



ABBOTT GUIDE WIRES

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Tests performed by and data on file at Abbott. All tip stiffness values are averages, based on a sample of 5 guide wires, tested with an automated machine in a controlled environment. All Device Support Level values are test results on a single guide wire under the same ambient conditions. Illustrations are artist's representations only and should not be considered as engineering drawings or photographs.

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HI-TORQUE BALANCE MIDDLEWEIGHT, HI-TORQUE BALANCE MIDDLEWEIGHT ELITE, HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II, HI-TORQUE CROSS-IT, HI-TORQUE EXTRA S'PORT, HI-TORQUE FLOPPY, HI-TORQUE PILOT, HI-TORQUE POWERTURN, HI-TORQUE PROGRESS, HI-TORQUE TURNTRAC, HI-TORQUE VERSATURN, HI-TORQUE WHISPER, HI-TORQUE WIGGLE, Hydrocoat, Microglide, SmoothGlide, and Turbocoat are trademarks of the Abbott Group of Companies.

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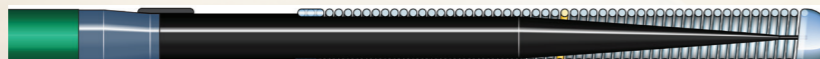
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DRIVING YOU FORWARD START TO FINISH

ABBOTT GUIDE WIRES


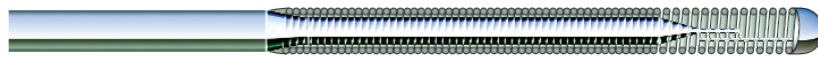



ABBOTT GUIDE WIRES WORKHORSE

The guide wire you can rely on to handle a wide variety of needs. Flexible, with a soft tip and the support to deliver most interventional devices.

	CORE MATERIAL	COVER TYPE OR COILS	TIP STYLE	COATINGS	TIP LOAD (g)
NITINOL					
HI-TORQUE TURNTRAC	ELASTINITE Nitinol	Bare Coils	Core-To-Tip	Hydrophilic	0.8
					
HI-TORQUE TURNTRAC FLEX	ELASTINITE Nitinol	Bare Coils	Core-To-Tip	Hydrophilic	0.6
					
HI-TORQUE VERSATURN	ELASTINITE Nitinol	Bare Coils	Core-To-Tip	Hydrophilic	0.8
					
HI-TORQUE BALANCE MIDDLEWEIGHT	ELASTINITE Nitinol	Bare Coils	Shaping Ribbon	Hydrophilic or Hydrophobic	0.6
					
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL	ELASTINITE Nitinol	Intermediate Polymer Sleeve	Shaping Ribbon	Hydrophilic	0.6
					
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II	ELASTINITE Nitinol	Intermediate Polymer Sleeve	Shaping Ribbon	Hydrophilic	0.7
					
HI-TORQUE BALANCE MIDDLEWEIGHT ELITE	ELASTINITE Nitinol	Bare Coils	Core-To-Tip	Hydrophilic	0.8
					

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	CORE MATERIAL	COVER TYPE OR COILS	TIP STYLE	COATINGS	TIP LOAD (g)
STAINLESS STEEL					
HI-TORQUE FLOPPY II	Stainless Steel	Bare Coils	Shaping Ribbon	Hydrophilic or Hydrophobic	0.4
					
HI-TORQUE FLOPPY II ES	Stainless Steel	Bare Coils	Shaping Ribbon	Hydrophilic or Hydrophobic	0.6
					
HI-TORQUE POWERTURN	DURASTEEL Stainless Steel	Bare Coils	Core-To-Tip	Hydrophilic	0.9
					
HI-TORQUE POWERTURN FLEX	DURASTEEL Stainless Steel	Bare Coils	Core-To-Tip	Hydrophilic	0.9
					
HI-TORQUE POWERTURN ULTRA FLEX	DURASTEEL Stainless Steel	Bare Coils	Core-To-Tip	Hydrophilic	0.9
					

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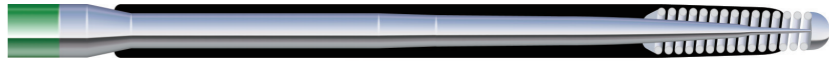

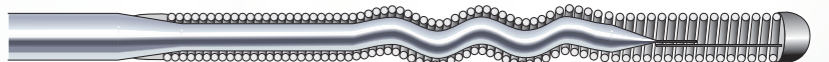
ABBOTT GUIDE WIRES SPECIALTY

Solutions for challenging anatomy and lesions. Offering high tip loads, excellent torque response, and superb crossing performance.

	CORE MATERIAL	COVER TYPE OR COILS	TIP STYLE	COATINGS	TIP LOAD (g)
SOFT POLYMER					
HI-TORQUE WHISPER ES	DURASTEEL Stainless Steel	Full Polymer	Core-To-Tip	Hydrophilic	1.2
					
SOFT POLYMER					
HI-TORQUE WHISPER LS	DURASTEEL Stainless Steel	Full Polymer	Core-To-Tip	Hydrophilic	0.8
					
HI-TORQUE WHISPER MS	DURASTEEL Stainless Steel	Full Polymer	Core-To-Tip	Hydrophilic	1.0
					
HI-TORQUE PILOT 50	DURASTEEL Stainless Steel	Full Polymer	Core-To-Tip	Hydrophilic	1.5
					
SUPPORT					
HI-TORQUE BALANCE HEAVYWEIGHT	ELASTINITE Nitinol	Bare Coils	Shaping Ribbon	Hydrophilic	0.8
					

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	CORE MATERIAL	COVER TYPE OR COILS	TIP STYLE	COATINGS	TIP LOAD (g)
FULL POLYMER COVER					
HI-TORQUE PILOT 150	DURASTEEL Stainless Steel	Full Polymer	Core-To-Tip	Hydrophilic	2.7
					
HI-TORQUE PILOT 200	DURASTEEL Stainless Steel	Full Polymer	Core-To-Tip	Hydrophilic	4.1
					
TAPERED TIP					
HI-TORQUE PROGRESS 140T	DURASTEEL Stainless Steel	Intermediate Polymer Sleeve With Exposed Tip Coils	Core-To-Tip	Hydrophilic	12.5
					
HI-TORQUE PROGRESS 200T	DURASTEEL Stainless Steel	Intermediate Polymer Sleeve With Exposed Tip Coils	Core-To-Tip	Hydrophilic	13.0
					
STAINLESS STEEL					
HI-TORQUE WIGGLE	Stainless Steel	Bare Coils	Shaping Ribbon	Hydrophobic	0.3
					

ABBOTT GUIDE WIRES

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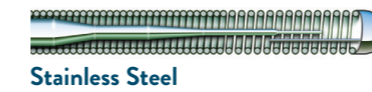
Solutions for challenging anatomy and lesions. Offering high tip loads, excellent torque response, and superb crossing performance.

STRAIGHT TIP	CORE MATERIAL	COVER TYPE OR COILS	TIP STYLE	COATINGS	TIP LOAD (g)
HI-TORQUE PROGRESS 40	DURASTEEL Stainless Steel	Intermediate Polymer Sleeve With Exposed Tip Coils	Core-To-Tip	Hydrophilic	4.8
HI-TORQUE PROGRESS 80	DURASTEEL Stainless Steel	Intermediate Polymer Sleeve With Exposed Tip Coils	Core-To-Tip	Hydrophilic	9.7
HI-TORQUE PROGRESS 120	DURASTEEL Stainless Steel	Intermediate Polymer Sleeve With Exposed Tip Coils	Core-To-Tip	Hydrophilic	13.9

CORE MATERIALS

3 different core material options offer varied levels of strength, flexibility, and durability

- Stainless steel offers support and tip shape retention
- DURASTEEL is stronger than conventional stainless steel for outstanding durability
- ELASTINITE Nitinol is known for its flexible and durable properties



Stainless Steel



DURASTEEL



ELASTINITE Nitinol

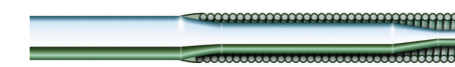
CORE DIAMETER AND SUPPORT

Support is a measure of a guide wire's resistance to a bending force

- A more supportive wire can aid in bulky device delivery
- A less supportive wire is designed to be flexible and can aid in access through tortuous anatomy



More Support and Straightening



Less Support and More Flexibility

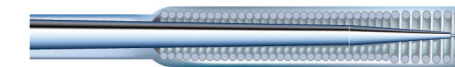
CORE TAPERS

Our core taper designs provide excellent guide wire tracking

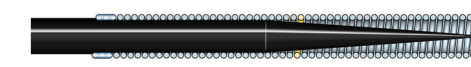
- Longer core tapers yield superb wire tracking and a lower propensity to prolapse
- Shorter core tapers yield longer segments of consistent support but provide increased propensity to prolapse
- Responsease core tapers engineered with a parabolic grind is designed to maximize tracking while providing progressive support



Longer Step Taper



Shorter Taper



Responsease Parabolic Core Grind

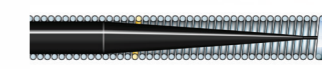
TIP STYLES AND TIP LOAD

Offering 2 different tip styles with unique advantages and varied tip loads

- Shaping ribbon for tip softness and tip shapeability
- Core-to-tip design provides tactile feedback and tip control, enabling 1:1 torque
- Tip stiffness is a measure of the buckling force exerted by the tip of the wire on a surface. Abbott reports tip loads measured on the distal 10 mm of the tip
- High tip load helps cross challenging lesions
- Low tip load makes the tip very soft and atraumatic



Shaping Ribbon



Core-To-Tip

SPRING COIL COVERS

For outstanding torque transmission and control

- Spring coil design contributes to the wire's tactile feedback
- Platinum alloy tip coils are radiopaque and stainless steel coils are radiolucent



POLYMER COVERS

Designed for deliverability in tortuous anatomy and excellent distal access

- Full polymer covers over tip coils for outstanding delivery
- Intermediate polymer sleeve maintains exposed gentle tip coils while providing a lubricious surface for device delivery



Full Polymer Cover With Tip Coils



Intermediate Polymer Sleeve With Tip Coils

COATINGS

Precision-engineered coatings designed to reduce surface friction and improve device interaction and guide wire tracking

- Hydrophilic coatings (Hydrocoat or Turbocoat) attract water to create a slippery "gel-like" surface for lubricity and smooth device delivery
- Hydrophobic coatings (Microglide and SmoothGlide) repel water to create a "wax-like" surface for moderate lubricity and smooth device interaction

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PRODUCT ORDERING INFORMATION

	STOCK NUMBER	TIP RADIOPACITY (cm)	TIP SHAPE	WIRE SIZE (in)	WIRE LENGTH (cm)	
HI-TORQUE BALANCE MIDDLEWEIGHT	1001780-HC	3	Straight	.014	190	
	1001780J-HC	3	J	.014	190	
	1001782-HC	3	Straight	.014	300	
	1001782J-HC	3	J	.014	300	
	1001780	3	Straight	.014	190	
	1001780J	3	J	.014	190	
	1001782	3	Straight	.014	300	
	1001782J	3	J	.014	300	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL	1009660	3	Straight	.014	190	
	1009660J	3	J	.014	190	
	1009661	3	Straight	.014	300	
	1009661J	3	J	.014	300	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II	1009664	3	Straight	.014	190	
	1009664J	3	J	.014	190	
	1009665	3	Straight	.014	300	
	1009665J	3	J	.014	300	
HI-TORQUE BALANCE MIDDLEWEIGHT ELITE	1011880	3	Straight	.014	190	MARKER
	1011880J	3	J	.014	190	
	1011881	3	Straight	.014	300	
	1011881J	3	J	.014	300	
	1011882	3	Straight	.014	190	NO MARKER
	1011882J	3	J	.014	190	
	1011883	3	Straight	.014	300	
	1011883J	3	J	.014	300	
HI-TORQUE FLOPPY II	22339M	2	Straight	.014	190	
	22339MJ	2	J	.014	190	
	22359M	2	Straight	.014	300	
	22359MJ	2	J	.014	300	
HI-TORQUE FLOPPY II ES	22299M	2	J	.014	190	
	22299M-901	30	Straight	.014	300	
HI-TORQUE POWERTURN	1044594	3	Straight	.014	190	
	1044594J	3	J	.014	190	
	1044595	3	Straight	.014	300	
	1044595J	3	J	.014	300	
	1044592	3	Straight	.014	190	
HI-TORQUE POWERTURN FLEX	1044592J	3	J	.014	190	
	1044593	3	Straight	.014	300	
	1044593J	3	J	.014	300	

PRODUCT ORDERING INFORMATION

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	STOCK NUMBER	TIP RADIOPACITY (cm)	TIP SHAPE	WIRE SIZE (in)	WIRE LENGTH (cm)
HI-TORQUE POWERTURN ULTRA FLEX	1044590	3	Straight	.014	190
	1044590J	3	J	.014	190
	1044591	3	Straight	.014	300
	1044591J	3	J	.014	300
HI-TORQUE TURNTRAC	1020013	3	Straight	.014	190
	1020014	3	Straight	.014	190
	1020015	3	Straight	.014	300
	1020016	3	Straight	.014	300
HI-TORQUE TURNTRAC FLEX	1020009	3	Straight	.014	190
	1020010	3	Straight	.014	190
	1020011	3	Straight	.014	300
	1020012	3	Straight	.014	300
HI-TORQUE VERSATURN	1013317	3	Straight	.014	190
	1013317J	3	J	.014	190
	1013319	3	Straight	.014	190
	1013319J	3	J	.014	190

PRODUCT ORDERING INFORMATION

ABBOTT GUIDE WIRES SPECIALTY

	STOCK NUMBER	TIP RADIOPACITY (cm)	TIP SHAPE	WIRE SIZE (in)	WIRE LENGTH (cm)
HI-TORQUE WHISPER MS	1005357H	3	Straight	.014	190
	1005357HJ	3	J	.014	190
	1005359H	3	Straight	.014	300
	1005359HJ	3	J	.014	300
HI-TORQUE WHISPER ES	1011834H	3	Straight	.014	190
	1011834HJ	3	J	.014	190
	1011835H	3	Straight	.014	300
	1011835HJ	3	J	.014	300

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PRODUCT ORDERING INFORMATION

	STOCK NUMBER	TIP RADIOPACITY (cm)	TIP SHAPE	WIRE SIZE (in)	WIRE LENGTH (cm)
HI-TORQUE WHISPER LS	1005351H	3	Straight	.014	190
	1005351HJ	3	J	.014	190
	1005353H	3	Straight	.014	300
	1005353HJ	3	J	.014	300
HI-TORQUE BALANCE HEAVYWEIGHT	1000462H	4.5	Straight	.014	190
	1000462HJ	4.5	J	.014	190
	1000463H	4.5	Straight	.014	300
	1000463HJ	4.5	J	.014	300
HI-TORQUE WIGGLE	22299M-W2	2	Straight	.014	190
	22299M-W30	30	Straight	.014	190
	22359M-W2	2	Straight	.014	300
	22399M-W30	30	Straight	.014	300

PRODUCT ORDERING INFORMATION

ABBOTT GUIDE WIRES SPECIALTY

	STOCK NUMBER	TIP RADIOPACITY (cm)	TIP SHAPE	WIRE SIZE (in)	WIRE LENGTH (cm)
HI-TORQUE PILOT 50	1010480-H	3	Straight	.014	190
	1010480-HJ	3	J	.014	190
	1010483-H	3	Straight	.014	300
	1010483-HJ	3	J	.014	300
HI-TORQUE PILOT 150	1010481-H	3	Straight	.014	190
	1010481-HJ	3	J	.014	190
	1010484-H	3	Straight	.014	300
	1010484-HJ	3	J	.014	300
HI-TORQUE PILOT 200	1010482-H	3	Straight	.014	190
	1010482-HJ	3	J	.014	190
	1010485-H	3	Straight	.014	300
	1010485-HJ	3	J	.014	300
HI-TORQUE PROGRESS 140T	1011840	3	Straight w/ taper	.014	190
	1011841	3	Straight w/ taper	.014	300
HI-TORQUE PROGRESS 200T	1011842	3	Straight w/ taper	.014	190
	1011843	3	Straight w/ taper	.014	300
HI-TORQUE PROGRESS 40	1011836	3	Straight	.014	190
	1011837	3	Straight	.014	300
HI-TORQUE PROGRESS 80	1011838	3	Straight	.014	190
	1011839	3	Straight	.014	300
HI-TORQUE PROGRESS 120	1011844	3	Straight	.014	190
	1011845	3	Straight	.014	300