➔ Analog current dial
- ➔ Safety features



Product advantages at a glance:

- 1 Procedure simplification when stimulating through needle and catheter
- 2 Improved safety features
- 3 Smooth and precise current adjustment

Item Description	Item no.	PU
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Nerve stimulator for epidural anesthesia, peripheral anesthesia and neuro-muscular stimulation. Adjustable pulse width 0.05ms - 1.0ms, adjustable stimulation frequency 1hz - 2hz, adjustable current intensity max. 6mA (needle), 20mA (catheter), stimulation voltage max. 95V. Patient resistance technology with adjustable threshold values. Includes plastic equipment case, patient cable Y-split for connection of stimulating needle and catheter, instructions manual, red pin, 9V battery

1151-94-40 1

MultiStim Nerve Stimulator Accessories



Item Description	Item no.	PU
Patient cable with 2mm white male connector, red clamp for adhesive electrodes, for peripheral anesthesia and neuro-muscular stimulation (use with MultiStim VARIO or PLEX)	1151-94-02	1
Patient cable with 2mm white male connector, red clamp for adhesive electrodes, for peripheral anesthesia and neuro-muscular stimulation (metal connector, use with MultiStim SENSOR)	1151-94-05	1
Patient cable Y-split with 2mm white male connector, PEG-electrode connector, red clamp for adhesive electrodes, for peripheral anesthesia and neuro-muscular stimulation (metal connector, use with MultiStim SENSOR)	1151-94-06	1
Patient cable Y-split with 2mm white connector, 2mm yellow male catheter connector, red clamp for adhesive electrodes, for peripheral anesthesia and neuro-muscular stimulation (use with MultiStim SWITCH)	1151-94-07	1
Plastic case for MultiStim nerve stimulators with shaped foam insert and foam insert for the battery (original replacement)	1151-94-08	1
Patient cable with 2mm white male connector, red clamp for adhesive electrodes, for peripheral anesthesia and neuro-muscular stimulation (plastic sleeved connector, use with MultiStim SENSOR)	1151-94-13	1
Patient cable Y-split with 2mm white male connector, PEG-electrode connector, red clamp for adhesive electrodes, for peripheral anesthesia and neuro-muscular stimulation (plastic sleeved connector, use with MultiStim SENSOR)	1151-94-14	1

Item Description	Item no.	PU
Stimulation Monopolar PEG-electrode with 1 pin electrode, for percutaneous stimulation (use with MultiStim SENSOR)	1151-94-17	1
Stimulation Monopolar PEG-electrode with 1 ball electrode 10mm diameter, for percutaneous stimulation (use with MultiStim SENSOR)	1151-94-18	1
Extension cable, 40cm, 2.0mm to 2.0mm male-female, sterile, single packaged, autoclavable (use with MultiStim - all)	01151-861F	1
Extension cable, 40cm, alligator clamp to 2.0mm, sterile, single packaged (use with MultiStim - all)	01151-861G	1
Adapter cable, 40cm, red, Pajunk needles to Life-Tech nerve stimulators, sterile, single packaged, autoclavable (use with Pajunk needles - all)	01151-861P	10
Extension cable, 60cm, 2.0mm to 2.0mm male-female, sterile, single packaged, disposable (use with MultiStim - all)	01151-861Q	10

SaferSonic

Gel-Free ultrasound probe covers with adhesive window



- ➔ Integrated adhesive window
- ➔ Latex free materials
- ➔ Included adhesive fixation strip
- ➔ Sterile Gel (optional)



Product advantages at a glance:

- 1 Optimal ultrasound wave permeability
- 2 Easy, safe fixation

Size	Item no.	PU
18cm x 28cm ultrasound probe cover with gel pack, sterile	S11101	50
18cm x 120cm ultrasound probe cover with gel pack, sterile	S11102	50
18cm x 28cm ultrasound probe cover, sterile	S11103	50
18cm x 120cm ultrasound probe cover, sterile	S11104	50

CNB Accessories

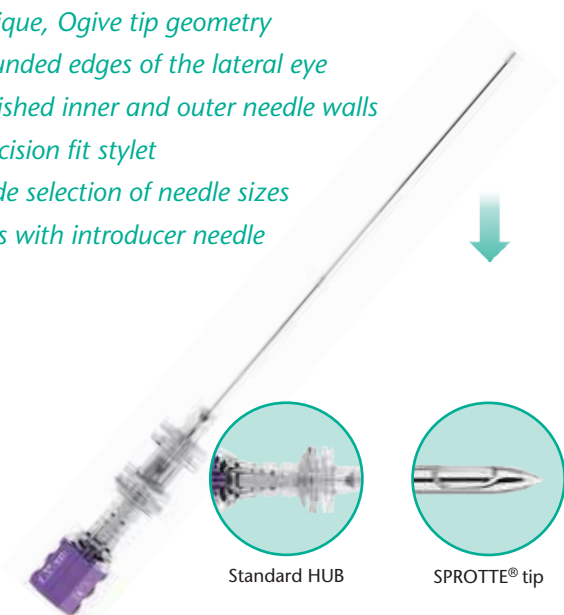


Item Description	Item no.	PU
Clamping adapter (yellow)	001151-37V	10
Filter 0.2µm LUER	001151-37X	10
FixoLong filter fixation device with Filter 0.2µm LUER	001151-41	10
MiniFilter 0.2µm LUER	001151-38K	10
FixoLong Mini filter fixation device	001151-43	10
FixoLong Mini filter fixation device with MiniFilter 0.2µm LUER	001151-44	10
FixoCath catheter fixation device	001151-37Z	10
Injection tubing 23" (60cm), sterile	001151-37R	10
Injection tubing 14" (35cm) with Y-connection for simultaneous use of 2 catheters, sterile	001151-37W	10

SPROTTE®

Standard atraumatic pencil point spinal needles with introducer needle

- ➔ Unique, Ogive tip geometry
- ➔ Rounded edges of the lateral eye
- ➔ Polished inner and outer needle walls
- ➔ Precision fit stylet
- ➔ Wide selection of needle sizes
- ➔ Sets with introducer needle



Product advantages at a glance:

- 1 Non-cutting, atraumatic tip
- 2 Reduced chance of dura tearing
- 3 Improved CSF backflow for quicker identification
- 4 Smooth gliding and improved tactile feedback

Size	Item no.	PU
22G x 3 1/2" (90mm) needle	021151-30C	25
22G x 4" (103mm) needle	221151-30C	25
22G x 4 3/4" (120mm) needle	131151-30C	10
22G x 6" (150mm) needle	141151-30C	10
22G x 8" (200mm) needle	0041151-30	10
24G x 2" (50mm) needle with 15mm introducer	021151-30F	25
24G x 3 1/2" (90mm) needle	121151-30A	25
24G x 4" (103mm) needle	021151-30A	25
24G x 4 3/4" (120mm) needle	041151-30A	10
24G x 6" (150mm) needle with	131151-30A	10
24G x 8" (200mm) needle	0051151-30	10
25G x 1 3/8" (35mm) needle with 10mm introducer	021151-29E	25
25G x 3 1/2" (90mm) needle	021151-29A	25
25G x 4" (103mm) needle	041151-29A	25
25G x 4 3/4" (120mm) needle	051151-29A	10
25G x 6" (150mm) needle	061151-29A	10
25G x 7" (180mm) needle	071151-29A	10

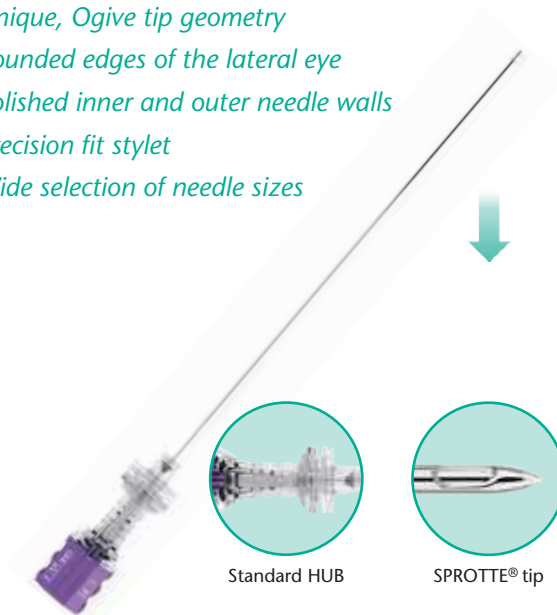
NOTE: All needles come with color coded stylet

■ 22G ■ 24G ■ 25G

SPROTTE®

Standard atraumatic pencil point spinal needle

- ➔ Unique, Ogive tip geometry
- ➔ Rounded edges of the lateral eye
- ➔ Polished inner and outer needle walls
- ➔ Precision fit stylet
- ➔ Wide selection of needle sizes



Product advantages at a glance:

- 1 Non-cutting, atraumatic tip
- 2 Reduced chance of dura tearing
- 3 Improved CSF backflow for quicker identification
- 4 Smooth gliding and improved tactile feedback

Size	Item no.	PU
22G x 2" (50mm) needle	071151-30C	25
24G x 1" (25mm) needle	001151-30D	25
24G x 1 3/8" (35mm) needle	001151-30E	25
24G x 3 1/2" (90mm) needle	001151-30A	25
25G x 1 3/8" (35mm) needle	001151-29E	25

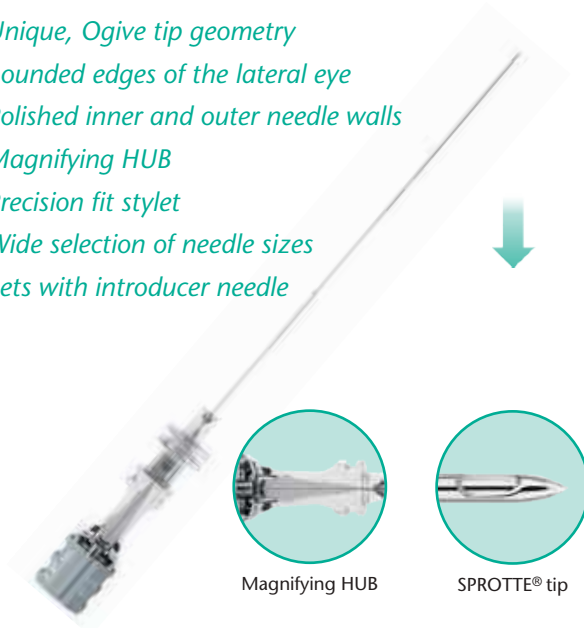
NOTE: All needles come with color coded stylet

■ 22G ■ 24G ■ 25G

SPROTTE®

Atraumatic pencil point spinal needles with magnification and introducer needle

- ➔ Unique, Ogive tip geometry
- ➔ Rounded edges of the lateral eye
- ➔ Polished inner and outer needle walls
- ➔ Magnifying HUB
- ➔ Precision fit stylet
- ➔ Wide selection of needle sizes
- ➔ Sets with introducer needle



Product advantages at a glance:

- 1 Non-cutting, atraumatic tip
- 2 Reduced chance of dura tearing
- 3 Improved CSF backflow
- 4 Smooth gliding and improved tactile feedback
- 5 Easy identification of even the smallest amounts of CSF

Size	Item no.	PU
25G x 3 1/2" (90mm) needle	511151-29A	25
25G x 4" (103mm) needle	161151-29A	25
25G x 4 3/4" (120mm) needle	171151-29A	10
27G x 3 1/2" (90mm) needle	121151-27A	25
27G x 4" (103mm) needle	141151-27A	25
27G x 4 3/4" (120mm) needle	151151-27A	10
27G x 6" (150mm) needle	171151-27A	10
29G x 3 1/2" (90mm) needle	501151-28A	25

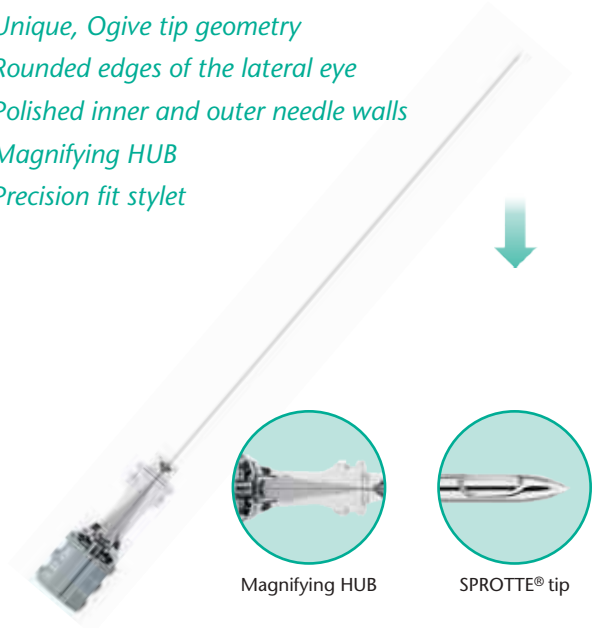
NOTE: All needles come with color coded stylet

■ 25G ■ 27G ■ 29G

SPROTTE®

Atraumatic pencil point spinal needles with magnification

- ➔ Unique, Ogive tip geometry
- ➔ Rounded edges of the lateral eye
- ➔ Polished inner and outer needle walls
- ➔ Magnifying HUB
- ➔ Precision fit stylet



Product advantages at a glance:

- 1 Non-cutting, atraumatic tip
- 2 Reduced chance of dura tearing
- 3 Improved CSF backflow
- 4 Smooth gliding and improved tactile feedback
- 5 Easy identification of even the smallest amounts of CSF

Size	Item no.	PU
27G x 1 3/8" (35mm) needle	111151-27A	25
27G x 4 7/8" (123mm) needle	231151-27A	10

NOTE: All needles come with color coded stylet

■ 27G

SPROTTE®

Atraumatic pencil point Lumbar Puncture needles with introducer needle and wings

- ➔ Unique, Ogive tip geometry
- ➔ Rounded edges of the lateral eye
- ➔ Polished inner and outer needle walls
- ➔ Precision fit stylet
- ➔ Wide selection of needle sizes
- ➔ Detachable plastic wings



SPROTTE® tip

Product advantages at a glance:

- 1 Non-cutting, atraumatic tip
- 2 Reduced chance of dura tearing
- 3 Improved CSF backflow
- 4 Smooth gliding and improved tactile feedback
- 5 Optimum handling for different grip methods

Size	Item no.	PU
19G x 3 1/2" (90mm) needle	321151-31C	25
20G x 3 1/2" (90mm) needle	331151-31B	25
20G x 4" (103mm) needle	341151-31B	25
20G x 4 3/4" (120mm) needle	321151-31B	25
20G x 6" (150mm) needle	361151-31B	10
21G x 3 1/2" (90mm) needle	321151-31A	25
21G x 4" (103mm) needle	341151-31A	25
21G x 4 3/4" (120mm) needle	331151-31A	25
22G x 3 1/2" (90mm) needle	321151-30C	25
22G x 4" (103mm) needle	341151-30C	25
22G x 4 3/4" (120mm) needle	331151-30C	25

NOTE: All needles come with color coded stylet

■ 19G ■ 20G ■ 21G ■ 22G

SPROTTE® Standard Curved Specialty atraumatic pencil point spinal needle

- ➔ Unique, Ogive curved tip geometry
- ➔ Rounded edges of the lateral eye
- ➔ Polished inner and outer needle walls
- ➔ Precision fit stylet
- ➔ Detachable plastic wings



SPROTTE® tip

Product advantages at a glance:

- 1 Non-cutting, atraumatic tip
- 2 Suitable for difficult puncturing conditions
- 3 Smooth gliding and improved tactile feedback
- 4 Optimum handling for different grip methods

Size	Item no.	PU
22G x 3 1/2" (90mm) needle	001152-30C	25
22G x 4 3/4" (120mm) needle	031152-30C	10
22G x 6" (150mm) needle	041152-30C	10

■ 22G

Introducer Needle

Matching Introducer for SPROTTE spinal needles

- ➔ Matching size introducer
- ➔ Special diameter
- ➔ Special inner shape of the introducer hub



Product advantages at a glance:

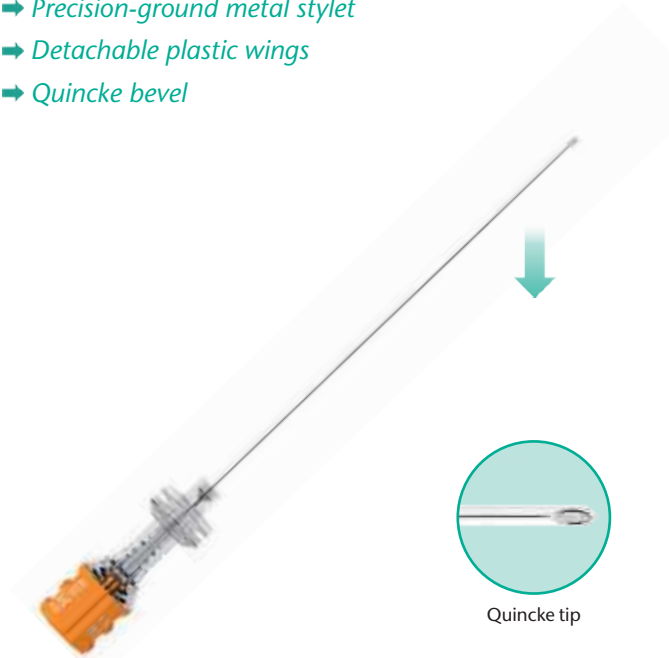
- 1 Alternative subcutaneous puncture technique
- 2 Perfect match introducer for Sprotte needles
- 3 Prevents damage to the atraumatic SPROTTE® needle tip during introduction

Size	Item no.	PU
1 1/5" (30 mm) for 19G SPROTTE® Needle	091151-30L	25
1 1/5" (30 mm) for 20G SPROTTE Needle	061151-30L	25
1 1/5" (30 mm) for 21G SPROTTE Needle	051151-30L	25
1 1/5" (30 mm) for 22G SPROTTE Needle	001151-30L	25
1 1/5" (30 mm) for 24/25G SPROTTE Needle	021151-30L	25
1 1/5" (30 mm) for 27/29G SPROTTE Needle	071151-30L	25
1 3/5" (40 mm) for 22G SPROTTE Needle	001151-30M	25
1 3/5" (40 mm) for 24/25G SPROTTE Needle	021151-30M	25
1 3/5" (40 mm) for 27/29G SPROTTE Needle	071151-30M	25

QUINCKE

Spinal needles with Quincke bevel

- ➔ Precision-ground metal stylet
- ➔ Detachable plastic wings
- ➔ Quincke bevel



Product advantages at a glance:

- 1 Additional needle stability (long and small G-size needles)
- 2 Minimized tissue coring and improved gliding characteristics
- 3 Reduced puncture force

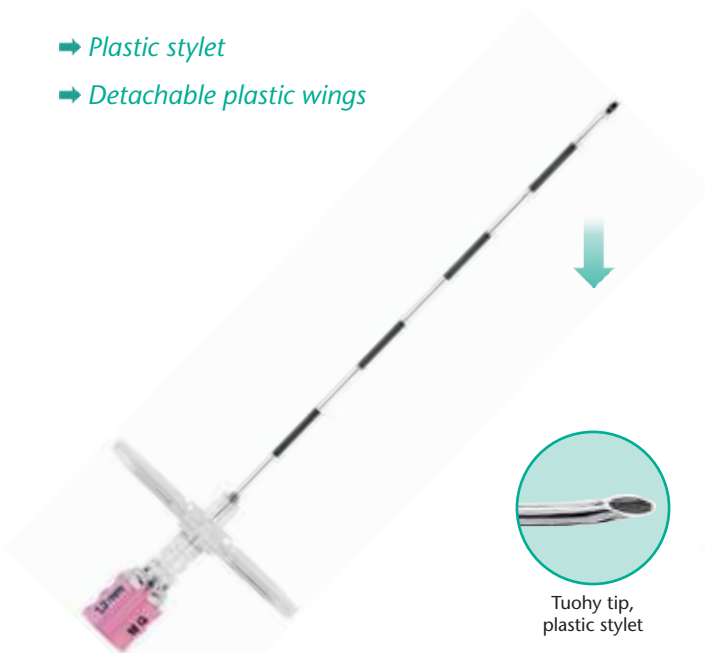
Size	Item no.	PU
18G x 6" (152mm) needle with plastic hub	1149-3K152	10
20G x 3 1/2" (90mm) needle with metal hub	1149-4G090	25
20G x 6" (152mm) needle with plastic hub	1149-4G152	10
22G x 2" (50mm) needle with plastic hub	1149-3E050	25
22G x 3 1/2" (90mm) needle with plastic hub	1149-3E090	25
22G x 6" (150mm) needle with plastic hub	1149-3E152	10
25G x 3 1/2" (90mm) needle with plastic hub	1149-3C090	25
25G x 4 3/4" (120mm) needle with plastic hub	1149-3C120	10

NOTE: All needles come with color coded stylet

18G
 20G
 22G
 25G

Tuohy Needles for epidural anesthesia with plastic stylet and wings

- ➔ Plastic stylet
- ➔ Detachable plastic wings



Product advantages at a glance:

- 1 Correspondingly lower cost
- 2 Optimum handling for different grip methods

Size	Item no.	PU
17G x 3 1/2" (90mm) needle with 1cm graduation	1150-6M091	25
18G x 3 1/2" (90mm) needle with 1cm graduation	1150-6K091	25

NOTE: All needles come with color coded stylet

■ 17G ■ 18G

Tuohy Needles for epidural anesthesia with metal stylet and wings

- ➔ Precision-ground metal stylet
- ➔ Detachable plastic wings



Product advantages at a glance:

- 1 Additional needle stability (long and small G-size needles)
- 2 Minimized tissue coring and improved gliding characteristics
- 3 Optimum handling for different grip methods

Size	Item no.	PU
17G x 3 1/2" (90mm) needle with 1cm graduation	1150-4M090	25
17G x 4 3/4" (120mm) needle with 1cm graduation	1150-4M120	10
17G x 6" (150mm) needle with 1cm graduation	1150-4M150	10
17G x 8" (200mm) needle with 1cm graduation	1150-4M200	10
18G x 2" (50mm) needle with 1cm graduation	1150-4K050	25
18G x 3 1/2" (90mm) needle with 1cm graduation	1150-4K090	25
18G x 4 3/4" (120mm) needle with 1cm graduation	1150-4K120	10
18G x 6" (150mm) needle with 1cm graduation	1150-4K150	10
18G x 8" (200mm) needle with 1cm graduation	1150-4K200	10
20G x 3 1/2" (90mm) needle with 1cm graduation	1150-4G090	25
20G x 6" (150mm) needle with 1cm graduation	1150-4G150	10
22G x 3 1/4" (80mm) needle with 1cm graduation	1150-4E080	25
22G x 3 1/2" (90mm) needle with 1cm graduation	1150-4E090	25
22G x 4 3/4" (120mm) needle with 1cm graduation	1150-4E120	10

NOTE: All needles come with color coded stylet

■ 17G ■ 18G ■ 20G ■ 22G

Mancao

Dual needle system for epidural anesthesia

- ➔ Graduated needle
- ➔ Rounded safety tip (inner needle)
- ➔ Precision-ground metal stylet
- ➔ Locking mechanism
- ➔ Plastic wings



Product advantages at a glance:		
1	Safe ligamentum flavum penetration without the risk of dura puncture	
2	Additional needle stability	
3	Minimized tissue coring and improved gliding characteristics	
4	Optimum handling	
Size	Item no.	PU
18G x 3 1/4" (80mm) dual-needle system	0001151-20	10

Crawford

Crawford type needle for caudal anesthesia

- ➔ Graduated needle
- ➔ Depth Stop
- ➔ Cone shaped tip geometry
- ➔ Detachable plastic wings



Product advantages at a glance:		
1	Easy identification of puncture depth	
2	Increased protection	
3	Particularly suitable for pediatric puncture	
4	Optimum handling for different grip methods	
Size	Item no.	PU
22G x 1 5/8" (40mm) needle with 45° facet tip	1149-12E040	25

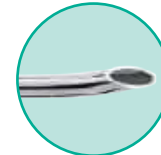
EpiLong Sets

Catheter Sets for epidural anesthesia

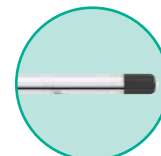
- ➔ Precision-ground metal stylet
- ➔ Optional plastic stylet
- ➔ Detachable plastic wings
- ➔ Polyamide catheter with closed tip
- ➔ Polyamide catheter with central opening



Tuohy tip, metal stylet



Tuohy tip, plastic stylet



Open or Closed tip Catheter

Product advantages at a glance:

- 1 Additional needle stability (long and small G-size needles)
- 2 Minimized tissue coring and improved gliding characteristics
- 3 Correspondingly lower cost (plastic stylet)
- 4 Optimum handling for different grip methods
- 5 Ideal balance of stability and softness
- 6 Easy to advance and remove

Item Description	Item no.	PU
EpiLong I Set 19G x 2" (50mm) Tuohy needle with graduation, metal stylet and wings, EpiLong Echo 21G x 20" (50cm) catheter with closed tip and 3 lateral openings, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm	0131153-51	10
EpiLong Tuohy Set 21G x 1 1/2" (40mm) Tuohy NanoLine needle with graduation, metal stylet and wings, EpiLong Echo 25G x 20" (50cm) catheter with closed tip and 3 lateral openings, steel stylet, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm	0131156-51	10
EpiLong Tuohy Set 18G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, plastic stylet and wings, EpiLong 20G x 35" (90cm) catheter with open tip, clamping adapter, Filter 0.2µm	0521152-51	10
EpiLong Tuohy Set 18G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, plastic stylet and wings, EpiLong 20G x 35" (90cm) catheter with closed tip and 3 lateral openings, clamping adapter, Filter 0.2µm	0321152-51	10

EpiLong Soft Sets

Soft Catheter Sets for epidural anesthesia

- ➔ Precision-ground metal stylet
- ➔ Detachable plastic wings
- ➔ Soft Catheter
- ➔ Integrated metal helical coil
- ➔ Removable steel stylet
- ➔ Closed tip and 6 lateral eyes



Product advantages at a glance:

- 1 Additional needle stability (long and small G-size needles)
- 2 Minimized tissue coring and improved gliding characteristics
- 3 Optimum handling for different grip methods
- 4 Reduced chance of vessel puncture, parasthesia and improved patient comfort
- 5 Kink resistant
- 6 Stable and improved catheter threadability
- 7 Optimal spread of anesthetic

Item Description

Item no. PU

EpiLong Soft Set 18G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, metal stylet and wings, EpiLong Soft 20G x 35" (90cm) catheter with closed tip and 6 lateral openings, helical coil, steel stylet, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm, FixoLong filter fixation device	0431157-51	10
EpiLong Soft Set 17G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, metal stylet and wings, EpiLong Soft 19G x 35" (90cm) catheter with closed tip and 6 lateral openings, helical coil, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm, FixoLong filter fixation device	0431157-48	10
EpiLong Soft Set 17G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, metal stylet and wings, EpiLong Soft 19G x 35" (90cm) catheter with closed tip and 6 lateral openings, helical coil, clamping adapter, Filter 0.2µm, FixoLong filter fixation device	0421157-48	10

EpiLong Soft Sono Sets

Fully Echogenic Soft Catheter Sets for epidural anesthesia

- ➔ Cornerstone Reflectors (360°)
- ➔ Precision-ground metal stylet
- ➔ Detachable plastic wings
- ➔ Soft Catheter
- ➔ Integrated metal helical coil
- ➔ Removable steel stylet
- ➔ Closed tip and 6 lateral eyes



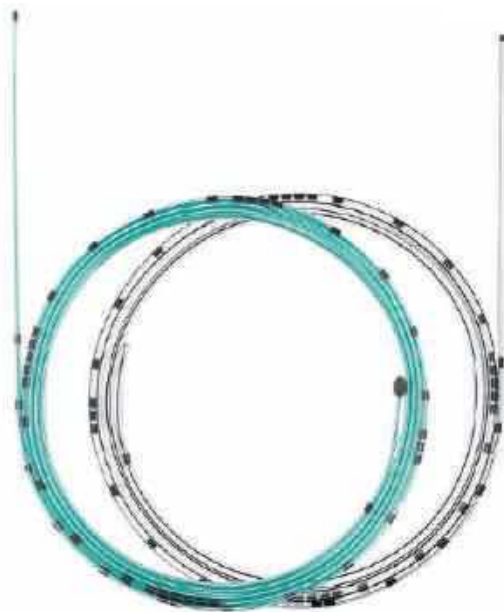
Product advantages at a glance:

- 1 Improved ultrasound visibility of needle shaft
- 2 Additional needle stability (long and small G-size needles)
- 3 Minimized tissue coring and improved gliding characteristics
- 4 Optimum handling for different grip methods
- 5 Reduced chance of vessel puncture, parasthesia and improved patient comfort
- 6 Kink resistant
- 7 Stable and improved catheter threadability
- 8 Optimal spread of anesthetic

Item Description	Item no.	PU
EpiLong Soft Sono Set 17G x 3 1/2" (90mm) Tuohy-Sono needle with 1cm graduation, metal stylet and wings, EpiLong Soft 19G x 35" (90cm) catheter with closed tip and 6 lateral openings, helical coil, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm, FixoLong filter fixation device	0431187-48	10
EpiLong Soft Sono Set 18G x 2" (50mm) Tuohy-Sono needle with 1cm graduation, metal stylet and wings, EpiLong Soft 20G x 35" (90cm) catheter with closed tip and 6 lateral openings, helical coil, steel stylet, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm, FixoLong filter fixation device	0631187-51	10
EpiLong Soft Sono Set 18G x 3 1/2" (90mm) Tuohy-Sono needle with 1cm graduation, metal stylet and wings, EpiLong Soft 20G x 35" (90cm) catheter with closed tip and 6 lateral openings, helical coil, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm, FixoLong filter fixation device	0431187-51	10

EpiLong Catheters

Catheters for epidural anesthesia



Size	Item no.	PU
EpiLong 20G x 35" (90cm) catheter with open tip, steel stylet and clamping adapter	011151-37C	10
EpiLong 20G x 35" (90cm) catheter with closed tip, 3 lateral openings and clamping adapter	021151-37C	10
EpiLong 20G x 35" (90cm) catheter with closed tip, 3 lateral openings, steel stylet and clamping adapter	001151-37C	10
EpiLong Soft 19G x 35" (90cm) catheter with closed tip, 6 lateral openings, helical coil and clamping adapter	041151-37P	10
EpiLong Soft 20G x 35" (90cm) catheter with closed tip, 6 lateral openings, helical coil, steel stylet and clamping adapter	041151-37R	10

Epidural Accessories

Components for EpiLong Sets

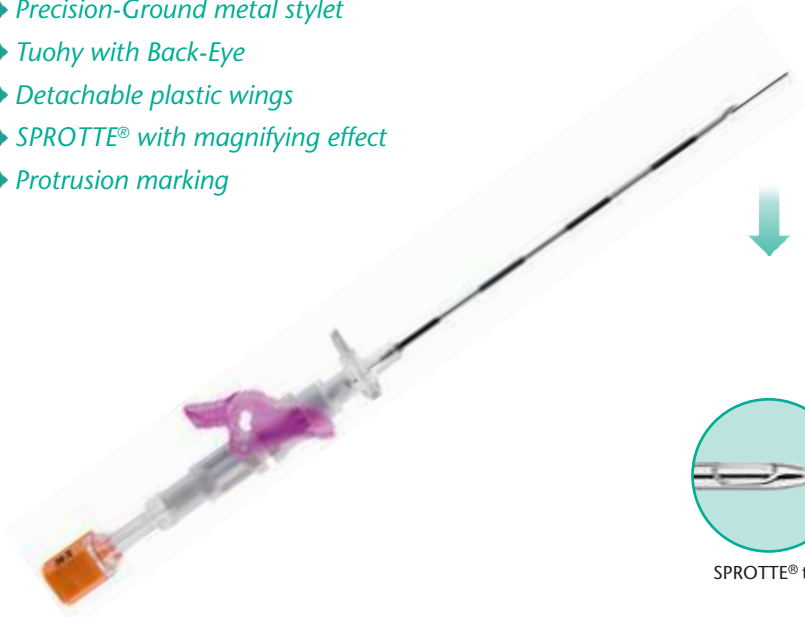


Size	Item no.	PU
Clamping adapter (yellow)	001151-37V	10
Clamping adapter (white)	001151-38C	10
Filter 0.2µm LUER	001151-37X	10
FixoLong filter fixation device with Filter 0.2µm LUER	001151-41	10
MiniFilter 0.2µm LUER	001151-38K	10
FixoLong Mini filter fixation device	001151-43	10
FixoLong Mini filter fixation device with MiniFilter 0.2µm LUER	001151-44	10
FixoCath catheter fixation device	001151-37Z	10
LOR syringe LUER 10ml Lock (plastic)	0001151-45	10

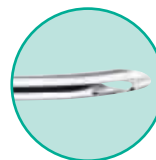
EpiSpin Lock

Combined Spinal-Epidural needles

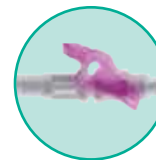
- ➔ Innovative Locking System
- ➔ Precision-Ground metal stylet
- ➔ Tuohy with Back-Eye
- ➔ Detachable plastic wings
- ➔ SPROTTE® with magnifying effect
- ➔ Protrusion marking



SPROTTE® tip



Tuohy tip with Back-Eye



Innovative Locking system

Product advantages at a glance:

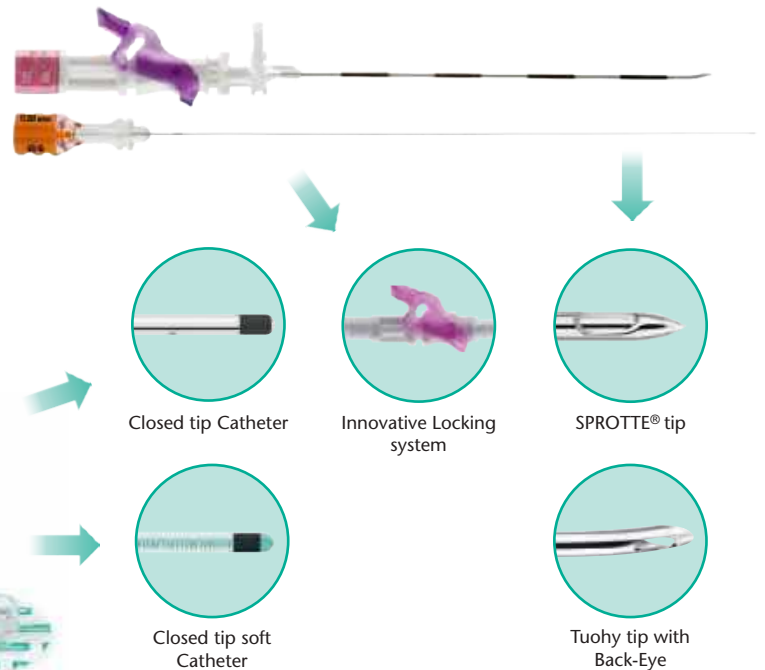
- 1 Ability to anchor the Sprotte needle in exactly the desired position
- 2 Sprotte needle can be retracted without having to open the locking system
- 3 Additional needle stability (long and small G-size needles)
- 4 Minimized tissue coring and improved gliding characteristics
- 5 Optimal positioning of the spinal needle
- 6 Optimum handling for different grip methods
- 7 Easy identification of even the smallest amounts of CSF
- 8 Considerably easier placement of Sprotte needle, facilitates safe puncture of Dura for spinal anesthesia.

Item Description	Item no.	PU
EpiSpin Lock 17G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 25G x 6" (152mm) needle with magnifying hub	0011351-20	10
EpiSpin Lock Set 17G x 5 3/8" (135mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 25G x 7 7/8" (197mm) needle with magnifying hub, syringe Luer 5ml Slip	0011351-25	10
EpiSpin Lock 18G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 25G x 6" (152mm) needle with magnifying hub	0011351-18	10
EpiSpin Lock 18G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 27G x 6 1/5" (155mm) needle with magnifying hub	0011351-30	10
EpiSpin Lock Set 18G x 5 3/8" (135mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 27G x 7 7/8" (197mm) needle with magnifying hub, syringe Luer 5ml Slip	0011351-26	10

EpiSpin Lock

Combined Spinal-Epidural Catheter Sets

- ➔ Innovative Locking System
- ➔ Precision-Ground metal stylet
- ➔ Tuohy with Back-Eye
- ➔ Detachable plastic wings
- ➔ SPROTTE® with magnifying effect
- ➔ Protrusion marking
- ➔ Polyamide catheter with closed tip
- ➔ Polyamide catheter with central opening
- ➔ Soft catheter with closed tip and 6 lateral eyes



Product advantages at a glance:

- 1 Ability to anchor the Sprotte needle in exactly the desired position
- 2 Sprotte needle can be retracted without having to open the locking system
- 3 Additional needle stability (long and small G-size needles)
- 4 Minimized tissue coring and improved gliding characteristics
- 5 Optimal positioning of the spinal needle
- 6 Optimum handling for different grip methods
- 7 Easy identification of even the smallest amounts of CSF
- 8 Considerably easier placement of Sprotte needle, facilitates safe puncture of Dura for spinal anesthesia.
- 9 Ideal balance of stability and softness (polyamide catheter)
- 10 Easy to advance and remove
- 11 Reduced chance of vessel puncture, parasthesia and improved patient comfort (soft catheter)
- 12 Kink resistant
- 13 Stable and improved catheter threadability
- 14 Optimal spread of anesthetic (soft catheter)

Item Description	Item no.	PU
EpiSpin Lock Set 18G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 25G x 6" (152mm) needle with magnifying hub, EpiLong 20G x 35" (90cm) catheter with closed tip and 3 lateral openings, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm	0021351-18	10

Item Description	Item no.	PU
EpiSpin Lock Set 18G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 27G x 6 1/5" (155mm) needle with magnifying hub, EpiLong 20G x 35" (90cm) catheter with closed tip and 3 lateral openings, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm	0021351-30	10
EpiSpin Lock Set 18G x 5 1/2" (135mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 25G x 7 7/8" (197mm) needle with magnifying hub, EpiLong 20G x 35" (90cm) catheter with closed tip and 3 lateral openings, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm	0121351-18	10
EpiSpin Lock Soft Set 18G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 27G x 6 1/5" (155mm) needle with magnifying hub, EpiLong Soft 20G x 35" (90cm) catheter with closed tip and 6 lateral openings, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm	0021352-30	10
EpiSpin Lock Soft Set 18G x 3 1/2" (90mm) Tuohy needle with 1cm graduation, backeye, metal stylet, wings and locking system, Sprotte 25G x 6" (152mm) needle with magnifying hub, EpiLong Soft 20G x 35" (90cm) catheter with closed tip and 6 lateral openings, clamping adapter, LOR syringe LUER 10ml Lock (plastic), Filter 0.2µm	0021352-18	10