Our dedication to innovative solutions

brings you the Medtronic coronary guidewires. They take the work out of choosing wires, with a range of products available to support your clinical needs.



ZingerTM Stainless Steel Workhorse Guidewire

When you need steerability and torque control

Stainless steel core wire provides torque transmission for advanced steerability and control. Available in a range of support levels for a variety of clinical situations: light, marker, medium, and support.

IntuitionTM Advanced Workhorse Guidewire

Confidently cross your more challenging workhorse cases

Torque performance and one-gram tip weight give you precision and confidence during your more difficult workhorse cases. Accu-Core Technology provides torque and improved crossability.

CougarTM Nitinol Workhorse Guidewire

When you need trackability for distal and tortuous access

Nitinol core wire provides steerability and support through tortuous anatomy and for multivessel treatment. Double coil tip is soft and atraumatic for shape retention.

ThunderTM Extra-Support Guidewire

When you need extra support

Stainless steel, core-to-tip design provides torque, tip control, and steering for situations requiring extra support.

ProViaTM Crossing Guidewire

Designed to cross your most demanding lesions

Available in a wide range of weights and lengths. Accu-Core Technology offers torque performance, tactile feel, improved lesion penetration, and a 1-mm nonhydrophilic tip.

Guidewire Family Ordering Information—Contact your Medtronic sales representative.

A choice of two coatings to meet your needs — Available in Pro/PelTM silicone coating or Hydro-TrackTM hydrophilic coating, for a more lubricious wire without increasing tip stiffness.

Cougar™ Nitinol Workhorse Guidewire

Product	Product Code	Length (cm)	Coating	Tip			
Cougar™ Light Support							
	CGRLS190HS	190	Hydro-Track™	Straight tip			
	CGRLS190S	190	Pro/Pel TM	Straight tip			
	CGRLS190HJ	190	Hydro-Track™	J-tip			
Cougar™ LS Guidewire	CGRLS190J	190	Pro/Pel TM	J-tip			
	CGRLS300HS	300	Hydro-Track™	Straight tip			
	CGRLS300S	300	Pro/Pel TM	Straight tip			
	CGRLS300HJ	300	Hydro-Track™	J-tip			
	CGRLS300J	300	Pro/Pel TM	J-tip			
Cougar™ Medium Support							
	CGRXT190HS	190	Hydro-Track™	Straight tip			
	CGRXT190S	190	Pro/Pel™	Straight tip			
	CGRXT190HJ	190	Hydro-Track™	J-tip			
Cougar™ XT Guidewire	CGRXT190J	190	Pro/Pel TM	J-tip			
	CGRXT300HS	300	Hydro-Track™	Straight tip			
	CGRXT300S	300	Pro/Pel™	Straight tip			
	CGRXT300HJ	300	Hydro-Track™	J-tip			
	CGRXT300J	300	Pro/Pel™	J-tip			

ProVia[™] Crossing Guidewire

Product	Product Code	Size (g)	Length (cm)	Coating	Tip
ProVia™ 3					
	3PROV180HS	3	180	Hydro-Track™	Straight tip
ProVia™ 3	3PROV180SS	3	180	Pro/Pel™	Straight tip
Guidewire	3PROV300HS	3	300	Hydro-Track™	Straight tip
	3PROV300SS	3	300	Pro/Pel TM	Straight tip
ProVia™ 6					
	6PROV180HS	6	180	Hydro-Track™	Straight tip
ProVia™ 6 Guidewire	6PROV180SS	6	180	Pro/Pel™	Straight tip
	6PROV300HS	6	300	Hydro-Track™	Straight tip
	6PROV300SS	6	300	Pro/Pel TM	Straight tip
ProVia™ 9					
	9PROV180HS	9	180	Hydro-Track™	Tapered tip
ProVia™ 9	9PROV180SS	9	180	Pro/Pel™	Tapered tip
Guidewire	9PROV300HS	9	300	Hydro-Track™	Tapered tip
	9PROV300SS	9	300	Pro/Pel™	Tapered tip
ProVia™ 12	2				
	12PROV180HS	12	180	Hydro-Track™	Tapered tip
ProVia™ 12	12PROV180SS	12	180	Pro/Pel™	Tapered tip
Guidewire	12PROV300HS	12	300	Hydro-Track™	Tapered tip
	12PROV300SS	12	300	Pro/Pel™	Tapered tip

Thunder[™] Extra-Support Guidewire

Product	Product Code	Length (cm)	Coating	Tip
	THNDR190S	190	Pro/Pel TM	Straight tip
Thunder™	THNDR190J	190	Pro/Pel TM	J-tip
Guidewire	THNDR300S	300	Pro/Pel TM	Straight tip
	THNDR300J	300	Pro/Pel TM	J-tip

Medtronic

For further information, please call and/or consult Medtronic at the toll-free numbers or websites listed.

Medtronic 3576 Unocal Place Santa Rosa, CA 95403 Tel: 707.525.0111

medtronic.com

LifeLine Customer Support Tel: 877 526 7890 Tel: 763 526 78901 Product Services

Tel: 888 283 7868 Fax: 800.838.3103 **Zinger**™ Stainless Steel Workhorse Guidewire oduct Product Code Length (cm) Coating Tip

Zinger™ Ligh	t			
	ZNGRLS180HS	180	Hydro-Track™	Straight tip
Zinger™ LS Guidewire	ZNGRLS180S	180	Pro/Pel TM	Straight tip
	ZNGRLS180HJ	180	Hydro-Track™	J-tip
	ZNGRLS180J	180	Pro/Pel TM	J-tip
	ZNGRLS300HS	300	Hydro-Track™	Straight tip
	ZNGRLS300S	300	Pro/Pel™	Straight tip
	ZNGRLS300HJ	300	Hydro-Track™	J-tip
	ZNGRLS300J	300	Pro/Pel TM	J-tip
Zinger™ Mar	ker			
	ZNGRMK180HS	180	Hydro-Track™	Straight tip
	ZNGRMK180S	180	Pro/Pel TM	Straight tip
	ZNGRMK180HJ	180	Hydro-Track™	J-tip
Zinger TM MK	ZNGRMK180J	180	Pro/Pel TM	J-tip
Guidewire	ZNGRMK300HS	300	Hydro-Track™	Straight tip
	ZNGRMK300S	300	Pro/Pel TM	Straight tip
	ZNGRMK300HJ	300	Hydro-Track™	J-tip
	ZNGRMK300J	300	Pro/Pel TM	J-tip
Zinger™ Med	lium			
	ZNGRMS180HS	180	Hydro-Track™	Straight tip
	ZNGRMS180S	180	Pro/Pel TM	Straight tip
	ZNGRMS180HJ	180	Hydro-Track™	J-tip
Zinger™ MS	ZNGRMS180J	180	Pro/Pel TM	J-tip
Guidewire	ZNGRMS300HS	300	Hydro-Track™	Straight tip
	ZNGRMS300S	300	Pro/Pel TM	Straight tip
	ZNGRMS300HJ	300	Hydro-Track™	J-tip
	ZNGRMS300J	300	Pro/Pel TM	J-tip
Zinger™ Sup	port			
	ZNGRS180HS	180	Hydro-Track™	Straight tip
	ZNGRS180S	180	Pro/Pel TM	Straight tip
	ZNGRS180HJ	180	Hydro-Track™	J-tip
Zinger TM S	ZNGRS180J	180	Pro/Pel™	J-tip
Guidewire	ZNGRS300HS	300	Hydro-Track™	Straight tip
	ZNGRS300S	300	Pro/Pel TM	Straight tip
	ZNGRS300HJ	300	Hydro-Track™	J-tip
	ZNGRS300J	300	Pro/Pel TM	J-tip

Intuition[™] Advanced Workhorse Guidewire

Product	Product Code	Length (cm)	Coating	Tip
Intuition™ Guidewire	INTU180HS	180	Hydro-Track™	Straight tip
	INTU180SS	180	Pro/Pel TM	Straight tip
	INTU300HS	300	Hydro-Track™	Straight tip
	INTU300SS	300	Pro/Pel TM	Straight tip

Note: All guidewires are 0.014-in wires and 180-cm wires are DOC™* compatible.

Important Information

UC201707400EN 8/17

Prior to use, refer to the Instructions for Use supplied with these devices for indications contraindications, side effects, suggested procedure, warnings and precautions.

Indications for Use Medtronic guide wires are steerable guide wires that are used for the introduction and placemen

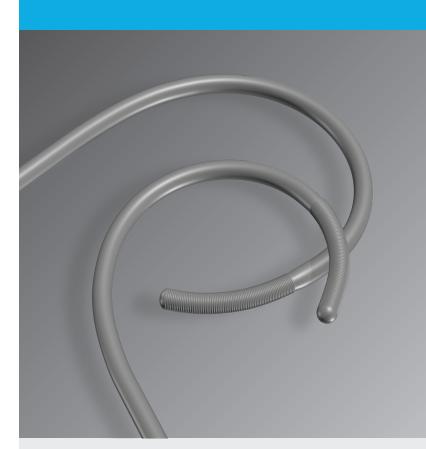
of diagnostic or interventional devices in the coronary and peripheral vasculature and may be used to reach and cross a target lesion. Medtronic guide wires are not intended for use in cerebral vasculature. Medtronic steerable exchange guide wires are used to facilitate the substitution of one nostic or interventional device for another. Potential Adverse Events:

The following complications may be associated with the use of guide wire devices: excessive bleeding, air embolism, ischemia, hematoma at the puncture site, infection, vessel spasm, vascular bosis and vessel dissection and perforation.

Federal (USA) law restricts these devices to sale by or on the order of a licensed healthcare practitioner. See package inserts for full product information. ${\it Please contact your local Med tronic sales representative for more information.}$ Test data on file at Medtronic. Bench test results may not be indicative of clinical performance.

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Zinger™ Stainless Steel Workhorse Guidewire

Intuition™ Advanced Workhorse Guidewire

Cougar™ Nitinol Workhorse Guidewire

Thunder™ Extra-Support Guidewire

Provia™ Crossing Guidewire

> Medtronic Further, Together

GUIDEWIRE FAMILY

A choice of two coatings to meet your needs — Available in Pro/PelTM silicone coating or Hydro-TrackTM hydrophilic coating, for a more lubricious wire without increasing tip stiffness.

WHEN YOU NEED STEERABILITY AND TORQUE CONTROL

ZingerTM Stainless Steel Workhorse Guidewire

Zinger™ Light Guidewire



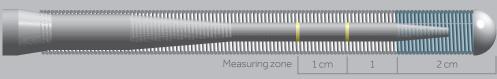
Tip style: Forming ribbon Outer coating: Hydro-Track™ or Pro/Pel™







Zinger™ Marker Guidewire



Tip style: Forming ribbon Outer coating: Hydro-Track™ or Pro/Pel™

Tip Stiffness



Zinger™ Medium Guidewire



Tip style: Forming ribbon Outer coating: Hydro-Track™or Pro/Pel™



Zinger™ Support Guidewire



Tip style: Forming ribbon Outer coating: Hydro-TrackTMor Pro/PelTM





CONFIDENTLY CROSS YOUR MORE CHALLENGING WORKHORSE CASES

IntuitionTM Advanced Workhorse Guidewire





Tip style: Core-to-tip Outer coating: Hydro-Track™ or Pro/Pel™







WHEN YOU NEED TRACKABILITY FOR DISTAL AND TORTUOUS ACCESS

CougarTM Nitinol Workhorse Guidewire

Cougar™ LS Guidewire — Light Support



Tip style: Forming ribbon Outer coating: Hydro-TrackTM or Pro/PelTM





Tip style: Forming ribbon Outer coating: Hydro-TrackTM or Pro/PelTM





WHEN YOU NEED EXTRA SUPPORT

Cougar™ XT Guidewire — Medium Support

ThunderTM Extra-Support Guidewire

Thunder™ Guidewire



Tip style: Core-to-tip Outer coating: Pro/Pel™





DESIGNED TO CROSS YOUR MOST DEMANDING LESIONS

ProViaTM Crossing Guidewire

STRAIGHT TIP (0.014 in)

ProVia™ 3 Guidewire

ProVia[™] 6 Guidewire



Tip style: Core-to-tip Outer coating: Hydro-Track™ or Pro/Pel™





Tip style: Core-to-tip Outer coating: Hydro-TrackTM or Pro/PelTM



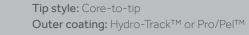




ProVia™ 9 Guidewire

ProVia[™] 12 Guidewire









Tip style: Core-to-tip Outer coating: Hydro-TrackTM or Pro/PelTM



