

Myo-Pace™ Myocardial Heart Wires

The Myo-Pace™ range of myocardial heart wires is designed specifically for use in temporary cardiac pacing after open heart surgery.

The polyethylene insulation provides the smooth surface necessary to minimise tissue trauma both on placing and withdrawal of the heart wire, whilst the multifilament braided stainless steel wire construction ensures maximum flexibility and strength. Break-off thoracic needles are available to permit easy connection to the external pacemaker. Various sizes of myocardial needles are available to allow for surgeon preference and heart tissue condition.

Colour coded insulation enables easy identification of implanted wires.

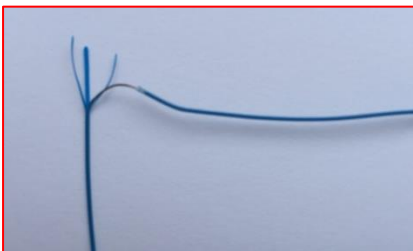
Thoracic needle



- Solid needle with a choice of straight or curved shape for different applications
- Sharp trocar point to easily puncture the thorax wall
- Secure grip to allow safe insertion of the heart wire
- Optional break off design allows easy connection of wires to patient extension cable or external pacemaker

Myocardial needle

- Choice of myocardial needle size from 12mm to 26mm
- Choice of semi-circle and 3/8 circle shape to suit all applications



Anchoring of the heart wires

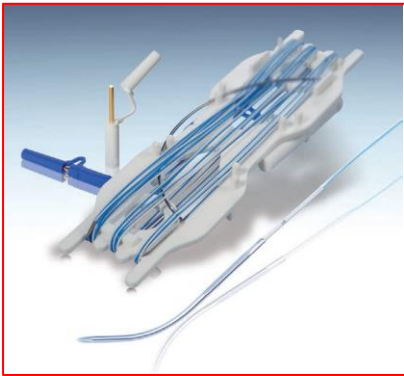
Tines (spread anchor)

Similar to the anchors used on permanent pacing wires, these soft and flexible anchors are made from the insulation sheath. They permit secure fixture of the heart wires after insertion, whilst allowing for the safe, easy extraction of the



Unipolar heart wires

Heart wires with unipolar electrodes are the most common type of pacing wire. They can be placed inside the myocardium in different ways. At least two unipolar electrodes are required for heart stimulation. **Allows choice of location and position of the electrodes.**



Bipolar heart wires

Inline Electrodes

- Allows placement of the electrode in myocardial wall
- One puncture hole means **less trauma** to the myocardium and thorax

Branched Electrodes

- Allows placement of the electrodes in different places on the myocardium, which **facilitates more extensive stimulation** of the heart.
- Only one puncture hole needed in thorax wall

Heart Wire Specifications:

Electrode Multifilament:	Stainless steel wire
Insulation:	Polyethylene
Needles:	Stainless steel
Sterilisation Process:	Ethylene Oxide (Eto)
Packaging:	Double packed, sterile

The device as sold may embody design or performance modifications not reflected in applicable literature; however APC Cardiovascular Ltd warrants that such modifications will not reduce the design performance of the device.

Surgical accessories

We can also provide an **extended range of sterile accessories** for cardiac surgical procedures, including vessel ligatures, clamp and instrument covers. **For more information please contact us directly using the details below.**

Heart Wires Guide

Standard Range Version	Ref No.	Fixation	Colour	Thoracic needle	Myocardial needle	Qty per Box
Unipolar - break off thoracic needle	3140B	----	Blue	63mm, straight break off	26mm half circle	36
	3145B	----	Clear	63mm, straight break off	26mm half circle	36
	3150B	----	Blue	63mm, straight break off	18mm half circle	36
	3155B*	----	Clear	63mm, straight break off	26mm half circle	36
	3170B	tines	Blue	63mm, straight break off	26mm half circle	36
	3175B	tines	Clear	63mm, straight break off	26mm half circle	36
Unipolar	3140	----	Blue	63mm, straight	26mm half circle	36
	3145	----	Clear	63mm, straight	26mm half circle	36
	3150	----	Blue	63mm, straight	18mm half circle	36
	23.01031	tines	Blue	63mm, straight	26mm half circle	36
Bipolar - split wire/bifurcated -break off needle	21.01541	tines	Blue/White	84mm ski-shaped break off	2 x 20mm 3/8 circle	12
	21.01531	tines	Blue/White	84mm ski-shaped break off	2 x 26mm half circle	12
Bipolar - split wire/bifurcated	21.01641	tines	Blue/White	89mm curved	2 x 20mm 3/8 circle	12
	21.01621	tines	Blue/White	89mm curved	2 x 22mm half circle	12
	21.01631	tines	Blue/White	89mm curved	2 x 26mm half circle	12
Bipolar - in-line electrodes - break off thoracic needle	22.01541	tines	Blue/White	84mm ski-shaped break off	20mm 3/8 circle	12
	22.01531	tines	Blue/White	84mm ski-shaped break off	26mm half circle	12
Bipolar - in-line electrodes	22.01641	tines	Blue/White	89mm curved	20mm 3/8 circle	12
	22.01621	tines	Blue/White	89mm curved	22mm half circle	12
	22.01631	tines	Blue/White	89mm curved	26mm half circle	12

Sternotomy Wires

Our range of sternotomy wires is specifically designed to facilitate sternum closure after cardiac or thoracic surgery. The **excellent quality** of stainless steel and cut facilitates an easy penetration of the sternum, with **minimal tissue trauma**. The monofilament stainless steel wire is **extremely tear-resistant and flexible**, to give optimal adaptation to the sternal contours and minimizing the risk of sternal wound dehiscence. Sternotomy wires are packaged in a suitable dispenser, either straight packed or coiled. They are available as single pack and multi-pack, to allow **easy, rapid removal** and **excellent handling**.



Sternum Wire Specification

Wire: Stainless Steel, monofilament, implant quality
 Needle: Stainless Steel

Dimensions

Needle: 50 mm curve length
 Type: 1/2 circle, cutting, lancet-trocar-point cut
 Packaging: Double packed, sterile

Sternotomy Wires Guide

Options	Description	Ref No.	Metric/USP	Length	Wire diameter	Per Pouch	Packaging unit
Sternum Wire with Needle HSLX 50	Straight packed single wire	49.F71	7/5	75cm	0.78mm	Single wire	24 pouches/Box
Sternum Wire with Needle HSLX 50	Straight packed two wires	249.F71	7/5	75cm	0.78mm	2 wires	24 pouches/Box
Sternum Wire with Needle HSLX 50	Straight packed four wires	449.F7	7/5	50cm	0.78mm	4 wires	24 pouches/Box
Sternum Wire with Needle HSLX 50	Straight packed two wires	249.F81	8/7	75cm	0.85mm	2 wires	24 pouches/Box
Sternum Wire with Needle HSLX 50	Straight packed four wires	449.F8	8/7	50cm	0.85mm	4 wires	24 pouches/Box
Sternum Wire with Needle HSLX 50	Straight packed four wires	449.F9	9/8	50cm	0.95mm	4 wires	24 pouches/Box
Sternum Wire with Needle HSLX 50	Straight packed four wires	49.F71R	9/8	50cm	0.95mm	4 wires	24 pouches/Box
Sternum Wire with Needle HSLX 50	Coil packed single wire	49.F71R	7/5	75cm	0.78mm	Single wire	12 pouches/Box

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