

# New Abbott CTO Family of Guidewires: “The Progress Series”

Bradley H. Strauss

Sunnybrook Health Sciences Center,  
University of Toronto, Toronto,  
Canada



ICI meeting 2009  
Innovations in Cardiovascular Interventions

# Disclosures

**I have the following financial relationships to disclose:**

**Type of relation: Abbott Vascular**

*(level of remuneration)*

*\*Type of relation: Consultancy*

*\*Level of remuneration: modest (under 10,000)*

# HI-TORQUE PROGRESS Guidewires

**HI-TORQUE PROGRESS 200T**  
Guide Wire

**0.014"**  
190 cm

Guide Wire with TURBOCOAT Hydrophilic Coating. Führungsdraht mit hydrophiler TURBOCOAT-Beschichtung. Guide avec revêtement hydrophile TURBOCOAT. Guia con recubrimiento hidrofílico TURBOCOAT. Filo guida con rivestimento idrofilo TURBOCOAT. Fio-Guia com Revestimento Hidrofílico TURBOCOAT. Lintă med TURBOCOAT hidrofili beşung. Vodič s povlakom hidrofóznou TURBOCOAT. Запаткован обмотка са хидрофилним емаложом TURBOCOAT. ガイドワイヤー (TURBOCOAT親水性コーティング)。Prowadnik z powłoką hydrofobową TURBOCOAT.

DOC Extension 190 cm

LOT 9040101  
2010-03  
2009-04

Consult instructions for use. Gebrauchsanweisung lesen. Consulter le mode d'emploi. Consultar las instrucciones de uso. Consultare le istruzioni per l'uso. Consulter as instruções de utilização. Se bruksanvisningen. Raadpleeg gebruiksaanwijzing. Lees brugsanvisningen. Запатковані інструкції застосування. 取扱説明書をご参照下さい。Zapocząć się z instrukcją obsługi.

STERILE R

WPL2068398-01 (2/2/09)  
LABEL SAMPLE

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**HI-TORQUE PROGRESS 140T**  
Guide Wire

**0.014"**  
190 cm

Wire with TURBOCOAT Hydrophilic Coating. Führungsdraht mit hydrophiler TURBOCOAT-Beschichtung. Guide avec revêtement hydrophile TURBOCOAT. Guia con recubrimiento hidrofílico TURBOCOAT. Filo guida con rivestimento idrofilo TURBOCOAT. Fio-Guia com Revestimento Hidrofílico TURBOCOAT. Lintă med TURBOCOAT hidrofili beşung. Vodič s povlakom hidrofóznou TURBOCOAT. Запаткован обмотка са хидрофилним емаложом TURBOCOAT. ガイドワイヤー (TURBOCOAT親水性コーティング)。Prowadnik z powłoką hydrofobową TURBOCOAT.

EXTENSION: Verlängerung; Extension; Extensión de guía; Extensione; Extensio; Förlängning; Værlængsuk; Fortængelse; Prolongation; 延長; Prolongazione

REF 1011840

DOC Extension 190 cm

LOT 9033101  
2010-02  
2009-03

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STERILE R

WPL2068398-01 (2/2/09)

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**HI-TORQUE PROGRESS 200T**  
Guide Wire

**0.014"**  
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EXTENSION: Verlängerung; Extension; Extensión de guía; Extensione; Extensio; Förlängning; Værlængsuk; Fortængelse; Prolongation; 延長; Prolongazione

REF 1011844

DOC Extension 190 cm

LOT 9040601  
2010-03  
2009-04

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STERILE R

WPL2068400-01 (2/2/09)  
LABEL SAMPLE

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**HI-TORQUE PROGRESS 40**  
Guide Wire

**0.014"**  
190 cm

Guide Wire with TURBOCOAT Hydrophilic Coating. Führungsdraht mit hydrophiler TURBOCOAT-Beschichtung. Guide avec revêtement hydrophile TURBOCOAT. Guia con recubrimiento hidrofílico TURBOCOAT. Filo guida con rivestimento idrofilo TURBOCOAT. Fio-Guia com Revestimento Hidrofílico TURBOCOAT. Lintă med TURBOCOAT hidrofili beşung. Vodič s povlakom hidrofóznou TURBOCOAT. Запаткован обмотка са хидрофилним емаложом TURBOCOAT. ガイドワイヤー (TURBOCOAT親水性コーティング)。Prowadnik z powłoką hydrofobową TURBOCOAT.

EXTENSION: Verlängerung; Extension; Extensión de guía; Extensione; Extensio; Förlängning; Værlængsuk; Fortængelse; Prolongation; 延長; Prolongazione

REF 1011836

DOC Extension 190 cm

LOT 9032401  
2010-02  
2009-03

Consult instructions for use. Gebrauchsanweisung lesen. Consulter le mode d'emploi. Consultar las instrucciones de uso. Consultare le istruzioni per l'uso. Consulter as instruções de utilização. Se bruksanvisningen. Raadpleeg gebruiksaanwijzing. Lees brugsanvisningen. Запатковані інструкції застосування. 取扱説明書をご参照下さい。Zapocząć się z instrukcją obsługi.

STERILE R

WPL2068392-01 (2/2/09)  
LABEL SAMPLE

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**HI-TORQUE PROGRESS 80**  
Guide Wire

**0.014"**  
190 cm

Guide Wire with TURBOCOAT Hydrophilic Coating. Führungsdraht mit hydrophiler TURBOCOAT-Beschichtung. Guide avec revêtement hydrophile TURBOCOAT. Guia con recubrimiento hidrofílico TURBOCOAT. Filo guida con rivestimento idrofilo TURBOCOAT. Fio-Guia com Revestimento Hidrofílico TURBOCOAT. Lintă med TURBOCOAT hidrofili beşung. Vodič s povlakom hidrofóznou TURBOCOAT. Запаткован обмотка са хидрофилним емаложом TURBOCOAT. ガイドワイヤー (TURBOCOAT親水性コーティング)。Prowadnik z powłoką hydrofobową TURBOCOAT.

EXTENSION: Verlängerung; Extension; Extensión de guía; Extensione; Extensio; Förlängning; Værlængsuk; Fortængelse; Prolongation; 延長; Prolongazione

REF 1011838

DOC Extension 190 cm

LOT 9032601  
2010-02  
2009-03

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STERILE R

WPL2068394-01 (2/2/09)  
LABEL SAMPLE

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**HI-TORQUE PROGRESS 120**  
Guide Wire

**0.014"** 190 cm

REF 1011844 LOT 9040601 2010-03

WPL2068400-01 (2/2/09)

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**HI-TORQUE PROGRESS 80**  
Guide Wire

**0.014"** 190 cm

REF 1011838 LOT 9032601 2010-02

WPL2068394-01 (2/2/09)

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# HI-TORQUE PROGRESS Family of Guide Wires Features

## TAPERED TIP: 140T and 200T:

Designed to penetrate lesions in Chronic Occlusions

## TURBOCOAT:

Hydrophilic coating designed to maintain distal wire lubricity during the longest of cases

## SMOOTHGLIDE:

Hydrophobic coating facilitates device movement over the proximal section of the wire



## TIP COILS:

Provide soft, shapeable tip with tactile feel

## INTERMEDIATE POLYMER COVER:

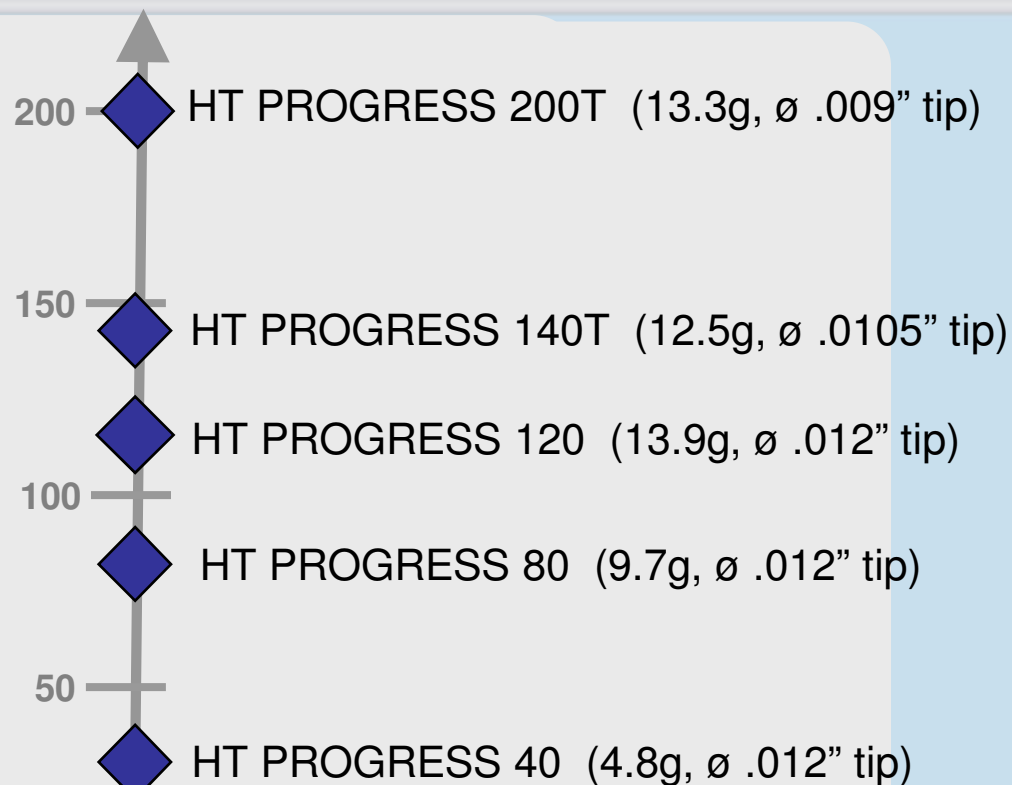
Hydrophilic coating for deliverability and smooth lesion access

## CORE-TO-TIP DURASTEEL:

High tensile strength core material and core-to-tip design for outstanding torque response and wire durability

Celebrating  
**25**  
years of guide wire  
INNOVATION

# HI-TORQUE PROGRESS Family of Guide Wires



KEY:  
PROGRESS [PP] (tip stiffness, ø . Tip Diameter)

 Penetration Power

HT PROGRESS tip load values based on new AV Tip Load<sup>5</sup> test

Tests performed by and data on file at Abbott Vascular

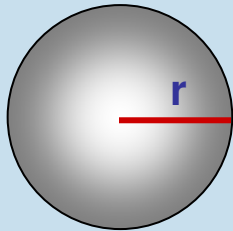
ICI meeting 2009  
Innovations in Cardiovascular Interventions

# HI-TORQUE PROGRESS & Penetration Power

Tip  
Diameter  
0.009 –  
0.012”



Area of GW Tip



(Guide Wire Tip)

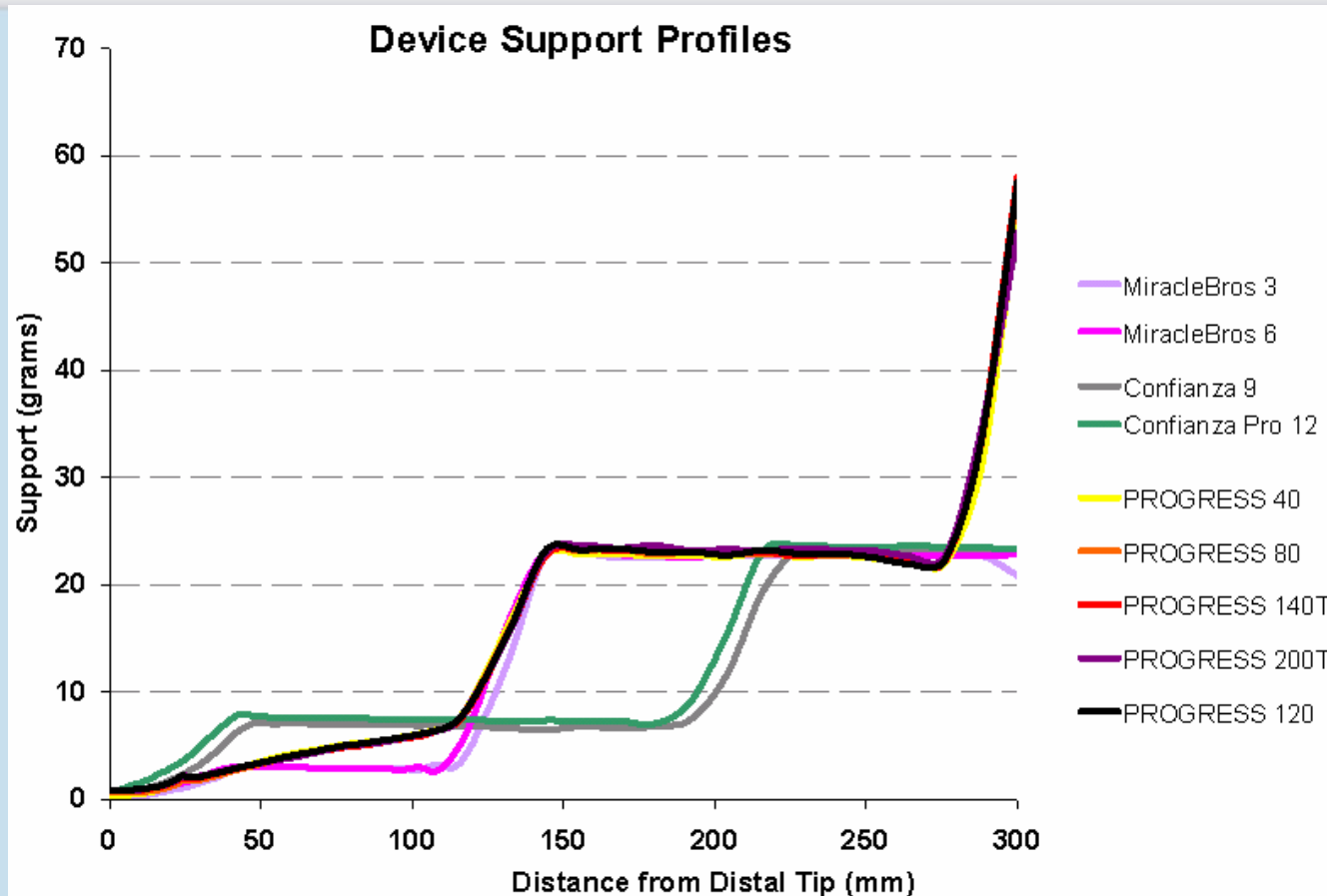
Tip Stiffness / Area of GW Tip (Area =  $\pi r^2$ )

.004kg/ (3.14\*.006”<sup>2</sup>)

PROGRESS 40

Note: drawing not to scale

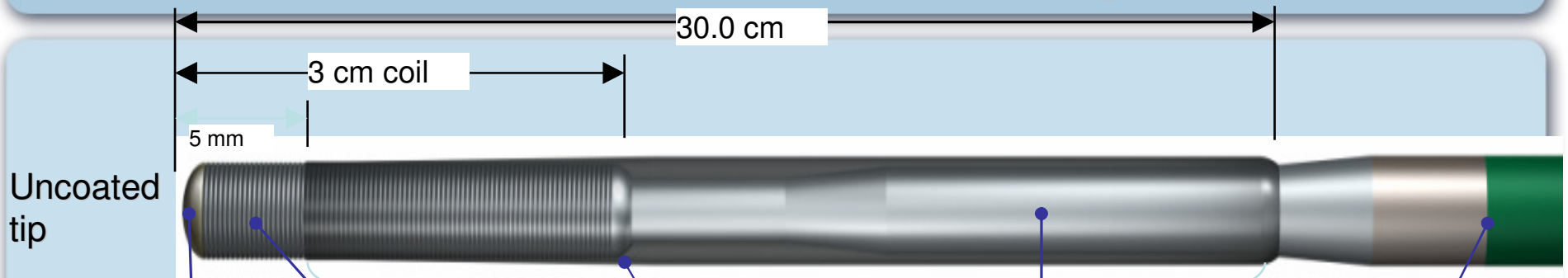
# HT PROGRESS Device Support Profiles



Tests performed by and data on file at Abbott Vascular



# HI-TORQUE PROGRESS' Innovative Design



Variation in tip diameter and tip stiffness



Step up approach to penetrate lesions

Uncoated, exposed tip coils



Improved tactile feedback, minimize perforation

Tapered hydrophilic polymer



Excellent lesion crossing and distal access

Core-to-tip DURASTEEL® with transitionless core



Excellent torque and control

New durable and lubricious proximal coating

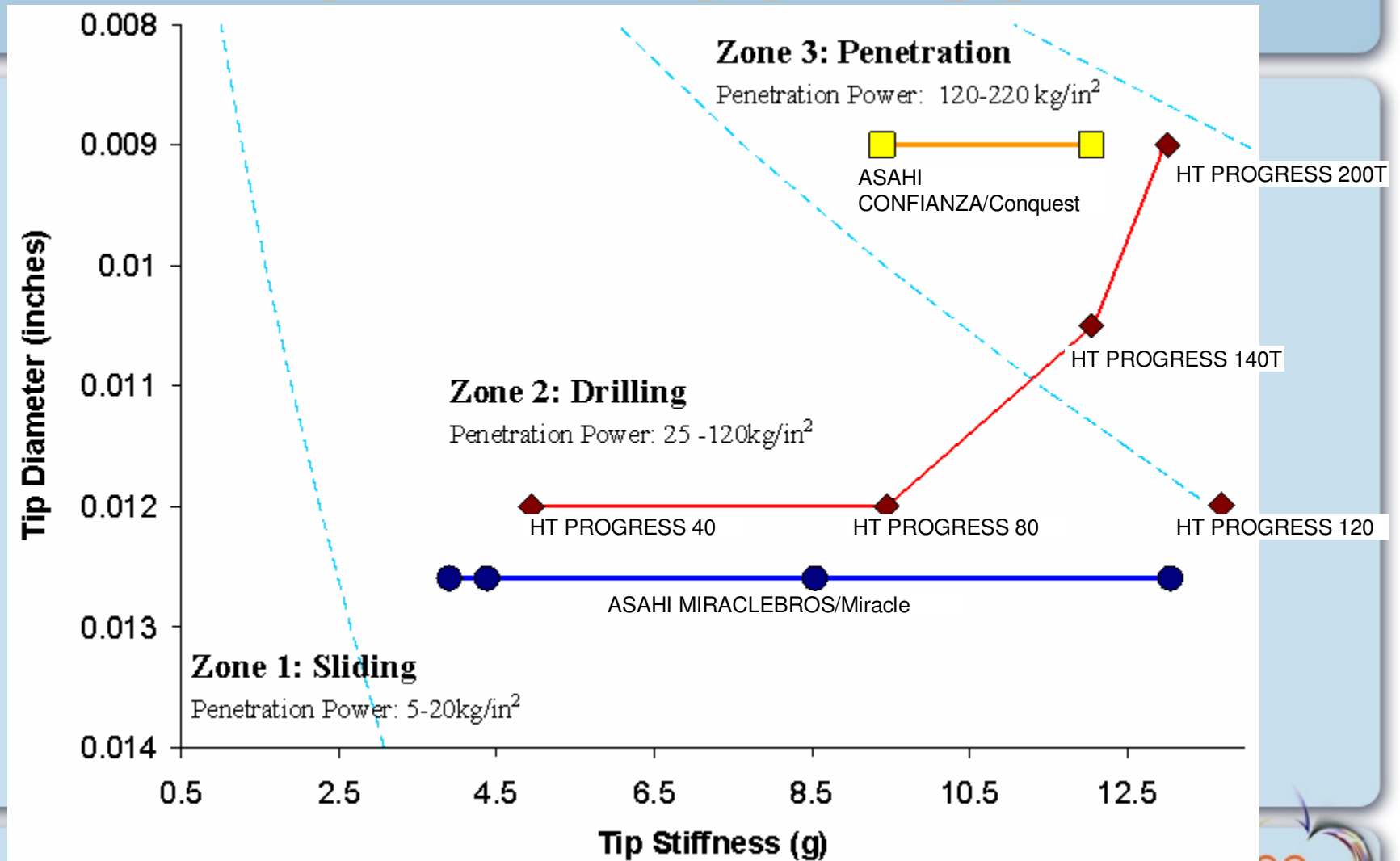


Smooth device compatibility

# Penetration Power Calculations

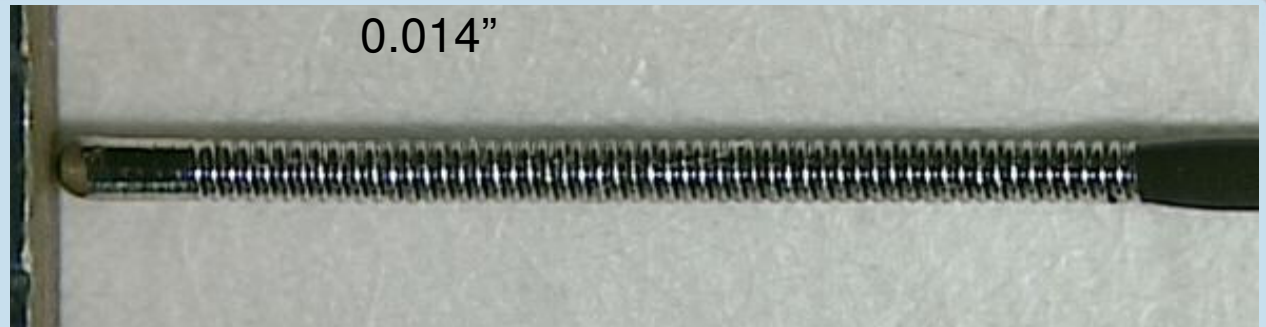
Guide Wire	Manufacturer	Tip Stiffness (Load) (g)	Tip Diameter	Penetration Power (Tip Load/Area of Tip) (kg/in <sup>2</sup> )
Fielder XT	Asahi	1.2g	0.009"	<b>19 (polymer cover)</b>
Cross-It 100XT	Abbott	1.7g	0.0105"	<b>20*</b>
MiracleBros 3	Asahi	3.9g	0.0125"	<b>32</b>
MiracleBros 4.5	Asahi	4.4g	0.0125"	<b>36</b>
<b>PROGRESS 40</b>	Abbott	4.8g	0.012"	<b>40</b>
Cross-It 200XT	Abbott	4.7g	0.0105"	<b>54</b>
Cross-It 300XT	Abbott	6.2g	0.0105"	<b>72</b>
MiracleBros 6	Asahi	8.8g	0.0125"	<b>72</b>
<b>PROGRESS 80</b>	Abbott	9.7g	0.012"	<b>80</b>
Cross-It 400XT	Abbott	8.7g	0.0105"	<b>101</b>
MiracleBros 12	Asahi	13.0g	0.0125"	<b>106</b>
<b>PROGRESS 120</b>	Abbott	13.9g	0.012"	<b>120</b>
Confianza 9	Asahi	8.6g	0.009"	<b>135</b>
<b>PROGRESS 140T</b>	Abbott	12.5g	0.0105"	<b>140</b>
Confianza Pro	Asahi	9.3g	0.009"	<b>146</b>
Confianza Pro 12	Asahi	12.4g	0.009"	<b>195</b>
<b>PROGRESS 200T</b>	Abbott	13.3g	0.009"	<b>200</b>

# Appropriate clinical segmentation for HT PROGRESS



# HT PROGRESS Photos

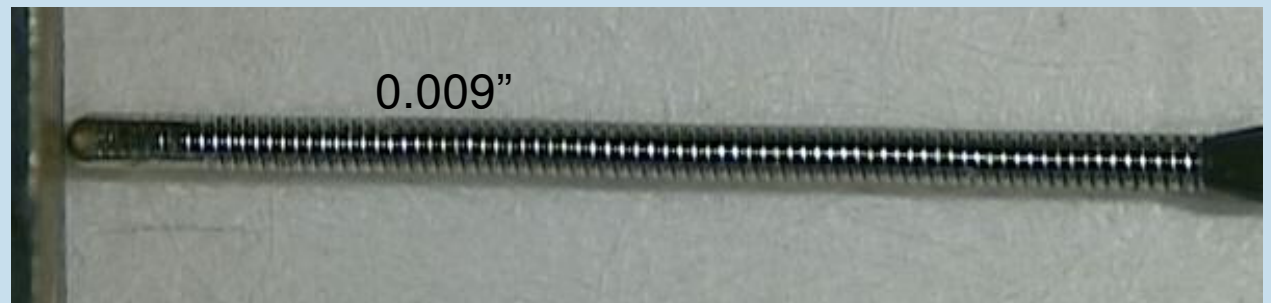
HT PROGRESS 40  
HT PROGRESS 80  
HT PROGRESS 120



HT PROGRESS 140T

Not Pictured 0.0105"

HT PROGRESS 200T



# HI-TORQUE PROGRESS Product Numbers and Descriptions

Product**	Product Number	Description	Tip Radiopacity
HT PROGRESS 40	1011836	190cm Straight Tip	3cm
HT PROGRESS 40	1011837	300cm Straight Tip	3cm
HT PROGRESS 80	1011838	190cm Straight Tip	3cm
HT PROGRESS 80	1011839	300cm Straight Tip	3cm
HT PROGRESS 120	1011844	190cm Straight Tip	3cm
HT PROGRESS 120	1011845	300cm Straight Tip	3cm
HT PROGRESS 140T	1011840	190cm Straight Tip with taper	3cm
HT PROGRESS 140T	1011841	300cm Straight Tip with taper	3cm
HT PROGRESS 200T	1011842	190cm Straight Tip with taper	3cm
HT PROGRESS 200T	1011843	300cm Straight Tip with taper	3cm

\*\*2 year shelf life 12

# Summary

- New Abbott Progress CTO family of guidewires provides range of tip diameter and tip stiffness
- Lack of radio-opacity properties of shaft is an advantage over current guidewires
- Excellent penetration properties