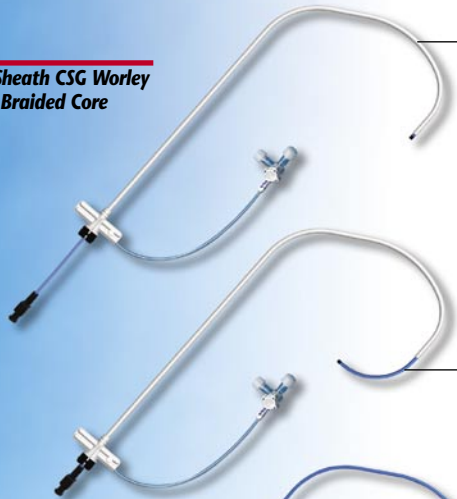


Essential Pressure Products/SafeSheath® CSG® Worley Biventricular Implant Tools

SafeSheath CSG Worley with Braided Core

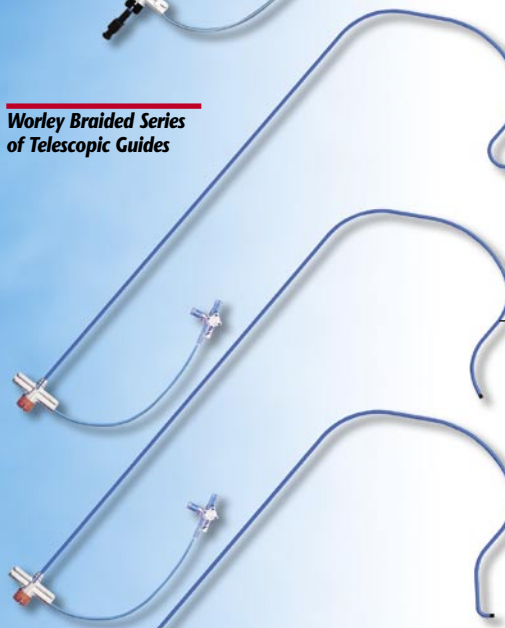


Model CSG/Worley/BCor-1-09:
Unique curve designed specifically for ventricular resynchronization therapy from the left side only. New radio opaque soft tipped Braided Core of the CSG Worley (shown in its neutral position) provides one to one torque control between the tip and the hub.

Also available: **Model CSG/Worley/BCor-2-09:** Jumbo curve has same characteristics as the Standard Worley, but is designed for patients with massive right heart structures.

The braided core can be extended (shown here) to create additional shapes and assist in CS cannulation. Once in place in the CS, the CSG Worley provides a stable platform for direct or telescoping lead delivery with the telescopic guides below.

Worley Braided Series of Telescopic Guides



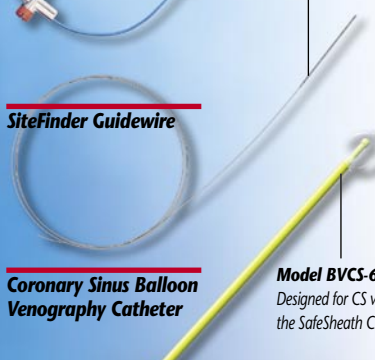
Model LVI/B-60-07-HS:
Hockey Stick shape for access to veins with a gentle arc and obtuse angulated origins.

Model LVI/B-60-07-MP:
This Multi-purpose shaped, 90° curve is useful for sub-selecting veins arising at angles of 15-90° from the coronary sinus.

Model LVI/B-60-07-RE:
Renal shaped to permit sub-selection of veins whose origin runs opposite to the coronary sinus primary direction.

Model SF-200-MS:
SiteFinder Guidewire with medium stiffness.

SiteFinder Guidewire



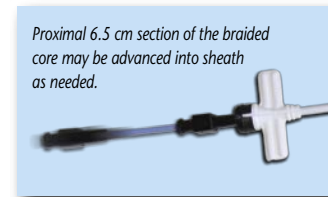
Coronary Sinus Balloon Venography Catheter

Model BVCS-6180:
Designed for CS venography via the SafeSheath CSG Worley.

The biventricular implant tools shown at left are the essential products that we recommend the implanting physician have on hand at all times to insure an efficient and successful implant. Included is a rough estimate of the frequency of use to help estimate the number of each item to keep on hand in the lab.

NEW Braided Core SafeSheath CSG Worley

The SafeSheath CSG Worley STD 40cm with Braided Core and the SafeSheath CSG Worley Jumbo 50cm with Braided Core provide rapid access to the coronary sinus. In addition they serve as the platform for the insertion of the braided telescopic guides. The 40 cm STD is suitable for 85% of patients with CHF who require biventricular pacing. The 50cm Jumbo is designed for large patients with massively dilated hearts and is required in 15% of cases.



Proximal 6.5 cm section of the braided core may be advanced into sheath as needed.

The new, radio opaque, soft tipped braided core replaces the curved dilator from previous models and has many advantages including:

- Markedly improved torque control
- Greater safety with the soft tip
- Greater ease of use with the radio opaque marker on the tip of the core
- The ability to advance the tip of the radio opaque core beyond the end of the sheath to create additional shapes and improve your ability to cannulate the difficult CS.

Worley Braided Series of Telescopic Guides

Finally a safe and efficient way to deliver the LV pacing lead to the lateral wall of the LV that will cut your implant time dramatically. These guides are designed to fit in the SafeSheath CSG Worley and cannulate the target vein to deliver the lead to the lateral wall of the LV. Each shape is designed for a specific vein type. The Renal shaped guide is used most frequently.

Model	Description	Length	Size	Curve	O.D./I.D.	Tip I.D.
CSG/Worley/BCor-1-09	Standard curve, kink-resistant hemostatic sheath system w/side port	40cm	9 French	Standard	0.157"/0.130"	0.122"
CSG/Worley/BCor-2-09	Jumbo curve, kink-resistant hemostatic sheath system w/side port	50cm	9 French	Jumbo	0.157"/0.130"	0.122"
LVI/B-60-07-MP	Braided, kink-resistant hemostatic sheath system w/side port	60cm	7 French	90°	0.118"/0.095"	0.092"
LVI/B-60-07-HS	Braided, kink-resistant hemostatic sheath system w/side port	60cm	7 French	110°	0.118"/0.095"	0.092"
LVI/B-60-07-RE	Braided, kink-resistant hemostatic sheath system w/side port	60cm	7 French	compound	0.118"/0.095"	0.092"
SF-200-MS	SiteFinder Guidewire Medium Stiffness	200cm	.014"	-	-/-	-
BVCS-6180	Coronary Sinus Balloon Venography Catheter	80cm	6 French	-	-/-	-



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