



To Win Universal Confidence With KDL Quality And Reputation

SHANGHAI KINDLY MEDICAL INSTRUMENTS CO., LTD.

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Professional Intervention Products Manufacturer

SHANGHAI KINDLY MEDICAL INSTRUMENTS CO., LTD.





## Enterprise Vision:

Become a globally-renowned interventional and implantable medical device group led by technology innovation!

## Business Philosophy:

Get symbiosis, success and development together with customers, partners and all staff!

## Enterprise Spirit:

Team is the cornerstone of enterprise! Innovation is the engine of development! Execution is the key to success!

## Enterprise Mission:

Serve globally health industry with innovative technology and high quality products!

## Company Introduction

Shanghai Kindly Medical Instruments Co., Ltd. (hereinafter referred to as "our company") which established in 2006 is located in Jiading District, Shanghai, and has been focusing on the research and development, production and sales of interventional medical devices. Our company is a subsidiary of Shanghai Kindly Enterprise Development Group Co., Ltd (stock code: 603987.SH) which listed on the main board of Shanghai Stock Exchange.

Our company is one of the minority medical device manufacturers in China with the complete industrial chain consists of several competence including independent mold tooling, product R&D, equipment developing and sterilization. Our company has obtained ISO13485, CE and FDA certification. Our products are exported to the United States, Europe, South America, the Middle East, South Africa and more than 40 other countries and regions. According to the 2018 industry report generated by Frost & Sullivan, an American leading consulting firm, we ranked 2nd among domestic brands in coronary interventional device market and 1st among domestic brands in PCI supporting device market.

Our company has seven subsidiaries, which focusing on different areas of interventional therapies. We adhere to the corporate culture of "Team is the cornerstone of enterprise; Innovation is the engine of development; Execution is key to success", and continuously enhances the ability of independent innovation and develops independent intellectual property products. By the end of July 2019, our company had 26 NMPA certificates, 28 CE certificates, 10 FDA certificates and 59 authorized patents, including 11 invention patents and 40 utility model patents, 58 patents under application and 5 software copyrights. What worth mention is that our company had received a great number of awards, such as Shanghai High-tech Enterprise, Shanghai Science and Technology Little Giant Enterprise, Shanghai "Specialized, Refined, Special, New" Enterprise, Shanghai Patent Pilot Enterprise, etc. Our company has received support from Shanghai Torch Project, Shanghai hi-tech Achievements Transformation Project, Shanghai Science and Technology Support Project, Shanghai Major Technical Reform Project, Shanghai Technological Innovation Fund, Shanghai Science and Technology Talents Program, National Innovation Fund, Science and Technology Innovation and Entrepreneurship Talents of the Ministry of Science and Technology, National "Ten Thousand People Program" Technology Entrepreneurship Leading Talents, etc.

At present, our company has more than 770 employees, owns Shanghai production base and Zhuhai production base, in possession of considerable industrial foundation and industry position. In the future, our company will maintain "To be a world-renowned interventional and implantable medical device group led by scientific and technological innovation" as our development vision, continue to uphold the development concept of "Innovation serves health, high-quality achieves excellence", and contribute to the development of China's medical device industry and global human health!







Inflation Device

- Medium pressure(500psi) 3 ways stopcock with vented cap.
- 30cm (1200psi) extension tube.
- Volume: 20ml.

Ref.No.	Description
AI30	20ml, no leakage under 30ATM
AI40	20ml, no leakage under 40ATM



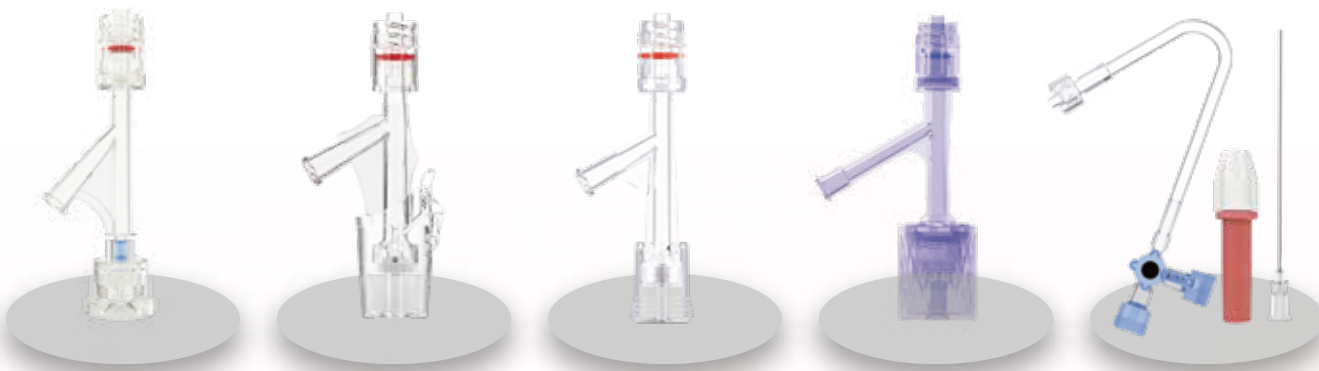
Inflation Device II

- Medium pressure(500psi) 3 ways stopcock with vented cap.
- 30cm (1200psi) extension tube.
- Volume: 20ml.
- Ergonomic Button design, enable one-click, one-hand operation.
- Inflate 50% faster.

Ref.No.	Description
AI25	20ml, no leakage under 30ATM
AI25A	20ml, no leakage under 40ATM

Y Connector Pack

- Largelumen: Max 9Fr(3.0mm) for various device compatibility.
- One-hand operation with 4 types: Screw, Push-Click, Push-Pull and Push-Rotate.
- Clear polycarbonate body enable good observation of bleeding.
- Pressure injection allowance up to 400psi.



Ref.No.	Description
YCK111	Screw Y-Connector(1), Insertion tool(1), Torque Device(1)
YCK111A	Screw Y-Connector(1), Insertion tool(1), Torque Device(1), Extension tube with stopcocks(1)
YCK119B	Push-Click Y-Connector(1), Insertion tool(1), Torque Device(1)
YCK119A	Push-Click Y-Connector(1), Insertion tool(1), Torque Device(1), Extension tube with stopcocks(1)
YCK118B	Push-Pull Y-Connector(1), Insertion tool(1), Torque Device(1)
YCK118A	Push-Pull Y-Connector(1), Insertion tool(1), Torque Device(1), Extension tube with stopcocks(1)
YCK100C	Push-Rotate Y-Connector(1), Insertion tool(1), Torque Device(1)
YCK100F	Push-Rotate Y-Connector(1), Insertion tool(1), Torque Device(1), Extension tube with stopcocks(1)



Angiography Syringe



- Fixed & Rotating adapter allows for flexibility and confidence in luer connection
- Ergonomic Ring Plunge design enable one-handed operation.
- Polyisoprene rubber & Latex-free.

Ref.No.	Description	Ref.No.	Description
AS0601	6ml, Rotating Adapter	AS0602	6ml, Fixed Adapter
AS0801	8ml, Rotating Adapter	AS0802	8ml, Fixed Adapter
AS1001	10ml, Rotating Adapter	AS1002	10ml, Fixed Adapter
AS1201	12ml, Rotating Adapter	AS1202	12ml, Fixed Adapter



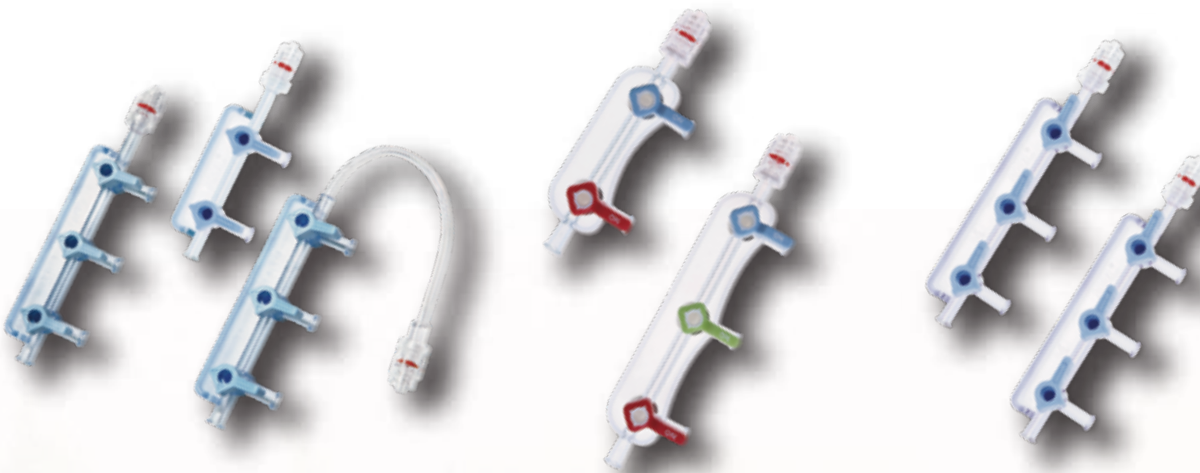
Manifold Kit

- Manifold with pre-installed extension lines and infusion set, help saving time.
- Latex-free.
- Manifold soft type is available.

Ref.No.	Description
AM0350	Manifold 3 port ON(1), Angiography syringe 12ml(1), Infusion set(2),Extension tube 120cm(1)
AM0351	Manifold 3 port OFF(1), Angiography syringe 12ml(1), Infusion set(2),Extension tube 120cm(1)
AM0352E	Manifold 3 port ON(1), PC syringe Red(1), Yellow(1), Blue(1), Green(1), White(1), Infusion set(2), Extension tube 120cm(1)

Manifold

- Pressure rating up to 500psi(34bar).
- Smooth rotation with low torque.
- Handle color customization is available.
- TPE-cover-molding provides soft touch handle(Only for soft type).



Ref.No.	Description
AM0201	2 ports ON with rotating adapter, right port orientation
AM0202	2 ports OFF with rotating adapter, right port orientation
AM0301	3 ports ON with rotating adapter, right port orientation
AM0302	3 ports OFF with rotating adapter, right port orientation
AM0303	3 ports ON with pressure line, right port orientation
AM0303A	3 ports OFF with pressure line, right port orientation
AM0307	3 ports ON with rotating adapoter, left port orientation
AM0308	3 ports OFF with rotating adapoter, left port orientation
AM0401	4 ports ON with rotating adapoter, right port orientation
AM0402	4 ports OFF with rotating adapoter, right port orientation
AM0209	Soft type 2 ports ON with rotating adapoter, right port orientation
AM0210	Soft type 2 ports OFF with rotating adapoter, right port orientation
AM0309	Soft type 3 ports ON with rotating adapoter, right port orientation
AM0310	Soft type 3 ports OFF with rotating adapoter, right port orientation



Extension tube

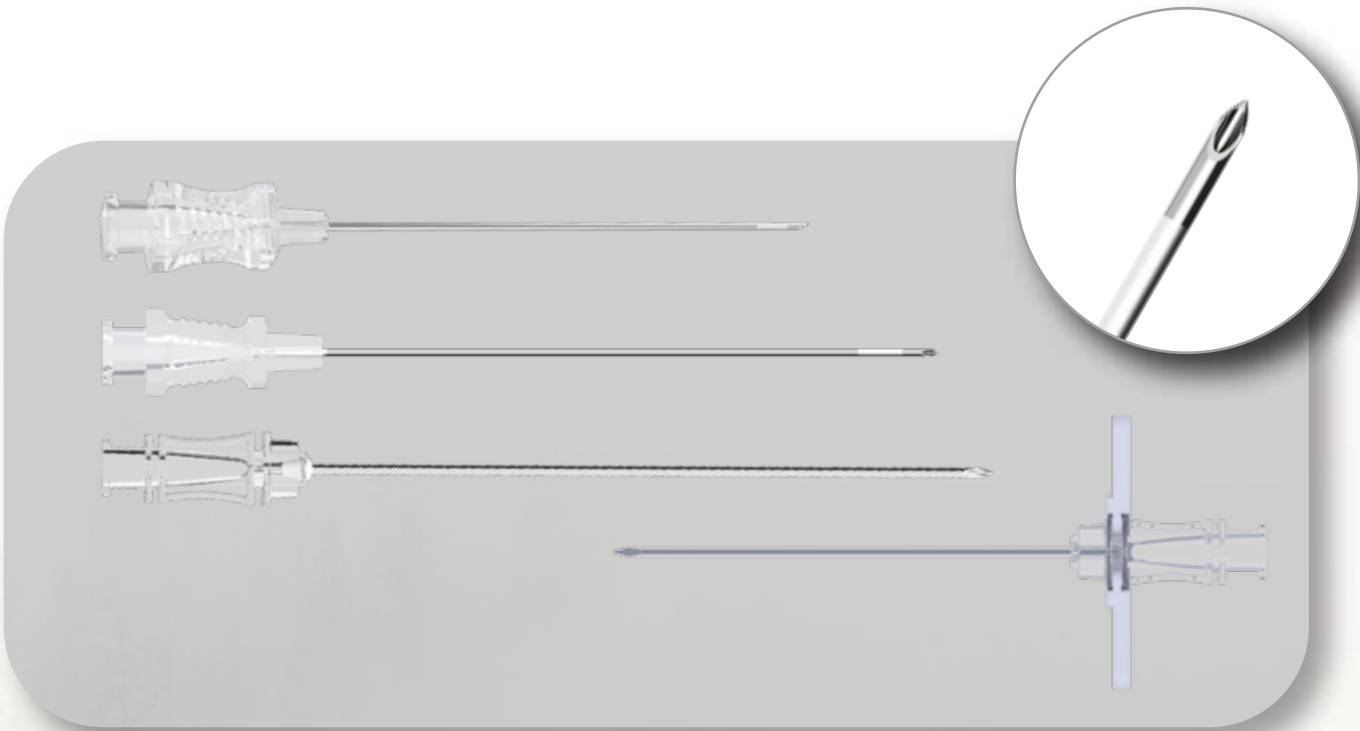
- Unique braiding technology provides clear visualization of air bubbles inside the tubing.
- Length customization is acceptable.



Ref.No.	Length	Description	Ref.No.	Length	Description
PMT0101	30cm	500psi, No braided, F/M Luer Lock	PMT0501	30cm	1200psi, Braided, Rotating adapter
PMT0102	60cm		PMT0502	60cm	
PMT0103	90cm		PMT0503	90cm	
PMT0104	120cm		PMT0504	120cm	
PMT0105	150cm		PMT0505	150cm	
PMT0106	180cm		PMT0509	180cm	
PMT0801A	30cm	1200psi, No braided, F/M Luer Lock	PMT0901A	30cm	1200psi, No Braided, Rotating adapter
PMT0801B	50cm		PMT0901B	50cm	
PMT0801C	60cm		PMT0901C	60cm	
PMT0801D	90cm		PMT0901D	90cm	
PMT0801E	120cm		PMT0901E	120cm	
PMT0801F	150cm		PMT0901F	150cm	
PMT0801G	180cm		PMT0901G	180cm	
PMT0801H	200cm		PMT0901H	200cm	

Seldinger Needle

- Ergonomic designed hub improves comfortable grip of the needle.
- Bevel indicator for easy bevel orientation.
- Ultra thin wall to minimize pain feeling.
- Echogenic tip is available upon request for needle visualization under ultrasonic.

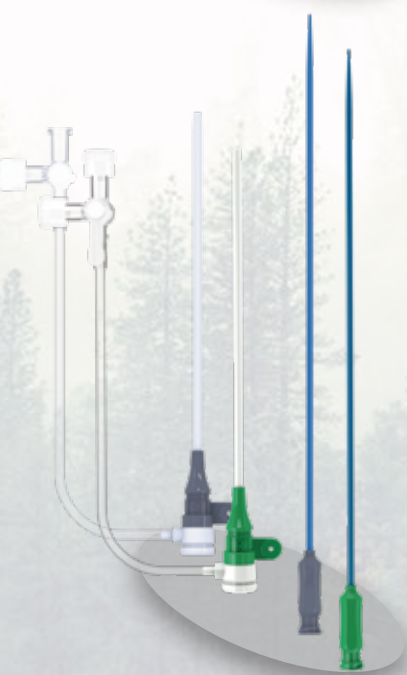
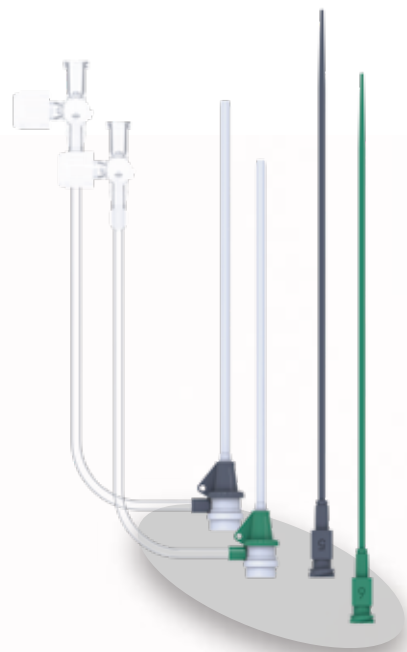


Ref.No.	O.D.(mm/G)	Description
SN03	1.20mm/18G	70mm with wings
SN03A	1.20mm/18G	70mm without wings
SN07	1.20mm/18G	70mm without wings, pink hub
SN06	0.80mm/21G	40mm without wings
SN16	0.80mm/21G	70mm echogenic needle
SN18	1.20mm/18G	70mm without wings, back-cut Bevel



Introducer Set-Transradial

- Longer taper ensure smooth transition between sheath and dilator.
- Atraumatic tip reduce the damage to the artery.
- Cross-cut haemostasis valve minimizing blood reflux and air aspiration.
- Stainless steel guidewire, hydrophilic guidewire with cannula needle available.
- Hydrophilic coated sheath available.

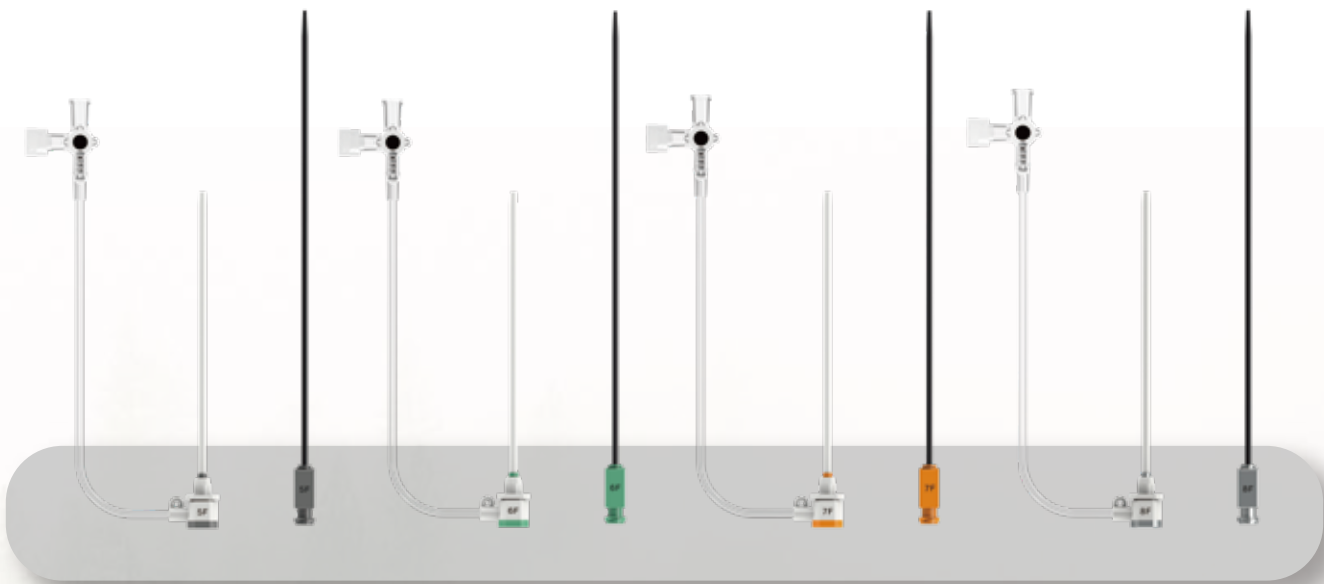


Ref.No.	Size	Length of Sheath	Guide wire	Needle	Hyrdophilic coating
TR01	5Fr	110mm	0.021"	21G/40mm	NO
TR02	6Fr	110mm			
TR02A	6Fr	160mm			
TR03	5Fr	110mm	0.021"	21G/40mm	NO
TR03A	5Fr	160mm			
TR04	6Fr	110mm			
TR04A	6Fr	160mm			
HTR03	5Fr	110mm	0.025"	20G/ Cannula needle	NO
HTR03A	5Fr	160mm			
HTR04	6Fr	110mm			
HTR04A	6Fr	160mm			
CTR03	5Fr	110mm	0.021"	21G/40mm	YES
CTR03A	5Fr	160mm			
CTR04	6Fr	110mm			
CTR04A	6Fr	160mm			
CHTR03	5Fr	110mm	0.025"	20G/ Cannula needle	YES
CHTR03A	5Fr	160mm			
CHTR04	6Fr	110mm			
CHTR04A	6Fr	160mm			

Note: The 0.025 inch guidewire is coated with Hydrophilic.

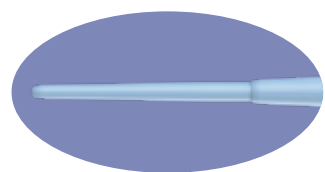
Introducer Set-Femoral

- Different color and number make easy identity for different French size.
- Atraumatic tip reduce the damage to the artery.
- Cross-cut haemostasis valve minimizing blood reflux and air aspiration.
- 0.035" or 0.038" Stainless steel guidewire, Ni-Ti guidewire available.
- Hydrophilic coated sheath available.



Ref.No.	Size	Length of Sheath	Guide wire	Needle	Hyrdophilic coating
IS05	4Fr	110mm	0.035"	18G/70mm	NO
IS01	5Fr	110mm	0.038"		
IS02	6Fr	110mm			
IS03	7Fr	110mm			
IS04	8Fr	110mm			
HIS05	4Fr	110mm	0.035"	18G/70mm	YES
HIS01	5Fr	110mm	0.038"		
HIS02	6Fr	110mm			
HIS03	7Fr	110mm			
HIS04	8Fr	110mm			

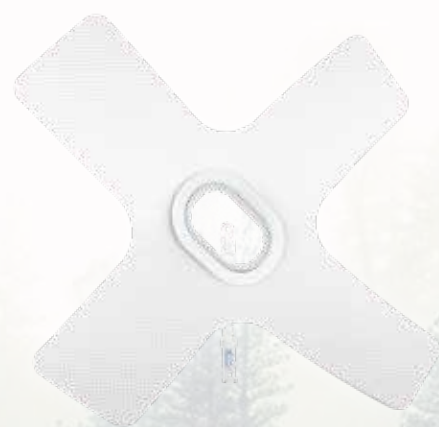




## Mini Introducer Set

- Tapered dilator and sheath for smooth transition at the tip.
- Set flexible coiled tip with Ni-Ti core guidewire.
- Echogenic needle available.

Ref.No.	Size	Length of Sheath	Guide wire	Needle
MI5F01	5Fr	10cm	0.018"*45cm Nitinol guidewire	21G/70mm Echogenic Needle
MI5F05	5Fr	7cm		
MI5F03	5Fr	10cm		21G/45mm Echogenic Needle
MI5F07	5Fr	7cm		



## Pressure bandage-Femoral

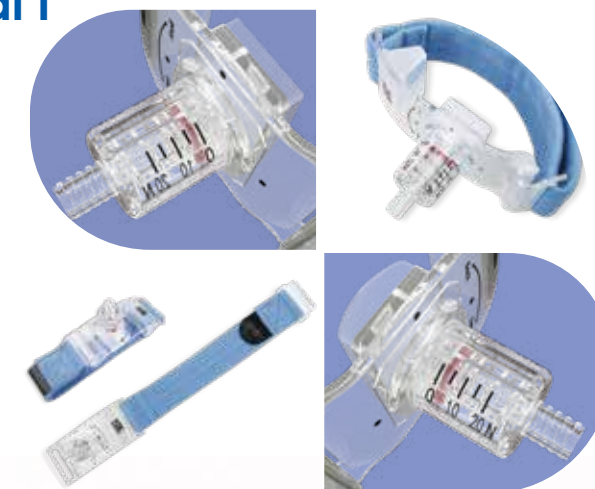
- The transparency ensures complete visualization of the puncture site.
- Nonwoven tape fits well patient's skin and more breathable.
- Unique design prevent unintended movement of the bandage.
- Standard luer lock connector, compatible with normal syringe.
- With one 60ml syringe.

REF. No.	Length	Width	Max Inflation Volume
FPB01	29 cm	6.5 cm	40 ml
FPB01B	31 cm	6.5 cm	40 ml

Note: Human experience may vary as skin and muscle tone.

## Pressure bandage-Transradial I

- Medical grade silicone.
- Clear dial provides easy monitoring of puncture site.
- Silicone curved surface, less pressure achieving vascular hemostasia, more comfortable for patient.
- Pressure indication, convenient to adjust compression pressure for nursing staff.
- Comfortable band, available in three size: 18cm, 22cm, 26cm.



Ref.No.	Description
PB01	Flat surface, Bandage 18cm*3cm. Pressure indication 0-20N.
PB02	Flat surface, Bandage 22cm*3cm. Pressure indication 0-20N.
PB03	Flat surface, Bandage 26cm*3cm. Pressure indication 0-20N.
PB01A	Curved surface, Bandage 18cm*3cm. Pressure indication 0-20N.
PB02A	Curved surface, Bandage 22cm*3cm. Pressure indication 0-20N.
PB03A	Curved surface, Bandage 26cm*3cm. Pressure indication 0-20N.

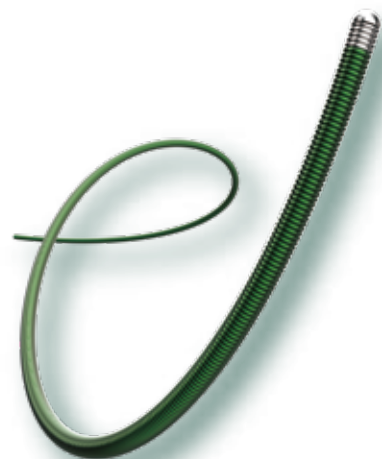


## Pressure bandage-Transradial II

- Soft material fits well to patient's skin while easy to clean for the outer layer.
- Double balloon design to achieve better hemostatic effect.
- Puncture site visibility provided by transparent material.
- Comfortable band, available in three size: 24cm, 27cm.

Ref.No.	Description
PB04A	Bandage 24cm*4cm. Balloon: 3.5cm*3.5cm.
PB04B	Bandage 27cm*4cm. Balloon: 3.5cm*3.5cm.





## Guide Wire-PTFE

- High quality PTFE pre-coated stainless steel.
- Highly flexible and smoothly rounded wire tip.
- Special designed dispenser to achieve easy flush.
- Designed to provide true 1:1 torque response to facilitate navigation and rapid vessel selection.
- J tip radius: 3.0 mm or 1.5mm.

Ref.No.	Diameter	Tip shape	Length	Ref.No.	Diameter	Tip shape	Length
GW181JF	0.018" (0.46mm)	3mm J	150cm	GW221JF	0.021" (0.53mm)	3.0 mm J	150cm
GW182JF			180cm	GW212JF			180cm
GW183JF			260cm	GW213JF			260cm
GW181SF		Straight	150cm	GW211SF		Straight	150cm
GW182SF			180cm	GW212SF			180cm
GW183SF			260cm	GW213SF			260cm
GW351JF	0.035" (0.89mm)	3mm J	150cm	GW381JF	0.038" (0.97mm)	3.0 mm J	150cm
GW352JF			180cm	GW382JF			180cm
GW353JF			260cm	GW383JF			260cm
GW351SF		Straight	150cm	GW381SF		Straight	150cm
GW352SF			180cm	GW382SF			180cm
GW353SF			260cm	GW383SF			260cm
GW351BJF		1.5mm J	150cm	GW381BJF		1.5 mm J	150cm
GW352BJF			180cm	GW382BJF			180cm
GW353BJF			260cm	GW383BJF			260cm

## Guide Wire-Hydrophilic

- High quality Niti core wire enables 1:1 torque control for better navigation and faster vessel selection.
- TPU jacket with tungsten providing excellent visibility under X-ray.
- Unique coating technology ensure a lubricant surface durable.



## Standard Guidewire

Ref NO.	Wire Type	Diameter	Flexible Taper Length	Tip Shape	Length
HG353AF	Standard	0.035" (0.89 mm)	10cm	Angled	150cm
HG354AF					180cm
HG355AF					260cm
HG353SF				Straight	150cm
HG354SF					180cm
HG355SF					260cm
HG353JF				3.0 mm J	150cm
HG354JF					180cm
HG355JF					260cm
HG383AF	Standard	0.038" (0.97 mm)	10cm	Angled	150cm
HG384AF					180cm
HG385AF					260cm
HG383SF				Straight	150cm
HG384SF					180cm
HG385SF					260cm
HG383JF				3.0 mm J	150cm
HG384JF					180cm
HG385JF					260cm

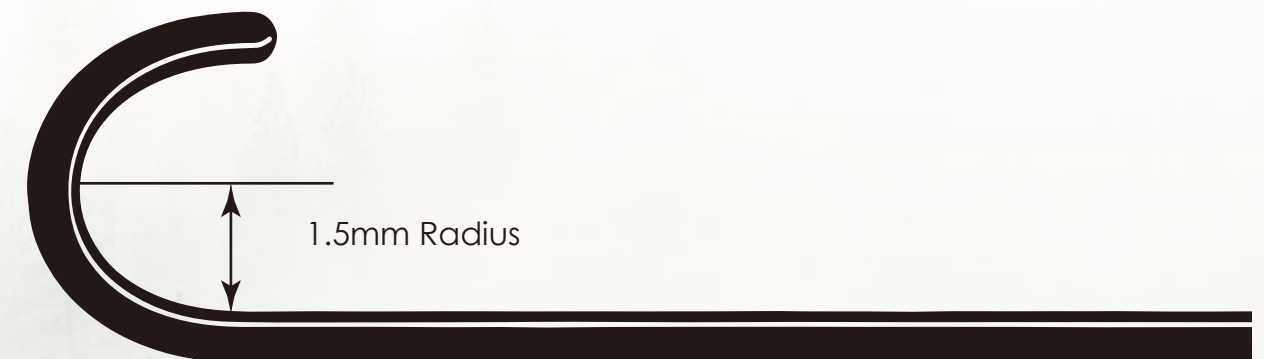


## Stiff and Super Stiff Guidewire

Ref NO.	Wire Type	Diameter	Flexible Taper Length	Tip Shape	Length
HGST353AF	Stiff	0.035" (0.89 mm)	10cm	Angled	150cm
HGST354AF					180cm
HGST355AF					260cm
HGST353SF				Straight	150cm
HGST354SF					180cm
HGST355SF					260cm
HGST353JF				3.0 mm J	150cm
HGST354JF					180cm
HGST355JF					260cm
HGST383AF	Stiff	0.038" (0.97 mm)	10cm	Angled	150cm
HGST384AF					180cm
HGST385AF					260cm
HGST383SF				Straight	150cm
HGST384SF					180cm
HGST385SF					260cm
HGST383JF				3.0 mm J	150cm
HGST384JF					180cm
HGST385JF					260cm
HGSS353AF	Super Stiff	0.035" (0.89 mm)	10cm	Angled	150cm
HGSS354AF					180cm
HGSS355AF					260cm
HGSS353SF				Straight	150cm
HGSS354SF					180cm
HGSS355SF					260cm
HGSS353JF				3.0 mm J	150cm
HGSS354JF					180cm
HGSS355JF					260cm

## Stiff and Super Stiff Guidewire

Ref NO.	Wire Type	Diameter	Flexible Taper Length	Tip Shape	Length
HGSS383AF	Super Stiff	0.038" (0.97 mm)	10cm	Angled	150cm
HGSS384AF					180cm
HGSS385AF					260cm
HGSS383SF				Straight	150cm
HGSS384SF					180cm
HGSS385SF					260cm
HGSS383JF				3.0 mm J	150cm
HGSS384JF					180cm
HGSS385JF					260cm



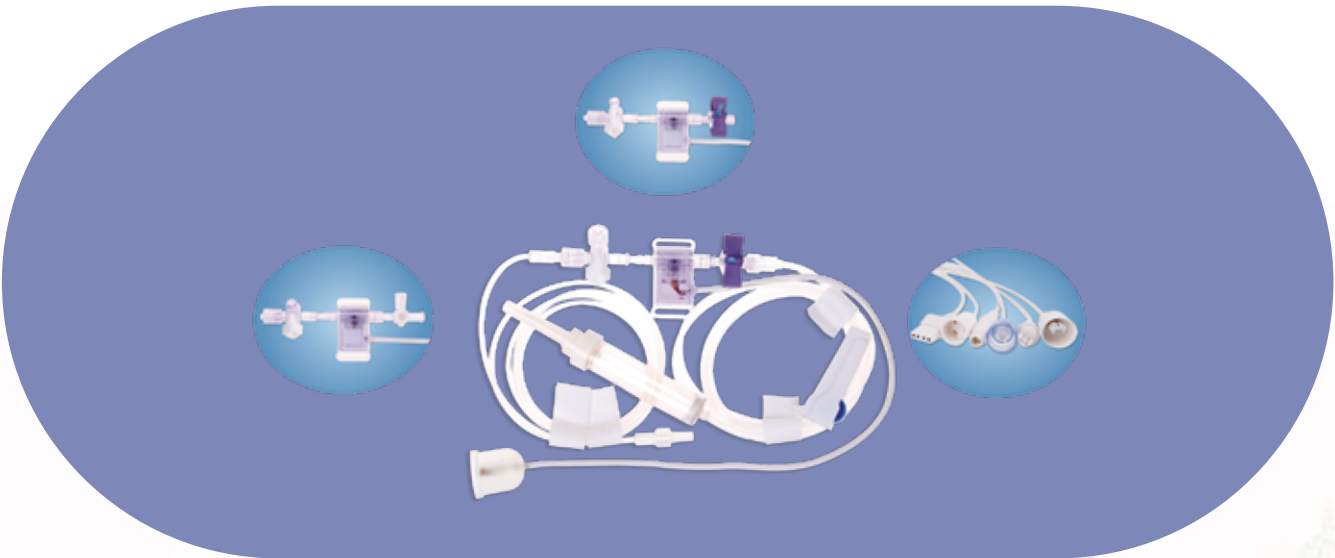
## Baby J Tip Guidewire

Ref NO.	Wire Type	Diameter	Flexible Taper Length	Tip Shape	Length
HG353BJF	Standard	0.035" (0.89 mm)	6 cm	1.5 mm J	150cm
HG354BJF					180cm
HG355BJF					260cm
HG383BJF		0.038" (0.97 mm)	6 cm	1.5 mm J	150cm
HG384BJF					180cm
HG385BJF					260cm



Pressure Transducer

- Consistent and accurate pressure monitoring with pressure range:-4~40kPa).
- With built-in flush device to simplify priming the tube and flushing.
- Sensitivity: 5μV/V/mmHg±2%.



Ref.No.	Cable connector	Optional accessories
DPT0102	BD	Extension tube(1200mm), Infusion set(1500mm), Flush Set
DPT0202	Philip	Extension tube(1200mm), Infusion set(1500mm), Flush Set
DPT0302	Abbot	Extension tube(1200mm), Infusion set(1500mm), Flush Set
DPT0402	Argon	Extension tube(1200mm), Infusion set(1500mm), Flush Set
DPT0502	ACE	Extension tube(1200mm), Infusion set(1500mm), Flush Set
DPT0602	Utah	Extension tube(1200mm), Infusion set(1500mm), Flush Set
DPT0702	ELS	Extension tube(1200mm), Infusion set(1500mm), Flush Set

