

ANGIO-LINE™

Biometrix offers a complete product line for interventional cardiology and radiology. Contrast media injection lines, sets and syringes, angiography guide wires, haemostatic valve introducer sets, PTCA accessories kits and comprehensive custom procedure trays – part of *BIOMETRIX CPT* program – are some of the Angio-Line™ products and accessories

Hemostatic Valve Introducer Sets

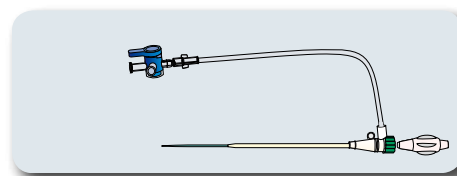
Short Length Pediatric Introducers

| Code | Dilator Size | Needle | Packaging |
|----------|--------------|--------|-----------|
| HD-P6201 | 4Fr | + | Tray |
| HD-P6301 | 5Fr | + | Tray |

Qty/Box: 10

Set Contents

- 7cm Sheath/Dilator Hemostatic Valve Unit with Side Arm and Stopcock
- 0.018" x 40cm Double Ended Guidewire
- 21Ga x 3.8cm Introducer Needle



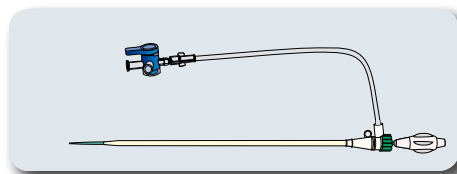
Standard Length Introducers

| Code | Dilator Size | Needle | Packaging |
|----------|--------------|--------|-----------|
| HD-6301 | 5Fr | + | Tray |
| HD-6401 | 6Fr | + | Tray |
| HD-6501 | 7Fr | + | Tray |
| HD-6701 | 8Fr | + | Tray |
| HD-6801 | 9Fr | + | Tray |
| HD-7301 | 5Fr | - | Pouch |
| HD-7401 | 6Fr | - | Pouch |
| HD-7501 | 7Fr | - | Pouch |
| HD-7701 | 8Fr | - | Pouch |
| HD-7901 | 9Fr | - | Pouch |
| HD-X6301 | 5Fr | + | Pouch |
| HD-X6401 | 6Fr | + | Pouch |
| HD-X6501 | 7Fr | + | Pouch |
| HD-X6701 | 8Fr | + | Pouch |
| HD-X6801 | 9Fr | + | Pouch |

Qty/Box: HD-XXXX: 10 / HD-XXXXX: 50

Set Contents

- 12cm Sheath/Dilator Hemostatic Valve Unit with Side Arm and Stopcock
- 0.038" x 50cm Double Ended Guidewire
- 18Ga x 7cm Introducer Needle



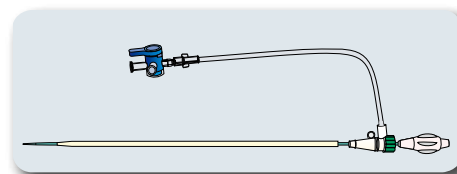
Long Length Introducers

| Code | Dilator Size | Packaging |
|---------|--------------|-----------|
| HD-9301 | 5Fr | Pouch |
| HD-9401 | 6Fr | Pouch |
| HD-9501 | 7Fr | Pouch |
| HD-9701 | 8Fr | Pouch |

Qty/Box: 10

Set Contents

- 23cm Sheath/Dilator Hemostatic Valve Unit with Side Arm and Stopcock
- 0.038" x 70cm Double Ended Guidewire
- 18Ga x 7cm Introducer Needle

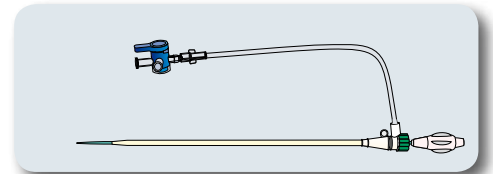


Micropuncture Hemostatic Valve Introducer Sets

Standard Length Introducers

| Code | Dilator Size | Packaging |
|----------|--------------|-----------|
| HD-Y6201 | 4Fr | Tray |
| HD-Y6301 | 5Fr | Tray |
| HD-Y6401 | 6Fr | Tray |

Qty/Box: 10



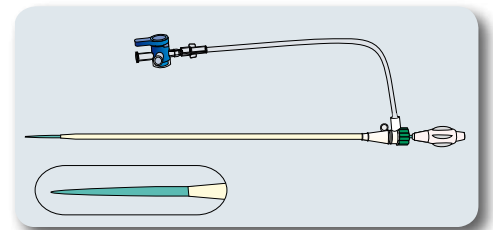
Set Contents

- 12cm Sheath/Dilator Hemostatic Valve Unit with Side Arm and Stopcock
- 0.018" x 40cm Stainless Steel Guidewire
- 21Ga x 3.8cm Introducer Needle
- 5ml Syringe

Long Length Introducers

| Code | Dilator Size | Packaging |
|----------|--------------|-----------|
| HD-X9301 | 5Fr | Pouch |
| HD-X9401 | 6Fr | Pouch |
| HD-X9501 | 7Fr | Pouch |

Qty/Box: 10



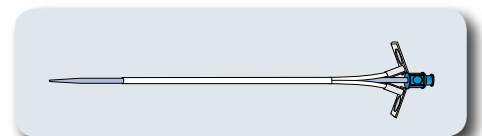
Set Contents

- 23cm Sheath/Dilator Hemostatic Valve Unit with Side Arm and Stopcock
- 0.018" x 70cm Stainless Steel Guidewire
- 21Ga x 3.8cm Introducer Needle

Split Sheath Introducer Sets

| Code | Description |
|---------|-------------|
| JF-0701 | 7Fr |
| JF-0801 | 8Fr |
| JF-0901 | 9Fr |
| JF-1001 | 10Fr |
| JF-1101 | 11Fr |

Qty/Box: 10



Set Contents

- Dilator Assembly
- 0.038" x 50cm Double Ended Guidewire
- 18Ga x 7cm Introducer Needle
- 5ml Syringe L/L

ANGIO-LINE™

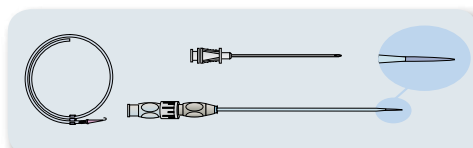
Biometrix Micropuncture Sets offer a smooth and atraumatic entry into the patient's vasculature. The 0.018" Nitinol Guidewire with its platinum tip allows vascular access which is achieved in a few short steps with minimal vessel trauma.

Micropuncture Sets

Micropuncture Sets

| Code | Description | Guide Wire |
|---------|-------------|------------|
| HT-0210 | 4Fr Set | Nitinol |
| HT-0310 | 5Fr Set | Nitinol |

Qty/Box: 10



Set Contents

- 4Fr or 5Fr Vessel Dilator Set ● 0.018" x 40cm Guidewire ● 21 Ga x 7cm Introducer Needle

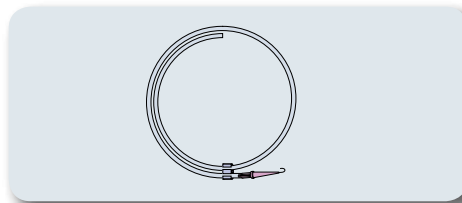
Advantages of Micropuncture

- Minimizes trauma and potential complications (hematoma)
- Minimizes venous spasm which can complicate or hinder the procedure
- Reduces post procedure mechanical phlebitis

Guidewires

| Guidewire Code | Diameter | Length | Tip | J Radius | Features |
|----------------|----------|--------|---------------------|----------|----------|
| HR-2242 | 0.018" | 40cm | Platinum Floppy 3cm | 3mm | Nitinol |
| HR-2542 | 0.018" | 65cm | Platinum Floppy 3cm | 3mm | Nitinol |

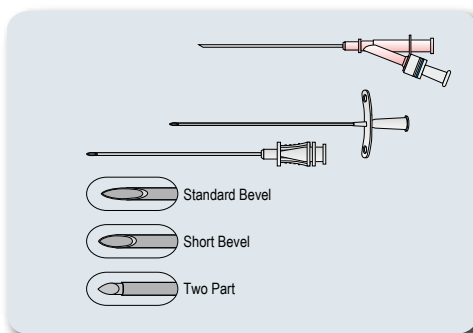
Qty/Box: 50



Introducer Needles

| Code | Cannula Size | No. of parts | Bevel | Wing |
|---------|--------------|--------------|----------|------|
| HQ-1510 | 18Ga x 7cm | One Part | Standard | - |
| HQ-1511 | 18Ga x 7cm | One Part | Standard | + |
| HQ-1514 | 18Ga x 7cm | One Part | Short | - |
| HQ-1521 | 18Ga x 7cm | Two Part | Standard | - |
| HQ-3510 | 18Ga x 7cm | Y-Needle | Standard | - |
| HQ-1525 | 18Ga x 9cm | One Part | Standard | + |
| HQ-1611 | 19Ga x 7cm | One Part | Standard | + |
| HQ-1710 | 20Ga x 4cm | One Part | Standard | + |
| HQ-1810 | 21Ga x 3.8cm | One Part | Standard | - |

Qty/Box: 100



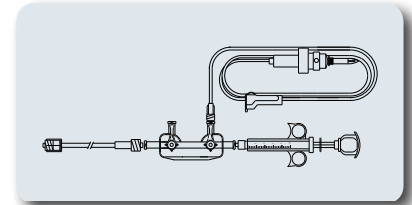
Manifold & Contrast Media Sets & Angiography Waste Bag

Contrast Media Manifold Sets

| Code | Description | Qty/Box |
|---------|---------------------------------|---------|
| BQ-1000 | 2 Port Angiography Manifold Set | 25 |

Set Contents

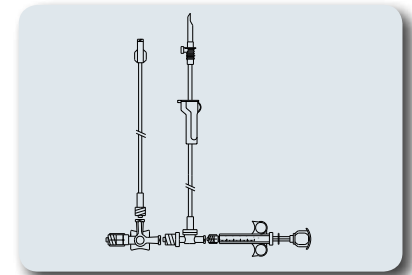
- Manifold 2 port F/F with 15cm High Pressure Line with rotating adaptor
- Infusion Set Vented
- 12ml Finger Grip Syringe



| Code | Description | Qty/Box |
|---------|--------------------|---------|
| BQ-2000 | Contrast Media Set | 25 |

Set Contents

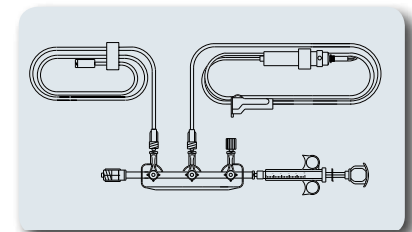
- Pressure Line
- Double Check Valve
- 3 Way High Pressure Stopcock
- Infusion Set Vented
- 12ml Finger Grip Syringe



| Code | Description | Qty/Box |
|---------|---------------------------------|---------|
| BQ-3000 | 3 Port Angiography Manifold Set | 25 |

Set Contents

- 3 Port Manifold F/MLL Rot.
- 100cm Infusion Line F/MLL
- Infusion Set
- 12ml Finger Grip Syringe

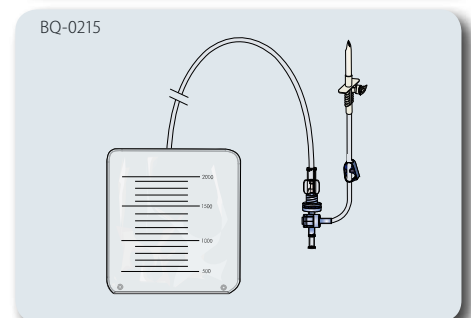
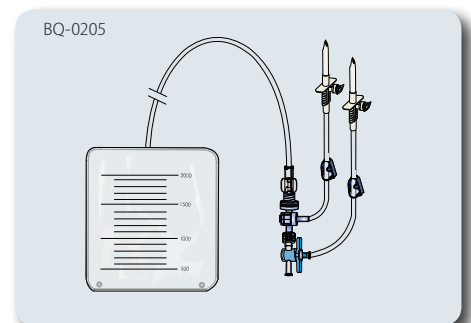


Angiography Waste Bag

The Angiography waste bag provides safe and efficient contrast media management.

| Code | Description |
|---------|-----------------------------------|
| BQ-0205 | Double-Line Angiography Waste Bag |
| BQ-0215 | Single-Line Angiography Waste Bag |

Qty/Box: 25

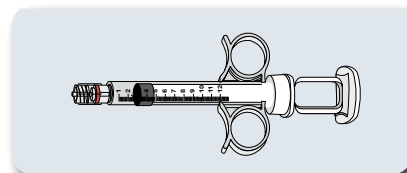


Syringes, Manifolds & Stopcocks

Finger Grip Syringe

| Code | Description |
|---------|-------------------|
| BI-0121 | 12cc with Rotator |

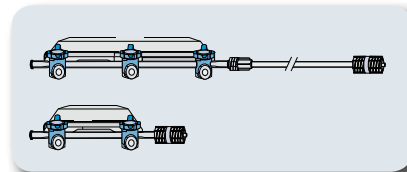
Qty/Box: 50



Angiography High Pressure Manifolds

| Code | Ports & Position | Pressure Line |
|---------|------------------|--------------------|
| BE-2110 | 2 Right OFF | - |
| BE-2111 | 2 Right OFF | 15cm High Pressure |
| BE-2120 | 2 Left OFF | - |
| BE-2210 | 2 Right ON | - |
| BE-3110 | 3 Right OFF | - |
| BE-3111 | 3 Right OFF | 15cm High Pressure |
| BE-3120 | 3 Left OFF | - |
| BE-3210 | 3 Right ON | - |

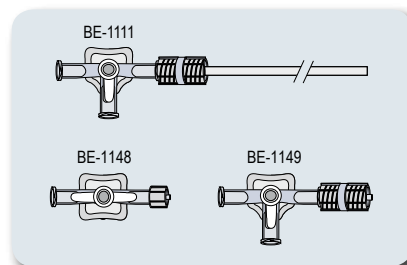
Qty/Box: 50



Angiography High Pressure Stopcocks

| Code | Description |
|---------|--|
| BE-1111 | 3 way High Pressure Stopcock with 10cm Pressure Line |
| BE-1148 | 2 way High Pressure Stopcock MLL |
| BE-1149 | 3 way High Pressure Stopcock with Rotating Adaptor MLL |

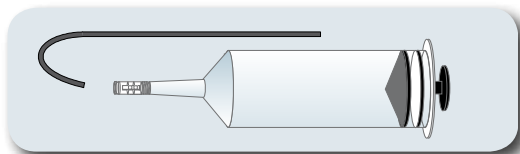
Qty/Box: 50



Power Syringes & Pressure Lines

Power Syringes

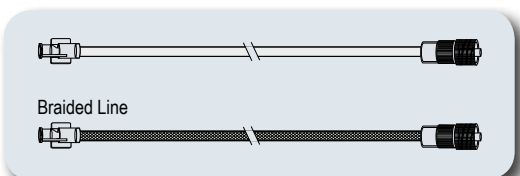
| Code | Description | Qty/Box |
|---------|---|---------|
| BI-0538 | 150ml Injection Power Syringe with Filling Tube for Medrad Mark V and Mark V Plus Injectors | 50 |
| BI-0540 | 150ml Power Syringe for Angiomat 6000 | 60 |
| BI-0548 | 200ml Injection Power Syringe with Filling Tube for Medrad Mark V and Mark V Plus Injectors | 50 |
| BI-0910 | Filling Tube for Power Syringe | 150 |



High Pressure Lines

| Code | Length | PSI |
|---------|--------|------|
| BL-1050 | 50cm | 1200 |
| BL-1075 | 75cm | 1200 |
| BL-1125 | 125cm | 1200 |
| BL-1160 | 160cm | 1200 |
| BM-4025 | 25cm | 1200 |
| BM-4050 | 50cm | 1200 |
| BM-4075 | 75cm | 1200 |
| BM-4120 | 120cm | 1200 |
| BM-4160 | 160cm | 1200 |
| BM-4200 | 200cm | 1200 |

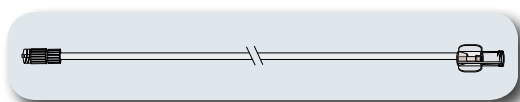
Qty/Box: 50



Braided high pressure line combines high pressure capacity with flexible tubing

Monitoring Lines

| Code | Description | Qty/Box |
|---------|-------------|---------|
| AH-1015 | 15cm M/F | 150 |
| AH-1030 | 30cm M/F | 150 |
| AH-1050 | 50cm M/F | 150 |
| AH-1100 | 100cm M/F | 150 |
| AH-1150 | 150cm M/F | 100 |
| AH-1180 | 180cm M/F | 100 |
| AH-1200 | 200cm M/F | 100 |
| AH-2100 | 100cm M/M | 150 |
| AH-2150 | 150cm M/M | 100 |
| AH-2200 | 200cm M/M | 100 |
| AH-2240 | 240cm M/M | 100 |



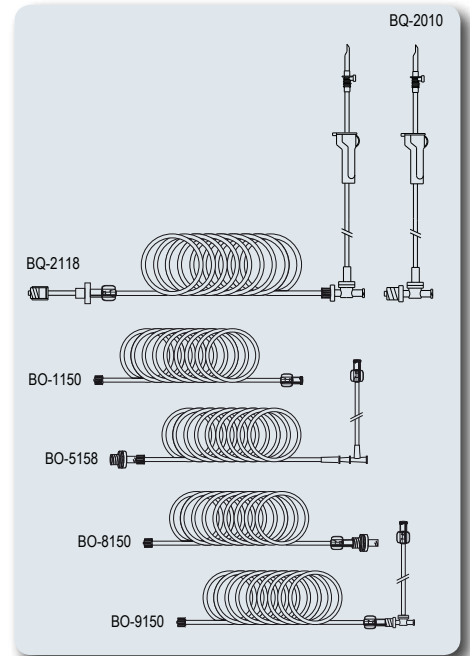
Pressure Line ID: 1.6mm, OD: 3.2mm
Material: PVC

Coiled Lines & Power Syringes

Coiled Low Pressure Sets

| Code | Description |
|---------|---|
| BQ-2010 | Safety Filling Injecting Set |
| BQ-2118 | CT/MRI Safety Filling Injecting Set |
| BO-1150 | 150cm Coiled Low Pressure Connecting Tube M/F |
| BO-5158 | 150cm Coiled Low Pressure T-Connected Tube with One Way Check Valve |
| BO-8150 | 150cm Coiled Low Pressure Connecting Tube with One Way Check Valve |
| BO-9150 | 150cm Coiled Low Pressure T-Connected Tube with Integrated Double Check Valve |

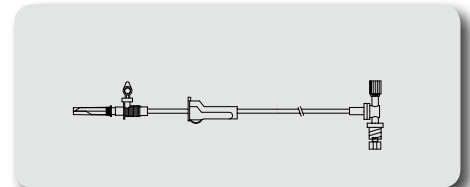
Qty/Box: 25



| Code | Description | Qty/Box |
|---------|---------------|---------|
| BQ-2010 | Injection Set | 25 |

Set Contents

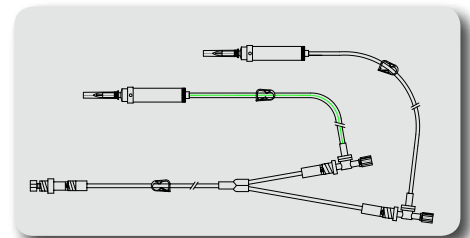
- Double Check Valve
- Infusion Set Vented



| Code | Description | Qty/Box |
|---------|--------------------|---------|
| BQ-2200 | Double Syringe Set | 25 |

Set Contents

- 2 Double Check Valve
- 2 Infusion Set Vented
- 3 Clamps
- One Way Check Valve F/MLL

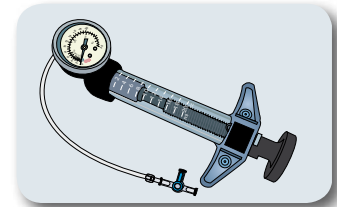


PTCA Kits & Accessories

Inflation Device

| Code | Description |
|---------|-----------------------|
| BQ-9001 | Inflation Device 20cc |

Qty/Box: 12



PTCA Kits

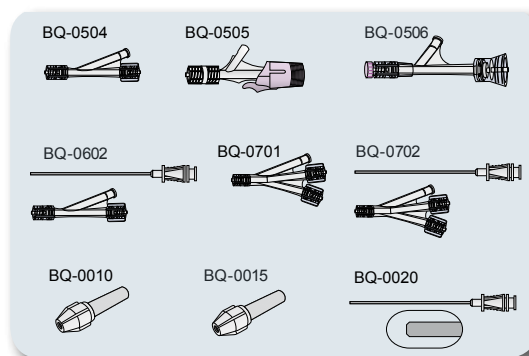
| Code | Set Contents | |
|---------|---|--|
| BQ-9050 | <ul style="list-style-type: none"> ● Inflation Device 20cc ● Click Angioplasty Valve ● Torque Device ● Insertion Tool | |
| BQ-9215 | <ul style="list-style-type: none"> ● Inflation Device 20cc ● Click Angioplasty Valve with 20cm Side Arm and Stopcock ● Torque Device ● Insertion Tool | |
| BQ-9060 | <ul style="list-style-type: none"> ● Inflation Device 20cc ● Push Pull Y Angioplasty Valve ● Torque Device ● Insertion Tool | |
| BQ-9216 | <ul style="list-style-type: none"> ● Inflation Device 20cc ● Push Pull Y Angioplasty Valve with 20cm Side Arm and Stopcock ● Torque Device ● Insertion Tool | |

Qty/Box: 12

PTCA Kits & Accessories

Angioplasty Valves and Accessories

| Code | Description | Qty/Box |
|---------|--|---------|
| BQ-0504 | Single Y-Angioplasty Valve | 25 |
| BQ-0505 | Click Angioplasty Valve | 20 |
| BQ-0506 | Push Pull Y Angiography Valve | 25 |
| BQ-0602 | Single Y-Angioplasty Valve with Insertion Tool | 25 |
| BQ-0701 | Double Y-Angioplasty Valve | 25 |
| BQ-0702 | Double Y-Angioplasty Valve with Insertion Tool | 25 |
| BQ-0010 | Torque Device for 0.014"-0.025" Guidewire | 100 |
| BQ-0015 | Torque Device for 0.025"-0.040" Guidewire | 50 |
| BQ-0020 | 20Ga Metal Insertion Tool | 100 |



PTCA Kits & Accessories

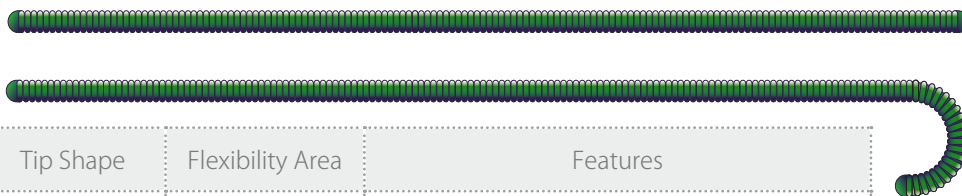
| Code | Set Contents | |
|----------|--|--|
| BQ-0805 | <ul style="list-style-type: none"> Single Y-Angioplasty Valve Torque Device Insertion Tool | |
| BQ-X0805 | <ul style="list-style-type: none"> Single Y-Angioplasty Valve with 20cm Side Arm and Stopcock Torque Device Insertion Tool | |
| BQ-Y0805 | <ul style="list-style-type: none"> Double Y-Angioplasty Valve Torque Device Insertion Tool | |
| BQ-0905 | <ul style="list-style-type: none"> Click Angioplasty Valve Torque Device Insertion Tool | |
| BQ-1905 | <ul style="list-style-type: none"> Click Angioplasty Valve with 20cm Side Arm and Stopcock Torque Device Insertion Tool | |
| BQ-0906 | <ul style="list-style-type: none"> Push Pull Y Angioplasty Valve Torque Device Insertion Tool | |
| BQ-1906 | <ul style="list-style-type: none"> Push Pull Y Angioplasty Valve with 20cm Side Arm and Stopcock Torque Device Insertion Tool | |

Qty/Box: 25

Guide Wires

Angiography / Diagnostics

All Guide Wires are pre-coat PTFE and can be used for a variety of angiography procedures.



| Code | Sizes | Tip Shape | Flexibility Area | Features |
|---------|--------------|-----------|------------------|--|
| HR-3831 | 0.035"x150cm | J 3mm | Double Distal | Fixed Core, Finger Straightenable |
| HR-5521 | 0.035"x150cm | J 3mm | Single Distal | Movable Core |
| HR-3822 | 0.035"x150cm | J 3mm | Single Distal | Fixed Core, Finger Straightenable |
| HR-3823 | 0.035"x150cm | J 3mm | Single Distal | Fixed Core, Finger Straightenable, Firm Body |
| HR-3812 | 0.035"x150cm | Straight | Single Distal | Fixed Core |
| HR-3031 | 0.035"x180cm | J 3mm | Double Distal | Fixed Core, Finger Straightenable |
| HR-3922 | 0.035"x260cm | J 3mm | Single Distal | Fixed Core, Finger Straightenable |
| HR-3912 | 0.035"x260cm | Straight | Single Distal | Fixed Core, Finger Straightenable |
| HR-4822 | 0.038"x150cm | J 3mm | Single Distal | Fixed Core, Finger Straightenable |
| HR-4862 | 0.038"x150cm | Straight | Single Distal | Fixed Core |
| HR-4922 | 0.038"x260cm | J 3mm | Single Distal | Fixed Core, Finger Straightenable |
| HR-4912 | 0.038"x260cm | Straight | Single Distal | Fixed Core |

Qty/Box: 50

Hydrophilic

Hydrophilic Guide wires are designed to provide superior lubricity for enhanced control and steerability. Suited for a wide range of anatomical and clinical angiography procedures.



| Code | Sizes | Guide Wire Stiffness | Tip Shape |
|---------|--------------|----------------------|-----------|
| HR-2851 | 0.018"x150cm | Standard | Angled |
| HR-2051 | 0.018"x180cm | Standard | Angled |
| HR-3811 | 0.035"x150cm | Standard | Straight |
| HR-3818 | 0.035"x150cm | Stiff | Straight |
| HR-5654 | 0.035"x150cm | Standard | Angled |
| HR-5655 | 0.035"x150cm | Stiff | Angled |
| HR-6511 | 0.035"x180cm | Standard | Angled |
| HR-6512 | 0.035"x180cm | Standard | Straight |
| HR-3631 | 0.035"x260cm | Stiff | Angled |
| HR-5641 | 0.035"x260cm | Standard | Angled |
| HR-5642 | 0.035"x260cm | Stiff | Straight |
| HR-5652 | 0.035"x260cm | Standard | Straight |
| HR-4851 | 0.038"x150cm | Standard | Angled |

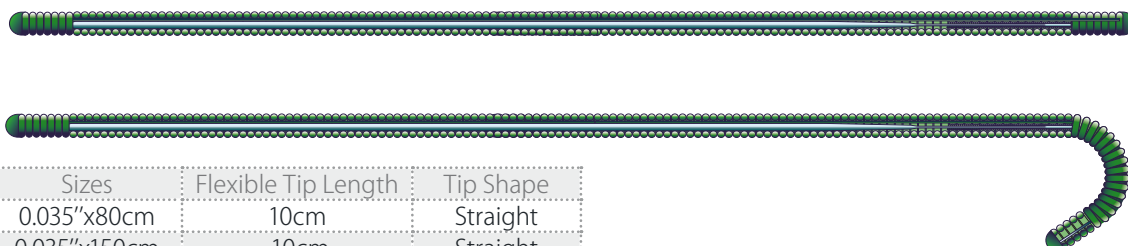
Flexible Tip Length: 30mm

Qty/Box: 5

Guide Wires

Amplatz Super stiff

All Amplatz Guide Wires are pre-coat PTFE and can be used for interventional cardiovascular procedures and interventional biliary drainage, abscess drainage, urology procedures and catheter exchanges



| Code | Sizes | Flexible Tip Length | Tip Shape |
|---------|--------------|---------------------|------------|
| HR-3840 | 0.035"x80cm | 10cm | Straight |
| HR-3815 | 0.035"x150cm | 10cm | Straight |
| HR-3825 | 0.035"x150cm | 12cm | Modified J |
| HR-2922 | 0.035"x180cm | 12cm | Modified J |
| HR-4828 | 0.035"x260cm | 10cm | Straight |
| HR-3828 | 0.035"x260cm | 12cm | Modified J |
| HR-4840 | 0.038"x80cm | 10cm | Straight |
| HR-4815 | 0.038"x150cm | 10cm | Straight |
| HR-4821 | 0.038"x180cm | 10cm | Straight |

Qty/Box: 5

Bentson

The Bentson Guide Wire is pre-coat PTFE, with an extra floppy tip. It is used for cerebral angiography and other angiographic interventional procedures.

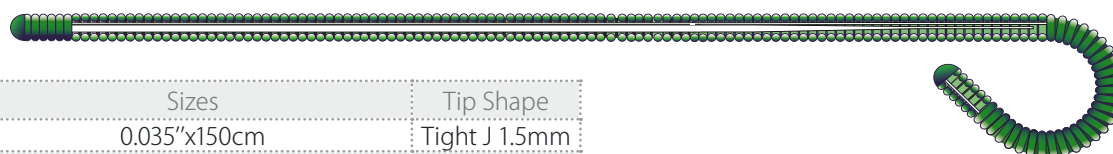


| Code | Sizes | Flexible Tip Length | Tip Shape |
|---------|--------------|---------------------|-----------|
| HR-7912 | 0.035"x150cm | 15cm | Straight |

Qty/Box: 5

Rosen

All Rosen-Heavy Duty Guide Wires are pre-coat PTFE which offer an intermediate level of body stiffness. The non-traumatic tip characteristics are critical to the success of clinical vascular and non-vascular procedures.



| Code | Sizes | Tip Shape |
|---------|--------------|---------------|
| HR-3827 | 0.035"x150cm | Tight J 1.5mm |
| HR-3826 | 0.035"x180cm | Tight J 1.5mm |
| HR-3929 | 0.035"x260cm | Tight J 1.5mm |

Qty/Box: 5