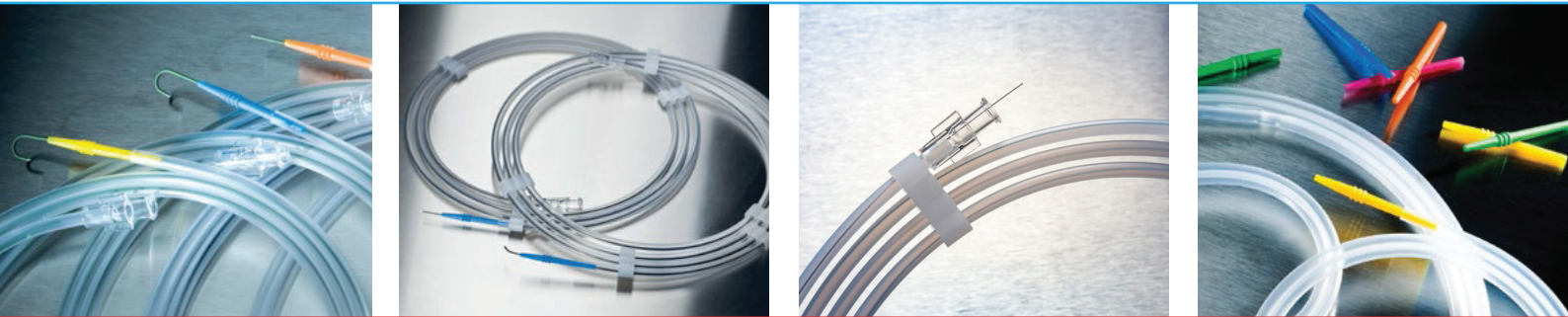


Global provider of medical devices,
plastics solutions and pharmaceutical systems



Guide Wires



Production site in Poland



Headquarter in Denmark

SP Medical's CE marked guide wires are certified under the Medical Device Regulations 2017/745/EEC.

SP Medical develops, manufactures, and distributes disposable items such as guide wires to the hospital sector focusing on minimally invasive procedures in the field of cardiology, radiology, urology and gastro.

At the state-of-the-art facilities in Denmark and Poland, SP Medical manufactures medical devices, single use devices and components, and applies function enhancing coatings to a number of products.

SP Medical is a company in SP Group A/S, an international plastics group headquartered in Denmark. SP Group is listed on NASDAQ OMX Copenhagen.

Brief overview of SP Medical's guide wire program



Champion PTCA Guide Wire

Page 4-5

Intended for: General use in the coronary vasculature to aid in the selective placement of interventional devices during diagnostic and/or therapeutic procedures.

- One core construction
- Platinum tip for high radiopacity
- PTFE coating for reduced shaft friction
- Hydrophilic coating for reduced tip friction
- Available for both cardiology and CTO



Poseidon Hydrophilic Nitinol Guide Wire

Page 6

Intended for: General intravascular and coronary arterial use to aid in the selective placement of interventional devices during diagnostic and/or therapeutic procedures.

- High radiopacity
- Nitinol core for kink resistance
- Hydrophilic surface for reduced friction
- Available with different tip and shaft flexibilities
- Double ended available in dimensions 0.035', length 150 and 180



Poseidon URO Guide Wire

Page 7

Intended to: Facilitate the placement of interventional devices during diagnostic/therapeutic endourological and gastrointestinal procedures.

- High radiopacity
- Nitinol core for kink resistance
- Hydrophilic surface for reduced friction
- Available with different tip and shaft flexibilities
- Double ended available in dimensions 0.035', length 150 and 180



Accoat Guide Wire

Page 8-10

Intended for: General intravascular and coronary arterial use to aid in the selective placement of interventional devices during diagnostic and/or therapeutic procedures.

- Stainless steel core with / without PTFE coating
- Available with different tip and shaft flexibilities
- Available sub types: Seldinger - Seldinger Double Ended - Seldinger Movable



Accoat Standard Guide Wire

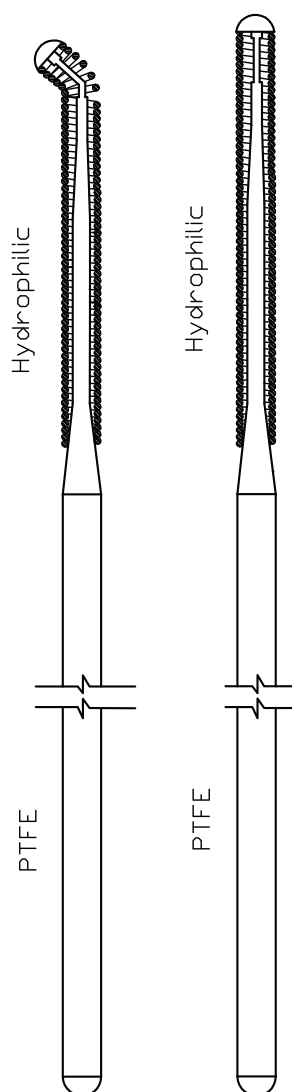
Page 11-12

Intended for: Placement of interventional devices during diagnostic and/or therapeutic procedures in peripheral vasculature procedures and endourologic procedures.

- Available sub types Lunderquist PTC - Schuller PTC
- Stainless steel core with / without PTFE coating
- Available with different length of distal flexible tip
- Schuller PTC available with different proximal flexible length

Complete listing of indications, contraindications, warnings and precautions can be found in the instructions for use.

Champion PTCA Guide Wire – For Cardiology use (CAR)



Dimension
Ø 0.014" / 0.36 mm

Length
195 cm
300 cm

Distal tip form
Straight
J-tip

Stent zone stiffness
Standard
Stiff

Tip stiffness
Extra Floppy
Floppy
Intermediate
Standard

Radiopaque length
3 cm

Coil surface
Hydrophilic coated

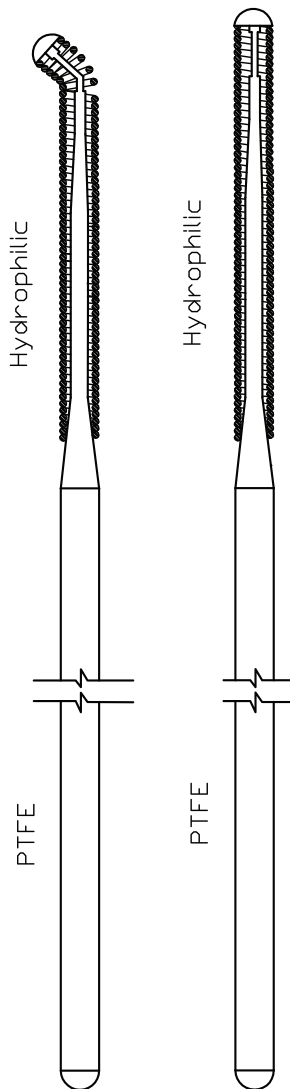
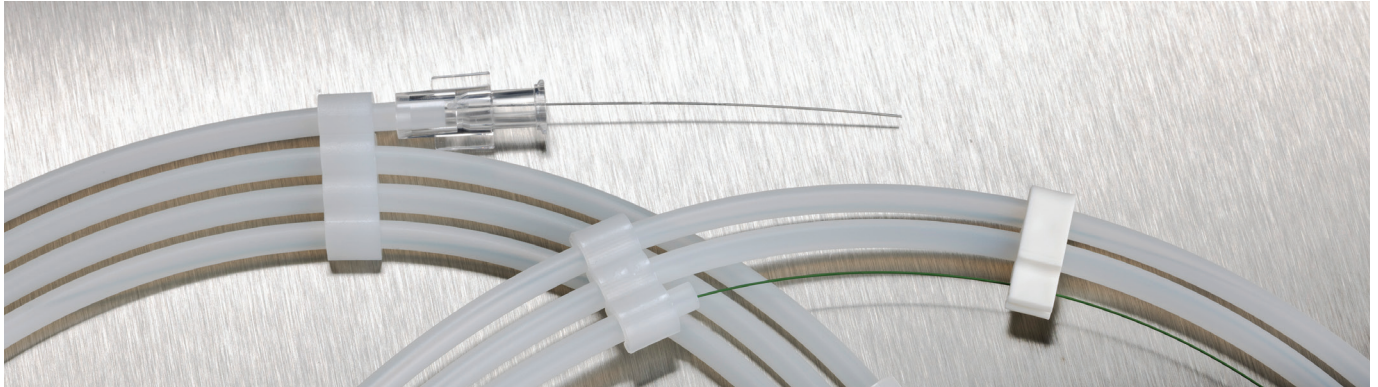
Shaft surface
PTFE coated

Description of item code

PTCA-CAR-S/J-HY-EF/F/I/ST-D/H-014-L
(example: PTCA-CAR-S-HY-F-D-014-195)

PTCA	Percutaneous Transluminal Coronary Angioplasty
CAR	For cardiology use
S	Straight tip
J	J-tip
HY	Coil surface hydrophilic coated
EF	Tip stiffness extra floppy
F	Tip stiffness floppy
I	Tip stiffness intermediate
ST	Tip stiffness standard
D	Stent zone stiffness standard
H	Stent zone stiffness stiff
014	Diameter of the guide wire 0.014" (0.36 mm)
L	Length of the guide wire <ul style="list-style-type: none"> ■ 195 cm ■ 300 cm

Champion PTCA Guide Wire – Stiff tip for highly stenosed lesions (CTO)



Dimension

Ø 0.014" / 0.36 mm

Length

195 cm
300 cm

Distal tip form

Straight
J-tip

Stent zone stiffness

Standard

Tip stiffness (Gram Force)

3 gf
6 gf
12 gf

Radiopaque length

3 cm

Coil surface

Hydrophilic coated

Shaft surface

PTFE coated

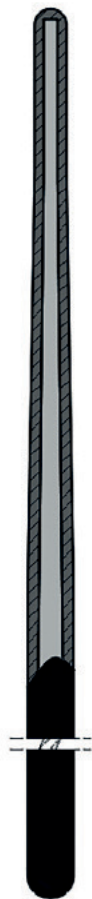
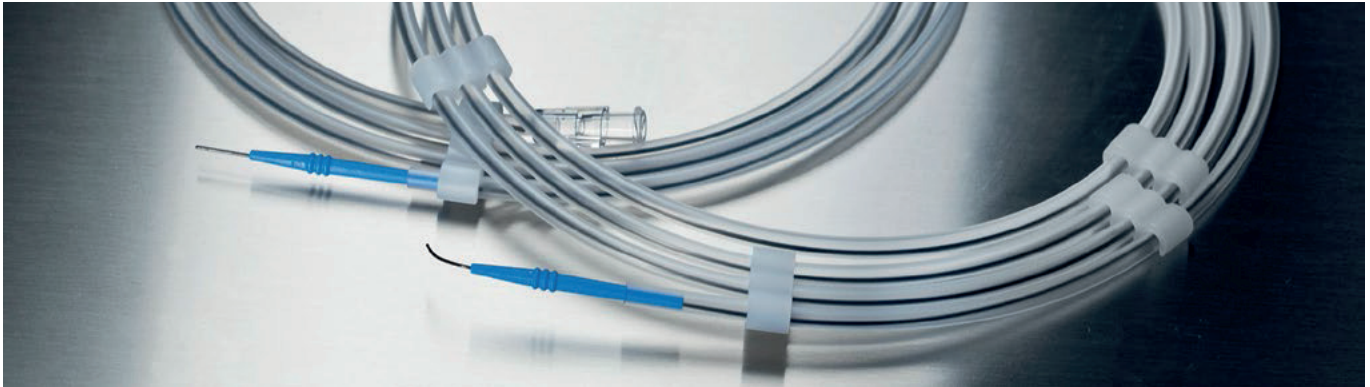
Description of item code

PTCA-CTO-S/J-HY-TS-D-014-L

(example: PTCA-CTO-S-HY-3-D-014-195)

PTCA	Percutaneous Transluminal Coronary Angioplasty
CTO	For highly stenosed lesions
S	Straight tip
J	J-tip
HY	Coil surface hydrophilic coated
TS	CTO tip stiffness. <ul style="list-style-type: none"> ▪ 3 gram force ▪ 6 gram force ▪ 12 gram force
D	Stent zone stiffness standard
014	Diameter of the guide wire 0.014" (0.36 mm)
L	Length of the guide wire <ul style="list-style-type: none"> ▪ 195 cm ▪ 300 cm

Poseidon Hydrophilic Nitinol Guide Wire



Dimensions

- Ø 0.018" / 0.46 mm
- Ø 0.025" / 0.64 mm
- Ø 0.032" / 0.82 mm
- Ø 0.035" / 0.89 mm
- Ø 0.038" / 0.97 mm

Length

30 – 260 cm

Surface

Hydrophilic coated - Black

Distal tip form

- Straight
- Reshapable
- Angled

Shaft stiffness

- Standard
- Stiff
- (Stiff not available in dim: 0.018")

Tip stiffness

- Floppy
- Soft
- Standard

Speciality Guide Wire:

Double Ended Flexible Tip

One end angled standard tip,
other end straight soft tip.
Stiff shaft stiffness.
Available dimension 0.035",
length 150 and 180 cm.

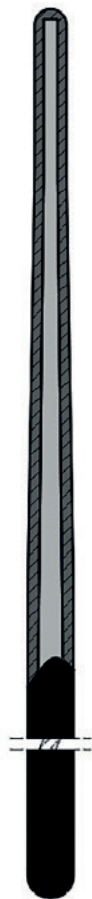
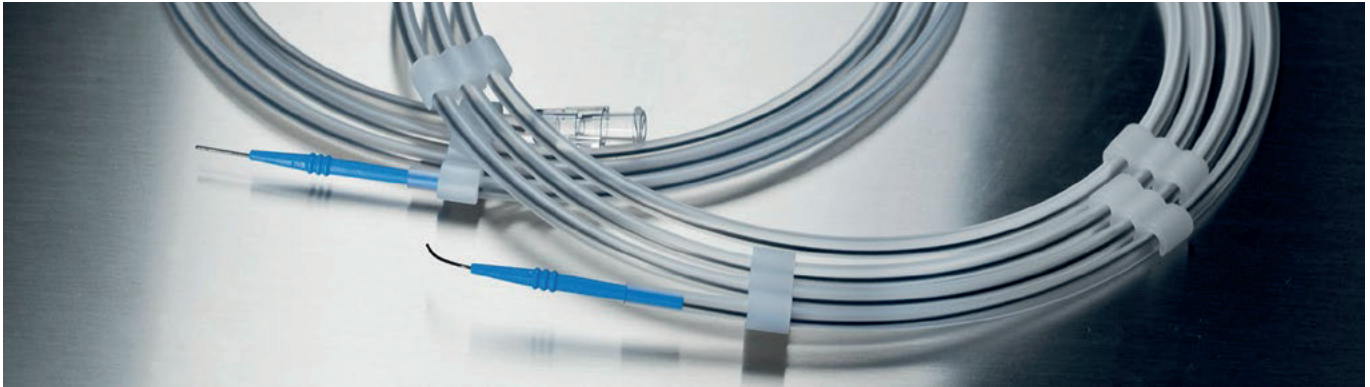
Customised products on request

Description of item code

HY-N-S/R/A-ST/SO/F-0xx-D/H-L
(example: HY-N-A-ST-035-D-150)

DE	Double ended
HY	Hydrophilic coating
N	Nitinol core
S	Straight tip
R	Reshapable tip
A	Angled tip
F	Floppy tip stiffness
SO	Soft tip stiffness
ST	Standard tip stiffness
0xx	Diameter of the guide wire 018: 0.018" (0.46 mm) 025: 0.025" (0.64 mm) 032: 0.032" (0.82 mm) 035: 0.035" (0.89 mm) 038: 0.038" (0.97 mm)
D	Standard shaft
H	Stiff shaft
L	Length of the guide wire ■ 30 - 260 cm

Poseidon URO Guide Wire



Dimensions

- Ø 0.018" / 0.46 mm
- Ø 0.025" / 0.64 mm
- Ø 0.032" / 0.82 mm
- Ø 0.035" / 0.89 mm
- Ø 0.038" / 0.97 mm

Length

30 – 260 cm

Surface

Hydrophilic coated - Black

Distal tip form

- Straight
- Reshapable
- Angled

Shaft stiffness

- Standard
- Stiff
- (Stiff not available in dim: 0.018")

Tip stiffness

- Floppy
- Soft
- Standard

Speciality Guide Wire:

Double Ended Flexible Tip

One end angled standard tip,
other end straight soft tip.
Stiff shaft stiffness.
Available dimension 0.035",
length 150 and 180 cm.

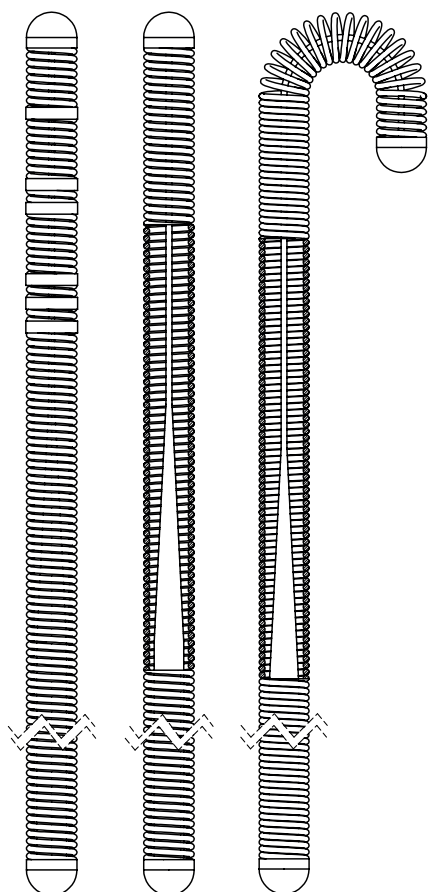
Customised products on request

Description of item code

URO-HY-N-S/R/A-ST/SO/F-0xx-D/H-L
(Example: URO-HY-N-A-ST-035-D-150)

URO	Poseidon URO Guide Wire
DE	Double ended
HY	Hydrophilic coating
N	Nitinol core
S	Straight tip
R	Reshapable tip
A	Angled tip
F	Floppy tip stiffness
SO	Soft tip stiffness
ST	Standard tip stiffness
0xx	Diameter of the guide wire 018: 0.018" (0.46 mm) 025: 0.025" (0.64 mm) 032: 0.032" (0.82 mm) 035: 0.035" (0.89 mm) 038: 0.038" (0.97 mm)
D	Standard shaft
H	Stiff shaft
L	Length of the guide wire ■ 30 - 260 cm

Accoat Guide Wire – Seldinger



Dimensions

- Ø 0.018" / 0.46 mm
- Ø 0.021" / 0.54 mm
- Ø 0.025" / 0.64 mm
- Ø 0.028" / 0.72 mm
- Ø 0.032" / 0.82 mm
- Ø 0.035" / 0.89 mm
- Ø 0.038" / 0.97 mm

Length

20 – 450 cm

Surface

Stainless steel
PTFE coated

Distal tip form

Straight tip
J-tip radius: 1,5 – 3 – 6 – 15 mm

Distal flexible length

Standard 4,5 cm flexible tip

Shaft stiffness

Standard
Stiff
Extra stiff
Super stiff
*(Extra stiff & Super stiff not available
in dim: 0.018"; 0.021"; 0.025")*

Markers

Uncoated stainless steel
OEM
Length 30-150 cm
1 mm wide surface markers
10 cm step

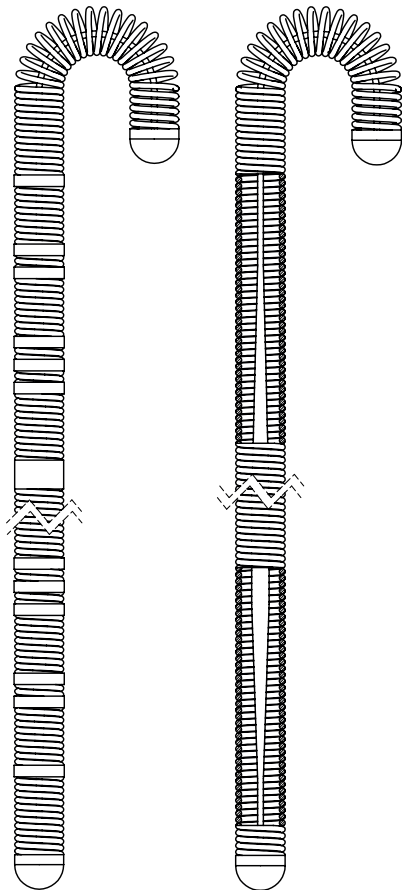
Customised products on request

Description of item code

(H/X/X)-S/Jr-(C)-0xx-L
(example: J3-C-035-150)

H	Stiff guide wire
H-X	Extra Stiff guide wire
H-X-X	Super Stiff guide wire
S	Straight tip
Jr	J-tip radius J1.5 mm J3 mm J6 mm J15 mm
C	PTFE coated
Without C	Stainless steel
M	Surface marker
0xx	Diameter of the guide wire 018: 0.018" (0.46 mm) 021: 0.021" (0.54 mm) 025: 0.025" (0.64 mm) 028: 0.028" (0.72 mm) 032: 0.032" (0.82 mm) 035: 0.035" (0.89 mm) 038: 0.038" (0.97 mm)
L	Length of the guide wire ■ 20 – 450 cm

Accoat Guide Wire – Seldinger Double Ended



Dimensions

Ø 0.025" / 0.64 mm
 Ø 0.032" / 0.82 mm
 Ø 0.035" / 0.89 mm
 Ø 0.038" / 0.97 mm

Length

30 – 450 cm

Surface

Stainless steel
 PTFE coated

Tip form

J-tip radius: 1,5 – 3 – 6 – 15 mm in
 one end and straight tip in the other

Flexible tip length

Standard 5 cm flexible tip

Shaft stiffness

Standard
 Stiff

Markers

Uncoated stainless steel
 OEM
 Length 30-150 cm
 1 mm wide surface markers
 10 cm step

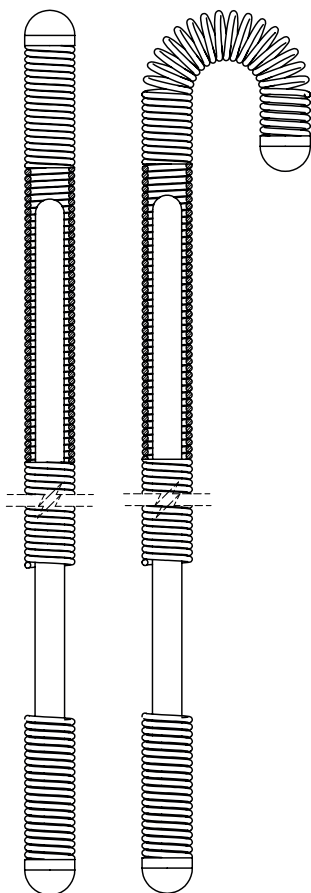
Customised products on request

Description of item code

(H)-D-S-Jr-(C)-0xx-L
 (example: D-S-J3-C-035-150)

H	Stiff guide wire
D	Double ended (flexible tip in both ends)
S	Straight tip (one end)
Jr	J-tip radius (the other end) J1.5 mm J3 mm J6 mm J15 mm
C	PTFE coated
Without C	Stainless steel
M	Surface marker
0xx	Diameter of the guide wire 025: 0.025" (0.64 mm) 032: 0.032" (0.82 mm) 035: 0.035" (0.89 mm) 038: 0.038" (0.97 mm)
L	Length of the guide wire ■ 30 - 450 cm

Accoat Guide Wire – Seldinger Movable



Dimensions

Ø 0.032" / 0.82 mm
Ø 0.035" / 0.89 mm
Ø 0.038" / 0.97 mm

Length

30 – 450 cm

Surface

Stainless steel
PTFE coated

Distal tip form

Straight tip
J-tip radius: 1,5 – 3 – 6 – 15 mm

Shaft stiffness

Standard
Stiff

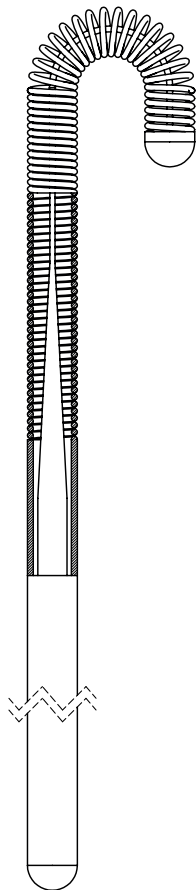
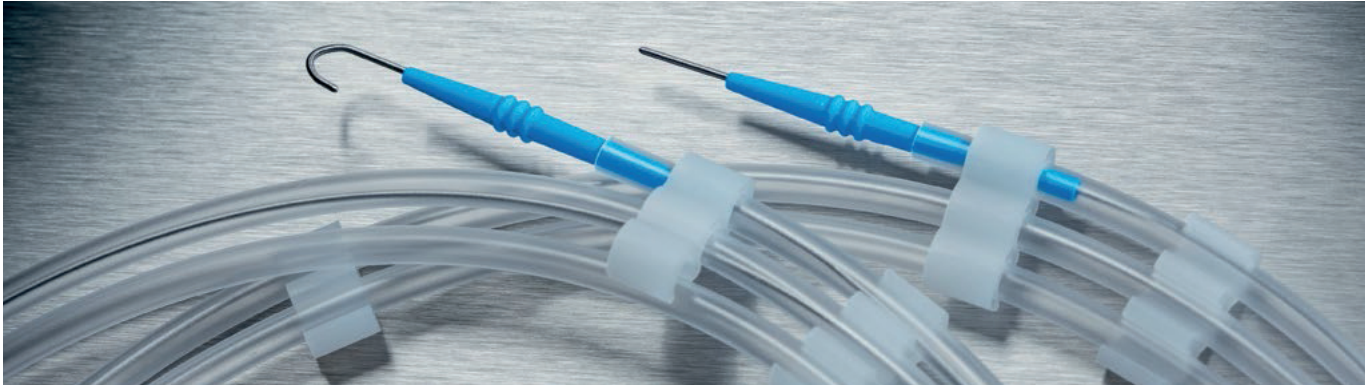
Customised products on request

Description of item code

(H)-M-S/Jr-(C)-0xx-L
(example: M-S-C-035-150)

H	Stiff guide wire
M	Movable guide wire
S	Straight tip
Jr	J-tip radius J1.5 mm J3 mm J6 mm J15 mm
C	PTFE coated
Without C	Stainless steel
0xx	Diameter of the guide wire 032: 0.032" (0.82 mm) 035: 0.035" (0.89 mm) 038: 0.038" (0.97 mm)
L	Length of the guide wire ■ 30 – 450 cm

Accoat Standard Guide Wire – Lunderquist PTC



Dimensions

Ø 0.025" / 0.64 mm
Ø 0.035" / 0.89 mm

Length

50 cm
60 cm
70 cm
80 cm
90 cm
100 cm
120 cm
150 cm
260 cm

Surface

Stainless steel
PTFE coated

Distal tip form

Straight tip
J-tip radius: 1,5 – 3 – 6 – 15 mm

Distal flexible length

5 cm
7 cm
10 cm
12 cm
15 cm
17 cm
20 cm

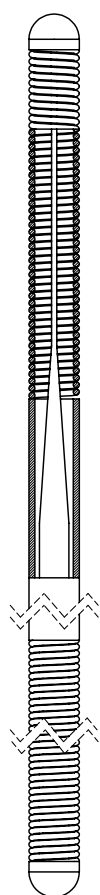
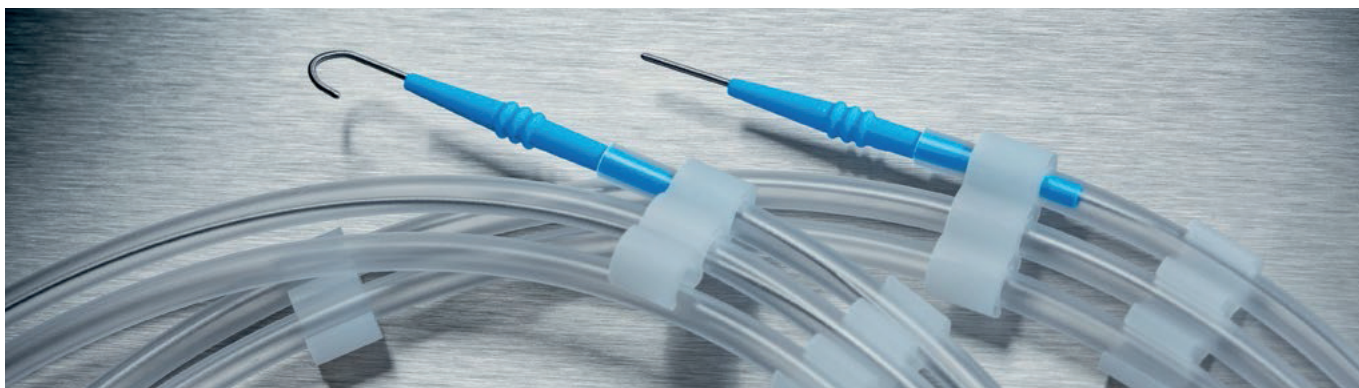
Customised products on request

Description of item code

PTC-S/Jr-(C)-F1-0xx-L
(example: PTC-S-C-F5-035-150)

PTC	The guide wire is named after the Perkutan Transhepatic Cholangiograph procedure
S	Straight tip
Jr	J-tip radius J1,5 mm tip J3 mm tip J6 mm tip J15 mm tip
C	PTFE coated
Without C	Stainless steel
F1	Length of the distal flexible tip F5 - 5 cm flexible tip F7 - 7 cm flexible tip F10 - 10 cm flexible tip F12 - 12 cm flexible tip F15 - 15 cm flexible tip F17 - 17 cm flexible tip F20 - 20 cm flexible tip
0xx	Diameter of the guide wire 025: 0.025" (0.64 mm) 035: 0.035" (0.89 mm)
L	Length of the guide wire ■ 50 - 260 cm

Accoat Standard Guide Wire – Schüller PTC



Dimensions

Ø 0.025" / 0.64 mm
Ø 0.035" / 0.89 mm

Length

50 cm
60 cm
70 cm
80 cm
90 cm
100 cm
110 cm
120 cm
150 cm
260 cm

Surface

Stainless steel
PTFE coated

Distal tip form

Straight tip
J-tip radius:
1,5 – 3 – 6 – 15 mm

Customised products on request

Distal flexible length

5 cm
7 cm
10 cm
12 cm
15 cm
17 cm
20 cm

Proximal flexible length

30 cm
33 cm
35 cm
38 cm
40 cm
43 cm
45 cm
50 cm
53 cm
55 cm
60 cm
63 cm
65 cm

Description of item code

PTC-SCH-S/Jr-(C)-F1-L1-L2-0xx-L
(example: PTC-SCH-S-F5-40-55-035-100)

PTC The guide wire is named after the **Perkutan Transhepatic Cholangiograph** procedure

SCH Schüller type

S Straight tip

Jr J-tip radius
J1,5 mm tip
J3 mm tip
J6 mm tip
J15 mm tip

C PTFE coated

Without C Stainless steel

F1 Length of the distal flexible tip
F5 - 5 cm flexible tip
F7 - 7 cm flexible tip
F10 - 10 cm flexible tip
F12 - 12 cm flexible tip
F15 - 15 cm flexible tip
F17 - 17 cm flexible tip
F20 - 20 cm flexible tip

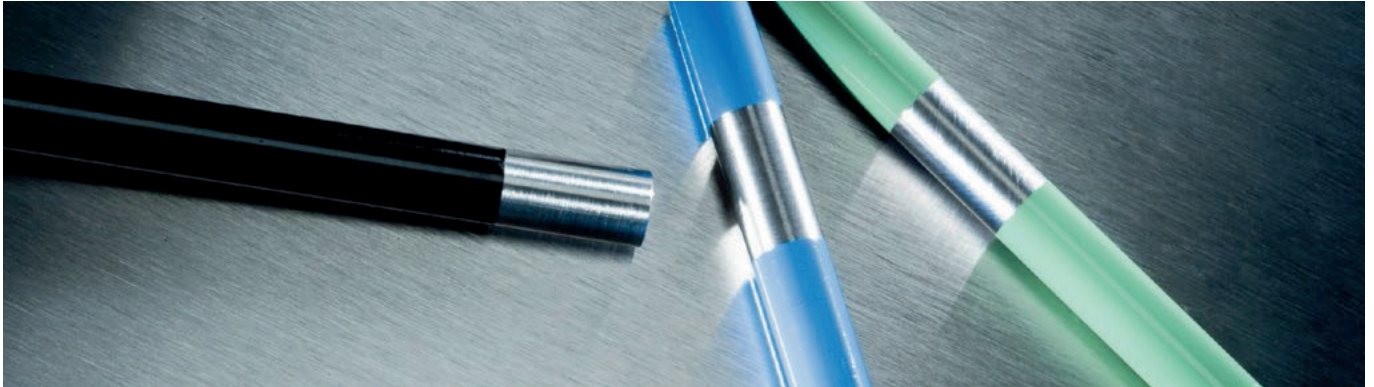
L1 Length of the stiff cannula part

L2 Length of the stiff proximal coil end
Available in 30, 33, 35, 38, 40, 43, 45, 50, 53, 55, 60, 63 or 65 cm

0xx Diameter of the guide wire
025: 0.025" (0.64 mm)
035: 0.035" (0.89 mm)

L Length of the guide wire (Sum of F1+L1+L2)
■ 50 - 260 cm

Coating of medical devices and components



SP Medical has developed a wide range of hydrophobic and hydrophilic coatings for optimizing of different product features.

Typical features are: Low friction, electrical insulation, chemical resistance and markers.

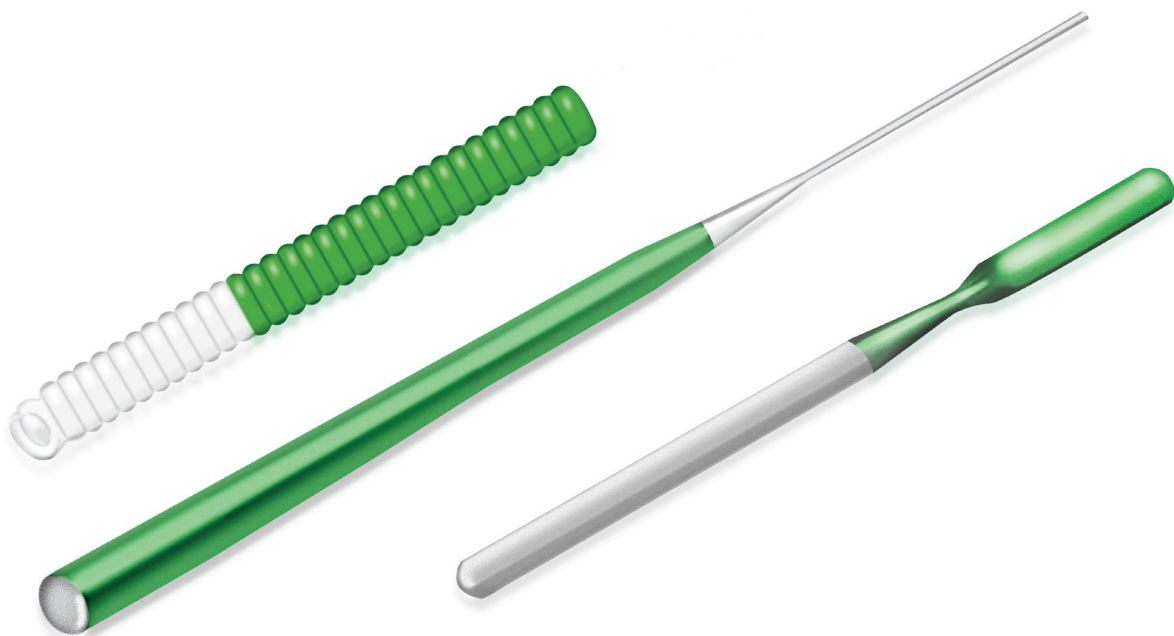
The coatings are specially designed for devices and components as: Guide wires, needles, electrodes, tubes, coils, cores etc.

Coatings can be dip coated in the following colours:

- Green
- Transparent
- Grey

A special feature as masking or partial coating is available.

Customised products on request



SUSTAINABLE DEVELOPMENT GOALS



In 2021, SP Group focused on our joint responsibility to contribute to a more sustainable world. In co-operation with customers, we have developed and manufactured products promoting quality of life and resource efficiency for the benefit of the climate, environment and people.


We also took a forward-thinking approach to our operations and production to improve resource consumption and promote sustainable processes. It benefits both our communities and our employees' health and safety.

To best contribute to the green transition, we have set the following strategic goals to be achieved by 2030:

- No negative environmental impact from operations
- Entire global production powered by renewable energy
- Support the transition to a world powered by renewable energy by manufacturing state-of-the-art plastic and composite solutions

To highlight SP Group's commitment to global sustainability, the Group joined the UN Global Compact in 2020 and thus builds on the efforts of SP Moulding, which has been a member of the Global Compact since 2012.

COMMUNICATION
ON PROGRESS



This is our **Communication on Progress** in implementing the Ten Principles of the **United Nations Global Compact** and supporting broader UN goals.

We welcome feedback on its contents.

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