ORDIN DE PLATA NR.: 64 TIP.DOC. 1

DATA EMITERII:8 septembrie 2021

PLATITI: 150000-00 LEI: Una Suta Cincizeci Mii lei 00 bani

PLATITOR: (R) S.C. "OXIVIT-MED" S.R.L.
CONTUL DE PLATI/CODUL IBAN MD44ML000000002251729503
CODUL FISCAL :1007600044280 /

PRESTATORUL PLATITOR
BC"Moldindconbank"S.A. suc."Invest" Chisinau
CODUL BANCII: :MOLDMD2X329:

BENEFICIAR (R) MF-TR Chisinau - bugetul de stat CAPCS
CONTUL DE PLATI/CODUL IBAN MD30TRPCCC518430D01859AA
CODUL FISCAL :1016601000212 /

PRESTATORUL BENEFICIAR
Ministerul Finantelor - Trezoreria de Stat
CODUL BANCII: :TREZMD2X

DESTINATIA PLATII:/P102/150000,00 Pentru: garantia pentru oferta la procedura de achizi?ie publica nr. ocds-b3wdp1-MD-16:28001612167 din 09.09.2021

TIPUL TRANSFERULUI NORMAL/URGENT :N:

L.S.

CODUL TRANZACTIEI:101:

DATA PRIMIRII:08/09/2021

DATA EXECUTARII:

SEMNATURILE EMITENTULUI

CONDUCATOR:Web Kojevnikov Dmitrii

MIIGfAYJKoZIhvcNAQcCoIIGbTCCBmkCAQExCzAJBgUrDgMCGgUAMAsGCSqGSIb3:
DQEHAaCCBIUwggSBMIIDaaADAgECAhNHAACEjCA/4xcrKCbfAAAAAISMMA0GCSqG:
SIb3DQEBCwUAMCIxIDAeBgNVBAMTF0NFUlQxLUNBLU1vbGRpbmRjb25iYW5rMB4X:
DTIwMDMxNjA4NDUwM1oXDTIzMDMxNjA4NTUwM1owgbgxCzAJBgNVBAYTAk1EMRow:
YDVQQIExFSZXB1YmxpY2EgTW9sZG92YTERMA8GA1UEBxMIQ2hpc2luYXUxFzAV

(semnatura electronica)

CONTABIL-SEF:Web Kojevnikov Dmitrii

MIIGfAYJKoZIhvcNAQcCoIIGbTCCBmkCAQExCzAJBgUrDgMCGgUAMAsGCSqGSIb3:
DQEHAaCCBIUwggSBMIIDaaADAgECAhNHAACEjCA/4xcrKCbfAAAAAISMMA0GCSqG:
SIb3DQEBCwUAMCIxIDAeBgNVBAMTF0NFUlQxLUNBLU1vbGRpbmRjb25iYW5rMB4X:
DTIwMDMxNjA4NDUwM1oXDTIzMDMxNjA4NTUwM1owgbgxCzAJBgNVBAYTAk1EMRow:
YDVQQIExFSZXB1YmxpY2EgTW9sZG92YTERMA8GA1UEBxMIQ2hpc2luYXUxFzAV

L.S.

(semnatura electronica)

CONDUCATOR: _____

(semnatura manuala)

CONTABIL-SEF: _____

Digitally signed by Kojevnikov Dmitrii
Date: 2021.09.08 17:10:59 EEST
Reason: MoldSign Signature
Location: Moldova

MOBIAS BANCA

Nr. 12101-304

18.03.2016

CERTIFICAT
PRIVIND EXISTENTA CONTURILOR CURENTE

Prin prezentul, **BC „Mobiasbancă – Groupe Societe Generale" S.A.**, codul băncii (BIC): **MOBBMD22**, confirmă că compania **OXIVIT-MED SRL**, cod fiscal (IDNO) **1007600044280,** deține următoarele conturi curente la BC "Mobiasbancă-Groupe Societe Generale" S.A., Filiala. 1 Stejaur :

1. **MDL - 2224710SV23488147100; IBAN- MD09MO2224ASV23488147100**
2. **EUR - 2224710SV22227957100; IBAN- MD17MO2224ASV22227957100**
3. **USD - 2224710SV22214937100; IBAN- MD86MO2224ASV22214937100**

Certificatul este emis în baza cererii întreprinderii: Oxivit-Med SRL.

L.Ș.

Dumitru Popa
Director filială „Stejaur"

Executor : Mariana Guzun
Tel: 022 812 614

Filiala Nr. 1 „Stejaur"
Bd. Ştefan cel Mare şi Sfânt 196
MD-2004, Chişinău, Moldova
Cod MOBBMD22
Cont de corespondenţă 35213892
la Centrul de Decontări al BNM

Tel. +373 22 81 26 15
Fax. +373 22 81 26 15
www.mobiasbanca.md

BC „Mobiasbancă – Groupe Société Générale" SA
Capital Social: 100 000 000 MDL
Număr de înregistrare de stat - 1002600006089
Sediul Central:
bd. Ştefan cel Mare şi Sfânt 81a
MD-2012, Chişinău, Moldova

GROUPE SOCIETE GENERALE

REPUBLICA MOLDOVA

CERTIFICAT DE ÎNREGISTRARE

Societatea Comercială "OXIVIT-MED" S.R.L.

ESTE ÎNREGISTRATĂ LA CAMERA ÎNREGISTRĂRII DE STAT

Numărul de identificare de stat - codul fiscal

1007600044280

Data înregistrării **30.07.2007**

Data eliberării **30.07.2007**

Bordeianu Tatiana, registrator de stat

Funcția, numele, prenumele persoanei care a eliberat certificatul

semnătura

CAMERA ÎNREGISTRĂRII DE STAT A REPUBLICII MOLDOVA L.Ș.

MD 0067985

I.P. "AGENŢIA SERVICII PUBLICE"

Departamentul înregistrare şi licenţiere a unităţilor de drept

EXTRAS

din Registrul de stat al persoanelor juridice

nr. **8871** din **05.05.2021**

Denumirea completă: **Societatea Comercială «OXIVIT-MED» S.R.L.**
Denumirea prescurtată: **S.C. «OXIVIT-MED» S.R.L.**
Forma juridică de organizare: **Societate cu Răspundere Limitată.**
Numărul de identificare de stat şi codul fiscal: **1007600044280.**
Data înregistrării de stat: **30.07.2007.**
Sediul: **MD-2032, bd. Decebal, 82, ap.(of.) 90, mun. Chişinău, Republica Moldova.**
Modul de constituire: **nou creată.**
Obiectul principal de activitate:
1 Importul, fabricarea, comercializarea, asistenţa tehnică şi (sau) reparaţia dispozitivelor medicale şi (sau) a opticii;
2 Comerţul cu ridicata al parfumurilor şi produselor cosmetice;
3 Comerţul cu amănuntul al produselor cosmetice şi de parfumerie, articolelor de toaletă;
4 Intermedieri pentru vînzarea unui asortiment larg de mărfuri;
5 Alte tipuri de comerţ cu amănuntul în magazine nespecializate;
6 Alte tipuri de comerţ cu ridicata;
7 Închirierea altor maşini şi echipamente.
Capitalul social: **5400** lei.
Administrator: KOJEVNIKOV DMITRII, IDNP 0972305012362,
Asociaţi:
1. KOJEVNIKOV DMITRII , IDNP 0972305012362
cota 5400.00 lei, ce constituie 100 %.

Prezentul extras este eliberat în temeiul art. 34 al Legii nr. 220-XVI din 19 octombrie 2007 privind înregistrarea de stat a persoanelor juridice şi a întreprinzătorilor individuali şi confirmă datele din Registrul de stat la data de: 05.05.2021.

Specialist coordonator
tel. 022-207-840
Lazari Aliona

c/f: 1007600044280; adresa: str. Decebal 82-90, or. Chișinău, Republica Moldova
telefon: + 373 22 808002; fax: + 373 22 808003
web: www.oxivit-med.com; e-mail:info@oxivit-med.com

Lista fondatorilor companiei SRL „Oxivit-Med”

Nr.	Numele, Prenumele	Codul Personal
1	Kojevnikov Dmitrii	0972305012362

Anexa nr.7.2 la Instrucţiunea
aprobată prin ordinul IFPS
nr. 400 din 14 martie 2014

CC 04 AE

CERTIFICAT
privind lipsa sau existenţa restanţelor faţă de bugetul public naţional

Nr. / № A2115101 **din** / от 07.09.2021

1. Destinaţia / Назначение

AGENŢIA ACHIZIŢII PUBLICE

2. Date despre contribuabil / Информация о налогоплательщике

Denumirea / Наименование	**Codul fiscal / Numărul de identificare** / Фискальный код / Идентификационный номер
S.C. OXIVIT-MED S.R.L.	1007600044280
Adresa sediului de bază (strada, numărul) / Адрес основного месторасположения (улица, номер)	**Codul - Denumirea localităţii** / Код - Наименование населенного пункта
Decebal bd. nr.82 of.90	0110-SEC.BOTANICA

3. Atestarea lipsei sau existenţei restanţelor conform datelor Sistemului Informaţional Automatizat / Подтверждение отсутствия или наличия недоимки согласно данных Информационной автоматизированной системы

La data emiterii prezentului certificat restanţa faţă de bugetul public naţional constituie/ На дату выдачи данной справки недоимка перед национальным публичным бюджетом составляет: **0,00** lei/лей.

4. Valabil pînă la / Действителен до 22.09.2021

5. Autentificarea Serviciului Fiscal de Stat / Подтверждение Государственной налоговой службы

ŞEF DDF BOTANICA
Funcţia/Должность

Semnătura/Подпись

ANA STOICOV
Numele şi prenumele/Фамилия и имя

L.Ş/ M.П.

Executor Ginga
Numele şi prenumele/Фамилия и имя

Este extras din Sistemul Informaţional al SFS SIA „Contul curent al contribuabilului"// 07.09.2021 ora 13:17:20 cu aplicarea prevederilor pct. 82-83 Ordin IFPS nr.400 din 14.03.2014 (Monitorul Oficial 72-77/399, 28.03.2014)

NOTA (0,00)

Data prezentării 29.05.2020 18:40:13
SITUATIILE FINANCIARE

Anexe la SNC
"Prezentarea situatiilor financiare"
Aprobat de Ministerul Finantelor
al Republicii Moldova

2019 pentru perioada 01.01.2019 - 31.12.2019 de lichidare
BIROUL NAŢIONAL DE STATISTICĂ

Entitatea: S.C. OXIVIT-MED S.R.L.
Sediul:SEC.BOTANICA, STR.DECEBAL BD. NR.82 OF.90
Raionul(municipiul):103, DDF BOTANICA
Satul(comuna):
Strada:SEC.BOTANICA, STR.DECEBAL BD. NR.82 OF.90
Cod postal:2060
Cod CUATM:0110, SEC.BOTANICA
Activitatea principala:G4774, Comert cu amanuntul al articolelor medicale si ortopedice, in magazine specializate
Forma proprietate:15, Proprietatea privată
Forma organizatorico-juridica:530, Societăti cu răspundere limitată
Cod CUIÎO: 40424951
Codul fiscal:1007600044280
WEB:
Numele si coordonatele al contabilului-sef:KOJEVNIKOV DMITRII
Telefon:+37322808002
Numărul mediu scriptic al personalului în perioada precedentă: 3 persoane.

Unitatea de masura: leu

Notă informativă privind veniturile şi cheltuielile clasificate după natură

Anexa 8

Indicatori	Cod rd.	Perioada de gestiune	
		precedenta	curenta
1	2	3	4
Venituri din vinzari	010	43289243	56125772
Alte venituri din activitatea operationala	020	209007	1954484
Venituri din alte activitati	030	1171806	815541
Total venituri (rd.010 + rd.020 + rd.030)	040	44670056	58895797
Variatia stocurilor	050		
Costul vinzarilor mărfurilor vândute	060	33465025	44624941
Cheltuieli privind stocurile	070		
Cheltuieli cu personalul privind remunerarea muncii	080	71355	157075
Contributii de asigurari sociale de stat obligatorii si prime de asigurare obligatorie de asistenta medicala	090	18700	35342
Cheltuieli cu amortizarea si deprecierea activelor imobilizate	100	2139	2139
Alte cheltuieli	110	298104	682045
Cheltuieli din alte activitati	120	820441	836368
Total cheltuieli (rd.050 + rd.060 + rd.070 + rd.080 + rd.090 + rd.100 + rd.110 + rd.120)	130	34675764	46337910
Profit (pierdere) pina la impozitare (rd.040 – rd.130)	140	9994292	12557887
Cheltuieli privind impozitul pe venit	150	1203230	1543063
Profit (pierdere) net al perioadei de gestiune (rd.140 – rd.150)	160	8791062	11014824

BILANŢUL

la 31.12.2019

Anexa 1

Nr. cpt.	A C T I V	Cod rd.	Sold la	
			Inceputul perioadei de gestiune	Sfirsitul perioadei de gestiune
1	2	3	4	5
1.	**Active imobilizate**			
	Imobilizari necorporale	010	2437	1787
	Imobilizari corporale in curs de executie	020		
	Terenuri	030		
	Mijloace fixe	040	3724	2234
	Resurse minerale	050		
	Active biologice imobilizate	060		
	Investitii financiare pe termen lung in parti neafiliate	070		
	Investitii financiare pe termen lung in parti afiliate	080		
	Investitii imobiliare	090		
	Creante pe termen lung	100		
	Avansuri acordate pe termen lung	110		
	Alte active imobilizate	120		
	Total active imobilizate(rd.010 + rd.020 + rd.030 + rd.040 + rd.050 + rd.060 + rd.070 + rd.080 + rd.090 + rd.100 + rd.110 + rd.120)	130	6161	4021
	Active circulante			
	Materiale	140	1101	434

SITUATIA DE PROFIT SI PIERDERE

de la 01.01.2019 pina la 31.12.2019

Anexa 2

Indicatori	Cod rd.	Perioada de gestiune	
		precedenta	curenta
1	2	3	4
Venituri din vinzari	010	43289243	56125772
Costul vinzarilor	020	33465025	44624941
Profit brut (pierdere bruta) (rd.010 – rd.020)	030	9824218	11500831
Alte venituri din activitatea operationala	040	209007	1954484
Cheltuieli de distribuire	050	19868	46711
Cheltuieli administrative	060	337477	668046

Indicatori	Cod rd.	Perioada de gestiune	
		precedenta	curenta
1	2	3	4
Alte cheltuieli din activitatea operationala	070	32953	161844
Rezultatul din activitatea operationala: profit (pierdere) (rd.030 + rd.040 – rd.050 – rd.060 – rd.070)	080	9642927	12578714
Rezultatul din alte activitati: profit (pierdere)	090	351365	-20827
Profit (pierdere) pina la impozitare (rd.080 + rd.090)	100	9994292	12557887
Cheltuieli privind impozitul pe venit	110	1203230	1543063
Profit net (pierdere neta) al perioadei de gestiune (rd.100 – rd.110)	120	8791062	11014824

SITUATIA MODIFICARILOR CAPITALULUI PROPRIU

de la 01.01.2019 pina la 31.12.2019

Anexa 3

Nr. d/o	Indicatori	Cod rd	Sold la inceputul perioadei de gestiune	Majorari	Diminuari	Sold la sfirsitul perioadei de gestiune
1	2	3	4	5	6	7
1	**Capital social si suplimentar**					
	Capital social	010	5400			5400
	Capital suplimentar	020				
	Capital nevarsat	030	()	()	()	()
	Capital neinregistrat	040				
	Capital retras	050	()	()	()	()
	Total capital social si suplimentar (rd.010 + rd.020 + rd.030 + rd.040 + rd.050)	060	5400			5400
2	**Rezerve**					
	Capital de rezerva	070				
	Rezerve statutare	080				
	Alte rezerve	090				
	Total reserve (rd.070 + rd.080 + rd.090)	100				
3	**Profit nerepartizat (pierdere neacoperita)**					
	Corectii ale rezultatelor anilor precedenti	110	X	70111	84022	-13911
	Profit nerepartizat (pierdere neacoperita) al anilor precedenti	120	14070936		3590000	10480936
	Profit net (pierdere neta) al perioadei de gestiune	130	X	11014824		11014824
	Profit utilizat al perioadei de gestiune	140	X			
	Rezultatul din tranzitia la noile reglementari contabile	150				
	Total profit nerepartizat (pierdere neacoperita) (rd.110 + rd.120 + rd.130 - rd.140 + rd.150)	160	14070936	11084935	3674022	21481849
4	**Alte elemente de capital propriu, din care**	170				
	Diferente din reevaluare	171				
	Subventii entitatilor cu proprietate publica	172				
	Total capital propriu (rd.060 + rd.100 + rd.160 + rd.170)	180	14076336	11084935	3674022	21487249

SITUATIA FLUXURILOR DE NUMERAR

de la 01.01.2019 pina la 31.12.2019

Anexa 4

Indicatori	Cod rd	Perioada de gestiune	
		precedenta	curenta
1	2	3	4
Fluxuri de numerar din activitatea operationala			
Incasari din vinzari	010	44233939	64930280
Plati pentru stocuri si servicii procurate	020	34177570	46461976
Plati catre angajati si organe de asigurare sociala si medicala	030	89849	176515
Dobinzi platite	040		
Plata impozitului pe venit	050	2090569	1853693
Alte incasari	060		
Alte plati	070	6763644	10724653
Fluxul net de numerar din activitatea operationala (rd.010 – rd.020 – rd.030 – rd.040 – rd.050 + rd.060 – rd.070)	080	1112307	5713443
Fluxuri de numerar din activitatea de investitii			
Incasari din vinzarea activelor imobilizate	090		
Plati aferente intrarilor de active imobilizate	100		
Dobinzi incasate	110		
Dividende incasate	120		
Alte incasari (plati)	130		

Nr. cpt.	A C T I V	Cod rd.	Sold la	
			Inceputul perioadei de gestiune	Sfirsitul perioadei de gestiune
1	2	3	4	5
2.	Active biologice circulante	150		
	Obiecte de mica valoare si scurta durata	160		
	Productia in curs de executie si produse	170		
	Marfuri	180	5035582	8318982
	Creante comerciale	190	6398231	4565544
	Creante ale partilor afiliate	200		
	Avansuri acordate curente	210	2409388	1595507
	Creante ale bugetului	220	477973	491901
	Creante ale personalului	230		
	Alte creante curente	240		5989
	Numerar in casierie si la conturi curente	250	7745065	13740173
	Alte elemente de numerar	260		
	Investitii financiare curente in parti neafiliate	270		
	Investitii financiare curente in parti afiliate	280		
	Alte active circulante	290	8782	8082
	Total active circulante (rd.140 + rd.150 + rd.160 + rd.170 + rd.180 + rd.190 + rd.200 + rd.210 + rd.220 + rd.230 + rd.240 + rd.250 + rd.260 + rd.270 + rd.280 + rd.290)	300	22076122	28726612
	Total active (rd.130 + rd.300)	310	22082283	28730633
3.	**Capital propriu**			
	Capital social si suplimentar	320	5400	5400
	Rezerve	330		
	Corectii ale rezultatelor anilor precedenti	340	x	-13911
	Profit nerepartizat (pierdere neacoperita) al anilor precedenti	350	14070936	10480936
	Profit net (pierdere neta) al perioadei de gestiune	360	x	11014824
	Profit utilizat al perioadei de gestiune	370	x	
	Alte elemente de capital propriu	380		
	Total capital propriu (rd.320 + rd.330 + rd.340 + rd.350 + rd.360 - rd.370 + rd.380)	390	14076336	21487249
4.	**Datorii pe termen lung**			
	Credite bancare pe termen lung	400		
	Imprumuturi pe termen lung	410	76630	76630
	Datorii pe termen lung privind leasingul financiar	420		
	Alte datorii pe termen lung	430		
	Total datorii pe termen lung (rd.400 + rd.410 + rd.420 + rd.430)	440	76630	76630
5.	**Datorii curente**			
	Credite bancare pe termen scurt	450		
	Imprumuturi pe termen scurt	460		
	Datorii comerciale	470	7450519	6729208
	Datorii fata de partile afiliate	480		
	Avansuri primite curente	490	337734	336114
	Datorii fata de personal	500	14819	73257
	Datorii privind asigurarile sociale si medicale	510		
	Datorii fata de buget	520	62	300
	Venituri anticipate curente	530		
	Datorii fata de proprietari	540		
	Finantari si incasari cu destinatie speciala curente	550		
	Provizioane curente	560		
	Alte datorii curente	570	126183	27875
	Total datorii curente (rd.450 + rd.460 + rd.470 + rd.480 + rd.490 + rd.500 + rd.510 + rd.520 + rd.530 + rd.540 + rd.550 + rd.560 + rd.570)	580	7929317	7166754
	Total pasive (rd.390 + rd.440 + rd.580)	590	22082283	28730633

Indicatori	Cod rd	Perioada de gestiune	
		precedenta	curenta
1	2	3	4
Fluxul net de numerar din activitatea de investitii (rd.090 – rd.100 + rd.110 + rd.120 ± rd.130)	140		
Fluxuri de numerar din activitatea financiara			
Incasari sub forma de credite si imprumuturi	150		
Plati aferente rambursarii creditelor si imprumuturilor	160		
Dividende platite	170		
Incasari din operatiuni de capital	180		
Alte incasari (plati)	190		
Fluxul net de numerar din activitatea financiara (rd.150 – rd.160 – rd.170 + rd.180 ± rd.190)	200		
Fluxul net de numerar total (± rd.080 ± rd.140 ± rd.200)	210	1112307	5713443
Diferente de curs valutar favorabile (nefavorabile)	220	38680	281665
Sold de numerar la inceputul perioadei de gestiune	230	6594078	7745065
Sold de numerar la sfirsitul perioadei de gestiune (± rd.210 ± rd.220 + rd.230)	240	7745065	13740173

Date generale

Anexa 6

1. Certificat de inregistrare a entitatii, eliberat de Camera Inregistrarii de Stat.
   Numar de inregistrare Data inregistrarii Seria Numar
2. Capital social inregistrat de Camera Inregistrarii de Stat:
   data , suma lei, inclusiv:
   1) cota statului lei,
   2) cota detinatorilor a cel putin 20% Increase lei.
   Modificari ulterioare:
   a) , suma lei, inclusiv cota statului lei,
   b) , suma lei, inclusiv cota statului lei.
3. Entitatile, activitatea carora necesita licenta, indica:
   Licenta in vigoare:

Nr. Ord.	Numar	Data eliberarii	Termen de valabilitate	Tipul de activitate	Organul care a eliberat licenta
1					

4. Numarul mediu scriptic al personalului in perioada de gestiune 3 persoane, inclusiv pe categorii:
   1) personal administrativ persoane,
   2) muncitori persoane.
5. Numarul personalului la 31 decembrie 2019 3 persoane.
6. Remunerarea personalului entitatii in perioada de gestiune 157075 lei.
7. Remunerarea membrilor organelor de administrare, de conducere si supraveghere si alte angajamente aparute sau asumate in legatura cu pensiile membrilor actuali sau ale fostilor membri ai acestor organe, pe categorii lei.
8. Avansurile si creditele acordate membrilor organelor specificate la pct.7 lei, inclusiv rambursate lei.
9. Valoarea activelor imobilizate si circulante, inregistrate in calitate de gaj
   1) valoarea de gaj lei,
   2) valoarea contabila lei.
10. Numarul actiunilor ordinare la finele perioadei de gestiune unitati.
11. Profit net (pierdere neta) a perioadei de gestiune pentru o actiune ordinara:
    1) profit lei,
    2) pierdere lei.
12. Dividende calculate pentru o actiune ordinara pentru perioada de gestiune:
    1) platite lei,
    2) planificate pentru plata lei.
13. Valuta straina disponibila, recalculata in moneda nationala a Republicii Moldova – total lei, inclusiv (lei, denumirea si codul valutei):

Nr. Ord.	lei	denumirea	codul valutei
1			

14. Numerar legat – total lei.
    In rindurile, in care se inscriu sumele de gaj, in toate coloanele prin fractie se reflecta:
    a) la numarator – valoarea de gaj;
    b) la numitor – valoarea contabila

Anexa 9

NOTA INFORMATIVA
privind relatiile cu nerezidentii

Tabelul 1

Creante, investitii financiare si datorii pe termen lung aferente fondatorilor nerezidenti

Indicatori	Cod rd./ cod tara	Sold la inceputul perioadei de gestiune	Modificari in perioada de gestiune			Sold la sfirsitul perioadei de gestiune
			Intrari / majorari	Iesiri / diminuari	Diferente de curs valutar	
1	2	3	4	5	6	7
Creante si investitii financiare pe termen lung - total	010					
Creante comerciale, *inclusiv pe tari:*	020					
1	2	3	4	5	6	7

1	2	3	4	5	6	7
Avansuri acordate, *inclusiv pe tari:*	030					

1	2	3	4	5	6	7
Imprumuturi acordate si creante privind leasingul financiar, *inclusiv pe tari:*	040					

1	2	3	4	5	6	7
Alte creante si investitii financiare, *inclusiv pe tari:*	050					

1	2	3	4	5	6	7
Datorii pe termen lung - total	060					
Datorii comerciale, *inclusiv pe tari:*	070					

1	2	3	4	5	6	7
Avansuri primite, *inclusiv pe tari:*	080					

1	2	3	4	5	6	7
Credite bancare, imprumuturi si datorii privind leasingul financiar, *inclusiv pe tari:*	090					

1	2	3	4	5	6	7
Alte datorii, *inclusiv pe tari:*	100					

Rd.010= rd.020 + rd.030 + rd.040 + rd.050
Rd.060= rd.070 + rd.080 + rd.090 + rd.100
Col.7 = col.3+col.4-col.5±col.6

Anexa 9

NOTA INFORMATIVA
privind relatiile cu nerezidentii

Tabelul 2

Creante, investitii financiare si datorii pe termen lung aferente nerezidentilor, cu exceptia fondatorilor

Indicatori	Cod rd./ cod tara	Sold la inceputul perioadei de gestiune	Modificari in perioada de gestiune			Sold la sfirsitul perioadei de gestiune
			Intrari / majorari	Iesiri / diminuari	Diferente de curs valutar	
1	2	3	4	5	6	7
Creante si investitii financiare pe termen lung - total	010					
Creante comerciale, *inclusiv pe tari:*	020					

1	2	3	4	5	6	7
Avansuri acordate, *inclusiv pe tari:*	030					

1	2	3	4	5	6	7
Imprumuturi acordate si creante privind leasingul financiar, *inclusiv pe tari:*	040					

1	2	3	4	5	6	7
Depozite, *inclusiv pe tari:*	050					

1	2	3	4	5	6	7
Alte creante si investitii financiare, *inclusiv pe tari:*	060					

1	2	3	4	5	6	7
Datorii pe termen lung - total	070					
Datorii comerciale, *inclusiv pe tari:*	080					

1	2	3	4	5	6	7
Avansuri primite, *inclusiv pe tari:*	090					

1	2	3	4	5	6	7

Tabelul 4

Creante, investitii financiare si datorii curente aferente nerezidentilor, cu exceptia fondatorilor

Indicatori	Cod rd./ cod tara	Sold la inceputul perioadei de gestiune		Modificari in perioada de gestiune				Sold la sfirsitul perioadei de gestiune	
		La care termenul de plata nu a sosit sau este expirat pina la un an	Termenul expirat mai mult de un an	Total	Transferari din active si datorii pe termen lung in active si datorii curente	Iesiri / diminuari	Diferente de curs valutar	La care termenul de plata nu a sosit sau este expirat pina la un an	Termenul expirat mai mult de un an
1	2	3	4	5	6	7	8	9	10
Creante si investitii financiare curente - total	010								
Creante comerciale, *inclusiv pe tari:*	020								

1	2	3	4	5	6	7	8	9	10
Avansuri acordate, *inclusiv pe tari:*	030								

1	2	3	4	5	6	7	8	9	10
Imprumuturi acordate si creante privind leasingul financiar, *inclusiv pe tari:*	040								

1	2	3	4	5	6	7	8	9	10
Depozite, *inclusiv pe tari:*	050								

1	2	3	4	5	6	7	8	9	10
Alte creante si investitii financiare, *inclusiv pe tari:*	060								

1	2	3	4	5	6	7	8	9	10
Datorii curente - total	070								
Datorii comerciale, *inclusiv pe tari:*	080								

1	2	3	4	5	6	7	8	9	10
Avansuri primite, *inclusiv pe tari:*	090								

1	2	3	4	5	6	7	8	9	10
Credite bancare, imprumuturi si datorii privind leasingul financiar, *inclusiv pe tari:*	100								

1	2	3	4	5	6	7	8	9	10
Alte datorii, *inclusiv pe tari:*	110								

Rd.010= rd.020 + rd.030 + rd.040 + rd.050 + rd.060
Rd.070= rd.080 + rd.090 + rd.100 + rd.110
Col.(9+10) = col.(3+4) + col.5 - col.7 ± col.8

Anexa 9

NOTA INFORMATIVA
privind relatiile cu nerezidentii

Tabelul 5

Investitii financiare in strainatate si participarea nerezidentilor in capitalul social

Indicatori	Cod rd./ cod tara	Sold la inceputul perioadei de gestiune	Intrari/ majorari	Iesiri/ diminuari	Sold la sfirsitul perioadei de gestiune
1	2	3	4	5	6
Investitii financiare	010				
Cote de participatie si actiuni de pina la 10% inclusiv, in capitalul social al entitatilor nerezidente, *inclusiv pe tari:*	020				

1	2	3	4	5	6
Cote de participatie si actiuni de peste 10% in capitalul social al entitatilor nerezidente, *inclusiv pe tari:*	030				

1	2	3	4	5	6

1	2	3	4	5	6	7
Credite bancare, imprumuturi si datorii privind leasingul financiar, *inclusiv pe tari:*	100					

1	2	3	4	5	6	7
Alte datorii, *inclusiv pe tari:*	110					

Rd.010= rd.020 + rd.030 + rd.040 + rd.050 + rd.60
Rd.070= rd.080 + rd.090 + rd.100 + +rd.110
Col.7 = col.3+col.4-col.5±col.6

Anexa 9

NOTA INFORMATIVA
privind relatiile cu nerezidentii

Tabelul 3

Creante, investitii financiare si datorii curente aferente fondatorilor nerezidenti

Indicatori	Cod rd./ cod tara	Sold la inceputul perioadei de gestiune		Modificari in perioada de gestiune				Sold la sfirsitul perioadei de gestiune	
		La care termenul de plata nu a sosit sau este expirat pina la un an	Termenul expirat mai mult de un an	Total	Transferari din active si datorii pe termen lung in active si datorii curente	Iesiri / diminuari	Diferente de curs valutar	La care termenul de plata nu a sosit sau este expirat pina la un an	Termenul expirat mai mult de un an
1	2	3	4	5	6	7	8	9	10
Creante si investitii financiare curente - total	010								
Creante comerciale, *inclusiv pe tari:*	020								

1	2	3	4	5	6	7	8	9	10
Avansuri acordate, *inclusiv pe tari:*	030								

1	2	3	4	5	6	7	8	9	10
Imprumuturi acordate si creante privind leasingul financiar, *inclusiv pe tari:*	040								

1	2	3	4	5	6	7	8	9	10
Alte creante si investitii financiare, *inclusiv pe tari:*	050								

1	2	3	4	5	6	7	8	9	10
Datorii curente - total	060								
Datorii comerciale, *inclusiv pe tari:*	070								

1	2	3	4	5	6	7	8	9	10
Avansuri primite, *inclusiv pe tari:*	080								

1	2	3	4	5	6	7	8	9	10
Credite bancare, imprumuturi si datorii privind leasingul financiar, *inclusiv pe tari:*	090								

1	2	3	4	5	6	7	8	9	10
Datorii privind dividendele calculate, *inclusiv pe tari:*	100								

1	2	3	4	5	6	7	8	9	10
Alte datorii, *inclusiv pe tari:*	110								

Rd.010= rd.020 + rd.030 + rd.040 + rd.050
Rd.060= rd.070 + rd.080 + rd.090 + rd.100 + rd.110
Col.(9+10) = col.(3+4) + col.5 - col.7 ± col.8

Anexa 9

NOTA INFORMATIVA
privind relatiile cu nerezidentii

1	2	3	4	5	6
Capital social	040				
Cote de participatie si actiuni de pina la 10% inclusiv, *inclusiv pe tari:*	050				

1	2	3	4	5	6
Cote de participatie si actiuni de peste 10%, *inclusiv pe tari:*	060				

Rd.010= rd.020 + rd.030
Rd.040= rd.050 + rd.060
Col.6 = col.3+col.4-col.5

Anexa 9

NOTA INFORMATIVA
privind relatiile cu nerezidentii

Tabelul 6

Venituri si cheltuieli aferente tranzactiilor cu nerezidentii

Indicatori	Cod rd./ cod tara	Perioada de gestiune	
		precedenta	curenta
1	2	3	4
Venituri - total	010		
Venituri aferente bunurilor procurate si vindute peste hotare fara trecerea frontierei de stat a Republicii Moldova, *inclusiv pe tari:*	020		

1	2	3	4
Venituri din dobinzi aferente activitatii operationale si altor activitati, *inclusiv pe tari:*	030		

1	2	3	4
Venituri din dividende si participatii in alte entitati,*inclusiv pe tari:*	040		

1	2	3	4
Venituri din decontarea datoriilor cu termenul de prescriptie expirat, *inclusiv pe tari:*	050		

1	2	3	4
Alte venituri, *inclusiv pe tari:*	060		

1	2	3	4
Cheltuieli - total	070		
Cheltuieli aferente bunurilor procurate si vindute peste hotare fara trecerea frontierei de stat a Republicii Moldova, *inclusiv pe tari:*	080		

1	2	3	4
Cheltuieli privind dobinzile, *inclusiv pe tari:*	090		

1	2	3	4
Cheltuieli si provizioane aferente creantelor comerciale si altor creante compromise, *inclusiv pe tari:*	100		

1	2	3	4
Alte cheltuieli, *inclusiv pe tari:*	110		

Rd.010= rd.020 + rd.030 + rd.040 + rd.050 + rd.060
Rd.070= rd.080 + rd.090 + rd.100 + rd.110

Anexa 9

NOTA INFORMATIVA
privind relatiile cu nerezidentii

Tabelul 7

Bunuri ale nerezidentilor inregistrate in conturi extrabilantiere

Indicatori	Cod rd./ cod tara	Sold la inceputul perioadei de gestiune	Intrari/ majorari	Iesiri/ diminuari	Sold la sfirsitul perioadei de gestiune
1	2	3	4	5	6
Bunuri primite in baza contractelor de comision, *inclusiv pe tari:*	010				

1	2	3	4	5	6

1	2	3	4	5	6
Bunuri primite spre prelucrare,*inclusiv pe tari:*	020				

1	2	3	4	5	6
Bunuri obtinute din materialele prelucrate, *inclusiv pe tari:*	030				

Col.6 = col.3+col.4-col.5

Informațiile privind activele imobilizate

Anexa 7

Indicatori	Nr. rînd	Existența la începutul perioadei (la costul de intrare)	Amortizarea acumulată la începutul perioadei	Deprecierea acumulată la începutul perioadei	Intrarea în cursul perioadei (la costul de intrare)	Ieșirea în cursul perioadei (la costul de intrare)	Existența la sfîrșitul perioadei (la costul de intrare)	Amortizarea acumulată la sfîrșitul perioadei	Deprecierea acumulată la sfîrșitul perioadei
A	1	2	3	4	5	6	7	8	9
1. Imobilizări necorporale în curs de execuție	100								
2. Imobilizări necorporale în utilizare, total inclusiv:	200								
2.1 brevete și mărci	210								
2.2. licențe de activitate	220								
2.3. programe informatice	230								
3. Imobilizări corporale în curs de execuție	300								
4. Terenuri	400		x					x	
5. Mijloace fixe, total din care:	500								
5.1. clădiri	510								
5.2. construcții speciale	520								
5.3. mașini, utilaje, instalații de transmisie	530								
inclusiv: tehnică de calcul	531								
5.4. mijloace de transport	540								
5.5. instrumente și inventar	550								
5.6. costuri ulterioare aferente obiectelor neînregistrate în bilanț	560								
5.7. mijloace fixe primite în leasing financiar	570								
5.8. mijloace fixe primite în gestiune economică	580								
5.9. alte mijloace fixe	590								
6. Resurse minerale	600								
7. Investiții imobiliare, total	700								

Persoanele responsabile de semnarea rapoartelor financiare ale entității*
* conform art.36 din Legea contabilității

Documente atașate - Notă explicativă (fișierul pdf)

Nota la Situatii Financiare 2019 Ox.pdf

Versiune de imprimare

Salvare

Recipisa 2

Respondent
Codul fiscal: 1007600044280, denumire: S.C. OXIVIT-MED S.R.L.
A prezentat raportul: RSF1
Pentru perioada fiscala: A/2019
Data prezentarii: 29.05.2020
Marca temporală a raportului înregistrat în Sistemul Informațional al BNS : 29.05.2020 18:40:13

Biroul Național de Statistică (BNS) a recepționat varianta electronică a raportului, expediat de DVs. Urmează verificarea și validarea raportului de către specialistul BNS pe domeniu.

Versiune de imprimare

Salvare

Recipisa

Respondent
Codul fiscal: 1007600044280, denumire: S.C. OXIVIT-MED S.R.L.
A prezentat raportul: RSF1
Pentru perioada fiscala: A/2019
Data prezentarii: 29.05.2020
Marca temporală a raportului înregistrat în Sistemul de Raportare Electronică și expediat pentru procesare în Sistemul Informațional al BNS : 29.05.2020 18:35:54

OXIVITMED
c/f: 1007600044280; adresa: str. Independenței 28-34, or. Chișinău, Republica Moldova
telefon: + 373 22 808002; fax: + 373 22 808003
web: www.oxivit-med.com; e-mail:info@oxivit-med.com

Către Grupul de lucru pentru evaluarea
licitației publice Nr. ocds-b3wdp1-MD-1628001612167
din 19 aug 2021, 18:31 - 9 sept 2021, 18:31
din cadrul CAPCS

Declarație

Prin prezenta, SRL „Oxivit-Med”, declara ca:

- Termenul de valabilitate restant (la momentul livrării) va constitui 80% din termenul total al produsului, dar nu mai mic de 12 luni.
- Pentru produsele noi sau necunoscute pentru medici, vor fi prezentate mostre de către potențialii cîștigători în termen de 5 zile de la solicitare
- se obligă să înregistreze bunul contractat, la AMDM, până la momentul livrării acestuia.

_____ Kojevnikov Dmitrii

L.Ș.

CERTIFICATE

Number: 2090418

The management system of the organization(s) and locations mentioned on the addendum belonging to:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen
The Netherlands

including the implementation meets the requirements of the standard:

ISO 9001:2015
EN ISO 13485:2016

Scope:
Sales, order management, warehousing and distribution of medical devices.
Including regulatory affairs, post market surveillance, technical service, customer education and spine loaner operations

Certificate expiry date: 1 July 2024
Certificate effective date: 1 July 2021
Certified since: 1 July 2006

This certificate is valid for the organization(s) and/or locations mentioned on the addendum.

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

J.A. van Vugt
Certification Manager

MGMT. SYS. RvA C 589

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands
T +31 88 96 83000 F +31 88 96 83100 www.dekra-product-safety.com Company registration 09085396

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Certified organization(s) and/or locations:	Different scope
Medtronic Trading NL B.V. Larixplein 4 5616 VB Eindhoven The Netherlands	Sales, order management and distribution of medical devices. Including customer education
Medtronic Italia S.p.A. Via Varesina 162 20156 Milano Italy	Sales, order management and distribution of medical devices. Including customer education.
Medtronic Danmark A/S. Arne Jacobsens Alle 17 2300 Kopenhagen Denmark	Sales, order management and distribution of medical devices. Including customer education
Medtronic Finland Oy Lentajantie 3 01530 Vantaa Finland	Sales, order management and distribution of medical devices. Including customer education.
Medtronic AB P.O. Box 1034 164 21 Kista Sweden	Sales, order management and distribution of medical devices. Including customer education
Medtronic Norge AS Martin Linges vei 25 1364 Fornebu Norway	Sales, order management and distribution of medical devices. Including customer education.

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Africa (Pty) Ltd. Waterfall Distribution Campus CNR K101 and Bridal Veil Road Waterfall Midrand 1685 Gauteng South Africa	Sales, order management, warehousing and distribution of medical devices. Including customer education and spine loaner operations.
Medtronic Medikal Teknoloji Ticaret Ltd Sti Saray Mah. Esnaf Sk. Akkom Ofis Park Laodik Plaza Sitesi B Blok Apt: 2/8 34764 Umraniye - Istanbul Turkey	Sales, order management and distribution of medical devices. Including customer education
Medtronic Ibérica S.A. Calle de Maria de Portugal, 11 28050 Madrid Spain	Sales, order management and distribution of medical devices. Including customer education.
Medtronic Ibérica S.A. WTC Almeda Park Placa de la Pau, s/n. Edificio 7, 3 piso Cornella de Llobregat 08940 Barcelona Spain	Sales, order management and distribution of medical devices.
Medtronic Portugal LDA- Rua Tomas da Fonseca Torre E, 11 piso 1600 Lisboa Portugal	Sales, Order Management and distribution of medical devices including customer education. Warehousing and distribution of medical devices, including spine loaner operations

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Portugal, LDA- Avenida Gomes Pereira 61B Benfica 1600 Lisboa Portugal	Sales, Order Management and distribution of medical devices. Including customer education. Warehousing and distribution of medical devices, including spine loaner operations.
Medtronic GmbH Earl-Bakken-Platz 1 40670 Meerbusch Germany	Scope for EN ISO 13485:2016: Sales, order management and distribution of medical devices. Including customer education. ISO 9001:2015 excluded
Medtronic GmbH Mollsfeld 12 40670 Meerbusch Germany	Scope for EN ISO 13485:2016: Sales, order management and distribution of medical devices. Including customer education. ISO 9001:2015 excluded
Medtronic Osterreich GmbH Milennium Tower, 20th floor Handelskai 94-96 1200 Wien Austria	Sales, order management, warehousing and distribution of medical devices. Including customer education
Medtronic (Schweiz) AG Talstrasse 9 3053 Munchenbuchsee Switzerland	Sales, order management, warehousing and distribution of medical devices. Including customer education
Medtronic France SAS 9, boulevard Romain Rolland 75014 Paris France	Sales, order management and distribution of medical devices. Including customer education

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Hellas S.A. Avenue Kifisias 24 Building B 151 25 Marousi Pref. Attica Greece	Sales, order management and distribution of medical devices. Including customer education.
Medtronic Hellas S.A. Diabetes Shop Mesogeion Avenue 2-4 115 27 Athens Greece	Sales, order management and distribution of diabetes medical devices. Including customer education.
Medtronic Romania SRL Ploiesti 42-44, Building B, B2 Wing, 2nd floor, district 1 Baneasa Business & Technology Park 013696 Bucharest Romania	Sales, order management and distribution of medical devices. Including customer education.
Medtronic Hungária Kft. Bocskai ut 134-146 Cepulet 3. emelet 1113 Budapest Hungary	Sales, order management and distribution of medical devices. Including customer education.
Medtronic Serbia Ltd. Bulevar Zorana Djindjica, 64a 11070 Belgrade Serbia	Sales, order management and distribution of medical devices. Including customer education.

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Poland Sp.z o.o Medtronic Customer Care Center of Experience Warsaw Polna 11 00-633 Warszawa Poland	Order management of medical devices.
Medtronic Trading Ltd. 10 Hamada Street 4673344 Herzlya Israel	Import, sales, order management and distribution of medical devices. Including customer education
Medtronic Czechia s.r.o. Prosek Point, Budova B, Prosecka 852/66 852 66 Praha Czech Republic	Sales, order management and distribution of medical devices. Including customer education.
Medtronic Bulgaria EOOD 48 Sitnyakovo blvd., R-N OBORISHTE DISTR., floor 7 1505 Sofia Bulgaria	Sales, order management and distribution of medical devices. Including customer education.
Medtronic Limited Building 9, Croxley ParkHatters Ln WD18 8WW Watford United Kingdom	Sales, order management and distribution of medical devices. Including customer education.

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Ireland Limited Block 3090-3094Lake Drive, Citywest Business Campus D24 NW2F Dublin Ireland	Sales, order management and distribution of medical devices. Including customer education.
Medtronic B.V. Medtronic Service & Repair EMEA Jan Campertstraat 21-A 6416 SG Heerlen	Order management, warehousing and technical service of medical devices including field service EMEA.
Medtronic Slovakia s.r.o. CBC III, Karadzicova 12 821 08 Bratislava Slovak Republic	Sales, order management and distribution of medical devices. Including customer education.
Medtronic Belgium Burgemeester E. Demunterlaan 5 1090 Brussel Belgium	Sales, Order Management and distribution of medical devices. Including customer education
Medtronic Croatia Folnegoviceva 1c 10000 Zagreb Croatia	Sales, order management and distribution of medical devices. Including customer education.
Medtronic Slovenia Ameriska Ulica 8 1000 Ljubljana Slovenia	Sales, order management and distribution of medical devices

Addendum expiry date: 1 July 2024
Addendum effective date: 1 July 2021

EC Certificate - Full Quality Assurance System

Directive 93/42/EEC on Medical Devices, Annex II excluding Section 4

No. **CE 84868**

Issued To: **Medtronic, Inc.**
710 Medtronic Parkway
Minneapolis, MN 55432
USA

In respect of:

The design, development and manufacture of sterile Endoluminal Stent Grafts, sterile Securement Devices and Delivery Systems for Endovascular Indications, sterile Vascular Introducer Sheaths, sterile Stent Graft Balloon Catheters, sterile Coronary Stents and Delivery Systems, Sterile Intravascular Catheters and sterile/non-sterile Catheter Systems for Renal Denervation.

on the basis of our examination of the quality assurance system under the requirements of Council Directive 93/42/EEC, Annex II excluding section 4. The quality assurance system meets the requirements of the directive. For the placing on the market of class III products an Annex II section 4 certificate is required.

For and on behalf of BSI, a Notified Body for the above Directive (Notified Body Number 2797):

Gary E Slack, Senior Vice President Medical Devices

First Issued: **2004-08-24** Date: **2019-08-22** Expiry Date: **2024-05-26**

...making excellence a habit.™

EC Certificate - Full Quality Assurance System

Supplementary Information to CE 84868

Issued To:

Medtronic, Inc.
710 Medtronic Parkway
Minneapolis, MN 55432
USA

Number	Device Name	Intended purpose per IFU
Class III products under the scope of CE 84868		
N/A	Attain Clarity Venogram Balloon Catheter	See CE 593123
N/A	Driver Sprint Rapid Exchange Coronary Stent System	See CE 545439
N/A	Endeavor Resolute Zotarolimus-Eluting Coronary Stent System Resolute Integrity Zotarolimus-Eluting Coronary Stent System	See CE 514336
N/A	Endeavor Sprint Zotarolimus-Eluting RX Coronary Stent System	See CE 86406
N/A	Endurant™ Stent Graft System Endurant™ II Stent Graft System Endurant™ IIs Stent Graft System	See CE 559659
N/A	Euphora Rapid Exchange Balloon Dilatation Catheter	See CE 622066
N/A	Heli-FX™ EndoAnchor™ Systems	See CE 669930
N/A	IN.PACT Admiral (Paclitaxel-coated PTA Balloon Catheter)	See CE 570280

First Issued: **2004-08-24** Date: **2019-08-22** Expiry Date: **2024-05-26**

EC Certificate - Full Quality Assurance System

Supplementary Information to CE 84868

Issued To:

Medtronic, Inc.
710 Medtronic Parkway
Minneapolis, MN 55432
USA

Number	Device Name	Intended purpose per IFU
Class III products under the scope of CE 84868		
N/A	IN.PACT Falcon (Paclitaxel-eluting PTCA Balloon Catheter)	See CE 570282
N/A	IN.PACT Pacific (Paclitaxel-eluting PTA Balloon Catheter)	See CE 570281
N/A	Integrity Rapid Exchange Coronary Stent System	See CE 91271
N/A	Micra™ Introducer Sheath with Hydrophilic Coating	See CE 599898
N/A	NC Euphora Rapid Exchange Balloon Dilatation Catheter	See CE 612356
N/A	NC Solarice Rapid Exchange Balloon Dilatation Catheter	See CE 630635
N/A	NC Sprinter Rapid Exchange Balloon Dilatation Catheter	See CE 506473
N/A	Reliant Stent Graft Balloon Catheter	See CE 635936
N/A	Resolute Onyx Zotarolimus-Eluting Coronary Stent System	See CE 618060
N/A	Sentrant Introducer Sheath with Hydrophilic Coating	See CE 595294
N/A	Solarice Rapid Exchange Balloon Dilatation Catheter	See CE 630580
N/A	Sprinter Legend OTW Balloon Dilatation Catheter	See CE 547584

First Issued: **2004-08-24** Date: **2019-08-22** Expiry Date: **2024-05-26**

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Issued To:

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710 Medtronic Parkway
Minneapolis, MN 55432
USA

Number	Device Name	Intended purpose per IFU
Class III products under the scope of CE 84868		
N/A	Sprinter Legend RX Balloon Dilatation Catheter	See CE 525652
N/A	Sprinter Over-the-Wire Balloon Dilatation Catheter	See CE 92065
N/A	Telescope Guide Extension Catheter	See CE 701802
N/A	Valiant Navion™ Thoracic Stent Graft System	See CE 702496
N/A	Valiant Thoracic Stent Graft with the Captivia Delivery System	See CE 554030

First Issued: **2004-08-24** Date: **2019-08-22** Expiry Date: **2024-05-26**

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Class IIb products under the scope of CE 84868		
GMDN #	**Device or Generic Device Group**	**Intended Purpose per IFU**
58893 (Catheter) 35156 (Generator)	Symplicity Spyral™ Multi-Electrode Renal Denervation Catheter & Symplicity G3™ Renal Denervation RF Generator	The Symplicity G3™ Renal Denervation RF Generator when used with the Symplicity Spyral™ Multi-Electrode Renal Denervation Catheter is intended to deliver low-level radio frequency (RF) energy through the wall of the renal artery to denervate the human kidney.

First Issued: **2004-08-24** Date: **2019-08-22** Expiry Date: **2024-05-26**

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Class IIb products under the scope of CE 84868		
GMDN #	**Device or Generic Device Group**	**Intended Purpose per IFU**
46777	Talent Endoluminal Occluder System	The Talent Endoluminal Occluder System is intended for endoluminal occlusion of the contralateral iliac artery in cases where an abdominal aortic aneurysm is treated with an aorto-uni-iliac stent graft and subsequent femoral-to-femoral bypass procedure

First Issued: **2004-08-24** Date: **2019-08-22** Expiry Date: **2024-05-26**

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Class IIa products under the scope of CE 84868		
NBOG code	**Device or Generic Device Group**	**Intended Purpose per IFU**
MD0106	Confida™ Expandable Sheath	The Confida™ Expandable Sheath is intended to be inserted into the femoral artery, over a guidewire, and once expanded, to provide a guide for catheters or devices introduced into the femoral iliac arteries.

First Issued: **2004-08-24** Date: **2019-08-22** Expiry Date: **2024-05-26**

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EC Certificate - Full Quality Assurance System

Directive 93/42/EEC on Medical Devices, Annex II excluding Section 4

List of Significant Subcontractors

Recognised as being involved in services relating to the product covered by:

Certificate No:	**CE 84868**
Date:	**2019-08-22**
Issued To:	**Medtronic, Inc.** **710 Medtronic Parkway** **Minneapolis, MN 55432** **USA**

Subcontractor:	**Service(s) supplied**
Invatec S.p.A. Via Martiri della Libertà 7 25030 Roncadelle (BS) Italy	**Manufacture**
Medistri SA Rte de L'Industrie 96 1564 Domdidier Switzerland	**ETO Sterilization**
Medtronic B.V. / E.O.C. Earl Bakkenstraat 10 6422 PJ Heerlen The Netherlands	**EU Representative**
Medtronic CoreValve LLC 1851 E. Deere Ave Santa Ana, CA 92705 USA	**Manufacture**

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EC Certificate - Full Quality Assurance System

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Date:	**2019-08-22**
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Subcontractor:	**Service(s) supplied**
Medtronic Ireland Parkmore Business Park West Galway Ireland	**Design** **EU Representative** **Manufacture**
Medtronic Mexico EG Carret. Int. Km. 1969 Guad-Nogales Km. 2 85340 Empalme Sonora Mexico	**Manufacture**
Medtronic Mexico S. de R.L. de CV Av. Paseo Cucapah 10510 El Lago C.P. 22210 Tijuana, Baja California Mexico	**Manufacture**
Medtronic Vascular 3576 Unocal Place Santa Rosa California 95403 USA	**Design**

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Subcontractor:	**Service(s) supplied**
Phoenix DeVentures, Inc. 18655 Madrone Parkway Suite 180 Morgan Hill California 95037 USA	**Manufacture**
Plexus Corp. Pinnacle Hill Kelso TD5 8XX United Kingdom	**Manufacture**
Plexus Manufacturing Sdn. Bhd. Bayan Lepas Free Industrial Zone Phase II, 11900 Bayan Lepas Penang Malaysia	**Manufacture**

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Issued To:	**Medtronic, Inc.** **710 Medtronic Parkway** **Minneapolis, MN 55432** **USA**

Subcontractor:	**Service(s) supplied**
SSP-SiMatrix, Inc. 1131 North US Highway 93 Victor Montana 59875 USA	**Manufacture**
Sterigenics US, LLC 4900 Gifford Avenue Los Angeles California 90058 USA	**ETO Sterilization**
Surmodics, Inc. 9924 West 74th Street Eden Prairie Minnesota 55344 USA	**Crucial Supplier**

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Directive 93/42/EEC on Medical Devices, Annex II excluding Section 4

List of Significant Subcontractors

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Subcontractor:	**Service(s) supplied**
Synergy Health Ireland Ltd (Synergy Health - AST - Ireland) IDA Business & Technology Park Tullamore, Co. Offaly Ireland	**E Beam Sterilization** **ETO Sterilization**
Synergy Health Sterilisation UK Ltd (Synergy Health - AST - Daventry) Brunel Close Drayton Fields Industrial Estate Daventry NN11 8RB United Kingdom	**E Beam Sterilization**
Teleflex Medical Annacotty Business Park Annacotty Co. Limerick Ireland	**Manufacture**

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EC Certificate - Full Quality Assurance System Certificate History

Certificate No: **CE 84868**
Date: **2019-08-22**
Issued To: **Medtronic, Inc.**
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USA

Date	Reference Number	Action
24 August 2004		First Issued.
15 November 2004		Transfer of the following certificates from NSAI:- Q252.322, Q252.407, Q252.426, Q252.427, Q252.428, Q252.467, Q252.480, Q252.587, and Q252.611 D252.587 and D252.407, plus incorporation of Medtronic Vascular Ireland as a subcontract manufacturer.
02 December 2004		Carotid and Coronary Stents and Delivery Systems added to the scope (transfer) Medtronic Mexico (manufacture), and Titan Scan Systems, Nutec Corporation, Sterigenics (Queensbury), Steris Corporation-Isomedix Services (Sandy), Rocialle in Health (Mid Glamorgan UK), and EBIS Iotron added as sub-contract sterilizers.
21 December 2004		PTCA Balloon Dilatation Catheters added to the range of products manufactured (transferred from another Notified Body) and Isotron Ireland Ltd added as sub-contract sterilization site.
19 August 2005		Sterilization sub-contractor name change from Titan Scan Systems to Beam One.
03 April 2006		Addition of Sterigenics UK Ltd, as sterilization sub-contractor.
07 August 2006		Addition of AD)MEDES Schuessler GmbH as a sub-contractor for manufacture.

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Date	Reference Number	Action
11 January 2008	7149866	Subcontractor name change from EBIS Isotron, Harwell to Isotron Harwell. Addition of Isotron plc, Daventry as a subcontractor for E beam sterilization.
03 October 2008	7279045	Addition of Medtronic Mexico EG, Empalme as a subcontractor for manufacture.
14 April 2009	7341499	Correction of the legal name of the Medtronic Mexico facility and postcode for the Isotron PLC, Daventry facility. Addition of the activity of EU Representative for Medtronic Ireland.
13 August 2009	7432878	Certificate renewal. Addition of Accellant Inc as a manufacturing subcontractor, amendment to company name for Isotron PLC, Daventry, and Steris Corporation, Sandy, Utah. Change to address for the subcontractor, Nutek Corporation. Addition of E Beam Sterilization for Isotron Ireland. Rewording of scope for clarification purposes only.
29 July 2010	7546410	Added C.R. Bard, Inc. to the list of significant subcontractors for manufacturing. Extended the scope to include guidewires.
12 October 2011	7730209	Extension to scope to include Catheter Systems for Renal Denervation. Removal of Carotid Stents and Delivery Systems from the scope. Minor amendments to Isotron Daventry and Isotron Tullamore's addresses.

EC Certificate - Full Quality Assurance System Certificate History

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Date	Reference Number	Action
26 January 2012	7792125	Amendment to significant subcontractors to reflect Isotron's name change to Synergy Health and removal of Isotron Harwell.
25 May 2012	7842435	Amendment to the address format and zip code for the significant subcontractor Medtronic Mexico (Tijuana).
19 December 2012	7915649	Addition of Medtronic B.V. The Netherlands for EU Representative Activities.
22 January 2013	7945194	Extension to scope to include Superficial Femoral Artery (SFA) and Proximal Popliteal Artery (PPA) Stents and Delivery Systems.
28 February 2013	7960715	Addition of Invatec Technology Center GmbH to the list of significant subcontractors for manufacturing activities.
28 March 2013	7943883	Extension to Scope to include Vascular Introducer Sheaths and the addition of Teleflex Medical for manufacturing activities.
16 December 2013	8082854	Addition of Plexus Manufacturing Sdn Bhd, Malaysia and Plexus Corp, UK to the list of significant subcontractors for manufacturing activities.
13 July 2014	8154862	Certificate Renewal. Various updates and changes to the list of significant subcontractors. Correction of the reference number for the reissue dated 19th December 2012 on the certificate history page.

EC Certificate - Full Quality Assurance System Certificate History

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Date	Reference Number	Action
31 July 2015	8350802	Addition of SSP SiMATrix Inc. as balloon supplier for the Attain Clarity.
01 July 2016	8545838	C. R. Bard, Inc., Medtronic Ardian LLC, Nutek Corporation, Sterigenics NY and Apical Instruments Inc. were removed from the list of significant subcontractors.
09 October 2017	8696759	Certificate scope updated to add the design, development and manufacture of securement devices for endovascular indications.
01 May 2018	8895951	Specify devices covered in this certificate are sterile/non-sterile. Move 'sterile Vascular Introducer Sheaths' up in the scope after securement devices. Remove 'Renal Stents and Delivery Systems' and 'guidewires for diagnostic or interventional procedures' from scope. Correction to certificate history entry #2 from '2014' to '2004'.
06 March 2019	8786554	Traceable to NB 0086.

EC Certificate - Full Quality Assurance System Certificate History

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Date	Reference Number	Action
Current	9736517	Certificate Renewal. Added product table per MDP4500 Appendix A. Clarified addresses of subcontractors to exactly align with their ISO certificate name and address. Remove "sterile Iliac Stents and Delivery Systems, sterile Superficial Femoral Artery (SFA) and Proximal Popliteal Artery (PPA) Stents and Delivery Systems" from scope as the Complete SE product (iliac and vascular indications) is no longer manufactured nor in the distribution chain. Remove Assurant Cobalt product (iliac product scope) it is no longer manufactured and the last product builds expired in April 2019. Remove subcontractors – Admedes Schuessler GmbH, Germany, Flextronics Medical, Austria, Sterigenics, Corona, CA, Synergy Health, Ireland related to removed products above. Add subcontractors - Phoenix DeVentures, CA, Sterigenics, Los Angeles, CA, SurModics, MN and Medtronic, Santa Ana, CA related to new Class IIa product Confida Expandable Sheath.

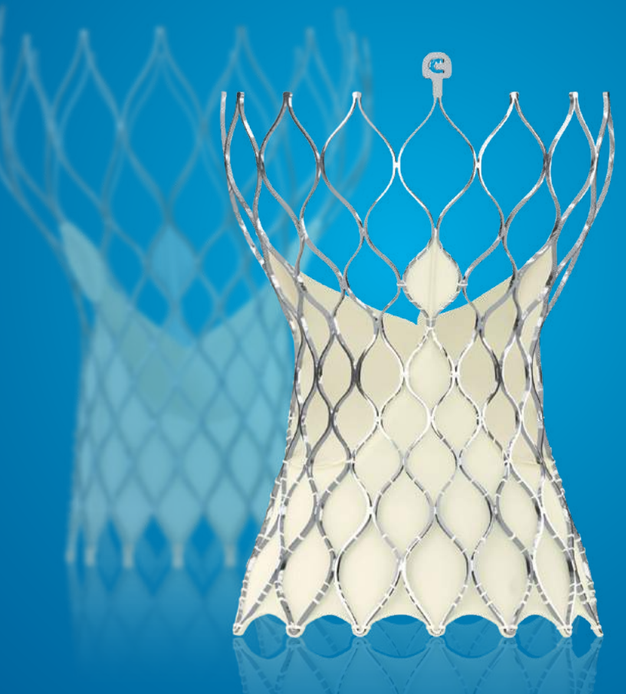
LIFE IS DIFFERENT

CoreValve™
Evolut™ R

Transcatheter Aortic Valve Replacement (TAVR) Platform

Medtronic

BUILT ON A **PROVEN FOUNDATION**



The CoreValve™ System continues to demonstrate exceptional outcomes — and we've taken what we've learned from the design of that platform and applied it to the Evolut™ R System.

Supra-annular Valve Design

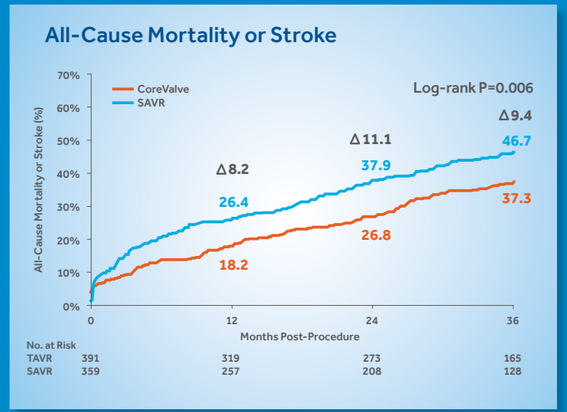
Self-expanding Nitinol Frame

Porcine Pericardial Tissue

Low Delivery Profile

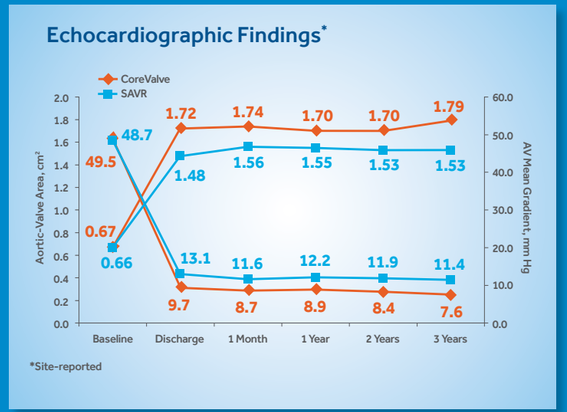
SUPERIOR LONG-TERM CLINICAL OUTCOMES

Lower Rate of Mortality or Stroke



The CoreValve™ Platform shows superior outcomes vs. surgery.[1]

Unsurpassed Sustained Hemodynamic Performance



CoreValve™ system had significantly better valve performance over SAVR at all follow-up visits (P<0.001)[1]

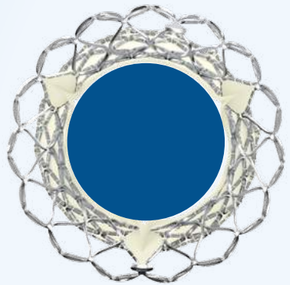
1. CoreValve™ US Pivitol High Risk Trial 3-year Outcomes Presented at ACC 2016.

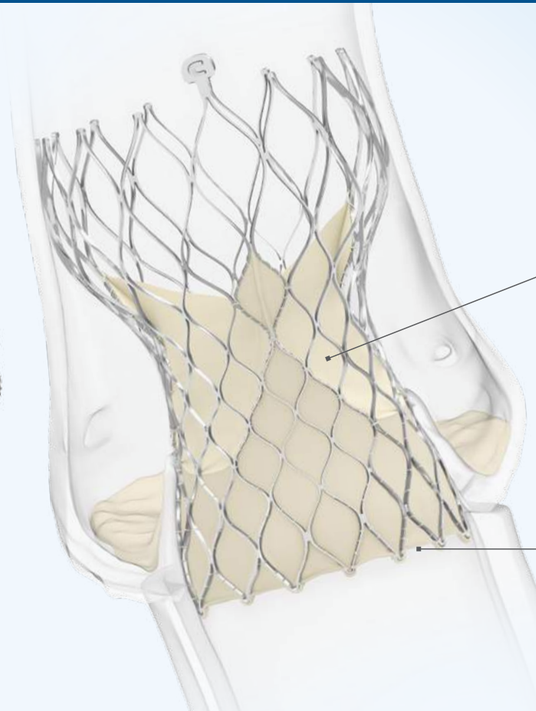
UNSURPASSED **HEMODYNAMICS**

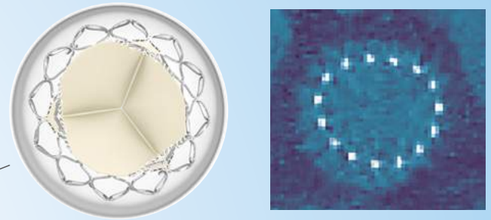
Supra-annular valve design maximizes leaflet coaptation and promotes single digit gradients and large EOA's.

7.5 mm Hg
single digit gradients

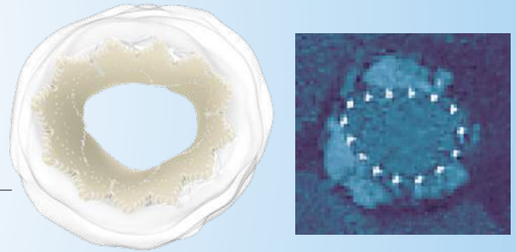
2.0 cm^2
Large EOA







Supra-annular Valve | Optimizes coaptation in non-circular anatomy with supra-annular valve position



Annulus | Conforms to the native annulus

Evolut™ R 30 Day Outcomes.
CoreValve™ Evolut™ R System Instructions for Use 2016 Rev. 1F.

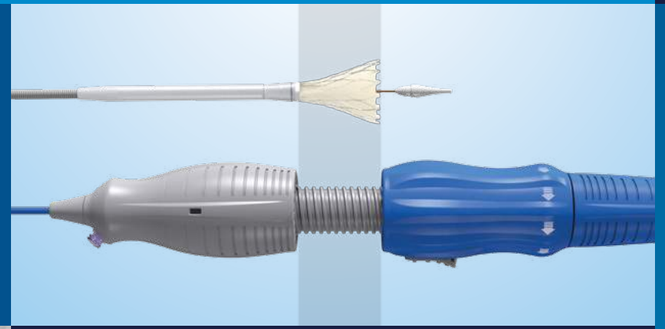
Exceptional Survival

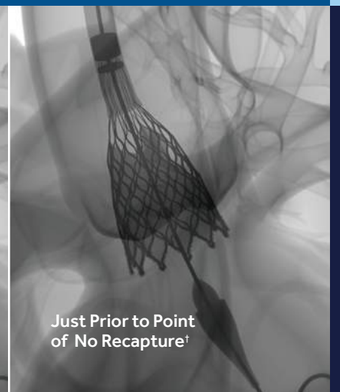
98.8%

CONTROL
DURING DEPLOYMENT

ACCURATE POSITIONING

1:1 response provides immediate feedback between the deployment knob and the movement of the capsule





RECAPTURE AND REPOSITION

EnVeo™ R provides option to recapture and reposition for accurate placement.

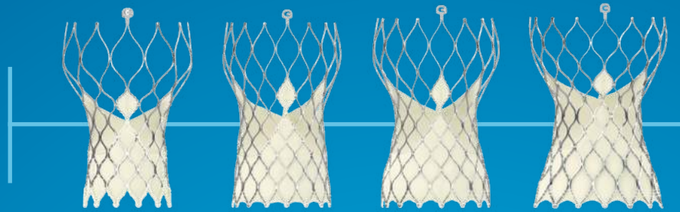
† Up to 80% deployment.

ACCESS
MORE PATIENTS

BROADEST ANNULUS RANGE ON THE MARKET**

The only TAVR platform indicated to treat annulus up to 30 mm

17/18‡



30 mm

LOWEST DELIVERY PROFILE

The only TAVR system with a vessel indication down to 5.0 mm***

** Broadest annulus range based on CT derived diameters
‡ Measurement for TAV-in-SAV only.
*** Evolut™ R 23, 26 and 29 mm valves. 34 mm valve minimum vessel indication ≥ 5.5 mm

INDICATIONS The Medtronic CoreValve and CoreValve Evolut R systems are indicated for use in patients with symptomatic heart disease due to either severe native calcific aortic stenosis or failure (stenosed, insufficient, or combined) of a surgical bioprosthetic aortic valve who are judged by a heart team, including a cardiac surgeon, to be at high or greater risk for open surgical therapy (ie, Society of Thoracic Surgeons predicted risk of operative mortality score ≥8% or at a ≥15% risk of mortality at 30 days).

CONTRAINDICATIONS The CoreValve and CoreValve Evolut R systems are contraindicated for patients presenting with any of the following conditions: known hypersensitivity or contraindication to aspirin, heparin (HIT/HITTS) and bivalirudin, ticlopidine, clopidogrel, Nitinol (Titanium or Nickel), or sensitivity to contrast media, which cannot be adequately premedicated; ongoing sepsis, including active endocarditis; preexisting mechanical heart valve in aortic position.

WARNINGS *General* Implantation of the CoreValve and CoreValve Evolut R systems should be performed only by physicians who have received Medtronic CoreValve training. This procedure should only be performed where emergency aortic valve surgery can be performed promptly. Mechanical failure of the delivery catheter system and/or accessories may result in patient complications. Transcatheter Aortic Valve (Bioprosthesis) Accelerated deterioration of the bioprosthesis may occur in patients presenting with an altered calcium metabolism.

PRECAUTIONS *General* The safety and effectiveness of the CoreValve and CoreValve Evolut R systems have not been evaluated in the pediatric population. The safety and effectiveness of the bioprosthesis for aortic valve replacement have not been evaluated in the following patient populations: patients who do not meet the criteria for symptomatic severe native aortic stenosis as defined: (1) symptomatic severe high gradient aortic stenosis – aortic valve area ≤1.0cm^2 or aortic valve area index ≤0.6 cm^2/m^2, a mean aortic valve gradient ≥40 mmHg; or a peak aortic-jet velocity ≥4.0 m/s, (2) symptomatic severe low-flow/low-gradient aortic stenosis – aortic valve area ≤1.0cm^2 or aortic valve area index ≤0.6 cm^2/m^2, a mean aortic valve gradient <40 mmHg; and a peak aortic-jet velocity <4.0 m/s ; who are at moderate or low surgical risk (predicted perioperative mortality risk of <15%); with untreated, clinically significant coronary artery disease requiring revascularization; with a preexisting prosthetic heart valve with a rigid support structure in either the mitral or pulmonic position if either the preexisting prosthetic heart valve could affect the implantation or function of the bioprosthesis or the implantation of the bioprosthesis could affect the function of the preexisting prosthetic heart valve; with cardiogenic shock manifested by low cardiac output, vasopressor dependence, or mechanical hemodynamic support. The safety and effectiveness of a CoreValve or CoreValve Evolut R bioprosthesis implanted within a failed preexisting transcatheter bioprosthesis has not been demonstrated. Implanting a CoreValve or CoreValve Evolut R bioprosthesis in a degenerated surgical bioprosthesis [transcatheter aortic valve in surgical aortic valve (TAV in SAV)] should be avoided in the following conditions. The degenerated surgical bioprosthesis presents with a: significant concomitant perivalvular leak (between the prosthesis and the native annulus), is not securely fixed in the native annulus, or is not structurally intact (eg, wireform frame fracture); partially detached leaflet that in the aortic position may obstruct a coronary ostium; stent frame with a manufacturer's labeled inner diameter <17 mm. The safety and effectiveness of the bioprosthesis for aortic valve replacement have not been evaluated in patient populations presenting with the following: blood dyscrasias as defined: leukopenia (WBC <1000 cells/mm^3), thrombocytopenia (platelet count <50,000 cells/mm^3), history of bleeding diathesis or coagulopathy, or hypercoagulable states; congenital bicuspid or unicuspid valve; mixed aortic valve disease (aortic stenosis and aortic regurgitation with predominant aortic regurgitation [3-4+]); moderate to severe (3-4+) or severe (4+) mitral or severe (4+) tricuspid regurgitation; hypertrophic obstructive cardiomyopathy; new or untreated echocardiographic evidence of intracardiac mass, thrombus, or vegetation; native aortic annulus size <18 mm or >29 mm for CoreValve and <18 mm or >30 mm for CoreValve Evolut R per the baseline diagnostic imaging or surgical bioprosthetic aortic annulus size <17 mm or >29 mm for CoreValve and <17 mm or >30 mm for CoreValve Evolut R; transarterial access not able to accommodate an 18 Fr introducer sheath or the 14 Fr equivalent EnVeo R InLine sheath when using Model ENVEOR-US or transarterial access not able to accommodate a 20 Fr introducer sheath or the 16 Fr equivalent EnVeo R InLine sheath when using Model ENVEOR-N-US;. sinus of valsalva anatomy that would prevent adequate coronary perfusion; moderate to severe mitral stenosis; severe ventricular dysfunction with left ventricular ejection fraction (LVEF) <20%; symptomatic carotid or vertebral artery disease; severe basal septal hypertrophy with an outflow gradient.

Prior to Use Exposure to glutaraldehyde may cause irritation of the skin, eyes, nose, and throat. Avoid prolonged or repeated exposure to the vapors. Damage may result from forceful handling of the catheter. Prevent kinking of the catheter when removing it from the packaging. This device was designed for single patient use only. Do not reuse, reprocess, or resterilize this product. Reuse, reprocessing, or resterilization may compromise the structural integrity of the device and/or create a risk of contamination of the device, which could result in patient injury, illness, or death. The bioprosthesis size must be appropriate to fit the patient's anatomy. Proper sizing of the device is the responsibility of the physician. Refer to Instructions for Use for available sizes. Failure to implant a device within the sizing matrix could lead to adverse effects such as those listed below. Patients must present with access vessel diameters of ≥6 mm for the CoreValve system, ≥5 mm for the CoreValve Evolut R system when using Model ENVEOR-US, or ≥5.5 mm when using Model ENVEOR-N-US, or patients must present with an ascending aortic (direct aortic) access site ≥60 mm from the basal plane for both systems. Implantation of the bioprosthesis should be avoided in patients with aortic root angulation (angle between plane of aortic valve annulus and horizontal plane/vertebrae) of >30° for right subclavian/axillary access or >70° for femoral and left subclavian/axillary access. Use caution when using the subclavian/axillary approach in patients with a patent LIMA graft or patent RIMA graft. For direct aortic access, ensure the access site and trajectory are free of patent RIMA or a preexisting patent RIMA graft.

During Use For direct aortic and subclavian access procedures, care must be exercised when using the tip-retrieval mechanism to ensure adequate clearance to avoid advancement of the catheter tip through the bioprosthesis leaflets during device closure. For direct aortic access procedures, use a separate introducer sheath; do not use the EnVeo R InLine sheath. Adequate rinsing of the bioprosthesis with sterile saline, as described in the Instructions for Use, is mandatory before implantation. During rinsing, do not touch the leaflets or squeeze the bioprosthesis. If a capsule becomes damaged during loading or the capsule fails to close, replace the entire system (bioprosthesis, catheter, and CLS). Do not use a catheter with a damaged capsule. After a bioprosthesis has been inserted into a patient, do not attempt to reload that bioprosthesis on the same or any other catheter. AccuTrak DCS Only: During implantation, if resistance to deployment is encountered (e.g., the micro knob starts clicking or is tight or stuck), apply upward pressure to the macro slider while turning the micro knob. If the bioprosthesis still does not deploy, remove it from the patient and use another system. AccuTrak DCS Only: Once deployment is initiated, retrieval of the bioprosthesis from the patient (e.g., use of the catheter) is not recommended. Retrieval of a partially deployed valve using the catheter may cause mechanical failure of the delivery catheter system, aortic root damage, coronary artery damage, myocardial damage, vascular complications, prosthetic valve dysfunction (including device malposition), embolization, stroke, and/or emergent surgery. AccuTrak DCS Only: During deployment, the bioprosthesis can be advanced or withdrawn as long as annular contact has not been made. Once annular contact is made, the bioprosthesis cannot be advanced in the retrograde direction; if necessary, and the frame has only been deployed ≤2/3 of its length, the bioprosthesis can be withdrawn (repositioned) in the antegrade direction. However, use caution when moving the bioprosthesis in the antegrade direction. EnVeo R DCS Only: If a misload is detected, unsheath the bioprosthesis and examine the bioprosthesis for damage (for example, permanent frame deformation, frayed sutures, or valve damage). Do not attempt to reload a damaged bioprosthesis. Do not load the bioprosthesis onto the catheter more than 2 times or after it has been inserted into a patient. EnVeo R DCS Only: Use the deployment knob to deploy and recapture the bioprosthesis. Do not use the trigger for deploying or recapturing because it could cause inaccurate placement of the bioprosthesis. EnVeo R DCS Only: Once the radiopaque capsule marker band reaches the distal end of the radiopaque paddle attachment (point of no recapture), retrieval of the bioprosthesis from the patient is not recommended. Retrieval after the point of no recapture may cause mechanical failure of the delivery catheter system, aortic root damage, coronary artery damage, myocardial damage, vascular complications, prosthetic valve dysfunction (including device malposition), embolization, stroke, and/or emergent surgery. EnVeo R DCS Only: During deployment, the bioprosthesis can be advanced or withdrawn as long as annular contact has not been made. Once annular contact is made, the bioprosthesis cannot be advanced in the retrograde direction; recapture until the bioprosthesis is free from annular contact, and then reposition in the retrograde direction. If necessary, and the radiopaque capsule marker band has not yet reached the distal end of the radiopaque paddle attachment, the bioprosthesis can be withdrawn (repositioned) in the antegrade direction. However, use caution when moving the bioprosthesis in the antegrade direction. While the catheter is in the patient, ensure the guidewire is extending from the tip. Do not remove the guidewire from the catheter while the catheter is inserted in the patient. Use the handle of the delivery system to reposition the bioprosthesis. Do not use the outer catheter sheath. Once deployment is complete, repositioning of the bioprosthesis (e.g., use of a snare and/or forceps) is not recommended. Repositioning of a deployed valve may cause aortic root damage, coronary artery damage, myocardial damage, vascular complications, prosthetic valve dysfunction (including device malposition), embolization, stroke, and/or emergent surgery. Do not attempt to retrieve or to recapture (EnVeo DCS only) a bioprosthesis if any one of the outflow struts is protruding from the capsule. If any one of the outflow struts has deployed from the capsule, the bioprosthesis must be released from the catheter before the catheter can be withdrawn. Ensure the capsule is closed before catheter removal. When using a separate introducer sheath, if increased resistance is encountered when removing the catheter through the introducer sheath, do not force passage. Increased resistance may indicate a problem and forced passage may result in damage to the device and/or harm to the patient. If the cause of resistance cannot be determined or corrected, remove the catheter and introducer sheath as a single unit over the guidewire, and inspect the catheter and confirm that it is complete. Clinical long-term durability has not been established for the bioprosthesis. Evaluate bioprosthesis performance as needed during patient follow-up. Postprocedure, administer appropriate antibiotic prophylaxis as needed for patients at risk for prosthetic valve infection and endocarditis. Postprocedure, administer anticoagulation and/or antiplatelet therapy per physician/clinical judgment. Excessive contrast media may cause renal failure. Preprocedure, measure the patient's creatinine level. During the procedure, monitor contrast media usage. Conduct the procedure under fluoroscopy. The safety and efficacy of a CoreValve or CoreValve Evolut R bioprosthesis implanted within a transcatheter bioprosthesis have not been demonstrated. However, in the event that a CoreValve or CoreValve Evolut R bioprosthesis must be implanted within a transcatheter bioprosthesis to improve valve function, valve size and patient anatomy must be considered before implantation of the bioprosthesis to ensure patient safety (for example, to avoid coronary obstruction). In the event that valve function or sealing is impaired due to excessive calcification or incomplete expansion, a postimplant balloon dilatation of the bioprosthesis may improve valve function and sealing. To ensure patient safety, valve size and patient anatomy must be considered when selecting the size of the balloon used for dilatation. The balloon size chosen for dilatation should not exceed the diameter of the native aortic annulus or, for surgical bioprosthetic valves, the manufacturer's labeled inner diameter. Refer to the specific balloon catheter manufacturer's labeling for proper instruction on the use of balloon catheter devices. Note: Bench testing has only been conducted to confirm compatibility with NuMED Z-MED II™* Balloon Aortic Valvuloplasty catheters where CoreValve or CoreValve Evolut R bioprosthesis device performance was maintained after dilation. Data on File.

For EnVeo R DCS: For transfemoral access, use caution in patients who present with multiplanar curvature of the aorta, acute angulation of the aortic arch, an ascending aortic aneurysm, or severe calcification in the aorta and/or vasculature. If ≥2 of these factors are present, consider an alternative access route to prevent vascular complications. There will be some resistance when the catheter is advanced through the vasculature. If there is a significant increase in resistance, stop advancement and investigate the cause of the resistance (for example, magnify the area of resistance) before proceeding. Do not force passage. Forcing passage could increase the risk of vascular complications (for example, vessel dissection or rupture). Persistent force on the catheter can cause the catheter to kink, which could increase the risk of vascular complications (for example, vessel dissection or rupture).

POTENTIAL ADVERSE EVENTS Potential risks associated with the implantation of the CoreValve or CoreValve Evolut R transcatheter aortic valve may include, but are not limited to, the following: • death • myocardial infarction, cardiac arrest, cardiogenic shock, cardiac tamponade • coronary occlusion, obstruction, or vessel spasm (including acute coronary closure) • cardiovascular injury (including rupture, perforation, tissue erosion, or dissection of vessels, ascending aorta trauma, ventricle, myocardium, or valvular structures that may require intervention) • emergent surgical or transcatheter intervention (for example, coronary artery bypass, heart valve replacement, valve explant, percutaneous coronary intervention [PCI], balloon valvuloplasty) • prosthetic valve dysfunction (regurgitation or stenosis) due to fracture; bending (out-of-round configuration) of the valve frame; underexpansion of the valve frame; calcification; pannus; leaflet wear, tear, prolapse, or retraction; poor valve coaptation; suture breaks or disruption; leaks; mal-sizing (prosthesis-patient mismatch); malposition (either too high or too low)/malplacement • prosthetic valve migration/embolization • prosthetic valve endocarditis • prosthetic valve thrombosis • delivery catheter system malfunction resulting in the need for additional re-crossing of the aortic valve and prolonged procedural time • delivery catheter system component migration/embolization • stroke (ischemic or hemorrhagic), transient ischemic attack (TIA), or other neurological deficits • heart failure • cardiac failure or low cardiac output • ancillary device embolization • individual organ (for example, cardiac, respiratory, renal [including acute kidney failure]) or multi-organ insufficiency or failure • major or minor bleeding that may require transfusion or intervention (including life-threatening or disabling bleeding) • vascular access-related complications (eg, dissection, perforation, pain, bleeding, hematoma, pseudoaneurysm, irreversible nerve injury, compartment syndrome, arteriovenous fistula, stenosis) • mitral valve regurgitation or injury • conduction system disturbances (for example, atrioventricular node block, left-bundle branch block, asystole), which may require a permanent pacemaker • infection (including septicemia) • hypotension or hypertension • hemolysis • peripheral ischemia • bowel ischemia • abnormal lab values (including electrolyte imbalance) • allergic reaction to antiplatelet agents, contrast medium, or anesthesia • exposure to radiation through fluoroscopy and angiography • permanent disability.

Please reference the CoreValve and CoreValve Evolut R Instructions for Use for more information regarding indications, warnings, precautions and potential adverse events.

CAUTION Federal law (USA) restricts this device to sale by or on the order of a physician.

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UC201704294 EN 10/2016

AORTIC PERIPHERAL AND VENOUS PRODUCT CATALOGUE

AORTIC

PERIPHERAL

VENOUS

Medtronic
Further, Together

AORTIC CONTENTS

STENT GRAFTS

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STENT GRAFTS

Endurant™ II/IIs

AAA Stent Graft System

AORTIC

PERIPHERAL

VENOUS

Features*

Complete conformability, optimal seal

- M-shaped proximal stents provide wall apposition and a short sealing zone
- Suprarenal stent anchor pins provide secure fixation
- Limb stent and stent spacing reduce kinking

Total control, consistent precision

- Tip capture mechanism allows for precise positioning adjustments
- Back-end thumb wheel provides controlled release of the suprarenal stent and anchor pins
- Improved radiopacity provides increased visibility†
- Four proximal markers assist in accurate deployment
- E-shaped marker assists with A/P orientation

Durable build, dependable performance

- Ultra-high molecular weight polyethylene sutures are three times stronger than surgical sutures
- High-density multifilament polyester graft material provides low porosity
- Electropolished nitinol stents improve fatigue resistance

Expanded anatomical customization with Endurant™ IIs

- Endurant™ IIs complements the Endurant™ II AAA Stent Graft System

Low profile, easy access

- Low profile and hydrophilic coating enhance access and trackability
- Flexible, kink-resistant delivery system facilitates stent graft delivery

*Test data on file at Medtronic. Bench test results may not be indicative of clinical performance.

†Contralateral gate marker

Endurant™ II/IIs

AAA Stent Graft System

ENDURANT™ II PRODUCT CODE DESCRIPTION

ET	B	F	23	13	C	124	EE	18

Product Name
ET - Endurant™ II
ES - Endurant™ IIs

Device Configuration
B - Bifurcated
L - Contralateral Iliac Limb
E - Iliac Extension
C - Aortic Extension (Cuff)
T - Abdominal Tube
U - Aorto-Uni-Iliac (AUI)

Proximal Design
F - FreeFlo
W - Open Web

Proximal Graft Diameter

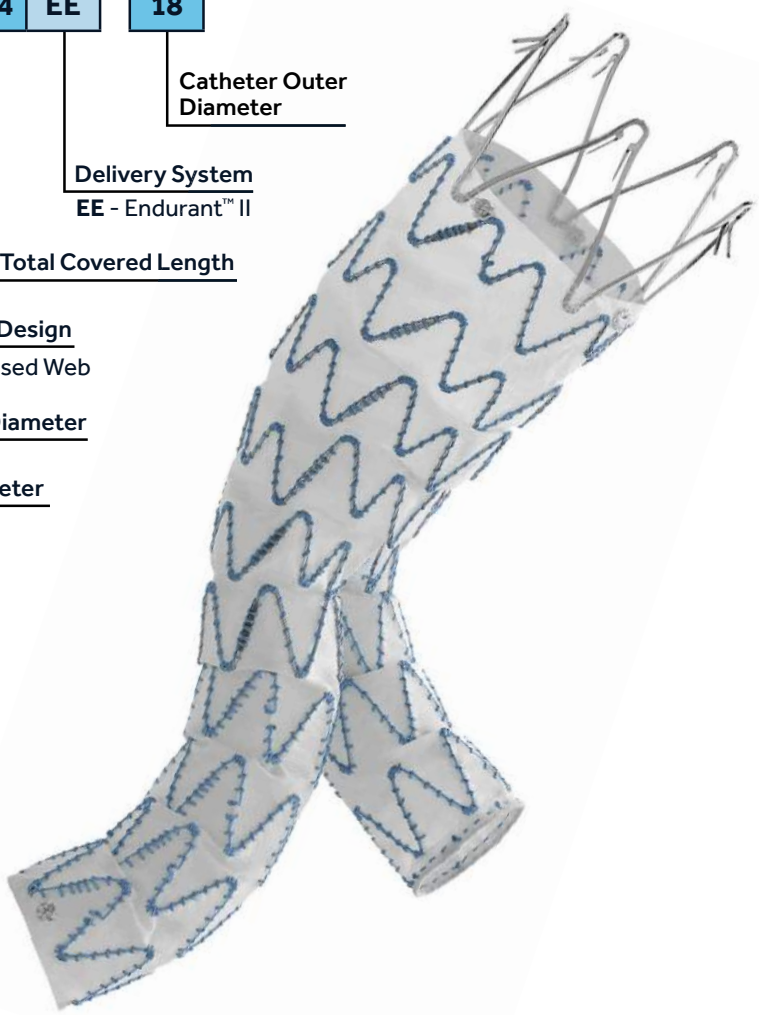
Distal Graft Diameter

Distal Design
C - Closed Web

Total Covered Length

Delivery System
EE - Endurant™ II

Catheter Outer Diameter



ENDURANT™ IIs BIFURCATIONS

	Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ESBF	23	14	C	103	EE	18
ESBF	25	14	C	103	EE	18
ESBF	28	14	C	103	EE	18
ESBF	32	14	C	103	EE	20
ESBF	36	14	C	103	EE	20

Endurant™ II/IIs

AAA Stent Graft System

ENDURANT™ II BIFURCATIONS

	Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETBF	23	13	C	124	EE	18
ETBF	23	13	C	145	EE	18
ETBF	23	13	C	166	EE	18
ETBF	23	16	C	124	EE	18
ETBF	23	16	C	145	EE	18
ETBF	23	16	C	166	EE	18
ETBF	25	13	C	124	EE	18
ETBF	25	13	C	145	EE	18
ETBF	25	13	C	166	EE	18
ETBF	25	16	C	124	EE	18
ETBF	25	16	C	145	EE	18
ETBF	25	16	C	166	EE	18
ETBF	28	13	C	124	EE	18
ETBF	28	13	C	145	EE	18
ETBF	28	13	C	166	EE	18
ETBF	28	16	C	124	EE	18
ETBF	28	16	C	145	EE	18
ETBF	28	16	C	166	EE	18
ETBF	28	20	C	124	EE	18
ETBF	28	20	C	145	EE	18
ETBF	28	20	C	166	EE	18
ETBF	32	16	C	124	EE	20
ETBF	32	16	C	145	EE	20
ETBF	32	16	C	166	EE	20
ETBF	32	20	C	124	EE	20
ETBF	32	20	C	145	EE	20
ETBF	32	20	C	166	EE	20
ETBF	36	16	C	145	EE	20
ETBF	36	16	C	166	EE	20
ETBF	36	20	C	145	EE	20
ETBF	36	20	C	166	EE	20

Endurant™ II/IIs

AAA Stent Graft System

LIMBS*

Product Code	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)	Total Contralateral Covered Length with EII / EIIs Bifurcated†	Total Ipsilateral Covered Length with EIIs Bifurcated‡
ETLW	16	10	C	82	EE	14	136	155
ETLW	16	10	C	93	EE	14	147	166
ETLW	16	10	C	124	EE	14	178	177–197
ETLW	16	10	C	156	EE	16	210	209–229
ETLW	16	10	C	199	EE	16	253	252–272
ETLW	16	13	C	82	EE	14	136	155
ETLW	16	13	C	93	EE	14	147	166
ETLW	16	13	C	124	EE	14	178	177–197
ETLW	16	13	C	156	EE	16	210	209–229
ETLW	16	13	C	199	EE	16	253	252–272
ETLW	16	16	C	82	EE	14	136	135–155
ETLW	16	16	C	93	EE	14	147	146–166
ETLW	16	16	C	124	EE	14	178	177–197
ETLW	16	16	C	156	EE	16	210	209–229
ETLW	16	16	C	199	EE	16	253	252–272
ETLW	16	20	C	82	EE	16	136	155
ETLW	16	20	C	93	EE	16	147	166
ETLW	16	20	C	124	EE	16	178	177–197
ETLW	16	20	C	156	EE	16	210	209–229
ETLW	16	20	C	199	EE	16	253	252–272
ETLW	16	24	C	82	EE	16	136	155
ETLW	16	24	C	93	EE	16	147	166
ETLW	16	24	C	124	EE	16	178	177–197
ETLW	16	24	C	156	EE	16	210	209–229
ETLW	16	24	C	199	EE	16	253	252–272
ETLW	16	28	C	82	EE	16	136	155
ETLW	16	28	C	93	EE	16	147	166
ETLW	16	28	C	124	EE	16	178	177–197
ETLW	16	28	C	156	EE	16	210	209–229
ETLW	16	28	C	199	EE	16	253	252–272

* The limb mates with the AUI stent graft on the ipsilateral side.
† These calculations assume the minimum 30 mm overlap between the bifurcated stent graft and the contralateral iliac limb per the Endurant™ II Stent Graft System Instructions For Use (IFU) When using the 124 mm length bifurcated stent graft, subtract 10 mm from total contralateral covered length with Bifurcated.
‡ The 3 – 5 stent overlap is available only with select limbs. Please refer to the Instructions For Use for more information. The contralateral iliac limb per the Endurant™ II Stent Graft System Instructions. For Use. When using the 124 mm length bifurcated stent graft, subtract 10 mm from total contralateral covered length with Bifurcated.

Endurant™ II/IIs

AAA Stent Graft System

ILIAC EXTENSIONS

	Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETEW	10	10	C	82	EE	14
ETEW	13	13	C	82	EE	14
ETEW	20	20	C	82	EE	16
ETEW	24	24	C	82	EE	16
ETEW	28	28	C	82	EE	18

AORTIC EXTENSIONS

	Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETCF	23	23	C	49	EE	18
ETCF	25	25	C	49	EE	18
ETCF	28	28	C	49	EE	18
ETCF	32	32	C	49	EE	20
ETCF	36	36	C	49	EE	20

ABDOMINAL TUBES

	Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETTF	23	23	C	70	EE	18
ETTF	25	25	C	70	EE	18
ETTF	28	28	C	70	EE	18
ETTF	32	32	C	70	EE	20
ETTF	36	36	C	70	EE	20

AUI

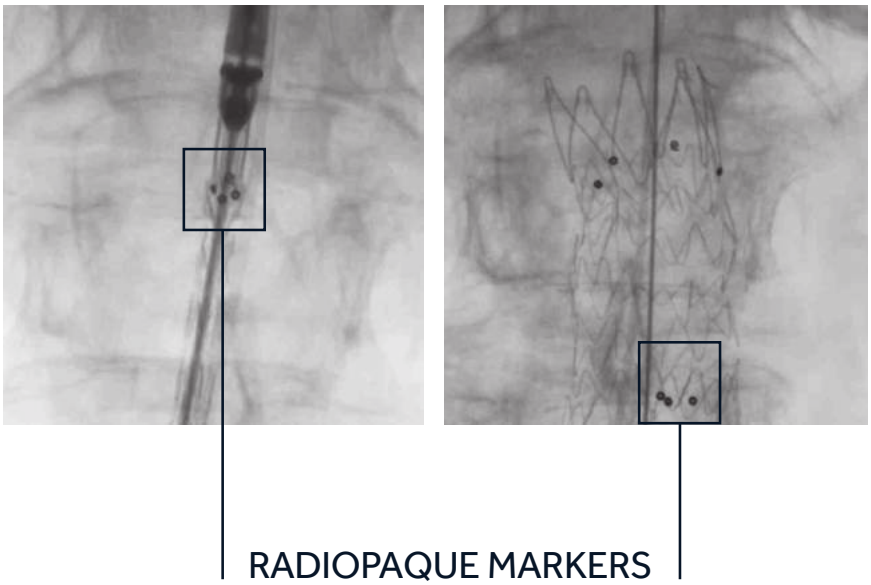
	Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETUF	23	14	C	102	EE	18
ETUF	25	14	C	102	EE	18
ETUF	28	14	C	102	EE	18
ETUF	32	14	C	102	EE	20
ETUF	36	14	C	102	EE	20

Endurant™ II/IIs

AAA Stent Graft System

PLACEMENT AND SIZING GUIDELINES

Use the proximal radiopaque markers to position the top edge of the graft material.



For the contralateral side: The radiopaque markers at the proximal limb should be aligned with the radiopaque markers at the flow divider of the Endurant™ II or Endurant™ IIs bifurs.

For the ipsilateral side: Depending on the limb configuration used, the radiopaque markers at the proximal end of the limb should be aligned to the distal radiopaque marker on the ipsilateral leg or the flow divider marker of the Endurant™ IIs bifur.

Select limbs will allow a 3-5 stent overlap adjustment during the case.

Please refer to the Instructions for Use for more information as needed.

Endurant™ II/IIs

AAA Stent Graft System

ENDURANT™ II/IIS STENT GRAFT SIZING GUIDELINES

Proximal Aortic Diameter (mm)		Proximal Stent Graft Size
Standard EVAR*	ChEVAR†	
19 - 20	n/a	23
21 - 22	19 - 20	25
23 - 25	21 - 23	28
26 - 28	24 - 26	32
29 - 32	27 - 30	36

Distal Iliac Diameter (mm)	Distal Stent Graft Size
8 - 9	10
10 - 11	13
12 - 14	16
15 - 18	20
19 - 22	24
23 - 25	28

Each Endurant™ II / IIs AAA Stent Graft System must be ordered in a size that is appropriate to fit the patient's anatomy.

Proper sizing of the Endurant™ II AAA Stent Graft System is the responsibility of the physician.

The above suggestions for stent graft diameters are based on vessel inner wall measurements.

*EVAR: Bifurs, Cuff, AUI, Tube configuation
†Limb. Iliac Extension configuration

Talent™ Occluder

Endovascular Occluder

Occluder Stent Graft

Double spring configuration

- Securely anchors in the iliac artery to seal the lumen and to prevent retrograde blood flow

Expand your options

- The Occluder is a less invasive option to surgical ligation and is reported to have better results than coil embolization*

*Kato, et al. Use of a self-expanding vascular occluder for embolization during endovascular aortic aneurysm repair. JVIR 8:27–33, 1997.

Talent™ Occluder

Endovascular Occluder

TALENT OCCLUDER / PRODUCT CODE DESCRIPTION

OCL | **8**

Proximal / Distal Diameter

Device Configuration

OCL- Occluder

Product Code

	Proximal / Distal Diameter (mm)	Total Length (mm)	Catheter Diameter (F)
OCL	8	31	17.5
OCL	10	31	17.5
OCL	12	31	17.5
OCL	14	33	17.5
OCL	16	33	17.5
OCL	18	33	17.5
OCL	20	35	17.5
OCL	22	35	17.5
OCL	24	35	17.5

■ RADIOPAQUE MARKERS

OCCLUDER SYSTEM COMPONENT

Native Vessel (mm)	Suggested Stent Graft Diameter (mm)	Oversizing (mm)
19–20	24	4–5
18	22	4
16–17	20	3–4
14–15	18	3–4
13	16	3
11–12	14	2–3
9–10	12	2–3
7–8	10	2–3
6	8	2

Valiant Navion™

Thoracic Stent Graft System

AORTIC

PERIPHERAL

VENOUS

The freedom to do more

Low profile, easy-to-use delivery system designed for expanded access with smooth navigation

Features

Delivery System

- Tip Capture: for controlled delivery and deployment on both FreeFlo and CoveredSeal configurations
- Designed for simplified navigation: flexible, kink-resistant hydrophilic-coated catheter
- Shorter tapered tip designed to decrease vessel impact

Stent Graft

- Multi-filament thoracic graft material based on Endurant™ stent graft yarn designed for flexibility and superior permeability resistance
- Aligned stent peaks and valleys designed for increased flexibility throughout the stent graft
- Increased distance between stents designed to optimize migration resistance and conformability

Proven Platforms

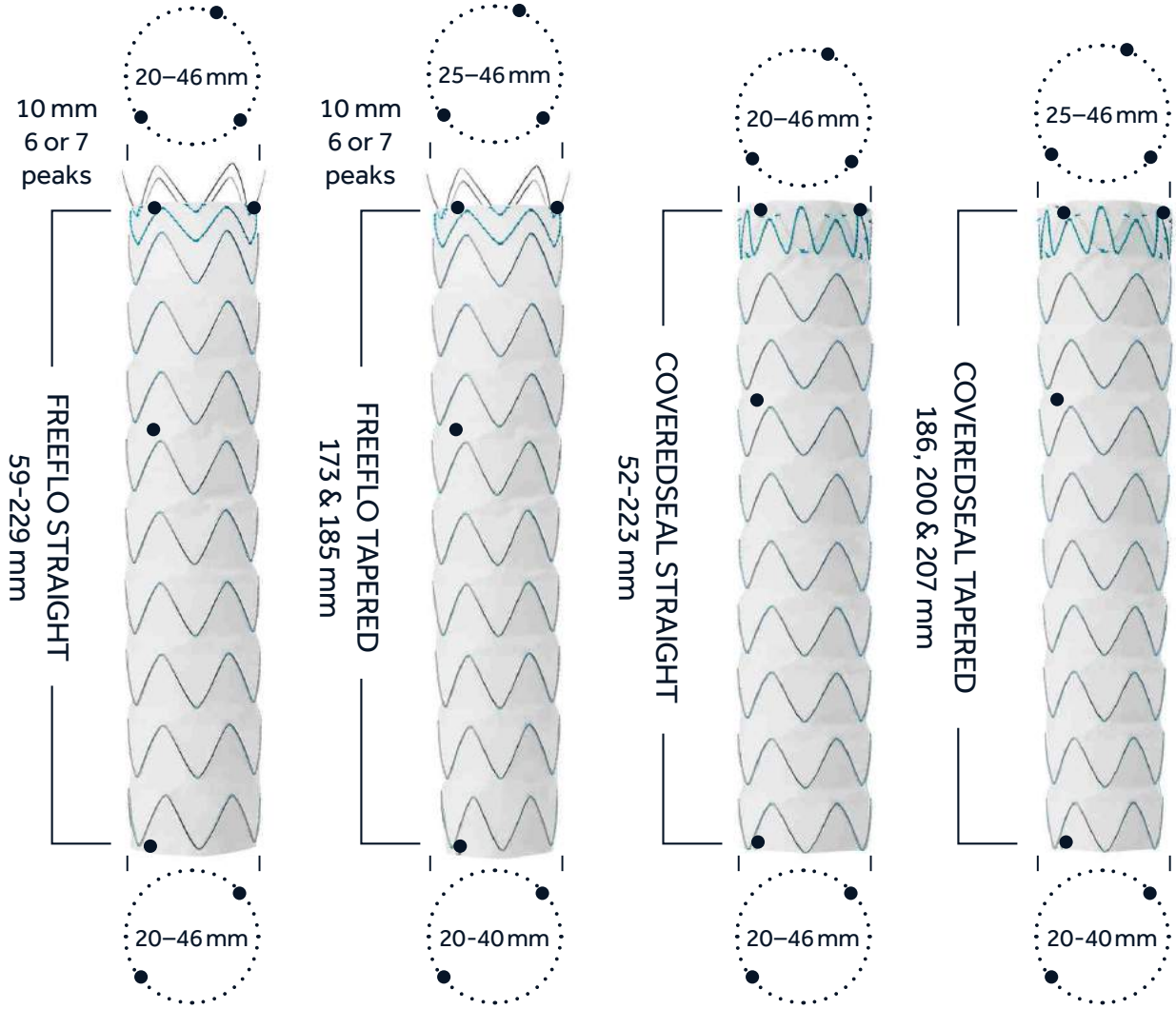
- Leverages proven design of the Valiant™ and Endurant™ stent graft system platforms
- 100K+ thoracic and 300K abdominal patients treated*
- Over 20 years of endovascular experience with deep clinical history

* Data on file at Medtronic.

Valiant Navion™

Thoracic Stent Graft System

COMPONENT GUIDE



DISTINCT RADIOPAQUE MARKER

- Spherical RO Marker

AORTIC

PERIPHERAL

VENOUS

Valiant Navion™

Thoracic Stent Graft System

Each Valiant Navion™ thoracic stent graft device must be ordered in a size appropriate to fit the patient's anatomy. Proper sizing of the Valiant Navion™ thoracic stent graft is the responsibility of the physician.

ANEURYSMS OR PENETRATING ULCERS (PAU):
Oversize the aortic portion of the stent graft by 3 to 7 mm, as appropriate for the patient.
The following table is provided as a guideline:

ANEURYSMS OR PAU

Native Vessel (mm)	Suggested Stent Graft Diameter (mm)	Oversizing (mm)
16	20	4
17	20	3
18	22	4
19	22	3
20	25	5
21	25	4
22	25	3
23	28	5
24	28	4
25	28	3
26	31	5
27	31	4
28	31	3
28	34	6
29	34	5
30	34	4
31	34	3
30	37	7
31	37	6
32	37	5
33	37	4
33	40	7
34	40	6
35	40	5
36	40	4
36	43	7
37	43	6
38	43	5
39	43	4
39	46	7
40	46	6
41	46	5
42	46	4

Valiant Navion™

Thoracic Stent Graft System

DISSECTION

Native Vessel (mm)	Suggested Stent Graft Diameter (mm)	Oversizing (mm)
19	20	1
20	22	2
21	22	1
22	22	0
23	25	2
24	25	1
25	25	0
26	28	2
27	28	1
28	28	0
29	31	2
30	31	1
31	34	3
32	34	2
33	34	1
34	37	3
35	37	2
36	37	1
37	40	3
38	40	2
39	40	1
39	43	4
40	43	3
41	43	2
42	43	1
42	46	4
43	46	3
44	46	2
45	46	1

DISSECTION:
Do not oversize the stent graft more than 10% of the healthy aorta nominal diameter. The following table is provided as a guideline.

FOR ADDITIONAL SECTIONS:
When the stent graft junction is located within the aneurysmal sac or is not supported by tissue, 6 mm oversizing between the primary component and additional section is recommended. In the case when a 20 mm stent graft is used as an outside component, the diameter of the inside component should be oversized by 5 mm relative to the outside component.
When the stent graft junction is supported by tissue (e.g., dissections), the stent graft should be oversized relative to the supporting native vessel.

BLUNT THORACIC AORTIC INJURY

Native Vessel (mm)	Suggested Stent Graft Diameter (mm)	Oversizing (mm)
16	20	4
17	20	3
18	22	4
19	22	3
20	22	2
20	25	5
21	25	4
22	25	3
23	25	2
23	28	5
24	28	4
25	28	3
26	28	2
26	31	5
27	31	4
28	31	3
29	31	2
28	34	6
29	34	5
30	34	4
31	34	3
32	34	2
30	37	7
31	37	6
32	37	5
33	37	4
34	37	3
35	37	2
33	40	7
34	40	6
35	40	5
36	40	4
37	40	3
38	40	2
36	43	7
37	43	6
38	43	5
39	43	4
40	43	3
41	43	2
39	46	7
40	46	6
41	46	5
42	46	4
43	46	3
44	46	2

Valiant Navion™

Thoracic Stent Graft System

VALIANT NAVION™ SYSTEM PRODUCT CODE DESCRIPTION

VN	M	C	22	22	C	100	TE	22

Product Name
VN - Valiant Navion™ System

Device Configuration
M - Main Stent Graft

Proximal Design
C - CoveredSeal
F - FreeFlo

Proximal Diameter

Distal Diameter

Distal Design

Nominal Stent Graft Covered Length

Delivery System
TE – Thoracic

Catheter Outer Diameter

AORTIC

PERIPHERAL

VENOUS

Valiant Navion™

Thoracic Stent Graft System

FREEFLO STRAIGHT

Product Code	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)		Stent Graft Covered Length (mm)		Catheter Outer Diameter (Fr)
VNMF	20	20	C	96	TE	18
VNMF	22	22	C	96	TE	18
VNMF	22	22	C	185	TE	18
VNMF	25	25	C	96	TE	18
VNMF	25	25	C	185	TE	18
VNMF	28	28	C	97	TE	20
VNMF	28	28	C	174	TE	20
VNMF	31	31	C	97	TE	20
VNMF	31	31	C	174	TE	20
VNMF	31	31	C	229	TE	20
VNMF	34	34	C	59	TE	20
VNMF	34	34	C	97	TE	20
VNMF	34	34	C	174	TE	20
VNMF	34	34	C	229	TE	20
VNMF	37	37	C	59	TE	20
VNMF	37	37	C	97	TE	20
VNMF	37	37	C	174	TE	20
VNMF	37	37	C	229	TE	20
VNMF	40	40	C	62	TE	22
VNMF	40	40	C	103	TE	22
VNMF	40	40	C	183	TE	22
VNMF	40	40	C	223	TE	22
VNMF	43	43	C	62	TE	22
VNMF	43	43	C	103	TE	22
VNMF	43	43	C	183	TE	22
VNMF	43	43	C	223	TE	22
VNMF	46	46	C	62	TE	22
VNMF	46	46	C	103	TE	22
VNMF	46	46	C	183	TE	22
VNMF	46	46	C	223	TE	22

Valiant Navion™

Thoracic Stent Graft System

FREEFLO TAPERED

	Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)		Stent Graft Covered Length (mm)		Catheter Outer Diameter (Fr)
VNMF	28	22	C	173	TE	20
VNMF	31	25	C	173	TE	20
VNMF	34	28	C	173	TE	20
VNMF	37	31	C	173	TE	20
VNMF	40	34	C	185	TE	22
VNMF	43	37	C	185	TE	22
VNMF	46	40	C	185	TE	22

Valiant Navion™

Thoracic Stent Graft System

COVEREDSEAL STRAIGHT

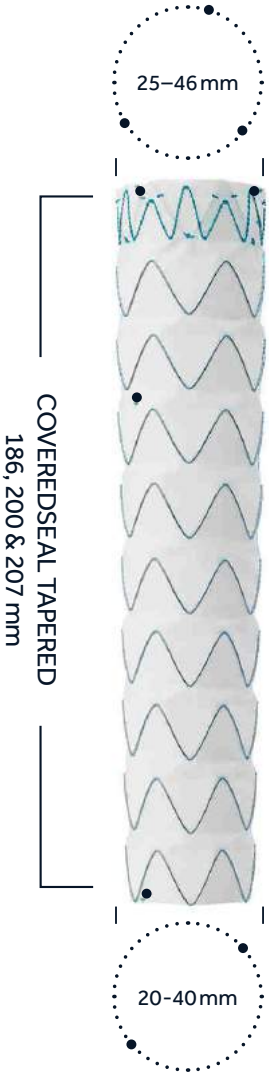
Product Code						
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)		Stent Graft Covered Length (mm)		Catheter Outer Diameter (Fr)
VNMC	20	20	C	94	TE	18
VNMC	22	22	C	94	TE	18
VNMC	22	22	C	180	TE	18
VNMC	25	25	C	94	TE	18
VNMC	25	25	C	180	TE	18
VNMC	28	28	C	90	TE	20
VNMC	28	28	C	182	TE	20
VNMC	31	31	C	90	TE	20
VNMC	31	31	C	182	TE	20
VNMC	31	31	C	223	TE	20
VNMC	34	34	C	52	TE	20
VNMC	34	34	C	90	TE	20
VNMC	34	34	C	182	TE	20
VNMC	34	34	C	223	TE	20
VNMC	37	37	C	52	TE	20
VNMC	37	37	C	90	TE	20
VNMC	37	37	C	182	TE	20
VNMC	37	37	C	223	TE	20
VNMC	40	40	C	55	TE	22
VNMC	40	40	C	95	TE	22
VNMC	40	40	C	175	TE	22
VNMC	40	40	C	218	TE	22
VNMC	43	43	C	55	TE	22
VNMC	43	43	C	95	TE	22
VNMC	43	43	C	175	TE	22
VNMC	43	43	C	218	TE	22
VNMC	46	46	C	55	TE	22
VNMC	46	46	C	95	TE	22
VNMC	46	46	C	175	TE	22
VNMC	46	46	C	218	TE	22

Valiant Navion™

Thoracic Stent Graft System

COVEREDSEAL TAPERED

Product Code						
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)		Stent Graft Covered Length (mm)		Catheter Outer Diameter (Fr)
VNMC	25	20	C	186	TE	18
VNMC	28	22	C	207	TE	20
VNMC	31	25	C	207	TE	20
VNMC	34	28	C	207	TE	20
VNMC	37	31	C	207	TE	20
VNMC	40	34	C	200	TE	22
VNMC	43	37	C	200	TE	22
VNMC	46	40	C	200	TE	22



AORTIC

PERIPHERAL

VENOUS

Valiant™ Captivia™

TAA Stent Graft System

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Features

Conformability delivered

- Sinusoidal shape and placement of nitinol springs provide flexibility and conformability
- Super-elastic nitinol springs exert active radial force to enhance seal and conformability

Confidence in control

- Tip capture provides controlled deployment and precise placement in the thoracic aorta
- Tip capture release handle provides simple turn-and-pull motion to release proximal stents

Advanced design*

- Proximal 8-Peak FreeFlo configuration evenly distributes radial force over multiple apices
- Platinum iridium Figur8 markers provide high visibility and assist deployment
- Broad selection of proximal and distal components treats a variety of patients

Optimized access

- Crossing profile is similar to or lower than other thoracic stent grafts
- Hydrophilic coating facilitates stent graft delivery
- Easy three-step deployment process

* Test data on file at Medtronic. Bench test results may not be indicative of clinical performance.

Valiant™ Captivia™

TAA Stent Graft System

VALIANT™ CAPTIVIA™ PRODUCT CODE DESCRIPTION

VA	M	F	22	22	C	100	TE	22	112

Product Name
VA - Valiant™

Device Configuration
M-Main Stent Graft

Proximal Design
C-Closed Web[1]
F-FreeFlo

Proximal Graft Diameter

Distal Graft Diameter

Distal Design
C-Closed Web[1]
B-Bare Spring

Nominal Stent Graft Covered Length

Delivery System
EE - Endurant™ II

Catheter Outer Diameter

Stent Graft Covered Length

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VENOUS

Valiant™ Captivia™

TAA Stent Graft System

PROXIMAL FREEFLO STRAIGHT

Product Code							
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design			Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMF	22	22	C	100	TE	22	112
VAMF	24	24	C	100	TE	22	112
VAMF	26	26	C	100	TE	22	112
VAMF	28	28	C	100	TE	22	117
VAMF	30	30	C	100	TE	22	117
VAMF	32	32	C	100	TE	22	117
VAMF	34	34	C	100	TE	24	107
VAMF	36	36	C	100	TE	24	107
VAMF	38	38	C	100	TE	24	107
VAMF	40	40	C	100	TE	24	107
VAMF	42	42	C	100	TE	25	112
VAMF	44	44	C	100	TE	25	112
VAMF	46	46	C	100	TE	25	112
VAMF	22	22	C	150	TE	22	152
VAMF	24	24	C	150	TE	22	152
VAMF	26	26	C	150	TE	22	152
VAMF	28	28	C	150	TE	22	157
VAMF	30	30	C	150	TE	22	157
VAMF	32	32	C	150	TE	22	157
VAMF	34	34	C	150	TE	24	167
VAMF	36	36	C	150	TE	24	167
VAMF	38	38	C	150	TE	24	167
VAMF	40	40	C	150	TE	24	167
VAMF	42	42	C	150	TE	25	157
VAMF	44	44	C	150	TE	25	157
VAMF	46	46	C	150	TE	25	162
VAMF	30	30	C	200	TE	22	192
VAMF	32	32	C	200	TE	22	192
VAMF	34	34	C	200	TE	24	212
VAMF	36	36	C	200	TE	24	207
VAMF	38	38	C	200	TE	24	207
VAMF	40	40	C	200	TE	24	212
VAMF	42	42	C	200	TE	25	207
VAMF	44	44	C	200	TE	25	212
VAMF	46	46	C	200	TE	25	212

Valiant™ Captivia™

TAA Stent Graft System

PROXIMAL FREEFLO TAPERED

Product Code	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design			Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMF	26	22	C	150	TE	22	152
VAMF	28	24	C	150	TE	22	157
VAMF	30	26	C	150	TE	22	157
VAMF	32	28	C	150	TE	22	157
VAMF	34	30	C	150	TE	24	167
VAMF	36	32	C	150	TE	24	167
VAMF	38	34	C	150	TE	24	167
VAMF	40	36	C	150	TE	24	167
VAMF	42	38	C	150	TE	25	157
VAMF	44	40	C	150	TE	25	157
VAMF	46	42	C	150	TE	25	162

	Proximal Spring (mm)	Spring #2 (mm)	Spring #3 (mm)	Spring #4 (mm)	Spring #5 (mm)	Spring #6 (mm)	Spring #7 (mm)	Spring #8 (mm)	Spring #9 (mm)
	8-Peak	5-Peak	5-Peak	5-Peak	5-Peak	5-Peak	5-Peak	5-Peak	8-Peak
40x36	40	40	40	38	38	38	36	36	36
38x34	38	38	38	36	36	36	34	34	34
36x32	36	36	36	34	34	34	32	32	32
34x30	34	34	34	32	32	32	30	30	30
32x28	32	32	32	30	30	30	28	28	28
30x26	30	30	30	28	28	28	26	26	26
28x24	28	28	28	26	26	26	24	24	24
26x22	26	26	26	24	24	24	22	22	22

	Proximal Spring (mm)	Spring #2 (mm)	Spring #3 (mm)	Spring #4 (mm)	Spring #5 (mm)	Spring #6 (mm)	Spring #7 (mm)	Spring #8 (mm)	N/A
	8-Peak	5-Peak	5-Peak	5-Peak	5-Peak	5-Peak	5-Peak	8-Peak	
46x42	46	46	46	44	44	44	42	42	
44x40	44	44	44	42	42	42	40	40	
42x38	42	42	42	40	40	40	38	38	

Valiant™ Captivia™

TAA Stent Graft System

CLOSED WEB STRAIGHT

Product Code							
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design			Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMC	22	22	C	100	TE	22	105
VAMC	24	24	C	100	TE	22	105
VAMC	26	26	C	100	TE	22	105
VAMC	28	28	C	100	TE	22	110
VAMC	30	30	C	100	TE	22	110
VAMC	32	32	C	100	TE	22	110
VAMC	34	34	C	100	TE	24	100
VAMC	36	36	C	100	TE	24	100
VAMC	38	38	C	100	TE	24	100
VAMC	40	40	C	100	TE	24	100
VAMC	42	42	C	100	TE	25	105
VAMC	44	44	C	100	TE	25	105
VAMC	46	46	C	100	TE	25	105
VAMC	22	22	C	150	TE	22	145
VAMC	24	24	C	150	TE	22	145
VAMC	26	26	C	150	TE	22	145
VAMC	28	28	C	150	TE	22	150
VAMC	30	30	C	150	TE	22	150
VAMC	32	32	C	150	TE	22	150
VAMC	34	34	C	150	TE	24	160
VAMC	36	36	C	150	TE	24	160
VAMC	38	38	C	150	TE	24	160
VAMC	40	40	C	150	TE	24	160
VAMC	42	42	C	150	TE	25	150
VAMC	44	44	C	150	TE	25	150
VAMC	46	46	C	150	TE	25	155
VAMC	30	30	C	200	TE	22	185
VAMC	32	32	C	200	TE	22	185
VAMC	34	34	C	200	TE	24	205
VAMC	36	36	C	200	TE	24	200
VAMC	38	38	C	200	TE	24	200
VAMC	40	40	C	200	TE	24	205
VAMC	42	42	C	200	TE	25	200
VAMC	44	44	C	200	TE	25	205
VAMC	46	46	C	200	TE	25	205

Valiant™ Captivia™

TAA Stent Graft System

CLOSED WEB TAPERED

	Product Code						
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design			Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMC	26	22	C	150	TE	22	150
VAMC	28	24	C	150	TE	22	150
VAMC	30	26	C	150	TE	22	150
VAMC	32	28	C	150	TE	22	150
VAMC	34	30	C	150	TE	24	160
VAMC	36	32	C	150	TE	24	160
VAMC	38	34	C	150	TE	24	160
VAMC	40	36	C	150	TE	24	160
VAMC	42	38	C	150	TE	25	150
VAMC	44	40	C	150	TE	25	150
VAMC	46	42	C	150	TE	25	155

	Proximal Spring (mm)	Spring #2 (mm)	Spring #3 (mm)	Spring #4 (mm)	Spring #5 (mm)	Spring #6 (mm)	Spring #7 (mm)	Spring #8 (mm)
	8-Peak	5-Peak	5-Peak	5-Peak	5-Peak	5-Peak	5-Peak	8-Peak
26x22	26	26	26	24	24	24	22	22
28x24	28	28	28	26	26	26	24	24
30x26	30	30	30	28	28	28	26	26
32x28	32	32	32	30	30	30	28	28
34x30	34	34	34	32	32	32	30	30
36x32	36	36	36	34	34	34	32	32
38x34	38	38	38	36	36	36	34	34
40x36	40	40	40	38	38	38	36	36

	Proximal Spring (mm)	Spring #2 (mm)	Spring #3 (mm)	Spring #4 (mm)	Spring #5 (mm)	Spring #6 (mm)	Spring #7 (mm)	N/A
	8-Peak	5-Peak	5-Peak	5-Peak	5-Peak	5-Peak	8-Peak	
42x38	42	42	42	40	40	40	38	
44x40	44	44	44	42	42	42	40	
46x42	46	46	46	44	44	44	42	

Valiant™ Captivia™

TAA Stent Graft System

DISTAL BARE SPRING STRAIGHT

	Product Code						
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design			Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMC	22	22	B	100	TE	22	112
VAMC	24	24	B	100	TE	22	112
VAMC	26	26	B	100	TE	22	112
VAMC	28	28	B	100	TE	22	117
VAMC	30	30	B	100	TE	22	117
VAMC	32	32	B	100	TE	22	117
VAMC	34	34	B	100	TE	24	107
VAMC	36	36	B	100	TE	24	107
VAMC	38	38	B	100	TE	24	107
VAMC	40	40	B	100	TE	24	107
VAMC	42	42	B	100	TE	25	112
VAMC	44	44	B	100	TE	25	112
VAMC	46	46	B	100	TE	25	112

Valiant™ Captivia™

TAA Stent Graft System

Each Valiant™ Thoracic Stent Graft with Captivia™ Delivery System must be ordered in a size appropriate to fit the patient's anatomy. Proper sizing of the Valiant™ Captivia™ Thoracic Stent Graft Delivery System is the responsibility of the physician.

ANEURYSMS, PENETRATING ULCERS, AND TRAUMATIC RUPTURES:
Oversize the aortic portion of the stent graft by 3 to 5 mm as appropriate for the patient. The following table is provided as a guideline:

Native Vessel (mm)	Suggested Stent Graft Diameter (mm)	Oversizing (mm)
18	22	4
19	22	3
20	24	4
21	24	3
22	26	4
24	26	3
25	28	4
25	30	5
26	30	4
27	30	3
27	32	5
28	32	4
29	32	3
29	34	5
30	34	4
31	34	3
31	36	5
32	36	4
33	38	5
34	38	4
35	40	5
36	40	4
37	42	5
38	42	4
39	44	5
40	44	4
41	46	5
42	46	4

Valiant™ Captivia™

TAA Stent Graft System

DISSECTION:
Do not oversize the stent graft by more than 10% of the healthy aorta nominal diameter. The following table is provided as a guideline:

Native Vessel (mm)	Suggested Stent Graft Diameter (mm)	Oversizing (mm)
20	22	2
21	22	1
22	24	2
23	24	1
24	26	2
25	26	1
26	28	2
27	28	1
28	30	2
29	32	3
30	32	2
31	34	3
32	34	2
33	36	3
34	36	2
35	38	3
36	38	2
37	40	3
38	40	2
39	42	3
40	42	2
40	44	4
41	44	3
42	44	2
42	46	4
43	46	3
44	46	2

FOR ADDITIONAL SECTIONS:
When the stent graft junction is located within the aneurismal sac or is not supported by tissue, a 4 mm oversizing between the primary component and additional section is recommended. When the stent graft junction is supported by tissue (e.g., dissections), recommendations listed above.

ENDOANCHOR™ SYSTEMS

AORTIC

PERIPHERAL

VENOUS

Heli-Fx™ / Heli-Fx™ TAA

AAA/TAA EndoAnchor™ System

AORTIC

PERIPHERAL

VENOUS

Tailor seal and fixation in your primary and revision Tevar cases

Stability of a surgical anastomosis

- Helical EndoAnchor™ implant designed to provide the stability of a surgical anastomosis

Enhanced sealing and fixation

- Enhances the inherent sealing and fixation mechanisms of an endograft

Simplified revisions

- Simplifies revision surgery for endograft migration and Type I endoleak

Precise and accurate placement

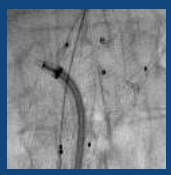
- Steerable guide for precise and accurate EndoAnchor™ implant placement

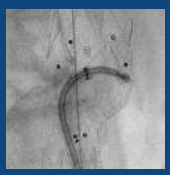
Intuitive and controlled deployment

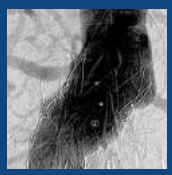
- Motorized, intuitive controls for precise placement of EndoAnchor™ implants

High visibility

- Excellent system and EndoAnchor™ implant radiopacity







Primary implantation of EndoAnchor™ implant with an Endurant™ bifurcated endograft in complex proximal neck anatomy.

Heli-Fx™ EndoAnchor™

AAA EndoAnchor™ System

RECOMMENDED HELI-FX™ GUIDE SELECTION

Aortic Inner Diameter (mm)	Deflected Tip Reach (mm)
18 - 28	22
28 - 32	28

ORDER INFORMATION

AAA Components	Product Catalogue Number
Heli-FX™ Guide, 22 mm	SG-64
Heli-FX™ Guide, 28 mm	HG-16-62-28
Heli-FX™ Applier and EndoAnchor™ Cassette (Contains 10 EndoAnchors)	SA-85

TECHNICAL SPECIFICATION

EndoAnchor™ Implant	Heli-FX™ Guide	Heli-FX™ Applier
3.0 mm diameter x 4.5 mm length	Two deflection-tip lengths address varying neck diameters	Battery-operated delivery device with visual and audio feedback
0.5 mm diameter MP35N-LT wire thickness	Unique radiopaque tip markers for 3D orientation	One-touch auto-loading of EndoAnchors
Atraumatic conical tip (similar to SH1 needle)	16 F OD	Two-stage EndoAnchor deployment allows placement confirmation and repositioning
Crossbar feature prevents over-penetration	62 cm working length	86 cm working length
	0.035" guidewire compatible	

Heli-Fx™ TAA

TAA EndoAnchor™ System

RECOMMENDED HELI-FX™ GUIDE SELECTION

Aortic Inner Diameter (mm)	Deflected Tip Reach (mm)
18-28	22
28-38	32
38-42	42

ORDER INFORMATION

TAA Components	Product Catalogue Number
Heli-FX™ Guide, 22 mm	HG-18-90-22
Heli-FX™ Guide, 32 mm	HG-18-90-32
Heli-FX™ Guide, 42 mm	HG-18-90-42
Heli-FX™ Applier and EndoAnchor™ Cassette (contains 10 EndoAnchors)	HA-18-114

TECHNICAL SPECIFICATIONS

EndoAnchor™ Implant	Heli-FX™ Guide	Heli-FX™ Applier
3.0 mm diameter x 4.5 mm length	Three deflected tip reach lengths address varying neck diameters	Battery-operated delivery device with visual and audio feedback
0.5 mm diameter MP35N-LT wire thickness	Unique radiopaque tip markers for 3D orientation	One-touch auto-loading of EndoAnchors
Atraumatic conical tip (similar to SH1 needle)	18 F OD	Two-stage EndoAnchor deployment allows placement confirmation and repositioning
Crossbar feature prevents over-penetration	90 cm working length	114 cm working length
	0.035" guidewire compatible	

ANCILLARY

Sentrant™

Introducer Sheath with Hydrophilic Coating

AORTIC

PERIPHERAL

VENOUS

EnsureSeal technology‡

- Optimal hemostasis versus competitive sheaths

Complex ready design

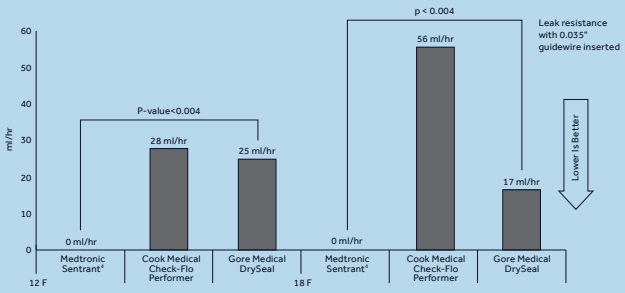
- Hydrophilic coating with flexibility for easier tracking through tortuous and calcified iliacs
- Coil reinforced for kink resistance

Improved procedural confidence

- Radiopaque marker for easy visibility
- Dilator locking feature secures desired position

‡Bench Test Data on file at Medtronic. Test data not indicative of clinical performance. Bench Test compared Cook Check-Flo™* Performer™* and Gore DrySeal 12F and 18F to Sentrant™ 12F and 18F.

Superior leak resistance versus Cook Check-Flo® Performer® and Gore Dryseal†



*Bench Test Data on file at Medtronic, Test data not indicative of clinical performance Bench Test compared Cook Check-Flo Performer and Gore DrySeal 12 F and 18 F to Sentrant™ 12 F and 18 F.

†Medtronic Sheath had zero leakage on 0.035" guidewire.

Sentrant™

Introducer Sheath With Hydrophilic Coating

ORDER INFORMATION

Product Catalogue Number	Inner Diameter Size (F)	Usable Length (cm)
SENSH1228W	12	28
SENSH1428W	14	28
SENSH1628W	16	28
SENSH1828W	18	28
SENSH2028W	20	28
SENSH2228W	22	28
SENSH2428W	24	28
SENSH2628W	26	28

THE CHOICE FOR SUPERIOR HEMOSTASIS

1. RADIOPAQUE MARKER BAND
2. HYDROPHILIC COATING
3. REINFORCED COILED TUBING
4. GUIDEWIRE DIAMETER: 0.035"
5. LOCKING MECHANISM ON DILATOR HANDLE

AORTIC

PERIPHERAL

VENOUS

Reliant™

Stent Graft Balloon Catheter

AORTIC

PERIPHERAL

VENOUS

Multiple purposes, single solution

Versatile design

- Widest range of inflation diameters in a single low profile balloon able to treat thoracic to iliacs (10 mm–46 mm)[2]
- Compatible with 12 F sheath

Reliable performance

- Consistent inflation and deflation time
- Stable expansion with minimum balloon overhang to reduce risk of vessel trauma
- Dependable expansion even after multiple inflations and deflations[3]

Improved conformability

- Expands kinks and smooths creases from the graft material
- Compliant balloon expansion

Clinical uses include:

- For use in thoracic, abdominal and iliac endograft procedures
- Endograft molding
- Apposition of endografts in seal zones
- Temporary aortic occlusion

[2] Reliant™ Stent Graft Balloon Catheter Instructions For Use, Cook Coda™* Balloon Catheter Instructions For Use, Gore Tri-Lobe™* Instructions For Use.

[3] Data on file Medtronic. Maximum of 20 inflations, deflations.

BALLOON INFLATION TABLE*

46 MM BALLOON

Diameter (mm)	Volume (cc)
10	3
20	9
30	19
40	41
46*	60

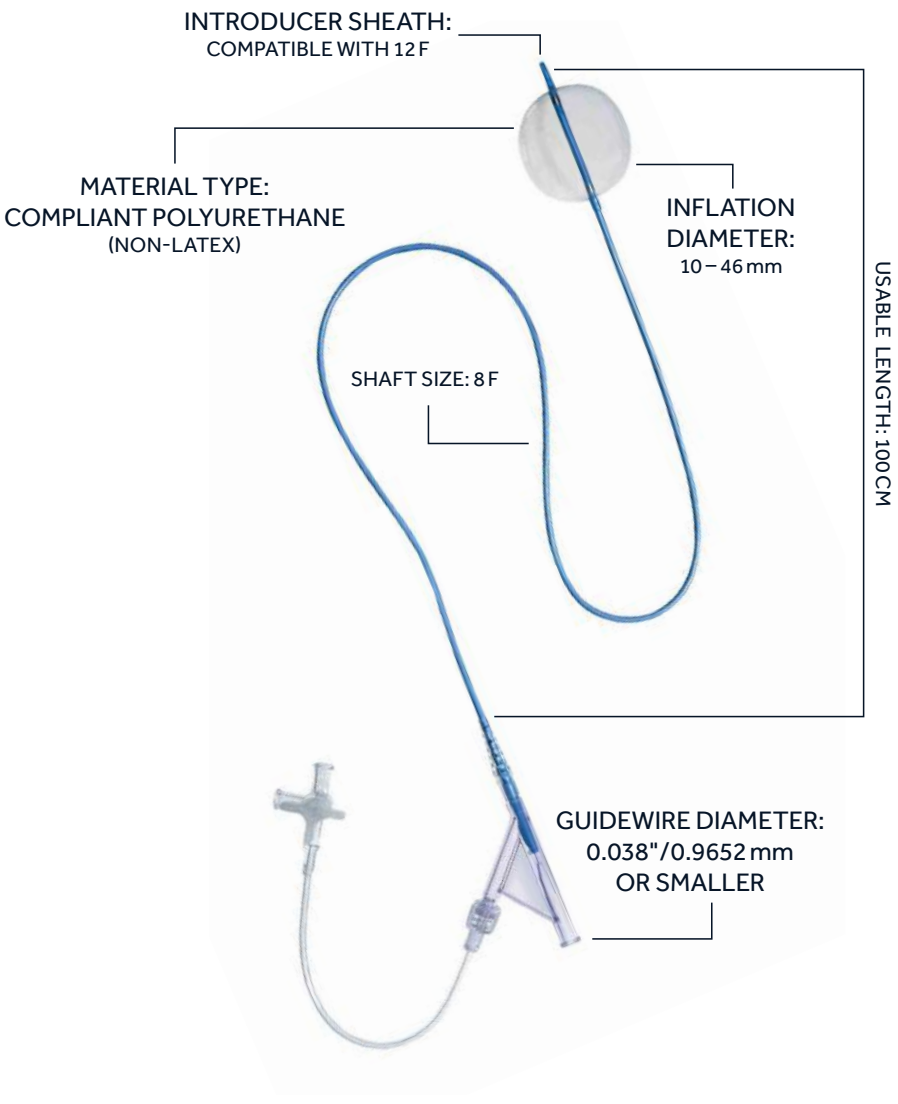
* CAUTION: This table is only a guide. Balloon expansion should be carefully monitored under fluoroscopy. Do not exceed maximum inflation diameter (46 mm). Rupture of balloon may occur.

Reliant™

Stent Graft Balloon Catheter

ORDER INFORMATION

Product Catalogue Number	Inflation Diameter (mm)	Shaft Size (F)	Usable Length (cm)	Sheath Compatibility (F)
REL46	10-46	8	100	12



TourGuide™

Steerable Sheath

AORTIC

PERIPHERAL

VENOUS

Dilator and tip†

- Facilitates sheath trackability, enabling the TourGuide™ Sheath to advance through indicated anatomy

Advanced catheter technology

- Provides the strength and conformability needed for delivering various interventional devices

Curve retention†

- Maintains desired deflection angle, providing a stable platform for delivering devices to the desired destination

Radiopaque tip†

- Provides excellent visualization during positioning, enabling accurate vessel access and potentially less manipulation

Hemostatic seal and flush port

- Maintains hemostasis and allows for manual fluid injection

Safety in mind†

- May reduce overall procedure time by minimizing multiple exchanges associated with different catheter selections

180° tip deflection†

- Physician-directed to deliver diagnostic and therapeutic devices to a wide variety of vessel take offs and difficult anatomical areas

Three working lengths

- Designed to access indicated areas to perform interventions

Inner diameter compatibility

- For use with interventional devices

Dilator

- With French size and guidewire indicator†

†Bench Test Data on file at Medtronic. Test data not indicative of clinical performance.

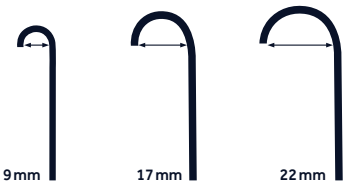
TourGuide™

Steerable Sheath

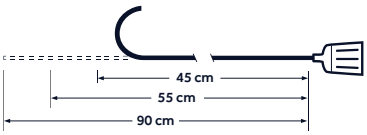
ORDER INFORMATION

Product Catalogue Number	Inner Diameter Size (F)	Useable Length (cm)	Deflection Length @ 180° (mm)	Outer Diameter Size (F)
TG0654509	6.5	45	9	8.5
TG0654517	6.5	45	17	8.5
TG0655509	6.5	55	9	8.5
TG0655517	6.5	55	17	8.5
TG0659009	6.5	90	9	8.5
TG0704509	7.0	45	9	9.5
TG0704517	7.0	45	17	9.5
TG0705509	7.0	55	9	9.5
TG0705517	7.0	55	17	9.5
TG0709009	7.0	90	9	9.5
TG0854517	8.5	45	17	12
TG0854522	8.5	45	22	12
TG0855517	8.5	55	17	12
TG0855522	8.5	55	22	12
TG0859017	8.5	90	17	12

ADJUSTABLE TIP DEFLECTION
May reduce overall procedure time by minimizing multiple exchanges associated with different catheter selections

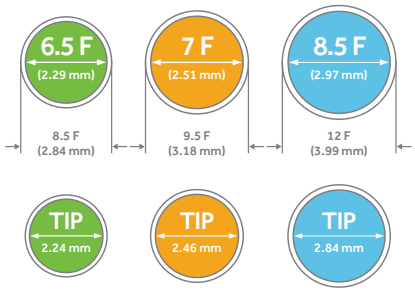


THREE WORKING LENGTHS
Can access most anatomic areas to perform peripheral interventions



DILATOR
With French size and guidewire indicator

INNER DIAMETER COMPATIBILITY
For use with peripheral interventional devices



AORTIC

PERIPHERAL

VENOUS

PERIPHERAL

DRUG COATED BALLOONS

AORTIC

PERIPHERAL

VENOUS

IN.PACT™ Admiral™

Paclitaxel-eluting PTA Balloon Catheter 0.035"

AORTIC

PERIPHERAL

VENOUS

TECHNICAL SPECIFICATIONS

Catheter design	Over the Wire (OTW)
Balloon coating	FreePac – Paclitaxel and Urea (Excipient)
Usable shaft lengths	40, 80 and 130 cm
Introducer sheath compatibility	5, 6, 7 and 9F
Max. recommended guidewire	0.035" depending on balloon size
Nominal pressure	8 atm

IN.PACT™ Admiral™

Paclitaxel-eluting PTA Balloon Catheter 0.035"

DURABLE

IN.PACT™ Admiral™ drug-eluting balloon demonstrates best-in-class clinical outcomes with durable performance through 3 years.

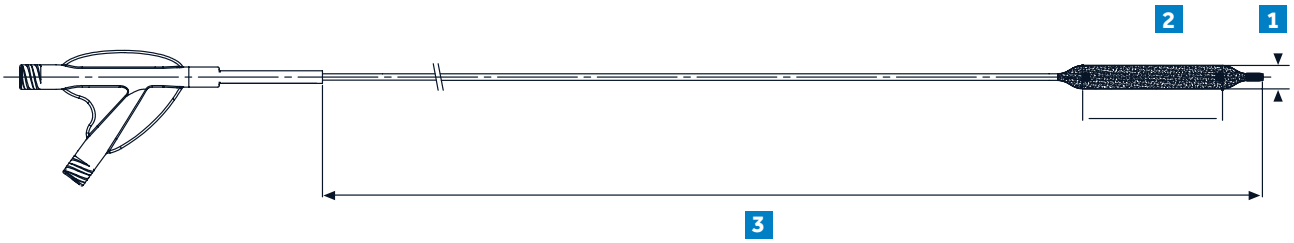
SAFE

IN.PACT™ Admiral™ drug-eluting balloon has an excellent safety profile, with superior results relative to PTA.

CONSISTENT

IN.PACT™ Admiral™ drug-eluting balloon demonstrates positive, consistent outcomes across trials, complex patients and lesion subgroups.

1 Balloon Diameter 2 Balloon Length 3 Usable Length



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VENOUS

IN.PACT™ Admiral™

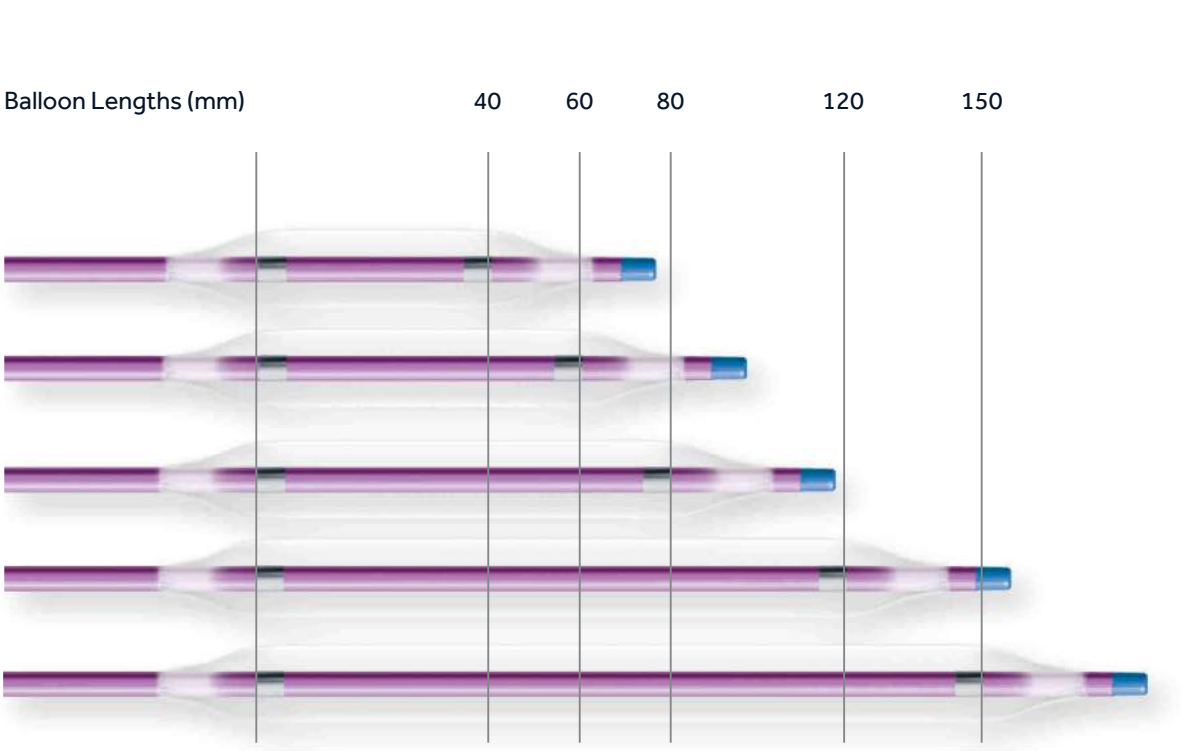
Paclitaxel-eluting PTA Balloon Catheter 0.035"

ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	RBP (atm)
Usable Length 40 cm	Usable Length 80 cm	Usable Length 130 cm				
SBI 040 040 04P	SBI 040 040 08P	SBI 040 040 13P	4	40	5	14
SBI 040 060 04P	SBI 040 060 08P	SBI 040 060 13P	4	60	5	14
SBI 040 080 04P	SBI 040 080 08P	SBI 040 080 13P	4	80	5	14
-	SBI 040 120 08P	SBI 040 120 13P	4	120	5	14
-	SBI 040 150 08P	SBI 040 150 13P	4	150	5	14
SBI 050 040 04P	SBI 050 040 08P	SBI 050 040 13P	5	40	6	14
SBI 050 060 04P	SBI 050 060 08P	SBI 050 060 13P	5	60	6	14
SBI 050 080 04P	SBI 050 080 08P	SBI 050 080 13P	5	80	6	14
-	SBI 050 120 08P	SBI 050 120 13P	5	120	6	14
-	SBI 050 150 08P	SBI 050 150 13P	5	150	6	14
SBI 060 040 04P	SBI 060 040 08P	SBI 060 040 13P	6	40	6	14
SBI 060 060 04P	SBI 060 060 08P	SBI 060 060 13P	6	60	6	14
SBI 060 080 04P	SBI 060 080 08P	SBI 060 080 13P	6	80	6	14
-	SBI 060 120 08P	SBI 060 120 13P	6	120	6	14
-	SBI 060 150 08P	SBI 060 150 13P	6	150	6	14
SBI 070 040 04P	SBI 070 040 08P	SBI 070 040 13P	7	40	7	14
SBI 070 060 04P	SBI 070 060 08P	SBI 070 060 13P	7	60	7	14
SBI 070 080 04P	SBI 070 080 08P	SBI 070 080 13P	7	80	7	14
SBI 080 040 04P	SBI 080 040 08P	SBI 080 040 13P	8	40	7	10
SBI 080 060 04P	SBI 080 060 08P	SBI 080 060 13P	8	60	7	10
SBI 080 080 04P	SBI 080 080 08P	SBI 080 080 13P	8	80	7	10
SBI 090 040 04P	SBI 090 040 08P	SBI 090 040 13P	9	40	7	10
SBI 090 060 04P	SBI 090 060 08P	SBI 090 060 13P	9	60	7	10
SBI 090 080 04P	SBI 090 080 08P	SBI 090 080 13P	9	80	7	10
SBI 100 040 04P	SBI 100 040 08P	SBI 100 040 13P	10	40	7	9
SBI 120 040 04P	SBI 120 040 08P	SBI 120 040 13P	12	40	9	9

IN.PACT™ Admiral™

Paclitaxel-eluting PTA Balloon Catheter 0.035"



IN.PACT™ Pacific™

Paclitaxel-eluting PTA Balloon Catheter 0.018"

AORTIC

PERIPHERAL

VENOUS

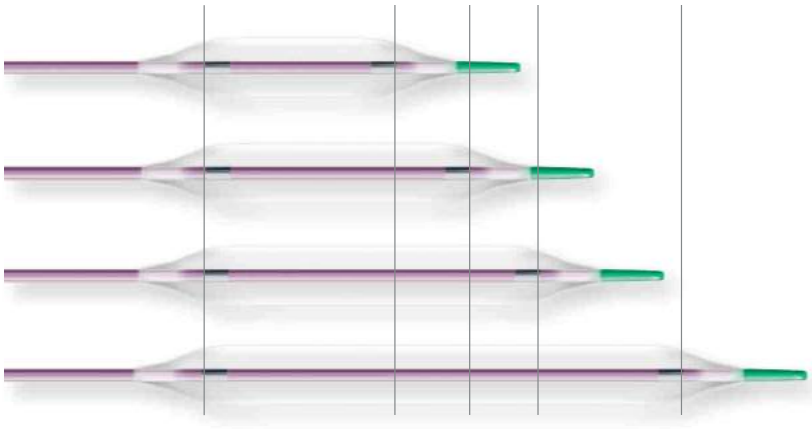
UNPARALLELED IN PERIPHERAL
TECHNICAL SPECIFICATIONS

Catheter design	Over the Wire (OTW)
Balloon coating	FreePac – Paclitaxel and Urea (Excipient)
Usable shaft lengths	90 and 130 cm
Introducer sheath compatibility	5 - 6 F depending on balloon size
Max. recommended guidewire	0.018"
Nominal pressure	7 atm

IN.PACT™ Pacific™

Paclitaxel-eluting PTA Balloon Catheter 0.018"

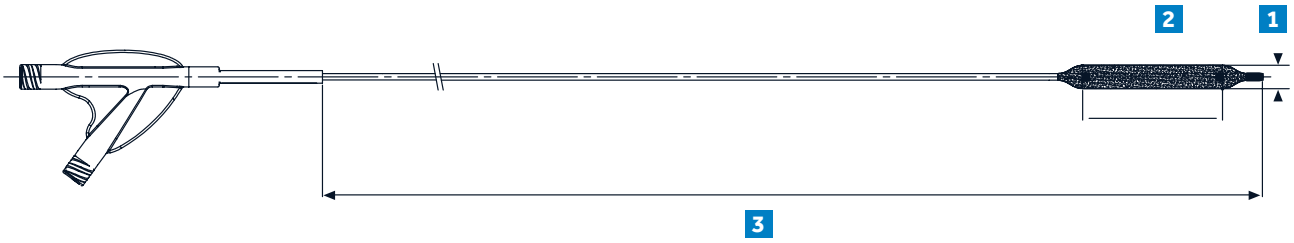
Balloon Lengths (mm) 40 60 80 120



Balloon Diameters
4, 5, 6, 7mm

4 5 6 7

1 Balloon Diameter 2 Balloon Length 3 Usable Length



IN.PACT™ Pacific™

Paclitaxel-eluting PTA Balloon Catheter 0.018"

ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	RBP (atm)
Usable Length 90 cm	Usable Length 130 cm				
PCF 040 040 09P	PCF 040 040 13P	4	40	5	20
PCF 040 060 09P	PCF 040 060 13P	4	60	5	14
PCF 040 080 09P	PCF 040 080 13P	4	80	5	14
PCF 040 120 09P	PCF 040 120 13P	4	120	5	14
PCF 050 040 09P	PCF 050 040 13P	5	40	5	20
PCF 050 060 09P	PCF 050 060 13P	5	60	5	14
PCF 050 080 09P	PCF 050 080 13P	5	80	5	14
PCF 050 120 09P	PCF 050 120 13P	5	120	5	14
PCF 060 040 09P	PCF 060 040 13P	6	40	5	16
PCF 060 060 09P	PCF 060 060 13P	6	60	5	14
PCF 060 080 09P	PCF 060 080 13P	6	80	5	14
PCF 060 120 09P	PCF 060 120 13P	6	120	5	14
PCF 070 040 09P	PCF 070 040 13P	7	40	6	12
PCF 070 060 09P	PCF 070 060 13P	7	60	6	12
PCF 070 080 09P	PCF 070 080 13P	7	80	6	12
PCF 070 120 09P	PCF 070 120 13P	7	120	6	12

AORTIC

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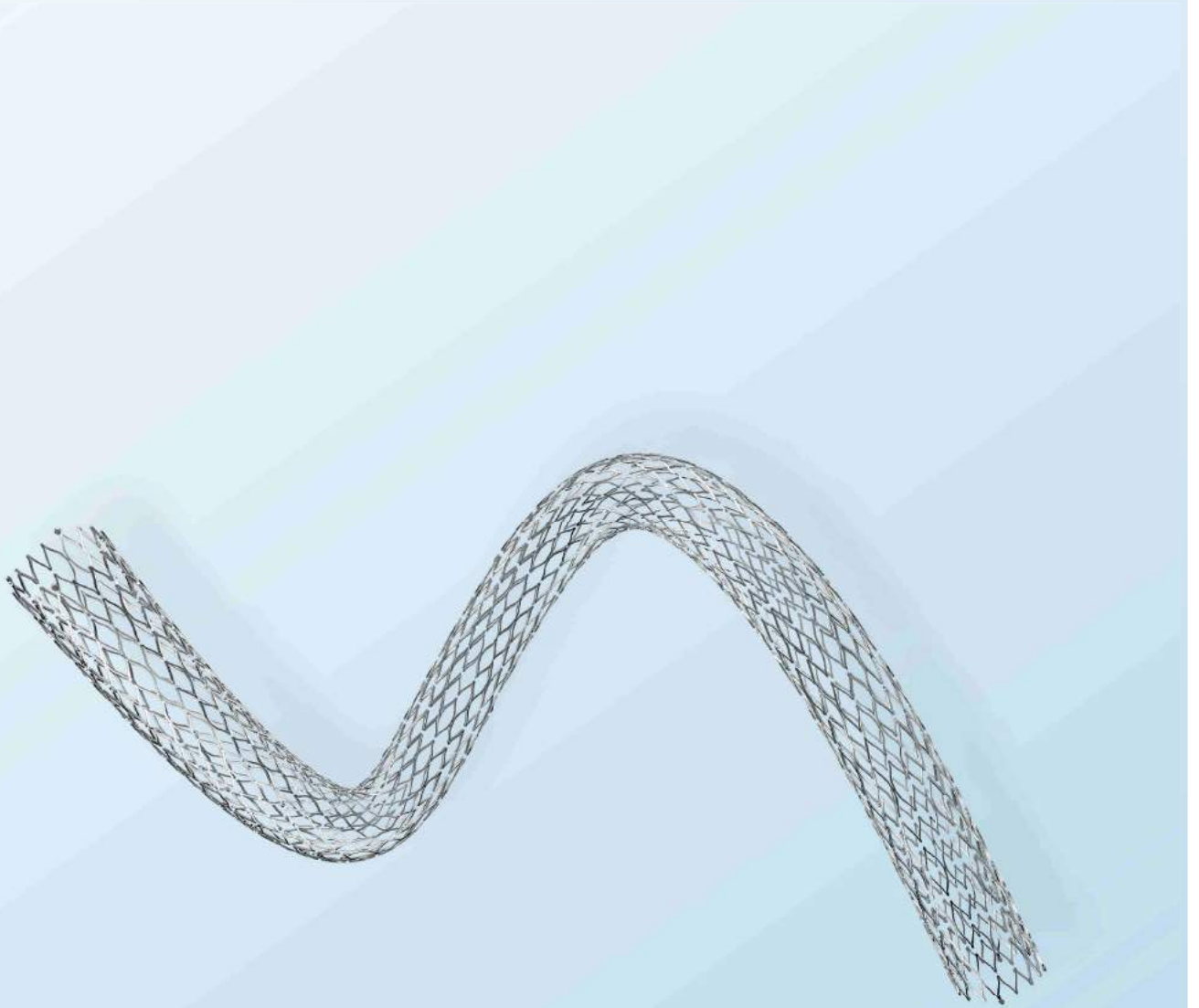
STENT SYSTEMS



Protégé™ Rx™

Carotid Self-Expanding Stent System

AORTIC

PERIPHERAL

VENOUS

The Protégé™ RX™ stent is the next generation stent designed for the anatomy of the carotid artery.

Protégé™ RX™ provides control and accurate placement for carotid interventions.

Predictable Deployment

- Proprietary EX.P.R.T.™ release technology essentially eliminates premature deployment or jumping
- No stent shortening
- Unique anatomically designed tapered stent for better fit in the carotid bifurcation
- 0.014" rapid exchange catheter with 6 F low crossing profile and flexible atraumatic tip
- Radiopaque marker on catheter clearly indicates tapered location for precise positioning

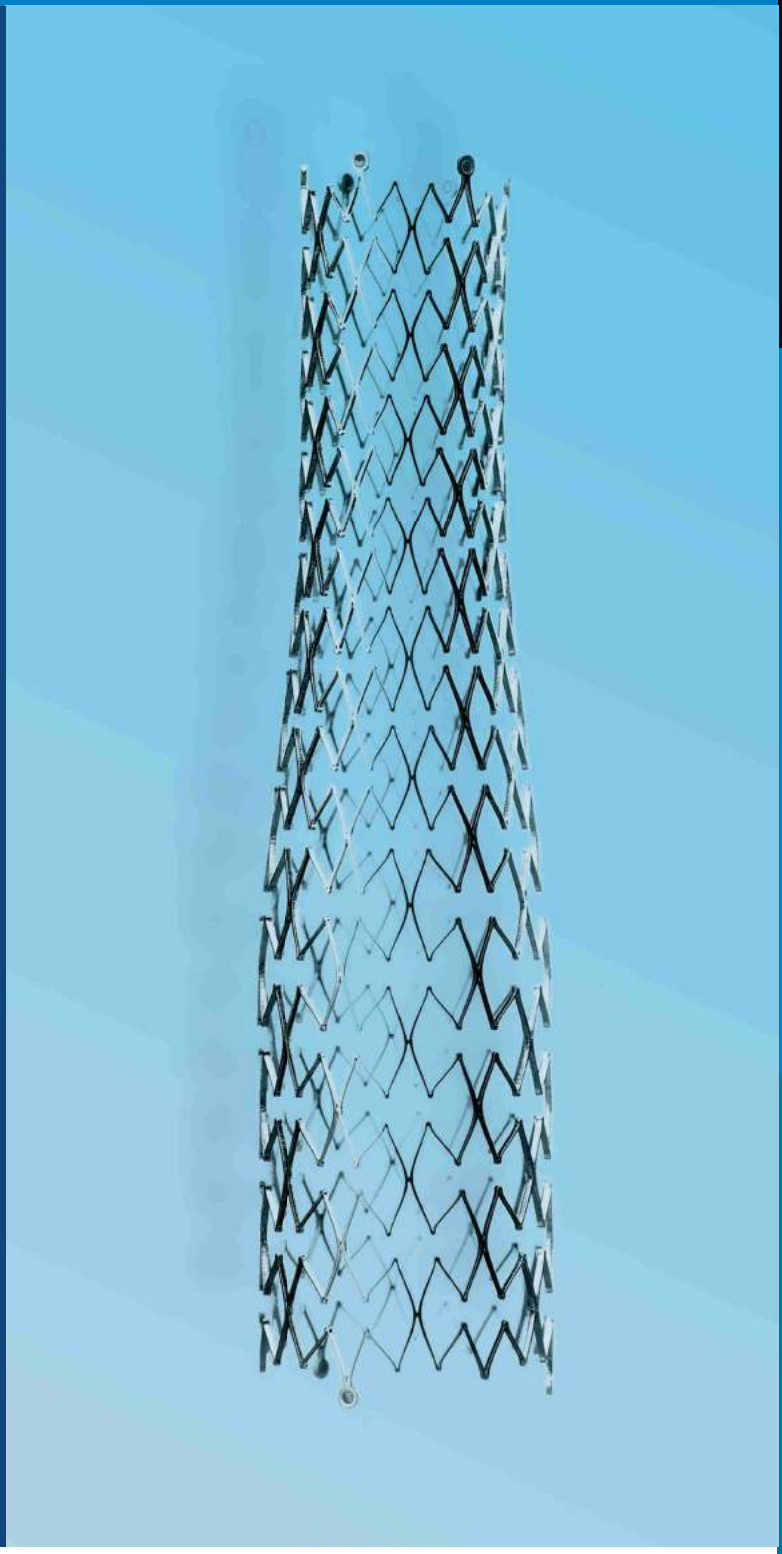
Visible Results

- Tantalum GPS™ markers enhance visibility for precise positioning and result confirmation
- Cell design produces expansion force that resists compression while providing excellent wall apposition
- Straight and tapered options for customized fit in carotid vessels

Protégé RX 6 Fr/0.014" Catheter Length 135cm

Each system includes:

One stent and delivery catheter system



Protégé™ Rx™

Carotid Self-Expanding Stent System

ORDER INFORMATION

Product Catalogue Number	Stent Dimensions		Recommended Sheath Size (F)	Recommended Guidewire (inch)	Crossing Profile (inch)
Catheter Length 135cm	Diameter (mm)	Length (mm)			
TAPERED					
SEPX-8-6-30-135	8x6	30	6	0.014	0.078
SEPX-8-6-40-135	8x6	40	6	0.014	0.078
SEPX-10-7-30-135	10x7	30	6	0.014	0.078
SEPX-10-7-40-135	10x7	40	6	0.014	0.078
STRAIGHT					
SEPX-6-20-135	6	20	6	0.014	0.078
SEPX-7-20-135	7	20	6	0.014	0.078
SEPX-8-20-135	8	20	6	0.014	0.078
SEPX-9-20-135	9	20	6	0.014	0.078
SEPX-10-20-135	10	20	6	0.014	0.078
SEPX-6-30-135	6	30	6	0.014	0.078
SEPX-7-30-135	7	30	6	0.014	0.078
SEPX-8-30-135	8	30	6	0.014	0.078
SEPX-9-30-135	9	30	6	0.014	0.078
SEPX-10-30-135	10	30	6	0.014	0.078
SEPX-6-40-135	6	40	6	0.014	0.078
SEPX-7-40-135	7	40	6	0.014	0.078
SEPX-8-40-135	8	40	6	0.014	0.078
SEPX-9-40-135	9	40	6	0.014	0.078
SEPX-10-40-135	10	40	6	0.014	0.078
SEPX-6-60-135	6	60	6	0.014	0.078
SEPX-7-60-135	7	60	6	0.014	0.078
SEPX-8-60-135	8	60	6	0.014	0.078
SEPX-9-60-135	9	60	6	0.014	0.078
SEPX-10-60-135	10	60	6	0.014	0.078

INDICATIONS: The Protégé™ RX™ is indicated for use in the iliac or subclavian arteries in the palliative treatment of malignant neoplasms in the biliary tree. It is also indicated for treatment of stenoses of the common carotid artery (CCA), internal carotid artery (ICA) and carotid bifurcation.

VisiPro™

Balloon-Expandable Peripheral Stent System

- Broad offering of 6 Fr-compatible 0.035" balloon-expandable stent with radiopaque marker technology for optimized visibility.
- Low crossing profile.
- Minimal shortening for placement confidence.

VisiPro™ catheter lengths
80 cm and 135 cm

Each system includes:

One stent and delivery catheter system

COMPLIANCE CHART

Diameter (mm)	Inflation Pressure (atm)				
	8	9	10	11	12
5.0	5.00[1]	5.09	5.16	5.22	5.28[2]
6.0	6.00[1]	6.11	6.22	6.31	6.39[2]
7.0			7.00[1]	7.09	7.17[2]
8.0			8.00[1]	8.15	8.26[2]
9.0			9.00[1]	9.15	9.28[2]
10.0			10.00[1]	10.11	10.21[2]

[1]Diameter at Nominal Pressure
[2]Diameter at Rated Burst Pressure

VisiPro™

Balloon-Expandable Peripheral Stent System

ORDER INFORMATION

Product Catalogue Number		Stent dimensions		Balloon Length (mm)	Recommended Sheath Size (F)	Recommended Guidewire (inch)	Crossing Profile (inch)
Catheter Length 80 cm	Catheter Length 135 cm	Diameter (mm)	Length (mm)				
PXP35-05-12-080							
PXP35-05-17-080	PXP35-05-17-135	5.0	17	20	6	0.035	0.079
PXP35-05-27-080	PXP35-05-27-135	5.0	27	30	6	0.035	0.079
PXP35-05-37-080	PXP35-05-37-135	5.0	37	40	6	0.035	0.079
PXP35-05-57-080	PXP35-05-57-135	5.0	57	60	6	0.035	0.079
PXP35-06-12-080		6.0	12	15	6	0.035	0.079
PXP35-06-17-080	PXP35-06-17-135	6.0	17	20	6	0.035	0.079
PXP35-06-27-080	PXP35-06-27-135	6.0	27	30	6	0.035	0.079
PXP35-06-37-080	PXP35-06-37-135	6.0	37	40	6	0.035	0.081
PXP35-06-57-080	PXP35-06-57-135	6.0	57	60	6	0.035	0.083
PXP35-07-12-080		7.0	12	15	6	0.035	0.079
PXP35-07-17-080	PXP35-07-17-135	7.0	17	20	6	0.035	0.079
PXP35-07-27-080	PXP35-07-27-135	7.0	27	30	6	0.035	0.079
PXP35-07-37-080	PXP35-07-37-135	7.0	37	40	6	0.035	0.081
PXP35-07-57-080	PXP35-07-57-135	7.0	57	60	6	0.035	0.083
PXP35-08-17-080	PXP35-08-17-135	8.0	17	20	6	0.035	0.083
PXP35-08-27-080	PXP35-08-27-135	8.0	27	30	6	0.035	0.083
PXP35-08-37-080	PXP35-08-37-135	8.0	37	40	6	0.035	0.083
PXP35-08-57-080	PXP35-08-57-135	8.0	57	60	6	0.035	0.084
PXP35-09-17-080	PXP35-09-17-135	9.0	17	20	7	0.035	0.088
PXP35-09-27-080	PXP35-09-27-135	9.0	27	30	7	0.035	0.088
PXP35-09-37-080	PXP35-09-37-135	9.0	37	40	7	0.035	0.088
PXP35-09-57-080	PXP35-09-57-135	9.0	57	60	7	0.035	0.088
PXP35-10-17-080	PXP35-10-17-135	10.0	17	20	7	0.035	0.092
PXP35-10-27-080	PXP35-10-27-135	10.0	27	30	7	0.035	0.092
PXP35-10-37-080	PXP35-10-37-135	10.0	37	40	7	0.035	0.092
PXP35-10-57-080	PXP35-10-57-135	10.0	57	60	7	0.035	0.092

Specifications Nominal
Balloon Expandable Peripheral Stent System is indicated for use in the iliac, renal or subclavian arteries, as well as malignant biliary use.

Protégé™ GPS™

Self-Expanding Stent System

The Protégé™ GPS™ stent system gives control for precise stent placement avoiding jumping of the stent through the EX.P.R.T.™ retention system.

Compact delivery

- Diameters up to 14 mm
- Full line is 6 F compatible

Precision

- Propietary EX.P.R.T.™ deployment system secures the stent to eliminate premature deployment or "jumping"
- Tantalum GPS markers enhance visibility for easier, precise positioning

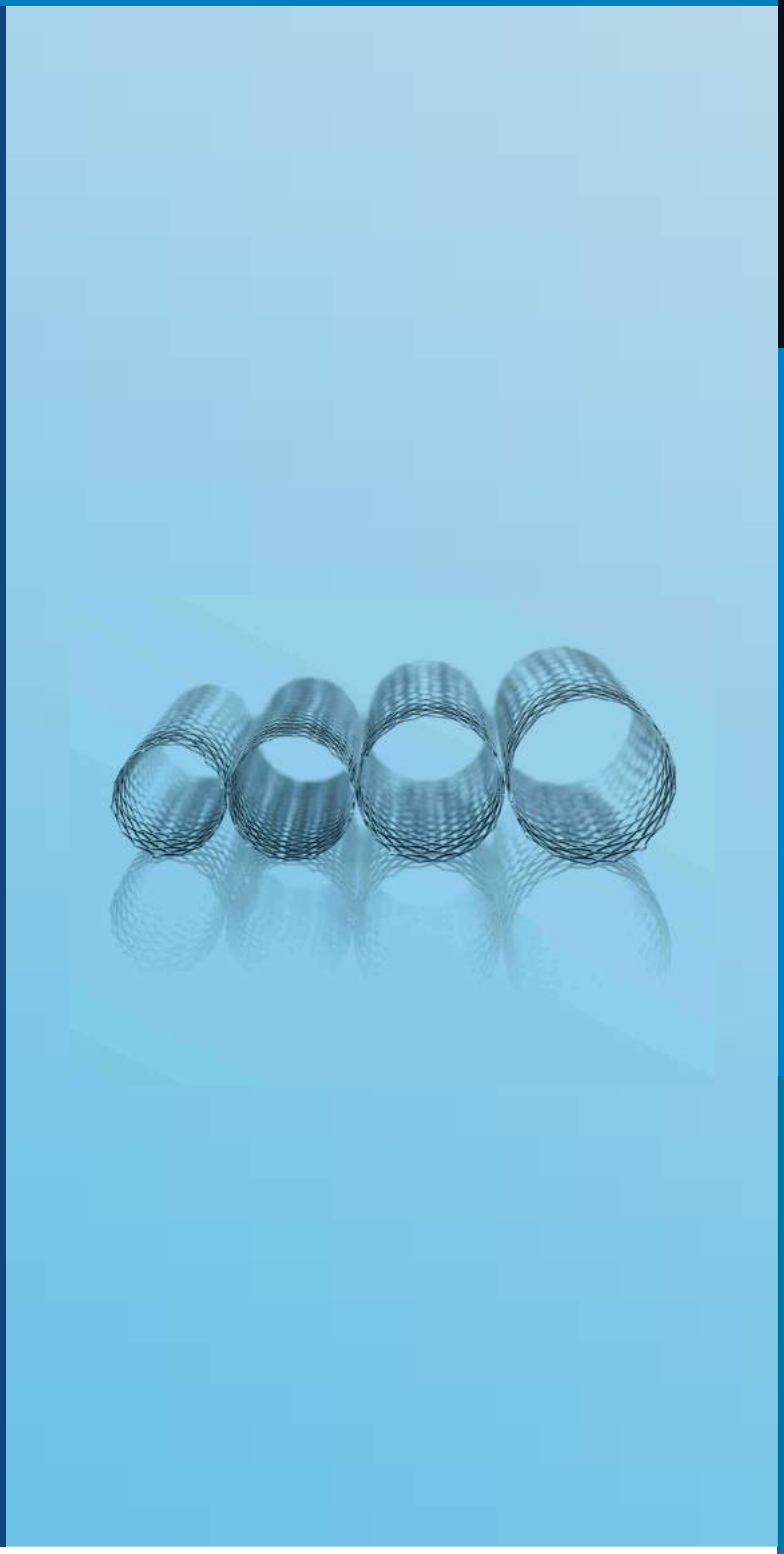
Radial strength and flexibility

- Designed for radial strength without sacrificing flexibility

Each system includes:

One stent and delivery catheter system

Protégé GPS catheter lengths 80 cm and 120 cm



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Protégé™ GPS™

Self-Expanding Stent System

ORDER INFORMATION

Product Catalogue Number		Stent Dimensions		Recommended		Recommended Guidewire (inch)	Crossing Profile (inch)
Catheter Length 80 cm	Catheter Length 120 cm	Diameter (mm)	Length (mm)	Lumen Size (mm)	Sheath Size (F)		
SERP65-09-20-80	SERP65-09-20-120	9	20	7.5 - 8.5	6	0.035	0.079
SERP65-09-30-80	SERP65-09-30-120	9	30	7.5 - 8.5	6	0.035	0.079
SERP65-09-40-80	SERP65-09-40-120	9	40	7.5 - 8.5	6	0.035	0.079
SERP65-09-60-80	SERP65-09-60-120	9	60	7.5 - 8.5	6	0.035	0.079
SERP65-09-80-80	SERP65-09-80-120	9	80	7.5 - 8.5	6	0.035	0.079
SERP65-10-20-80	SERP65-10-20-120	10	20	8.5 - 9.5	6	0.035	0.079
SERP65-10-30-80	SERP65-10-30-120	10	30	8.5 - 9.5	6	0.035	0.079
SERP65-10-40-80	SERP65-10-40-120	10	40	8.5 - 9.5	6	0.035	0.079
SERP65-10-60-80	SERP65-10-60-120	10	60	8.5 - 9.5	6	0.035	0.079
SERP65-10-80-80	SERP65-10-80-120	10	80	8.5 - 9.5	6	0.035	0.079
SERP65-12-20-80	SERP65-12-20-120	12	20	9.5 - 11.0	6	0.035	0.079
SERP65-12-30-80	SERP65-12-30-120	12	30	9.5 - 11.0	6	0.035	0.079
SERP65-12-40-80	SERP65-12-40-120	12	40	9.5 - 11.0	6	0.035	0.079
SERP65-12-60-80	SERP65-12-60-120	12	60	9.5 - 11.0	6	0.035	0.079
SERP65-12-80-80	SERP65-12-80-120	12	80	9.5 - 11.0	6	0.035	0.079
SERP65-14-20-80	SERP65-14-20-120	14	20	11.5 - 13.0	6	0.035	0.079
SERP65-14-30-80	SERP65-14-30-120	14	30	11.5 - 13.0	6	0.035	0.079
SERP65-14-40-80	SERP65-14-40-120	14	40	11.5 - 13.0	6	0.035	0.079
SERP65-14-60-80	SERP65-14-60-120	14	60	11.5 - 13.0	6	0.035	0.079
SERP65-14-80-80	SERP65-14-80-120	14	80	11.5 - 13.0	6	0.035	0.079

Specifications Nominal
INDICATIONS: The Protégé™ GPS™ stent is indicated for use in the iliac or subclavian arteries and malignant biliary use.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device.
Protected under one or more of the following: US Patent 6,814,746; 6,749,627; 6,623,518; 6,623,491; 6,558,415; 6,358,274; 6,132,460; D458,679. Non-US Patent pending.
Product availability and/or specifications subject to change.

EverFlex™

Self-Expanding Stent System

The EverFlex™ self-expanding peripheral stent system is a self-expanding nitinol stent system.

The spiral-cell interconnecting design significantly improves flexibility and vessel conformability, without sacrificing radial strength. Excellent wall apposition and compression resistance is provided by the three-wave peak design.

Spiral cell connection

- Peak-to-peak connection nodes to disperse force uniformly

Flexible design

- Improves fracture resistance and restores vessel patency

Three-wave peak design

- Designed to resist compression and provide wall apposition

EverFlex™ catheter lengths:80 cm and 120 cm

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EverFlex™

Self-Expanding Stent System

ORDER INFORMATION

Product Catalogue Number		Stent Dimensions		Recommended		Recommended Guidewire (inch)	Crossing Profile (inch)
Catheter Length 80 cm	Catheter Length 120 cm	Diameter (mm)	Length (mm)	Lumen Size (mm)	Sheath Size (F)		
PRP35-05-020-080	PRP35-05-020-120	5	20	3.5 - 4.5	6	0.035	0.079
PRP35-05-030-080	PRP35-05-030-120	5	30	3.5 - 4.5	6	0.035	0.079
PRP35-05-040-080	PRP35-05-040-120	5	40	3.5 - 4.5	6	0.035	0.079
PRP35-05-060-080	PRP35-05-060-120	5	60	3.5 - 4.5	6	0.035	0.079
PRP35-05-080-080	PRP35-05-080-120	5	80	3.5 - 4.5	6	0.035	0.079
PRP35-05-100-080	PRP35-05-100-120	5	100	3.5 - 4.5	6	0.035	0.079
PRP35-05-120-080	PRP35-05-120-120	5	120	3.5 - 4.5	6	0.035	0.079
PRP35-05-150-080	PRP35-05-150-120	5	150	4.5 - 5.5	6	0.035	0.079
PRP35-06-020-080	PRP35-06-020-120	6	20	4.5 - 5.5	6	0.035	0.079
PRP35-06-030-080	PRP35-06-030-120	6	30	4.5 - 5.5	6	0.035	0.079
PRP35-06-040-080	PRP35-06-040-120	6	40	4.5 - 5.5	6	0.035	0.079
PRP35-06-060-080	PRP35-06-060-120	6	60	4.5 - 5.5	6	0.035	0.079
PRP35-06-080-080	PRP35-06-080-120	6	80	4.5 - 5.5	6	0.035	0.079
PRP35-06-100-080	PRP35-06-100-120	6	100	4.5 - 5.5	6	0.035	0.079
PRP35-06-120-080	PRP35-06-120-120	6	120	4.5 - 5.5	6	0.035	0.079
PRP35-06-150-080	PRP35-06-150-120	6	150	4.5 - 5.5	6	0.035	0.079
-	PRP35DR-06-200-120	6	200	4.5 - 5.5	6	0.035	0.079
PRP35-07-020-080	PRP35-07-020-120	7	20	5.5 - 6.5	6	0.035	0.079
PRP35-07-030-080	PRP35-07-030-120	7	30	5.5 - 6.5	6	0.035	0.079
PRP35-07-040-080	PRP35-07-040-120	7	40	5.5 - 6.5	6	0.035	0.079
PRP35-07-060-080	PRP35-07-060-120	7	60	5.5 - 6.5	6	0.035	0.079
PRP35-07-080-080	PRP35-07-080-120	7	80	5.5 - 6.5	6	0.035	0.079
PRP35-07-100-080	PRP35-07-100-120	7	100	5.5 - 6.5	6	0.035	0.079
PRP35-07-120-080	PRP35-07-120-120	7	120	5.5 - 6.5	6	0.035	0.079
PRP35-07-150-080	PRP35-07-150-120	7	150	5.5 - 6.5	6	0.035	0.079
-	PRP35DR-07-200-120	7	200	5.5 - 6.5	6	0.035	0.079
PRP35-08-020-080	PRP35-08-020-120	8	20	6.5 - 7.5	6	0.035	0.079
PRP35-08-030-080	PRP35-08-030-120	8	30	6.5 - 7.5	6	0.035	0.079
PRP35-08-040-080	PRP35-08-040-120	8	40	6.5 - 7.5	6	0.035	0.079
PRP35-08-060-080	PRP35-08-060-120	8	60	6.5 - 7.5	6	0.035	0.079
PRP35-08-080-080	PRP35-08-080-120	8	80	6.5 - 7.5	6	0.035	0.079
PRP35-08-100-080	PRP35-08-100-120	8	100	6.5 - 7.5	6	0.035	0.079
PRP35-08-120-080	PRP35-08-120-120	8	120	6.5 - 7.5	6	0.035	0.079
PRP35-08-150-080	PRP35-08-150-120	8	150	6.5 - 7.5	6	0.035	0.079
-	PRP35DR-08-200-120	8	200	6.5 - 7.5	6	0.035	0.079

INDICATIONS: The EverFlex™ self-expanding peripheral stent system is indicated for use in common iliac, external iliac, superficial fermoral, proximal popliteal, and subclavian arteries.

EverFlex™ with Entrust™ Delivery System

Self-Expanding Stent System

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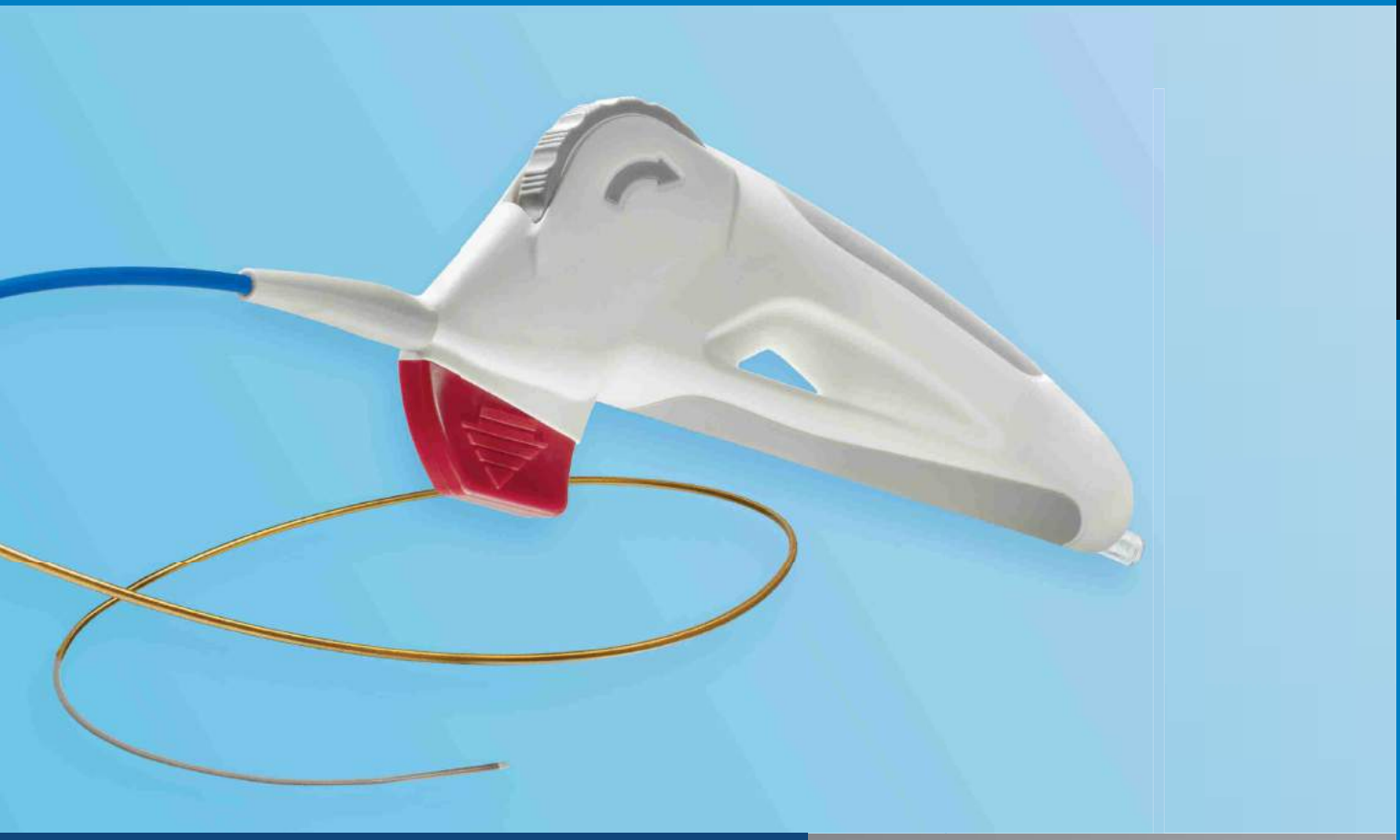


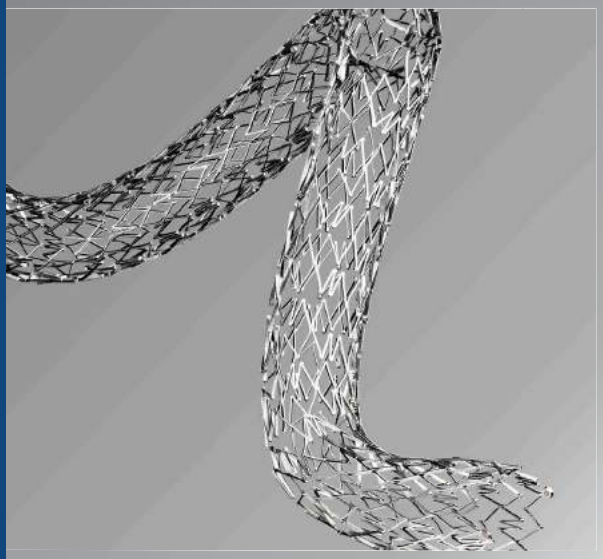
The Entrust™ delivery system is a one-handed, triaxialstent delivery system with a low 5 F profile.

This low profile was achieved without compromising the design of the EverFlex™ stent or the 0.035" guidewire compatibility.

The device was engineered specifically for control and accuracy based on physician feedback provided during extensive interviews and procedural observations.

EverFlex™ stent: The DURABILITY II study proves strong stent performance with a 60% primary patency at 3 years.

EverFlex™ Entrust™ catheter lengths: 80 cm, 120 cm, 150 cm.



EverFlex™ with Entrust™ Delivery System

Self-Expanding Stent System

ORDER INFORMATION

Product Catalogue Number			Stent Dimensions (Unconstrained)		Size Compatibility		Guidewire Acceptance (inch)
Catheter Length 80 cm	Catheter Length 120 cm	Catheter Length 150 cm	Diameter (mm)	Length (mm)	Vessel Size (mm)	Sheath / Guide (F)	
EVX35-05-020-080	EVX35-05-020-120	EVX35-05-020-150	5	20	3.5 - 4.5	5	0.035
EVX35-05-040-080	EVX35-05-040-120	EVX35-05-040-150	5	40	3.5 - 4.5	5	0.035
EVX35-05-060-080	EVX35-05-060-120	EVX35-05-060-150	5	60	3.5 - 4.5	5	0.035
EVX35-05-080-080	EVX35-05-080-120	EVX35-05-080-150	5	80	3.5 - 4.5	5	0.035
EVX35-05-100-080	EVX35-05-100-120	EVX35-05-100-150	5	100	3.5 - 4.5	5	0.035
EVX35-05-120-080	EVX35-05-120-120	EVX35-05-120-150	5	120	3.5 - 4.5	5	0.035
EVX35-05-150-080	EVX35-05-150-120	EVX35-05-150-150	5	150	3.5 - 4.5	5	0.035
EVX35-06-020-080	EVX35-06-020-120	EVX35-06-020-150	6	20	4.5 - 5.5	5	0.035
EVX35-06-040-080	EVX35-06-040-120	EVX35-06-040-150	6	40	4.5 - 5.5	5	0.035
EVX35-06-060-080	EVX35-06-060-120	EVX35-06-060-150	6	60	4.5 - 5.5	5	0.035
EVX35-06-080-080	EVX35-06-080-120	EVX35-06-080-150	6	80	4.5 - 5.5	5	0.035
EVX35-06-100-080	EVX35-06-100-120	EVX35-06-100-150	6	100	4.5 - 5.5	5	0.035
EVX35-06-120-080	EVX35-06-120-120	EVX35-06-120-150	6	120	4.5 - 5.5	5	0.035
EVX35-06-150-080	EVX35-06-150-120	EVX35-06-150-150	6	150	4.5 - 5.5	5	0.035
EVX35-07-020-080	EVX35-07-020-120	EVX35-07-020-150	7	20	5.5 - 6.5	5	0.035
EVX35-07-040-080	EVX35-07-040-120	EVX35-07-040-150	7	40	5.5 - 6.5	5	0.035
EVX35-07-060-080	EVX35-07-060-120	EVX35-07-060-150	7	60	5.5 - 6.5	5	0.035
EVX35-07-080-080	EVX35-07-080-120	EVX35-07-080-150	7	80	5.5 - 6.5	5	0.035
EVX35-07-100-080	EVX35-07-100-120	EVX35-07-100-150	7	100	5.5 - 6.5	5	0.035
EVX35-07-120-080	EVX35-07-120-120	EVX35-07-120-150	7	120	5.5 - 6.5	5	0.035
EVX35-07-150-080	EVX35-07-150-120	EVX35-07-150-150	7	150	5.5 - 6.5	5	0.035
EVX35-08-020-080	EVX35-08-020-120	EVX35-08-020-150	8	20	6.5 - 7.5	5	0.035
EVX35-08-040-080	EVX35-08-040-120	EVX35-08-040-150	8	40	6.5 - 7.5	5	0.035
EVX35-08-060-080	EVX35-08-060-120	EVX35-08-060-150	8	60	6.5 - 7.5	5	0.035
EVX35-08-080-080	EVX35-08-080-120	EVX35-08-080-150	8	80	6.5 - 7.5	5	0.035
EVX35-08-100-080	EVX35-08-100-120	EVX35-08-100-150	8	100	6.5 - 7.5	5	0.035
EVX35-08-120-080	EVX35-08-120-120	EVX35-08-120-150	8	120	6.5 - 7.5	5	0.035
EVX35-08-150-080	EVX35-08-150-120	EVX35-08-150-150	8	150	6.5 - 7.5	5	0.035

INDICATIONS: The stent is indicated for use in occlusions, lesions at high risk for abrupt closure or threatened closure following percutaneous transluminal angioplasty (PTA); or lesions believed to be at high risk for restenosis following PTA in the common iliac, external iliac, superficial femoral, proximal popliteal, or subclavian arteries.
Stenting is intended to improve and maintain artery luminal diameter.

Paramount Mini™ GPS™

Balloon-Expandable Peripheral Stent System

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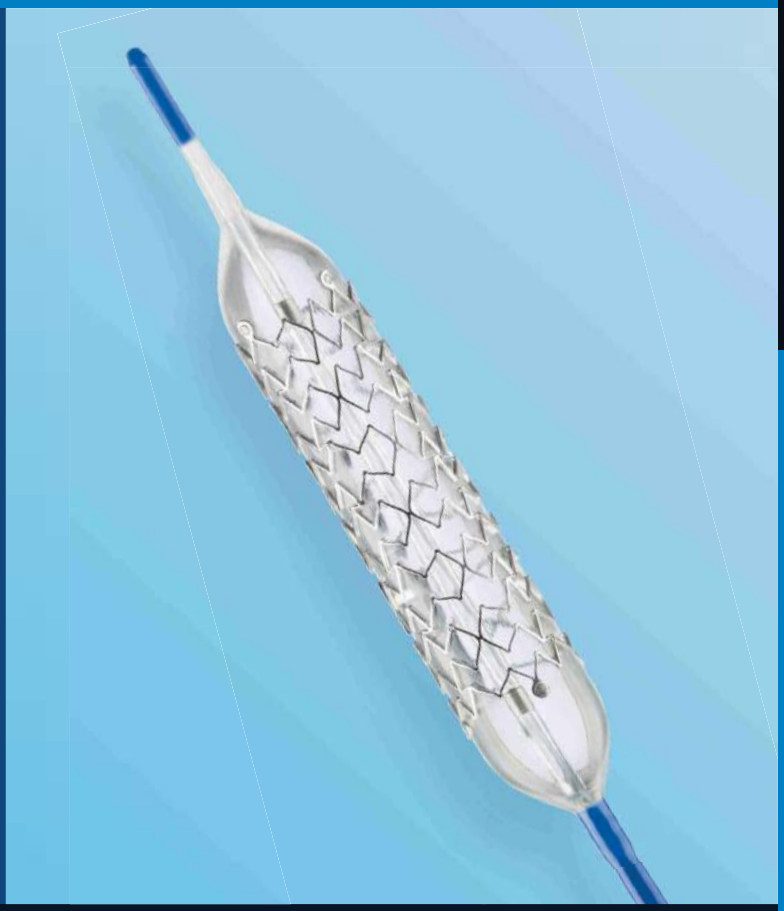
The Paramount Mini™ GPS™ is a pre-mounted renal stent line with tantalum markers on a balloon catheter delivery system. The devices are compatible with 5 and 6 F introducers and 0.014" and 0.018" Guidewires.

Each kit includes:

One stent and delivery catheter system

Paramount mini catheter length 80cm



COMPLIANCE CHART

ParaMount Mini™ GPS™ Diameter (mm)	Inflation Pressure (atm)			
	9	10	11	12
5.0	4.96	5.04[1]	5.12	5.20[2]
6.0	5.78	5.88[1]	5.98	6.08[2]

[1]Diameter at Nominal Pressure
[2]Diameter at Rated Burst Pressure
INDICATIONS: The ParaMount Mini™ GPS™ Stent System is indicated for use in the renal artery, as well as malignant biliary use.

Paramount Mini™ GPS™

Balloon-Expandable Peripheral Stent System

ORDER INFORMATION

Product Catalogue Number	Expanded Stent Size		Balloon Length (mm)	Usable Length (cm)	Rated Burst Pressure (atm)	Nominal Burst Pressure (atm)	Recommended Guide / Catheter Sheath Size (inch)	Recommended Guidewire (inch)	Crossing Profile (inch)
	Diameter (mm)	Length (mm)							
PMP4-5-14-80	5.0	14	17	80	12	10	6 / 5	0.014	0.062
PMP4-5-18-80	5.0	18	20	80	12	10	6 / 5	0.014	0.062
PMP4-5-21-80	5.0	21	24	80	12	10	6 / 5	0.014	0.062
PMP4-6-14-80	6.0	14	17	80	12	10	7 / 6	0.014	0.066
PMP4-6-18-80	6.0	18	20	80	12	10	7 / 6	0.014	0.066
PMP4-6-21-80	6.0	21	24	80	12	10	7 / 6	0.014	0.066
PMP4-7-14-80	7.0	14	17	80	12	10	7 / 6	0.014	0.070
PMP4-7-18-80	7.0	18	20	80	12	10	7 / 6	0.014	0.070
PMP4-7-21-80	7.0	21	24	80	12	10	7 / 6	0.014	0.070
PMP8-5-14-80	5.0	14	17	80	12	10	6 / 5	0.018	0.062
PMP8-5-18-80	5.0	18	20	80	12	10	6 / 5	0.018	0.062
PMP8-5-21-80	5.0	21	24	80	12	10	6 / 5	0.018	0.062
PMP8-6-14-80	6.0	14	17	80	12	10	6* / 5	0.018	0.066
PMP8-6-18-80	6.0	18	20	80	12	10	6* / 5	0.018	0.066
PMP8-6-21-80	6.0	21	24	80	12	10	6* / 5	0.018	0.066
PMP8-7-14-80	7.0	14	17	80	12	10	7 / 6	0.018	0.070
PMP8-7-18-80	7.0	18	20	80	12	10	7 / 6	0.018	0.070
PMP8-7-21-80	7.0	21	24	80	12	10	7 / 6	0.018	0.070

Specifications Nominal, 6 F=0.070" I.D.

Hippocampus™

Renal RX Stent System 0.014"

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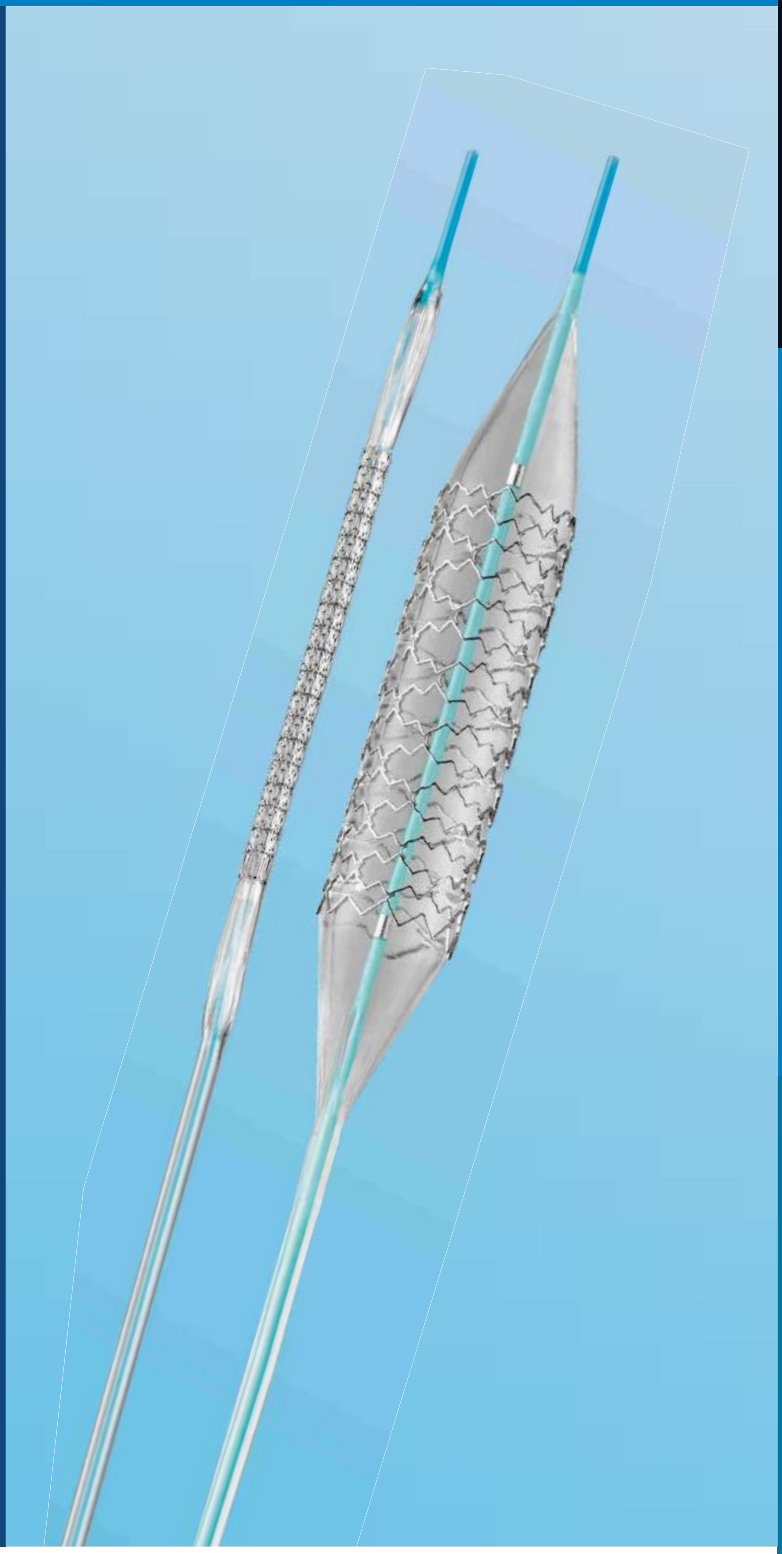
TECHNICAL SPECIFICATIONS

STENT

Stent design	Closed cell
Stent material	Stainless Steel
Stent inner diameter	4.0, 5.0, 5.5, 6.0, 6.5, 7.0 mm
Stent length	10, 15, 20, 24 mm
Strut thickness / width	165 / 110 µm

STENT DELIVERY SYSTEM

Catheter design	RX (Rapid Exchange)
Shaft diameter prox./ dist.	2.3 F / 3.5 F
Usable shaft length	80 and 145 cm
Recommended guidewire	0.014"
Introducer sheath compatibility	5 F
Guiding catheter compatibility	6 F (> 0.066")
Nominal Pressure	8 bar



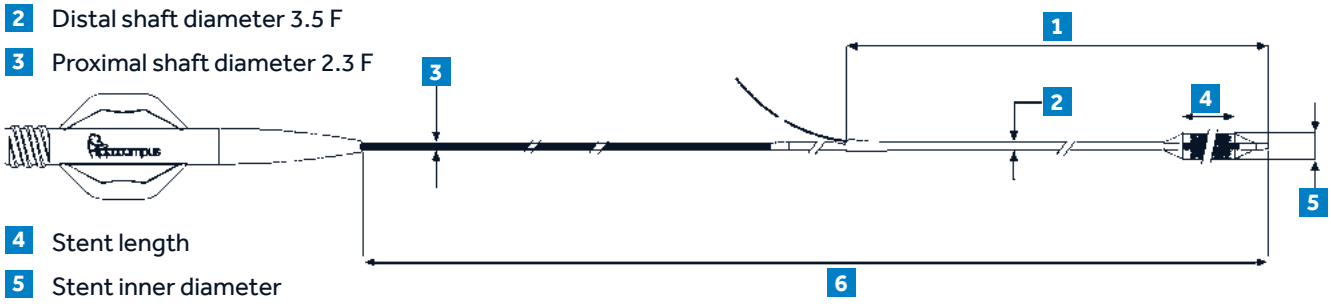
Hippocampus™

Renal RX Stent System 0.014"

ORDER INFORMATION

Product Catalogue Number		Stent inner Ø (mm)	Stent length (mm)	RBP (bar)
Usable length 80 cm	Usable length 145 cm			
IHP040 100 080	IHP040 100 145	4.0	10	15
IHP040 150 080	IHP040 150 145	4.0	15	15
IHP040 200 080	IHP040 200 145	4.0	20	15
IHP050 100 080	IHP050 100 145	5.0	10	15
IHP050 150 080	IHP050 150 145	5.0	15	15
IHP050 200 080	IHP050 200 145	5.0	20	15
IHP050 240 080	IHP050 240 145	5.0	24	15
IHP055 100 080	IHP055 100 145	5.5	10	15
IHP055 150 080	IHP055 150 145	5.5	15	15
IHP055 200 080	IHP055 200 145	5.5	20	15
IHP060 100 080	IHP060 100 145	6.0	10	14
IHP060 150 080	IHP060 150 145	6.0	15	14
IHP060 200 080	IHP060 200 145	6.0	20	14
IHP060 240 080	IHP060 240 145	6.0	24	14
IHP065 150 080	IHP065 150 145	6.5	15	14
IHP065 200 080	IHP065 200 145	6.5	20	14
IHP070 150 080	IHP070 150 145	7.0	15	14
IHP070 200 080	IHP070 200 145	7.0	20	14
IHP070 240 080	IHP070 240 145	7.0	24	14

1. RX section, 15 cm
2. Distal shaft diameter 3.5 F
3. Proximal shaft diameter 2.3 F



4. Stent length
5. Stent inner diameter
6. Usable shaft length

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IntraStent™ LD

Large Diameter Stents

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The IntraStent™ LD stent family of large-lumen stainless steel stents has been designed to supply a larger diameter device with the flexibility, strength, coverage, and profile normally associated with smaller diameter stents.

Three models are available:

InstraStent™ DoubleStrut™ LD peripheral stent

- Four-cell design for balanced radial strength and flexibility
- Low profile, 8 F introducer sheath
- Best choice for flexibility

InstraStent™ Mega™ LD peripheral stent

- Five-cell design for increased radial strength over the DoubleStrut LD Stent
- 9 F sheath compatibility
- Best choice for strength and flexibility

InstraStent™ Max™ LD peripheral stent

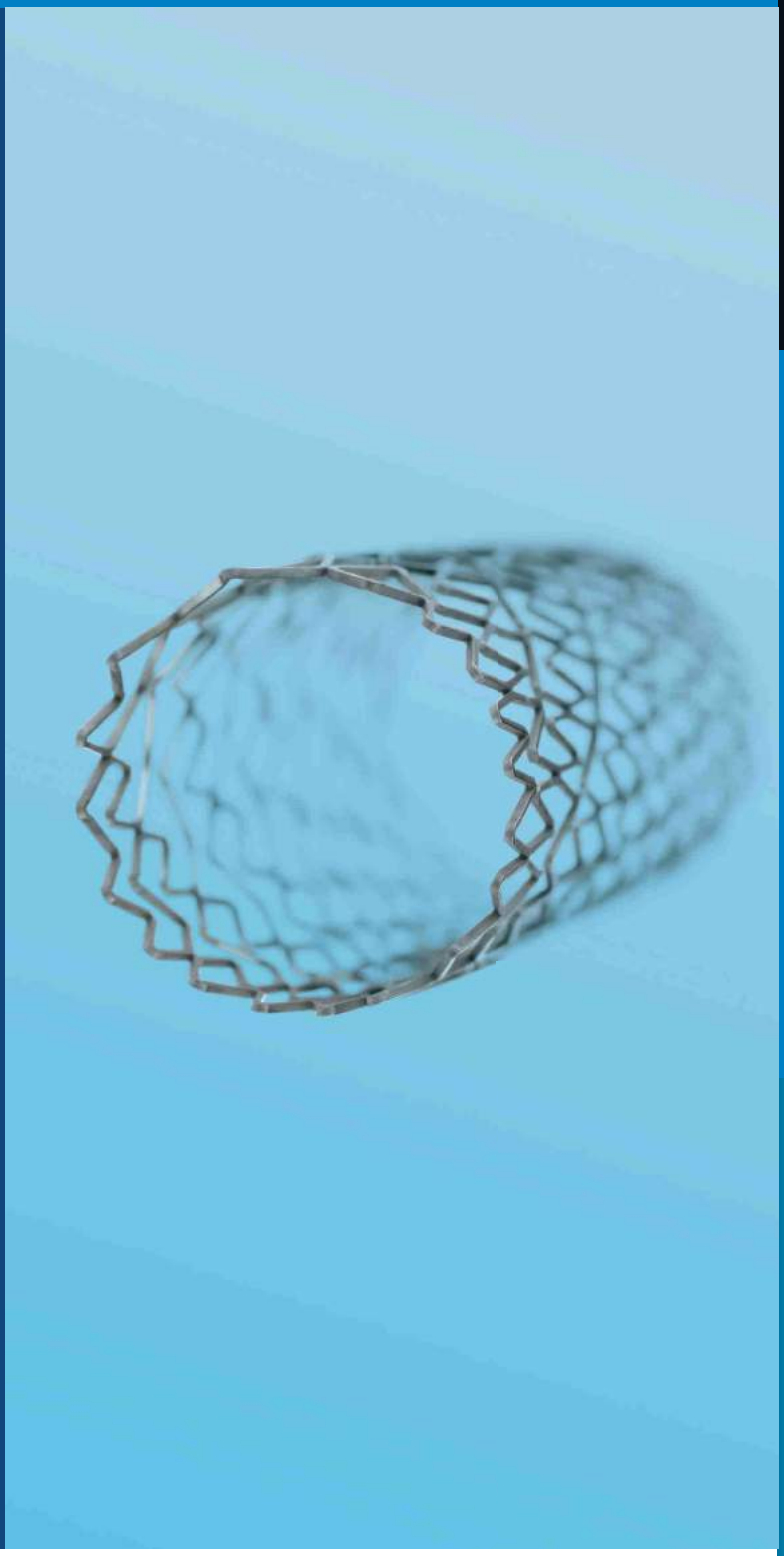
- Six-cell design for maximum strength and coverage
- 11 F sheath compatibility
- Best for strength

More choices

- The LD series of stents is available in a variety of designs to accommodate the unique needs of your patients

Innovative design

- Flexibility, strength and coverage delivered in ways not found in other large lumen stents
- Minimal shortening after expansion up to 12 mm
- Rounded edges minimize potential for lumen trauma



IntraStent™ LD

Large Diameter Stents

INTRASTENT™ LD STENT FAMILY

Product Catalogue Number	Un-expanded Stent Size		Expanded Stent Size	
	Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)
Intrastent™ LD Doublestrut™				
90-1504-000	3.8	16.0	9, 10, 11, 12	16.0
90-1504-001	3.8	26.0	9, 10, 11, 12	26.0
90-1504-002	3.8	36.0	9, 10, 11, 12	36.0
90-1504-003	3.8	56.0	9, 10, 11, 12	56.0
90-1504-004	3.8	76.0	9, 10, 11, 12	76.0
Intrastent™ LD Mega™				
90-2336-000	3.8	16.0	9, 10, 11, 12	16.0
90-2336-001	3.8	26.0	9, 10, 11, 12	26.0
90-2336-002	3.8	36.0	9, 10, 11, 12	36.0
Intrastent™ LD Max™				
90-2337-000	4.5	16.0	12	16.0
90-2337-001	4.5	26.0	12	26.0
90-2337-002	4.5	36.0	12	36.0

Specifications Nominal
INDICATIONS: The IntraStent™ LD Double Strut™, IntraStent™ LD Mega™ and the IntraStent™ LD Max™ stents are indicated for use in iliac and subclavian arteries. The IntraStent™ LD Double Strut™ is also indicated for malignant biliary use.

INTRASTENT™ LD STENT MEGA™ AND LD MAX™ STENT EXPANSION CHART

Stent Expanded Diameter (mm)	IntraStent™ LD Mega™ Stent Lengths (mm)			IntraStent™ LD Max™ Stent Lengths (mm)		
	16	26	36	16	26	36
9	16.0	26.0	36.0	16.0	26.0	36.0
10	16.0	26.0	36.0	16.0	26.0	36.0
12	16.0	26.0	36.0	16.0	26.0	36.0
14	14.0	24.0	34.0	15.5	25.5	35.5
16	13.0	22.5	32.5	15.0	25.0	35.0
18	12.0	21.5	31.0	14.5	24.5	34.5
20				14.0	24.0	34.0
22				13.5	23.0	33.0
25				13.0	22.0	32.0

Stent was expanded in a single increment. Stepped expansion will result in less shortening of the stent.

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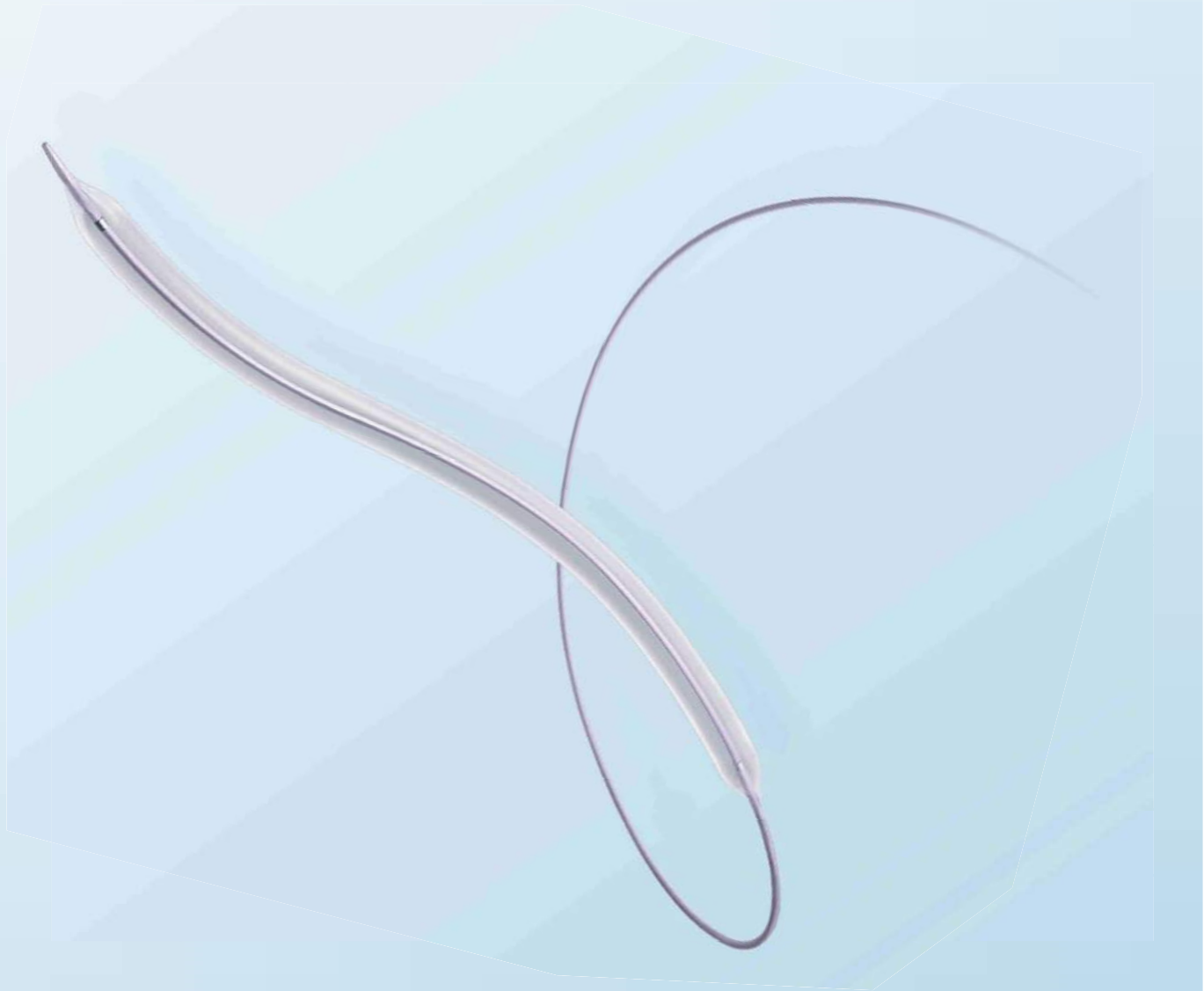
PTA BALLOONS



Admiral™ Xtreme™

PTA Balloon Catheter OTW 0.035"

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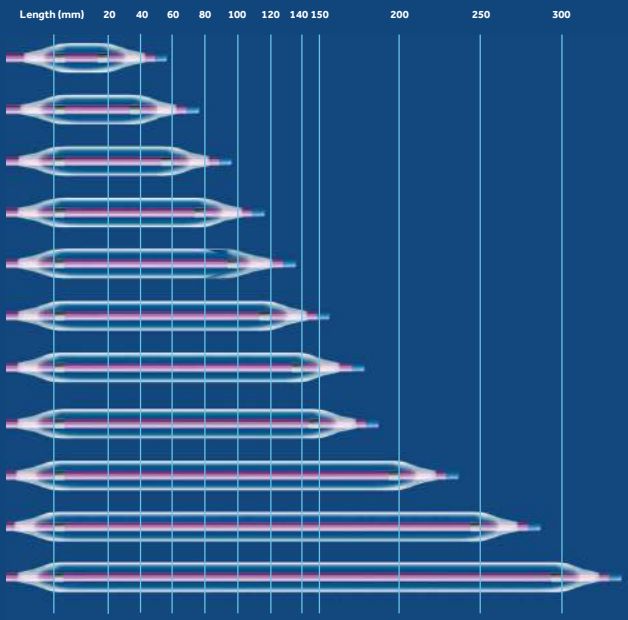
CROSS LESIONS WITH CONFIDENCE

TECHNICAL SPECIFICATIONS

Catheter design	Over the Wire (OTW)
Balloon coating	LFC Hydrophilic
Balloon marker	2 swaged (zero profile) Platinum Iridium
Shaft diameter	5 F – 5.3 F
Usable shaft lengths	80 cm, 130 cm, 150 cm
Introducer sheath compatility	5 F – 6 F – 7 F
Guidewire compatibility	0.035"



Admiral™ Xtreme™

PTA Balloon Catheter OTW 0.035"

ORDER INFORMATION

Ref. N° Usable Length 80 cm	Ref. N° Usable Length 130 cm	Ref. N° Usable Length 150 cm	Balloon Ø (mm)	Balloon Length (mm)	Recom. Introducer Sheath (F)	RBP (Bar)
SBI030020080	SBI030020130		3	20	5	18
SBI030040080	SBI030040130		3	40	5	18
SBI030080080	SBI030080130		3	80	5	18
SBI030100080	SBI030100130		3	100	5	18
SBI030120080	SBI030120130		3	120	5	18
SBI040020080	SBI040020130	SBI040020150	4	20	5	18
SBI040040080	SBI040040130	SBI040040150	4	40	5	18
SBI040060080	SBI040060130	SBI040060150	4	60	5	18
SBI040080080	SBI040080130	SBI040080150	4	80	5	18
SBI040100080	SBI040100130	SBI040100150	4	100	5	18
SBI040120080	SBI040120130	SBI040120150	4	120	5	18
SBI040150080	SBI040150130	SBI040150150	4	150	5	14
SBI040200080	SBI040200130	SBI040200150	4	200	5	14
SBI040250080	SBI040250130		4	250	5	14
SBI040300080	SBI040300130		4	300	5	14
SBI050020080	SBI050020130	SBI050020150	5	20	5	17
SBI050040080	SBI050040130	SBI050040150	5	40	5	17
SBI050060080	SBI050060130	SBI050060150	5	60	5	17
SBI050080080	SBI050080130	SBI050080150	5	80	5	15
SBI050100080	SBI050100130	SBI050100150	5	100	5	15
SBI050120080	SBI050120130	SBI050120150	5	120	5	15
SBI050150080	SBI050150130	SBI050150150	5	150	5	14
SBI050200080	SBI050200130	SBI050200150	5	200	5	14
SBI050250080	SBI050250130		5	250	5	14
SBI050300080L	SBI050300130L		5	300	5	14
SBI060020080	SBI060020130	SBI060020150	6	20	5	17
SBI060040080	SBI060040130	SBI060040150	6	40	5	17
SBI060060080	SBI060060130	SBI060060150	6	60	5	17
SBI060080080	SBI060080130	SBI060080150	6	80	5	15
SBI060100080	SBI060100130	SBI060100150	6	100	5	15
SBI060120080	SBI060120130	SBI060120150	6	120	5	15
SBI060150080	SBI060150130	SBI060150150	6	150	5	12
SBI060200080L	SBI060200130L	SBI060200150	6	200	5	12
SBI060250080L	SBI060250130L		6	250	5	12
SBI060300080L	SBI060300130L		6	300	5	12
SBI070020080	SBI070020130	SBI070020150	7	20	5	16
SBI070040080	SBI070040130	SBI070040150	7	40	5	16
SBI070060080	SBI070060130	SBI070060150	7	60	5	14
SBI070080080	SBI070080130	SBI070080150	7	80	5	14
SBI070100080	SBI070100130	SBI070100150	7	100	5	12
SBI070120080L	SBI070120130L	SBI070120150	7	120	5	12
SBI070150080L	SBI070150130L	SBI070150150	7	150	5	12
SBI070200080L	SBI070200130L	SBI070200150	7	200	5	12
SBI070250080	SBI070250130		7	250	6	12
SBI080020080	SBI080020130		8	20	6	14
SBI080040080	SBI080040130		8	40	6	14
SBI080060080	SBI080060130		8	60	6	11
SBI080080080	SBI080080130		8	80	6	11
SBI090020080	SBI090020130		9	20	6	14
SBI090040080	SBI090040130		9	40	6	14
SBI090060080	SBI090060130		9	60	6	11
SBI090080080	SBI090080130		9	80	6	11
SBI100020080	SBI100020130		10	20	6	11
SBI100040080	SBI100040130		10	40	6	11
SBI120020080	SBI120020130		12	20	7	11
SBI120040080	SBI120040130		12	40	7	11

EverCross™

OTW PTA Dilatation Catheter 0.035"

EverCross™ 0.035" PTA balloon is an over-the-wire, 0.035" balloon catheter that features a bevel 360° tip for smooth tip to wire tracking. EverCross™ nylon folds, extending the length of the balloon, were engineered for superior rewrap, facilitating multiple inflations and insertions. Each system includes: One PTA balloon catheter and one compliance chart.

TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Useable catheteer lengths	40, 80 and 135cm
Introducer sheath compatibility	5, 6 F
Guidewire compatibility	0.035"

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EverCross™

OTW PTA Dilatation Catheter 0.035"

ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Rated Burst Pressure (atm)	Recommended Introducer Sheath (Fr)
Usable Shaft Length 135cm	Usable Shaft Length 80cm	Usable Shaft Length 40cm					
AB35W03020135	AB35W03020080	-	3.0	20	10	20	5
AB35W03030135	AB35W03030080	-	3.0	30	10	20	5
AB35W03040135	AB35W03040080	-	3.0	40	10	20	5
AB35W03060135	AB35W03060080	-	3.0	60	10	20	5
AB35W03080135	AB35W03080080	-	3.0	80	10	20	5
AB35W03100135	AB35W03100080	-	3.0	100	10	20	5
AB35W03120135	AB35W03120080	-	3.0	120	10	20	5
AB35W03150135	AB35W03150080	-	3.0	150	10	20	5
AB35W03200135	AB35W03200080	-	3.0	200	10	20	5
AB35W04020135	AB35W04020080	-	4.0	20	10	20	5
AB35W04030135	AB35W04030080	-	4.0	30	10	20	5
AB35W04040135	AB35W04040080	-	4.0	40	10	20	5
AB35W04060135	AB35W04060080	-	4.0	60	10	20	5
AB35W04080135	AB35W04080080	-	4.0	80	10	20	5
AB35W04100135	AB35W04100080	-	4.0	100	10	20	5
AB35W04120135	AB35W04120080	-	4.0	120	10	20	5
AB35W04150135	AB35W04150080	-	4.0	150	10	20	5
AB35W04200135	AB35W04200080	-	4.0	200	10	20	5
AB35W05020135	AB35W05020080	AB35W05020040	5.0	20	10	18	5
AB35W05030135	AB35W05030080	AB35W05030040	5.0	30	10	18	5
AB35W05040135	AB35W05040080	AB35W05040040	5.0	40	10	18	5
AB35W05060135	AB35W05060080	AB35W05060040	5.0	60	10	18	5
AB35W05080135	AB35W05080080	AB35W05080040	5.0	80	10	18	5
AB35W05100135	AB35W05100080	-	5.0	100	10	18	5
AB35W05120135	AB35W05120080	AB35W05120040	5.0	120	10	16	5
AB35W05150135	AB35W05150080	-	5.0	150	10	16	5
AB35W05200135	AB35W05200080	-	5.0	200	10	16	5
AB35W06020135	AB35W06020080	AB35W06020040	6.0	20	8	14	5
AB35W06030135	AB35W06030080		6.0	30	8	14	5

EverCross™

OTW PTA Dilatation Catheter 0.035"

ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Rated Burst Pressure (atm)	Recommended Introducer Sheath (Fr)
Usable Shaft Length 135cm	Usable Shaft Length 80cm	Usable Shaft Length 40cm					
AB35W06040135	AB35W06040080	AB35W06040040	6.0	40	8	14	5
AB35W06060135	AB35W06060080	-	6.0	60	8	14	5
AB35W06080135	AB35W06080080	AB35W06080040	6.0	80	8	14	5
AB35W06100135	AB35W06100080	-	6.0	100	8	14	5
AB35W06120135	AB35W06120080	AB35W06120040	6.0	120	8	12	5
AB35W06150135	AB35W06150080	-	6.0	150	8	12	5
AB35W06200135	AB35W06200080	-	6.0	200	8	11	6
AB35W07020135	AB35W07020080	AB35W07020040	7.0	20	7	14	5
AB35W07030135	AB35W07030080	-	7.0	30	7	14	5
AB35W07040135	AB35W07040080	AB35W07040040	7.0	40	7	14	5
AB35W07060135	AB35W07060080	AB35W07060040	7.0	60	7	14	6
AB35W07080135	AB35W07080080	-	7.0	80	7	14	6
AB35W07100135	AB35W07100080	-	7.0	100	7	14	6
AB35W07120135	AB35W07120080	-	7.0	120	7	10	6
AB35W07150135	AB35W07150080	-	7.0	150	7	10	6
AB35W07200135	AB35W07200080	-	7.0	200	7	10	6
AB35W08020135	AB35W08020080	AB35W08020040	8.0	20	7	14	6
AB35W08030135	AB35W08030080	-	8.0	30	7	14	6
AB35W08040135	AB35W08040080	AB35W08040040	8.0	40	7	14	6
AB35W08060135	AB35W08060080	AB35W08060040	8.0	60	7	14	6
AB35W08080135	AB35W08080080	-	8.0	80	7	14	6
AB35W09020135	AB35W09020080	-	9.0	20	7	12	6
AB35W09030135	AB35W09030080	-	9.0	30	7	12	6
AB35W09040135	AB35W09040080	-	9.0	40	7	12	6
AB35W09060135	AB35W09060080	-	9.0	60	7	12	6
AB35W09080135	AB35W09080080	-	9.0	80	7	12	6
AB35W10020135	AB35W10020080	-	10.0	20	7	11	6
AB35W10030135	AB35W10030080	-	10.0	30	7	11	6
AB35W10040135	AB35W10040080	-	10.0	40	7	11	6
AB35W10060135	AB35W10060080	-	10.0	60	7	11	7
AB35W12020135	AB35W12020080	-	12.0	20	7	10	7
AB35W12040135	AB35W12040080	-	12.0	40	7	10	7
AB35W12060135	AB35W12060080	-	12.0	60	7	10	7

INDICATIONS: The EverCross™ 0.035" over-the-wire PTA dilatation catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, renal arteries and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for stent post-dilatation in the peripheral vasculature.

Fortrex™

PTA Balloon Catheter OTW 0.035"

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Predictable high-pressure treatment for AV access lesions

The high-pressure Fortrex™ PTA Balloon is the next-generation solution for deliverability, predictability, and procedural efficiency.

Deliverability

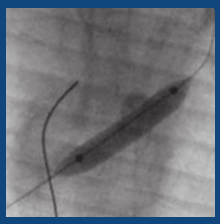
- Low tip entry profile enables tight tracking on the wire
- Robust, flexible shaft design facilitates successful navigation in tortuous vessels

Procedural efficiency

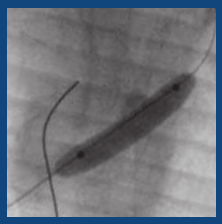
- Rapid deflation time contributes to reduced procedure length
- Balloon material and wall thickness permit reliable balloon rewrap into the sheath

Predictability

- Balloon material and design allow for shape retention at higher pressure
- Focal pressure is exerted on the lesion for controlled, targeted treatment



Fortrex™ Balloon
Pressure is directed toward the lesion



Competitive Design
Pressure is lost longitudinally

[1] Coriolis-Competitive Cheat Sheet - RE-PV1461.p.6.8-9.
[2] Coriolis-Competitive Cheat Sheet - RE-PV1461.p.7.
[3] Coriolis-Competitive Cheat Sheet - RE-PV1461.p.5.16-17-17-Competitive

Fortrex™

PTA Balloon Catheter OTW 0.035"

ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Rated Burst Pressure (atm)	Recommended Introducer Sheath (F)
135 cm Catheter Length	80 cm Catheter Length	40 cm Catheter Length					
A35HPV04020135	A35HPV04020080	A35HPV04020040	4	20	12	24	6
A35HPV04040135	A35HPV04040080	A35HPV04040040	4	40	12	24	6
A35HPV04080135	A35HPV04080080	A35HPV04080040	4	80	12	24	6
A35HPV04100135	A35HPV04100080	A35HPV04100040	4	100	12	24	6
A35HPV05020135	A35HPV05020080	A35HPV05020040	5	20	12	24	6
A35HPV05040135	A35HPV05040080	A35HPV05040040	5	40	12	24	6
A35HPV05080135	A35HPV05080080	A35HPV05080040	5	80	12	24	6
A35HPV05100135	A35HPV05100080	A35HPV05100040	5	100	12	24	6
A35HPV06020135	A35HPV06020080	A35HPV06020040	6	20	12	24	6
A35HPV06040135	A35HPV06040080	A35HPV06040040	6	40	12	24	6
A35HPV06080135	A35HPV06080080	A35HPV06080040	6	80	12	23	6
A35HPV06100135	A35HPV06100080	A35HPV06100040	6	100	12	23	6
A35HPV07020135	A35HPV07020080	A35HPV07020040	7	20	9	20	6
A35HPV07040135	A35HPV07040080	A35HPV07040040	7	40	9	20	6
A35HPV07080135	A35HPV07080080	A35HPV07080040	7	80	9	20	6
A35HPV07100135	A35HPV07100080	A35HPV07100040	7	100	9	20	6
A35HPV08040135	A35HPV08040080	A35HPV08040040	8	40	9	20	6
A35HPV08080135	A35HPV08080080	A35HPV08080040	8	80	9	19	6
A35HPV08100135	A35HPV08100080	A35HPV08100040	8	100	9	18	6
A35HPV09040135	A35HPV09040080	A35HPV09040040	9	40	9	18	7
A35HPV09080135	A35HPV09080080	A35HPV09080040	9	80	9	18	7
A35HPV10040135	A35HPV10040080	A35HPV10040040	10	40	8	16	7
A35HPV10080135	A35HPV10080080	A35HPV10080040	10	80	8	16	7
A35HPV12040135	A35HPV12040080	A35HPV12040040	12	40	8	14	7
A35HPV12080135	A35HPV12080080	A35HPV12080040	12	80	7	12	7

Pacific™ Plus

PTA Balloon Catheter OTW 0.018"

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PERIPHERAL

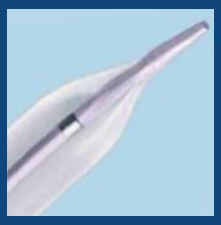
VENOUS

Versatility for everyday and beyond

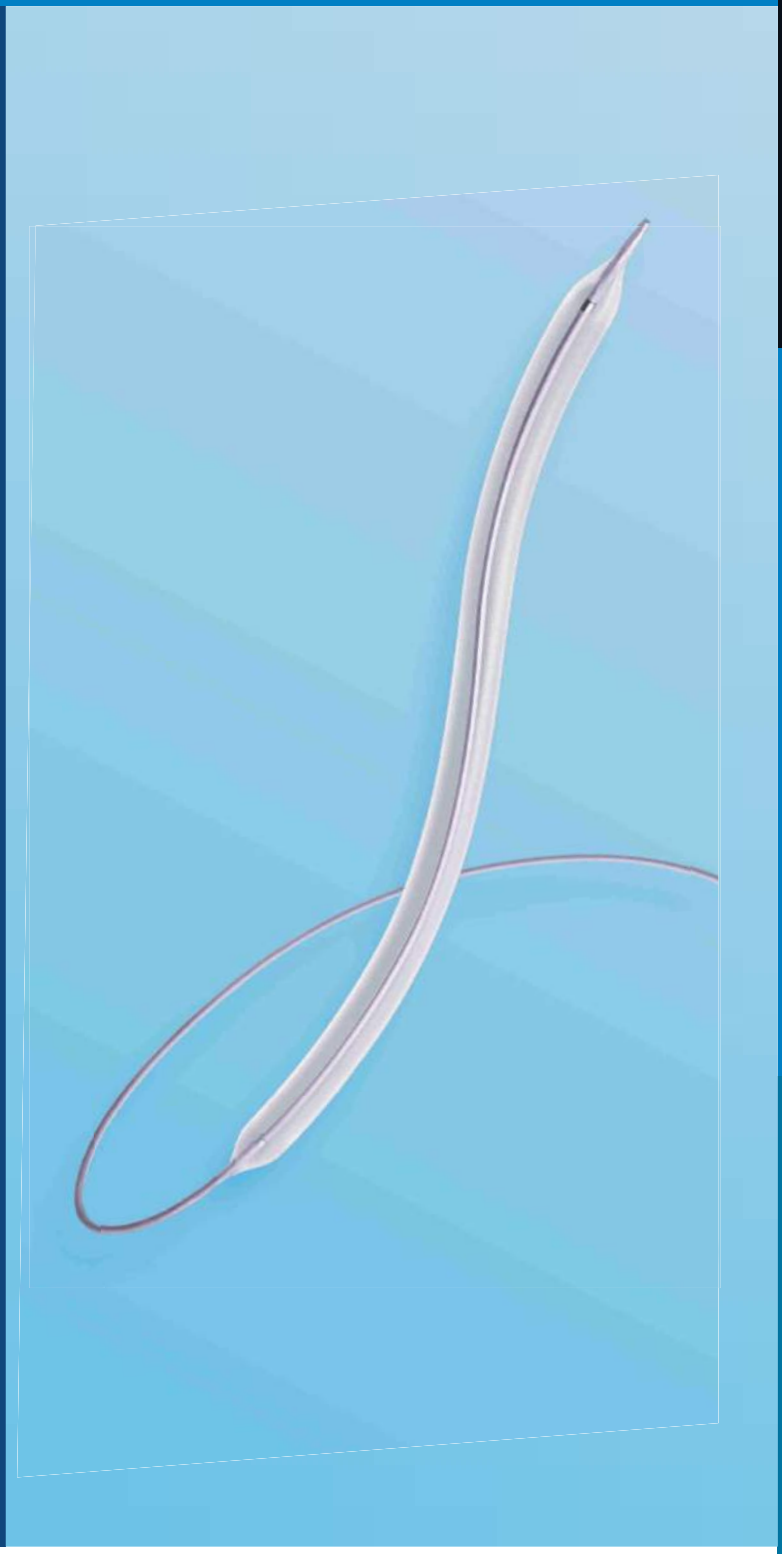
- Versatile shaft lengths and guidewire compatibility for more access options
- Proprietary balloon technology allows for great crossability*
- Improved shaft design for faster deflation*

TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Balloon coating	Hydrophilic
Balloon marker	2 swaged, platinum iridium
Shaft diameter	4.0 F
Usable shaft lengths	90, 130 and 180 cm
Introducer sheath compatility	4.0 F
Guidewire compatibility	0.018"



Tapered tip



* Six samples of each brand tested, 5 mm x 40 mm. Medtronic data on file. Bench test results may not be indicative of clinical performance.

Pacific™ Plus

PTA Balloon Catheter OTW 0.018"

ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	Nominal Pressure (atm)	RBP (atm)
Usable Length 90 cm	Usable Length 130 cm	Usable Length 180 cm					
PCE 020 020 090	PCE 020 020 130		2.00	20	4	8	22
PCE 020 040 090	PCE 020 040 130	PCE 020 040 180	2.00	40	4	8	22
PCE 020 060 090	PCE 020 060 130		2.00	60	4	8	22
PCE 020 080 090	PCE 020 080 130	PCE 020 080 180	2.00	80	4	8	22
PCE 020 120 090	PCE 020 120 130	PCE 020 120 180	2.00	120	4	8	22
PCE 020 150 090	PCE 020 150 130	PCE 020 150 180	2.00	150	4	8	22
PCE 025 020 090	PCE 025 020 130		2.50	20	4	8	16
PCE 025 040 090	PCE 025 040 130	PCE 025 040 180	2.50	40	4	8	16
PCE 025 060 090	PCE 025 060 130		2.50	60	4	8	16
PCE 025 080 090	PCE 025 080 130	PCE 025 080 180	2.50	80	4	8	16
PCE 025 120 090	PCE 025 120 130	PCE 025 120 180	2.50	120	4	8	16
PCE 025 150 090	PCE 025 150 130	PCE 025 150 180	2.50	150	4	8	16
PCE 030 020 090	PCE 030 020 130		3.00	20	4	8	16
PCE 030 040 090	PCE 030 040 130	PCE 030 040 180	3.00	40	4	8	16
PCE 030 060 090	PCE 030 060 130		3.00	60	4	8	16
PCE 030 080 090	PCE 030 080 130	PCE 030 080 180	3.00	80	4	8	16
PCE 030 120 090	PCE 030 120 130	PCE 030 120 180	3.00	120	4	8	16
PCE 030 150 090	PCE 030 150 130	PCE 030 150 180	3.00	150	4	8	16
PCE 035 020 090	PCE 035 020 130		3.50	20	4	8	16
PCE 035 040 090	PCE 035 040 130		3.50	40	4	8	16
PCE 035 060 090	PCE 035 060 130		3.50	60	4	8	16
PCE 035 080 090	PCE 035 080 130		3.50	80	4	8	16
PCE 035 120 090	PCE 035 120 130		3.50	120	4	8	16
PCE 035 150 090	PCE 035 150 130		3.50	150	4	8	16
PCE 040 020 090	PCE 040 020 130		4.00	20	4	8	14
PCE 040 040 090	PCE 040 040 130	PCE 040 040 180	4.00	40	4	8	14
PCE 040 060 090	PCE 040 060 130		4.00	60	4	8	14
PCE 040 080 090	PCE 040 080 130	PCE 040 080 180	4.00	80	4	8	14
PCE 040 120 090	PCE 040 120 130	PCE 040 120 180	4.00	120	4	8	14
PCE 050 020 090	PCE 050 020 130		5.00	20	4	8	14
PCE 050 040 090	PCE 050 040 130	PCE 050 040 180	5.00	40	4	8	14
PCE 050 060 090	PCE 050 060 130	PCE 050 060 180	5.00	60	4	8	14
PCE 050 080 090	PCE 050 080 130	PCE 050 080 180	5.00	80	4	8	14
PCE 050 120 090	PCE 050 120 130	PCE 050 120 180	5.00	120	4	8	14
PCE 060 020 090	PCE 060 020 130		6.00	20	4	8	14
PCE 060 040 090	PCE 060 040 130	PCE 060 040 180	6.00	40	4	8	14
PCE 060 060 090	PCE 060 060 130		6.00	60	4	8	14
PCE 060 080 090	PCE 060 080 130	PCE 060 080 180	6.00	80	4	8	14
PCE 060 120 090	PCE 060 120 130	PCE 060 120 180	6.00	120	4	8	14
PCE 070 020 090	PCE 070 020 130		7.00	20	4	8	12
PCE 070 040 090	PCE 070 040 130	PCE 070 040 180	7.00	40	4	8	12
PCE 070 060 090	PCE 070 060 130		7.00	60	4	8	12
PCE 070 080 090	PCE 070 080 130	PCE 070 080 180	7.00	80	5	8	12
PCE 070 120 090	PCE 070 120 130	PCE 070 120 180	7.00	120	5	8	12

Pacific™ Xtreme™

PTA Balloon Catheter OTW 0.018"

AORTIC

PERIPHERAL

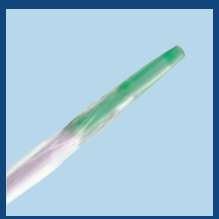
VENOUS

Versatility for everyday and beyond

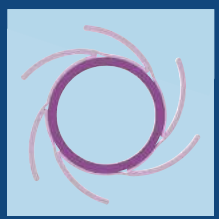
- Balloons from 150-300 mm for treating long femoropopliteal lesions
- Strong pushability and kink resistance combined with excellent flexibility*
- Low profile introducer sheath compatibility for less possible puncture trauma**

TECHNICAL SPECIFICATIONS

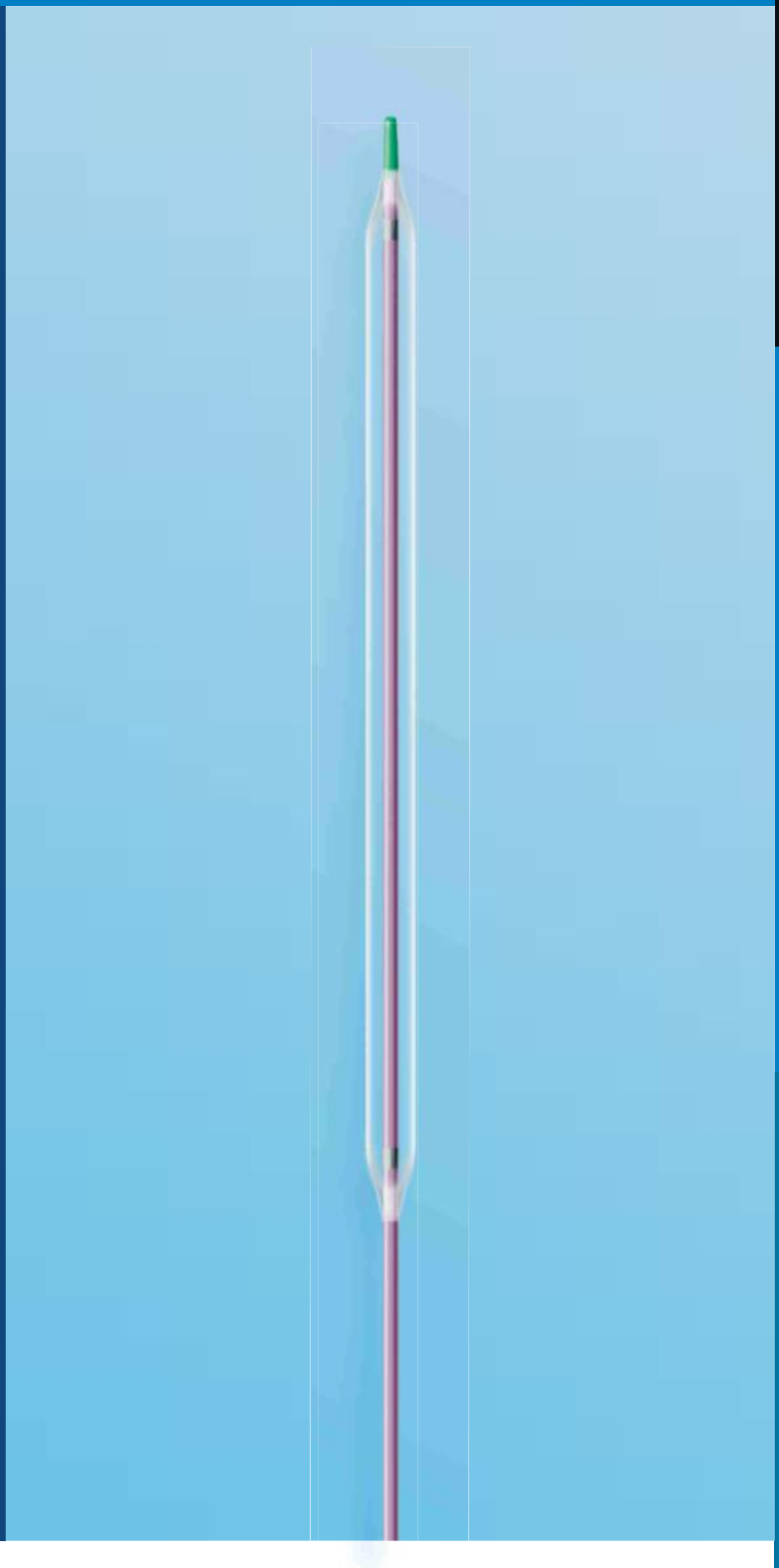
Catheter design	Over-the-wire, Coaxial Shaft
Balloon coating	Hydrophilic
Balloon marker	2 swaged, platinum iridium
Shaft diameter	3.9 – 4.2 F
Usable shaft lengths	90, 130 and 180 cm
Introducer sheath compatility	4,5 F
Guidewire compatibility	0.018"



Tapered tip



Six-fold balloon



* Bench test data on file at Medtronic, Inc. Test data not indicative of clinical performance.
** 4F/5F depending on diameter and length.

Pacific™ Xtreme

PTA Balloon Catheter OTW 0.018"

ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	Nominal Pressure (atm)	RBP (atm)
Usable Length 90 cm	Usable Length 130 cm	Usable Length 180 cm					
PCF 040 150 090	PCF 040 150 130	PCF 040 150 180	4.00	150	4	6	14
PCF 040 200 090	PCF 040 200 130		4.00	200	4	6	14
PCF 040 250 090	PCF 040 250 130		4.00	250	4	6	14
PCF 040 300 090	PCF 040 300 130		4.00	300	4	6	14
PCF 050 150 090	PCF 050 150 130	PCF 050 150 180	5.00	150	4	6	14
PCF 050 200 090	PCF 050 200 130		5.00	200	4	6	14
PCF 050 250 090	PCF 050 250 130		5.00	250	5	6	14
PCF 050 300 090	PCF 050 300 130		5.00	300	5	6	14
PCF 060 150 090	PCF 060 150 130		6.00	150	5	6	12
PCF 060 200 090	PCF 060 200 130		6.00	200	5	6	12
PCF 060 250 090	PCF 060 250 130		6.00	250	5	6	12
PCF 060 300 090	PCF 060 300 130		6.00	300	5	6	12
PCF 070 150 090	PCF 070 150 130		7.00	150	5	6	12
PCF 070 200 090	PCF 070 200 130		7.00	200	5	6	12
PCF 070 250 090	PCF 070 250 130		7.00	250	5	6	12

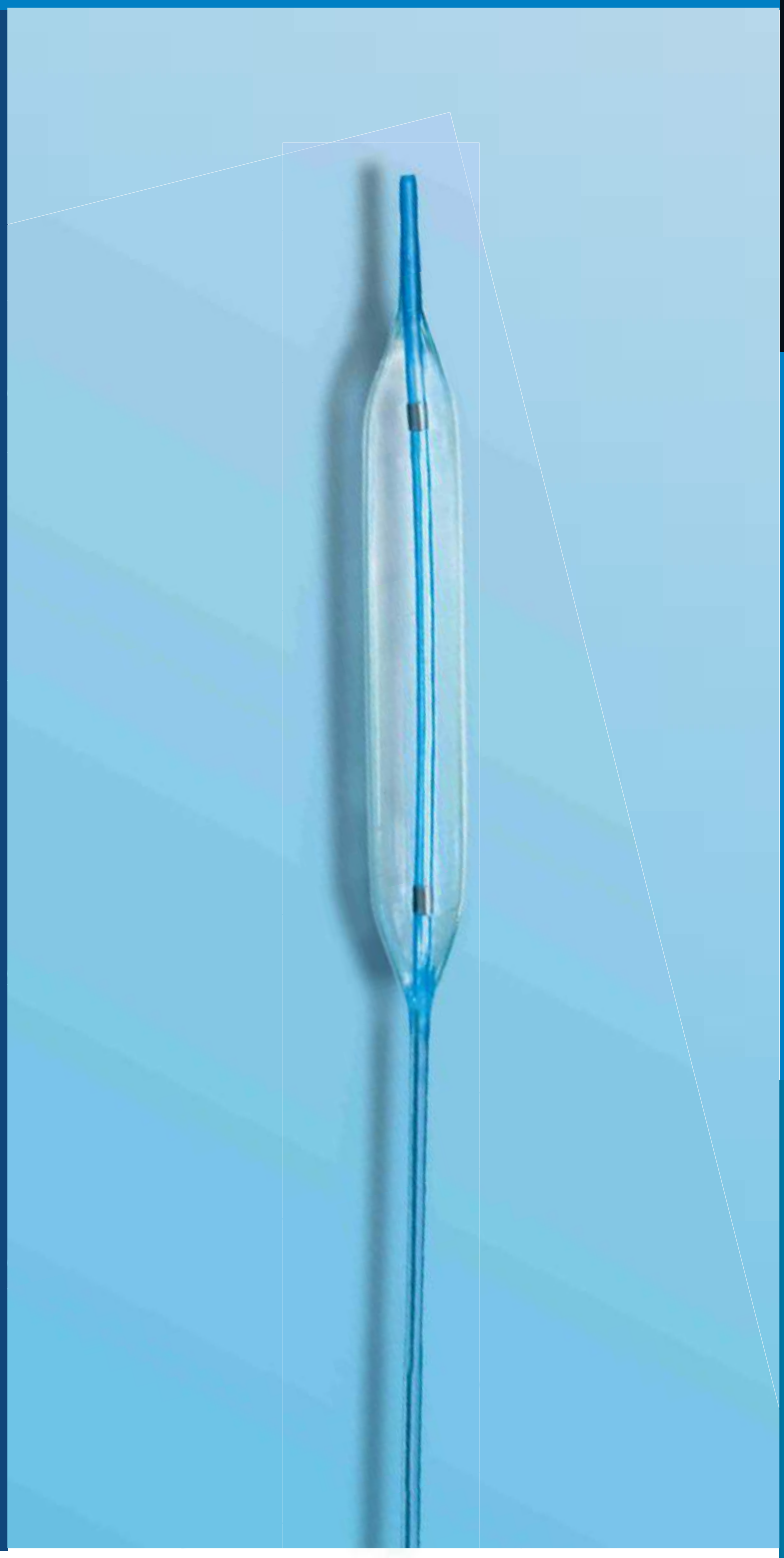
Submarine™ Rapido

PTA Balloon Catheter RX 0.018"

AORTIC

PERIPHERAL

VENOUS



Low profile with strength and control

Low profile

Compatible with 6F guiding catheter***

- Swaged "zero profile" markers enable easy penetration of the target lesion
- Special 3-folded balloon minimizes the re-wrap profile
- 0.021" tip entry profile to enhance crossability of subocclusive lesions

Strength and control

For carotid** and renal interventions, a delicate and high performance PTA is required

- Flexitec LP material allows for a wide working range from nominal pressure of 7 bar up to 17 bar RBP
- Controlled balloon compliance for exact sizing and reliable balloon performance

Shaft design

- Push transmission by homogeneous RX transition and adequate flexibility of the distal part
- Hydrophilic coating for swift and easy navigation

Size mix

- Broad size mix (including diameters up to 7 mm) makes this catheter appropriate for carotid* and renal interventions

TECHNICAL SPECIFICATIONS

Catheter design	Rapid exchange (RX)
Balloon coating	Hydrophilic
Balloon marker	2 swaged, Platinum Iridium
Shaft diameter	Proximal 2.3 F Distal 3.0 – 3.5 F
Usable shaft lengths	135 cm
Introducer sheath compatility	6,7 F
Guidewire compatibility	0.018"
Nominal pressure	7 atm

* Bench test data on file at Medtronic. Test data not indicative of actual performance.
** All codes with balloon lengths up to 40mm are certified for Carotid application.
*** Up to 6mm balloon diameter.

Submarine™ Rapido

PTA Balloon Catheter RX 0.018"

ORDER INFORMATION

Product Catalogue Number Shaft Length 135 cm	Balloon Diameter (mm)	Balloon Length (mm)	RBP (atm)	Usable Shaft Length (cm)	Guiding Catheter Compatibility (F)	Distal Shaft Diameter (F)
SBR 020 020 135	2.00	20	17	135	6	3.0
SBR 020 040 135	2.00	40	17	135	6	3.0
SBR 020 060 135	2.00	60	15	135	6	3.0
SBR 025 020 135	2.50	20	17	135	6	3.0
SBR 025 040 135	2.50	40	17	135	6	3.0
SBR 025 060 135	2.50	60	15	135	6	3.0
SBR 030 020 135	3.00	20	17	135	6	3.0
SBR 030 040 135	3.00	40	17	135	6	3.0
SBR 030 060 135	3.00	60	15	135	6	3.0
SBR 030 080 135	3.00	80	15	135	6	3.0
SBR 035 020 135	3.50	20	17	135	6	3.5
SBR 035 030 135	3.50	30	17	135	6	3.5
SBR 040 020 135	4.00	20	17	135	6	3.5
SBR 040 030 135	4.00	30	17	135	6	3.5
SBR 040 040 135	4.00	40	17	135	6	3.5
SBR 045 020 135	4.50	20	17	135	6	3.5
SBR 045 040 135	4.50	40	17	135	6	3.5
SBR 050 020 135	5.00	20	16	135	6	3.5
SBR 050 030 135	5.00	30	16	135	6	3.5
SBR 050 040 135	5.00	40	16	135	6	3.5
SBR 055 020 135	5.50	20	16	135	6	3.5
SBR 055 030 135	5.50	30	16	135	6	3.5
SBR 055 040 135	5.50	40	16	135	6	3.5
SBR 060 020 135	6.00	20	16	135	6	3.5
SBR 060 030 135	6.00	30	16	135	6	3.5
SBR 060 040 135	6.00	40	16	135	6	3.5
SBR 065 020 135	6.50	20	16	135	7	3.5
SBR 065 030 135	6.50	30	16	135	7	3.5
SBR 065 040 135	6.50	40	16	135	7	3.5
SBR 070 020 135	7.00	20	16	135	7	3.5
SBR 070 030 135	7.00	30	16	135	7	3.5
SBR 070 040 135	7.00	40	16	135	7	3.5

The Submarine Rapido PTA catheter is indicated for PTA in patients with obstructive disease in peripheral arteries (i.e. carotid, supraaortic, ilio-femoral, popliteal, infrapopliteal, and renal arteries).

Amphirion™ Deep

Infrapopliteal PTA Balloon Catheter OTW 0.014"

AORTIC

PERIPHERAL

VENOUS

Easy access to the extremities*

- Tip profile (0.017")
- LFC hydrophilic coating
- Three-step shaft design to optimize tracking through distal vessels
- Reinforced proximal shaft design for strong pushability
- 4 F compatible in all sizes

Balloon sizes to accommodate your needs*

- Size range 1.5–4.0 mm in diameter and 20–210 mm in length
- Long balloons (up to 210 mm) are suited for treatment of extremely diffuse lesions

Conformable balloon material*

- Proprietary polymer blend provides wonderful conformability

Tapered balloon*

- The 210 mm balloon tapers by 0.5 mm to respect the arterial anatomy

TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Balloon marker	1/2 swaged, Platinum Iridium
Shaft diameter	Proximal 3.9 F Middle 3.3 F Distal 2.8 F
Introducer sheath compatility	4 F
Guidewire compatibility	0.014"
Nominal pressure	7 atm

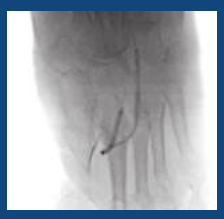
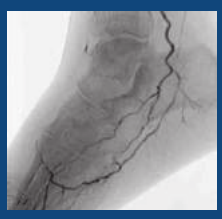


Image courtesy of Dr. Marco Manzi, Italy.



Below the ankle

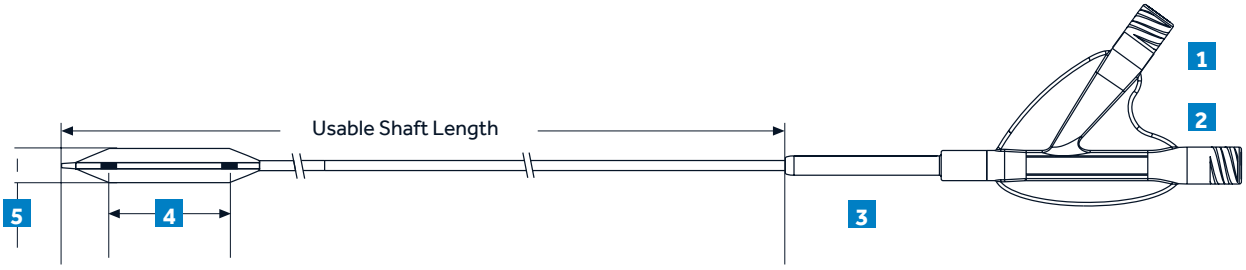
* Bench Test Data on file with Medtronic, Inc.
Test data not indicative of clinical performance

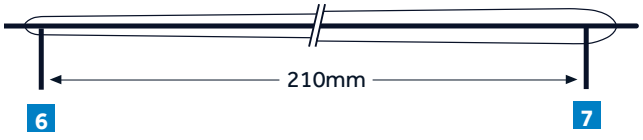
Amphirion™ Deep

Infrapopliteal PTA Balloon Catheter OTW 0.014"

ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	Nominal Pressure (BAR)	RBP (BAR)
OTW Usable Length 120 cm	OTW Usable Length 150 cm					
AMD 015 020 001	AMD 015 020 151	1.5	20	4	7	14
AMD 015 020 002	AMD 015 020 152	1.5	20	4	7	14
AMD 020 040 002	AMD 020 040 152	2.0	40	4	7	15
AMD 020 080 002	AMD 020 080 152	2.0	80	4	7	14
AMD 020 120 002	AMD 020 120 152	2.0	120	4	7	14
AMD 020 150 002	AMD 020 150 152	2.0	150	4	7	14
AMD 025 040 002	AMD 025 040 152	2.5	40	4	7	16
AMD 025 080 002	AMD 025 080 152	2.5	80	4	7	15
AMD 025 120 002	AMD 025 120 152	2.5	120	4	7	14
AMD 025 150 002	AMD 025 150 152	2.5	150	4	7	14
AMD 030 040 002	AMD 030 040 152	3.0	40	4	7	16
AMD 030 080 002	AMD 030 080 152	3.0	80	4	7	15
AMD 030 120 002	AMD 030 120 152	3.0	120	4	7	14
AMD 030 150 002	AMD 030 150 152	3.0	150	4	7	14
AMD 035 040 002	AMD 035 040 152	3.5	40	4	7	16
AMD 035 080 002	AMD 035 080 152	3.5	80	4	7	15
AMD 035 120 002	AMD 035 120 152	3.5	120	4	7	14
AMD 035 150 002	AMD 035 150 152	3.5	150	4	7	14
AMD 040 040 002	AMD 040 040 152	4.0	40	4	7	16
AMD 040 080 002	AMD 040 080 152	4.0	80	4	7	15
AMD 040 120 002	AMD 040 120 152	4.0	120	4	7	14
AMD 040 150 002	AMD 040 150 152	4.0	150	4	7	14
AMD 225 210 002	AMD 225 210 152	2.0/2.5	210	4	7	14
AMD 253 210 002	AMD 253 210 152	2.5/3.0	210	4	7	14
AMD 335 210 002	AMD 335 210 152	3.0/3.5	210	4	7	14
AMD 354 210 002	AMD 354 210 152	3.5/4.0	210	4	7	14





1 Balloon inflation port
2 Guidewire port
3 Kink protection
4 Balloon length
5 Balloon diameter
6 Distal balloon diameter
7 Proximal balloon diameter

NanoCross™ Elite

OTW PTA Dilatation Catheter 0.014"

NanoCross™ Elite, the next generation 0.014" PTA balloon, with its 360° beveled tip provides smooth transition from wire to tip.
The SlimTec™ balloon-folding process is designed to provide the lowest 0.014" crossing profile.

TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Useable catheter lengths	90 and 150 cm
Introducer sheath compatibility	4 F
Guidewire compatibility	0.014"

AORTIC

PERIPHERAL

VENOUS

NanoCross™ Elite

OTW PTA Dilatation Catheter 0.014"

ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Pressure (atm)	Introducer Sheath (F)
90 cm Catheter Length	150 cm Catheter Length					
AB14W015020090	AB14W015020150	1.5	20	8	14	4
AB14W015040090	AB14W015040150	1.5	40	8	14	4
AB14W020020090	AB14W020020150	2	20	8	14	4
AB14W020040090	AB14W020040150	2	40	8	14	4
AB14W020060090	AB14W020060150	2	60	8	14	4
AB14W020080090	AB14W020080150	2	80	8	14	4
AB14W020100090	AB14W020100150	2	100	8	14	4
AB14W020120090	AB14W020120150	2	120	8	14	4
AB14W020150090	AB14W020150150	2	150	8	14	4
AB14W020210090	AB14W020210150	2	210	8	14	4
AB14W025020090	AB14W025020150	2.5	20	8	14	4
AB14W025040090	AB14W025040150	2.5	40	8	14	4
AB14W025060090	AB14W025060150	2.5	60	8	14	4
AB14W025080090	AB14W025080150	2.5	80	8	14	4
AB14W025100090	AB14W025100150	2.5	100	8	14	4
AB14W025120090	AB14W025120150	2.5	120	8	14	4
AB14W025150090	AB14W025150150	2.5	150	8	14	4
AB14W025210090	AB14W025210150	2.5	210	8	14	4
AB14W030020090	AB14W030020150	3	20	8	14	4
AB14W030040090	AB14W030040150	3	40	8	14	4
AB14W030060090	AB14W030060150	3	60	8	14	4
AB14W030080090	AB14W030080150	3	80	8	14	4
AB14W030100090	AB14W030100150	3	100	8	14	4
AB14W030120090	AB14W030120150	3	120	8	14	4
AB14W030150090	AB14W030150150	3	150	8	14	4
AB14W030210090	AB14W030210150	3	210	8	14	4
AB14W035020090	AB14W035020150	3.5	20	8	14	4
AB14W035040090	AB14W035040150	3.5	40	8	14	4
AB14W035060090	AB14W035060150	3.5	60	8	14	4
AB14W035080090	AB14W035080150	3.5	80	8	14	4
AB14W035100090	AB14W035100150	3.5	100	8	14	4
AB14W035120090	AB14W035120150	3.5	120	8	14	4
AB14W035150090	AB14W035150150	3.5	150	8	14	4
AB14W035210090	AB14W035210150	3.5	210	8	14	4
AB14W040020090	AB14W040020150	4	20	8	14	4
AB14W040040090	AB14W040040150	4	40	8	14	4
AB14W040060090	AB14W040060150	4	60	8	14	4
AB14W040080090	AB14W040080150	4	80	8	14	4
AB14W040100090	AB14W040100150	4	120	8	14	4
AB14W040120090	AB14W040120150	4	100	8	14	4
AB14W040150090	AB14W040150150	4	150	8	14	4
AB14W040210090	AB14W040210150	4	210	8	14	4
AB14W050020090	AB14W050020150	5	20	8	14	5
AB14W050040090	AB14W050040150	5	40	8	14	5
AB14W050060090	AB14W050060150	5	60	8	14	5
AB14W050080090	AB14W050080150	5	80	8	14	5
AB14W050100090	AB14W050100150	5	100	8	14	5
AB14W050120090	AB14W050120150	5	120	8	14	5
AB14W050150090	AB14W050150150	5	150	8	14	5
AB14W050200090	AB14W050200150	5	200	8	14	5
AB14W060020090	AB14W060020150	6	20	8	14	5
AB14W060040090	AB14W060040150	6	40	8	14	5
AB14W060060090	AB14W060060150	6	60	8	14	5
AB14W060080090	AB14W060080150	6	80	8	14	5
AB14W060100090	AB14W060100150	6	100	8	14	5
AB14W060120090	AB14W060120150	6	120	8	14	5
AB14W060150090	AB14W060150150	6	150	8	14	5
AB14W060200090	AB14W060200150	6	200	8	14	6

INDICATIONS: The NanoCross™ Elite 0.014" Over-the-Wire PTA Dilation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

Each system includes: One PTA balloon catheter, one compliance chart and one balloon folding tool.

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RapidCross™

PTA Balloon Dilatation Catheter RX 0.014"

RapidCross™ 0.014 PTA Balloon Catheter was developed exclusively for below the knee treatment. Every detail, from the 0.017" tip entry profile to the Rapid Exchange Port construction was thoughtfully designed for exceptional performance.

Low profile
- For ease in crossing

Dual middle marker bands*
- For enhanced visualization and accuracy

Tapered long balloon**
- Tailored to distal tibial and pedal anatomy

Maximum inner lumen
- For 2-3 times faster deflation

Proprietary balloon coating
- Ensures sustained lubricity for crossing challenging lesions

* Dual middle marker bands available on 150 mm and 210 mm balloon lengths
** Tapered balloon available in 210 mm balloon length

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PERIPHERAL

VENOUS

RapidCross™

PTA Balloon Dilatation Catheter RX 0.014"

ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Rated Burst Pressure (atm)	Recommended Introducer Sheath (F)
Catheter Shaft Length 90 cm	Catheter Shaft Length 170 cm					
A14BX020020090	A14BX020020170	2.0	20	8	14	4
A14BX020040090	A14BX020040170	2.0	40	8	14	4
A14BX020060090	A14BX020060170	2.0	60	8	14	4
A14BX020080090	A14BX020080170	2.0	80	8	14	4
A14BX020100090	A14BX020100170	2.0	100	8	14	4
A14BX020120090	A14BX020120170	2.0	120	8	14	4
A14BX020150090	A14BX020150170	2.0	150	8	14	4
A14BX020210090	A14BX020210170	2.0 proximal / 1.5 distal	210	8	14	4
A14BX025020090	A14BX025020170	2.5	20	8	14	4
A14BX025040090	A14BX025040170	2.5	40	8	14	4
A14BX025060090	A14BX025060170	2.5	60	8	14	4
A14BX025080090	A14BX025080170	2.5	80	8	14	4
A14BX025100090	A14BX025100170	2.5	100	8	14	4
A14BX025120090	A14BX025120170	2.5	120	8	14	4
A14BX025150090	A14BX025150170	2.5	150	8	14	4
A14BX025210090	A14BX025210170	2.5 proximal / 2.0 distal	210	8	14	4
A14BX030020090	A14BX030020170	3	20	8	14	4
A14BX030040090	A14BX030040170	3	40	8	14	4
A14BX030060090	A14BX030060170	3	60	8	14	4
A14BX030080090	A14BX030080170	3	80	8	14	4
A14BX030100090	A14BX030100170	3	100	8	14	4
A14BX030120090	A14BX030120170	3	120	8	14	4
A14BX030150090	A14BX030150170	3	150	8	14	4
A14BX030210090	A14BX030210170	3.0 proximal / 2.5 distal	210	8	14	4
A14BX035020090	A14BX035020170	3.5	20	8	14	4
A14BX035040090	A14BX035040170	3.5	40	8	14	4
A14BX035060090	A14BX035060170	3.5	60	8	14	4
A14BX035080090	A14BX035080170	3.5	80	8	14	4
A14BX035100090	A14BX035100170	3.5	100	8	14	4
A14BX035120090	A14BX035120170	3.5	120	8	14	4
A14BX035150090	A14BX035150170	3.5	150	8	14	4
A14BX035210090	A14BX035210170	3.5 proximal / 3.0 distal	210	8	14	4
A14BX040020090	A14BX040020170	4	20	8	14	4
A14BX040040090	A14BX040040170	4	40	8	14	4
A14BX040060090	A14BX040060170	4	60	8	14	4
A14BX040080090	A14BX040080170	4	80	8	14	4
A14BX040100090	A14BX040100170	4	100	8	14	4
A14BX040120090	A14BX040120170	4	120	8	14	4
A14BX040150090	A14BX040150170	4	150	8	14	4
A14BX040210090	A14BX040210170	4.0 proximal / 3.5 distal	210	8	14	4

INDICATIONS: The RapidCross™ rapid exchange PTA balloon dilatation catheter is intended to dilate stenoses in the iliac, femoral, iliofemoral, popliteal, infrapopliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

Chocolate™

PTA Balloon

Minimize vessel trauma, dissections and the need for bailout stenting above or below the knee with the Chocolate™ PTA balloon. The balloon's unique nitinol constraining structure creates pillows and grooves that provide a predictable, uniform and atraumatic dilatation.

- Minimize vessel trauma
- Reduce dissections
- Decrease bailout stenting

TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Useable catheteer lengths	120, 135 and 150 cm
Introducer sheath compatibility	5, 6 F
Guidewire compatibility	0,014" and 0,018"

Chocolate™

PTA Balloon

Braided Catheter Shaft

- Designed to provide robust pushability to reach and cross lesions

Grooves

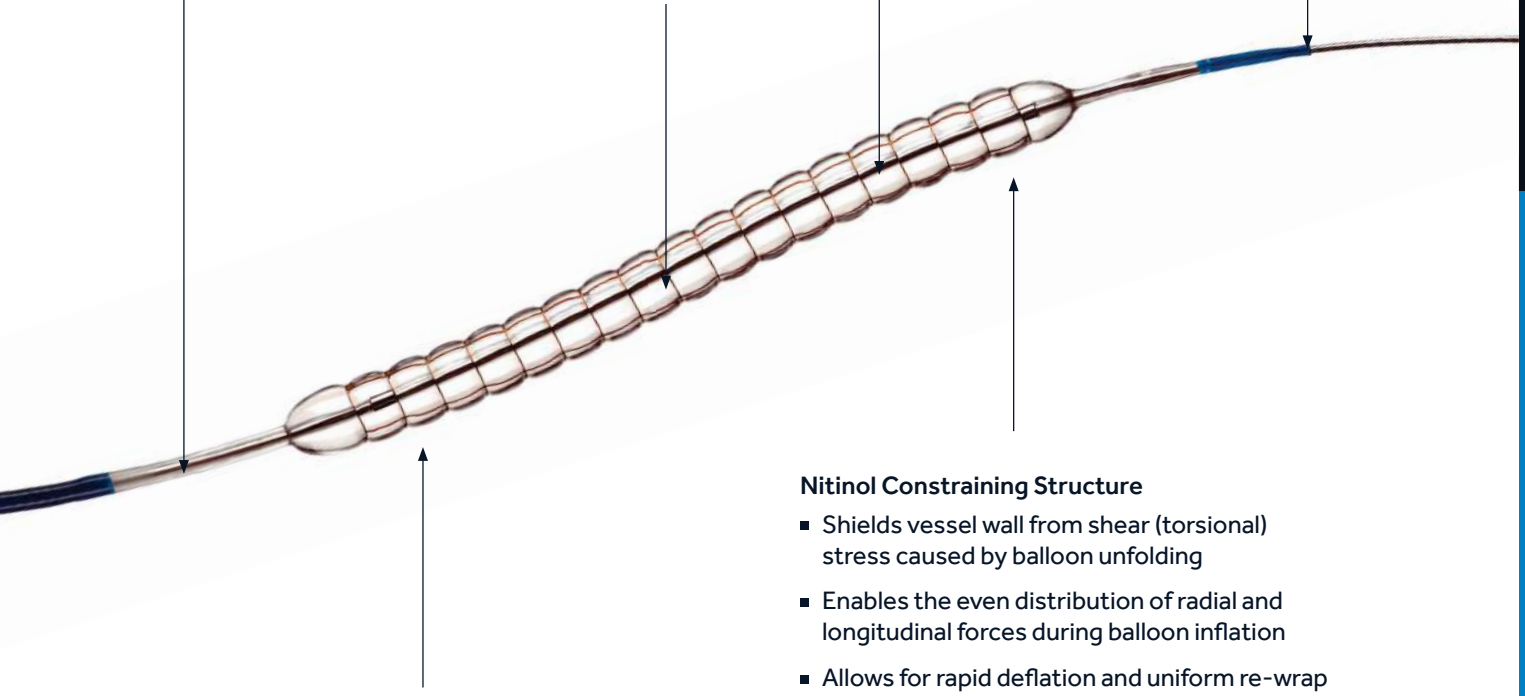
- Allow for plaque release, minimizing traumatic angioplasty effect

Pillows

- Provide predictable vessel dilation without cutting or scoring

Tapered Tip

- Enables lower entry profile for optimal lesion access

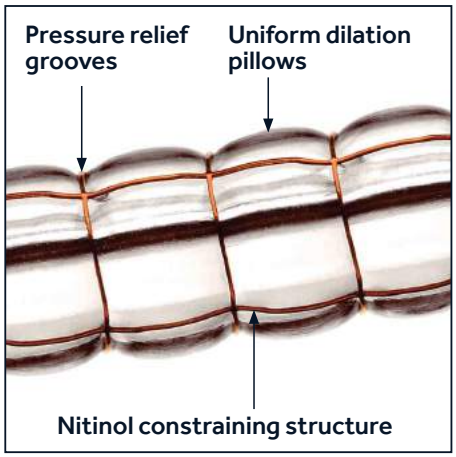


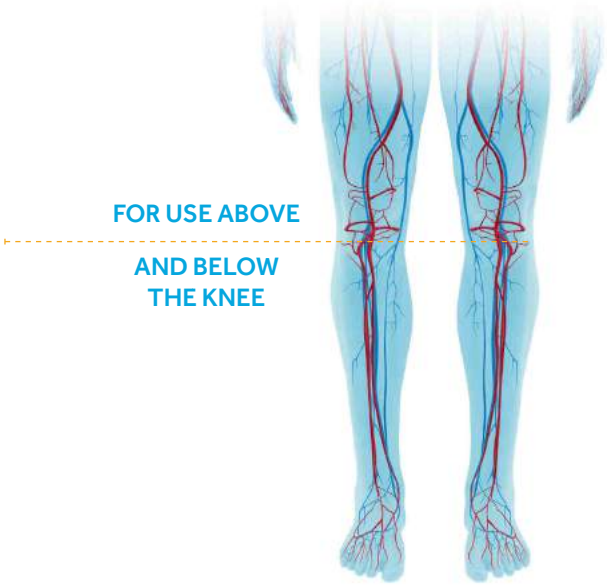
Nitinol Constraining Structure

- Shields vessel wall from shear (torsional) stress caused by balloon unfolding
- Enables the even distribution of radial and longitudinal forces during balloon inflation
- Allows for rapid deflation and uniform re-wrap

Nylon, Semi-Compliant Balloon

- Allows for optimal balloon pillow formation





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Chocolate™

PTA Balloon

ORDER INFORMATION

Product Catalogue Number	Balloon Diameter (mm)	Balloon Length (mm)	Catheter Length (cm)	Guidewire (in)	Introducer Sheath (F)	Nominal Pressure (atm)	Rated Burst Pressure (atm)
CE1415025040 OTW	2.5	40	150	0.014"	5	9	14
CE1415025080 OTW		80					
CE1415025120 OTW		120					
CE1415030040 OTW	3.0	40					
CE1415030080 OTW		80					
CE1415030120 OTW		120					
CE1413535040 OTW	3.5	40	135				
CE1413535080 OTW		80					
CE1413535120 OTW		120					
CE1413540040 OTW	4.0	40					
CE1413540080 OTW		80					
CE1413540120 OTW		120					
CE1812050040 OTW	5.0	40	120	0.018"	6	6	12
CE1812050080 OTW		80					
CE1812050120 OTW		120					
CE1812060040 OTW	6.0	40					
CE1812060080 OTW		80					
CE1812060120 OTW		120					

Important Information: Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device.
Indications for Use: The Chocolate™ PTA Balloon Catheter is intended for balloon dilatation of lesions in the peripheral vasculature, including the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries.
CAUTION: Federal (USA) law restricts these products for sale by or on the order of a physician.

DIRECTIONAL ATHERECTOMY

HawkOne™

Directional Atherectomy System

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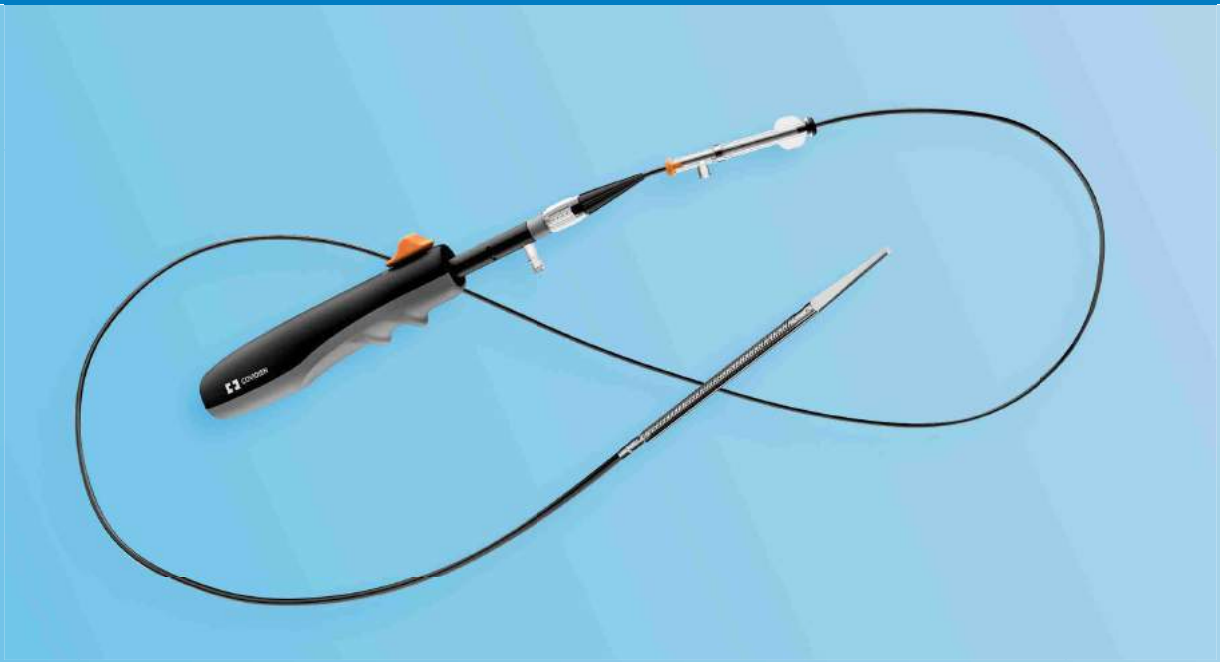


One device for above and below the knee available in 6 F and 7 F sizes

Just as the name implies, the all-new HawkOne™ Directional Atherectomy System is one device that treats all morphologies[1], including severe calcium, and offers procedural efficiency with enhanced cutting, crossing, and cleaning capabilities.*

One device that:

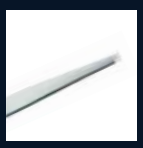
- Treats all morphologies
- Offers procedural efficiency
- Restores blood flow in PAD patients

CUTTING BLADE
Four contoured cutting blades engage and treat all atherosclerotic morphologies.

DRIVE SHAFT
A four layered, counter-wound design efficiently transmits power, offering a **25%** improvement* in torsional performance.

JOG
Optimized* for improved engagement in calcified lesions with no increase in cut depth.

CUTTER DRIVER
Ergonomically redesigned to effectively treat all atheroscletoric plaque.



DISTAL TIP
A tapered, radiopaque distal tip provides enhanced* deliverability and visualization under angiography.

* Comparison and claims in reference to the TurboHawk™ High Efficiency Cutter.

[1] HawkOne™ Bench Performance Verfication Testing (RE-PV13728); Calcified Cutting Efficiency Bench Validation Data (RE-PV13729)

HawkOne™

Directional Atherectomy System

Unlike orbital, laser, or rotational atherectomy, the HawkOne™ Directional Atherectomy System, with its directional cutting design, offers the greatest versatility when treating PAD. Whether your atherectomy goal is to maximize luminal gain[2], to create in-line flow, or to target eccentric circumferential disease, the HawkOne™ is your go-to choice.

ORDER INFORMATION
HAWKONE™ DIRECTIONAL ATHERECTOMY SYSTEM

	Model Name	Product Catalogue Number	Vessel Diameter (mm)	Sheath Compatibility (F)	Crossing Profile (mm)	Working Length[3] (cm)	Effective Length[4] (cm)	Tip Length (cm)	Max. cut Length (mm)
6 F	HawkOne™ M (KIT)**	H1-M-6FKIT	3.0-7.0	6	2.2	135	129	5.9	40
	HawkOne™ M+	H1-M-INT	3.0-7.0	6	2.2	135	129	5.9	40
	HawkOne™ S (KIT)**	H1-S-6FKIT	2.0-4.0	6	2.2	151	145	5.9	40
	HawkOne™ S+	H1-S-INT	2.0-4.0	6	2.2	151	145	5.9	40
7 F	HawkOne™ LS Standard tip (KIT)**	H1-LS-7FKIT	3.5 - 7.0	7	2.6	114	107	6.6	50
	HawkOne™ LS Standard tip+	H1-LS-INT	3.5 - 7.0	7	2.6	114	107	6.6	50
	HawkOne™ LX Extended tip (KIT) **	H1-LX-7FKIT	3.5 - 7.0	7	2.6	114	104	9.6	75
	HawkOne™ LX Extended tip+	H1-LX-INT	3.5 - 7.0	7	2.6	114	104	9.6	75

ATHERECTOMY SYSTEMS

			Directional	Orbital	Laser	Rotational
Plaque modification	Maximize lumen gain	MOST VERSATILE	X			
	Restore in-line flow		X	X	X	X
Lesion morphology	Treat severe calcium		X	X		X
	Treat soft-moderate plaque		X		X	X
Plaque distribution	Target eccentric disease		X			
	Target circumferential disease		X	X	X	X

Max guidewire is 0.014" for HawkOne™ device.
** This catalogue number includes the HawkOne™ and the Cutter Driver.
+ Cutter driver H1-14550 needs to be ordered separately with this catalogue number.

[2] During Definitve LE clincal trial phsycians were able to achieve technical success defined by debulking to < 30% stenosis.
Reference DEFINITVE LE clinical trial: James F. McKinsey, MD, Thomas Zeller, MD, Krishna Rocha-Singh, MD, Michael R. Jaff, DO, and Lawrence A. Garcia, MD, Lower Extremity Revascularization Using Directional Atherectomy:
12 Month Prospective Results of the DEFINITIVE LE Study, JACC: Cardiovascular Interventions 7 (2014) pp. 923-933, 10.1016/j.jcin.2014.05.006.
[3] HawkOne™ Working Length – Distal end of pre-loaded flush tool, in the proximal position, to the distal end of tip.
[4] HawkOne™ Effective Length – Distal end of pre-loaded flush tool, in the proximal position, to the proximal end of cutter window.

TurboHawk™

Peripheral Plaque Excision System

AORTIC

PERIPHERAL

VENOUS

Key features of the TurboHawk™ device

Cutter selection

The TurboHawk™ device has two cutter options to choose from depending on the procedural need and lesion morphology.

- High-efficiency cutter – tackles soft-to-moderately calcified lesions
- Smooth cutter – treats soft-to-mild calcification

Drive shaft

The counter-wound drive shaft transmits power more efficiently to the cutting blade.

Micro Efficient Compression (MEC)™ technology

Tiny, laser-drilled holes in the nose cone allow excess fluid to escape so physicians are able to capture more plaque with each pass of the cutting blade, potentially reducing the number of insertions and procedure time.

- 45% increase in tissue collection capacity with MEC technology

Dual catheter jog

The bend in the catheter enhances contact between the cutting blade and lesion, collecting more plaque with each pass.

Distal flush tool

The distal flush tool effectively cleans and flushes plaque from the device with increased pressure.

Tapered tip

The low-profile tip of the TurboHawk™ small-vessel catheter allows the device to maneuver through tortuous anatomies and challenging lesions with greater ease.

Catheter alignment marker

This feature easily aligns the nose cone with the distal flush tool for faster cleaning.

TurboHawk™

Peripheral Plaque Excision System

ORDER INFORMATION

Model Name	Product Catalogue Number	Vessel Diameter (mm)	Sheath Compatibility (F)	Crossing Profile (inch)	Working Length[1] (cm)	Effective Length[2] (cm)	Tip Length (cm)	Max Cut Length (mm)
LS-C Super Cutter Large Vessel Standard Calcium Tip	THS-LS-C	3.5 - 7.0	7	0.105 (2.7 mm)	110	104	6.0	50
LS-M Smooth Cutter Large Vessel Standard Tip	THS-LS-M	3.5 - 7.0	7 / 8	0.105 (2.7 mm)	110	104	6.0	50
LX-C Super Cutter Large Vessel Xtended Calcium Tip	THS-LX-C	3.5 - 7.0	7	0.105 (2.7 mm)	113	104	9.0	75
LX-M Smooth Cutter Large Vessel Xtended Tip	THS-LX-M	3.5 -7 .0	7 / 8	0.105 (2.7 mm)	113	104	9.0	75
SX-C High Efficiency Cutter Small Vessel Xtended Calcium Tip	THS-SX-C	2.0 - 4.0	6	0.085 (2.2 mm)	135	129	5.9	40
SS-C High Efficiency Cutter Small Vessel Standard Calcium Tip	THS-SS-C	2.0 - 4.0	6	0.085 (2.2 mm)	133	129	3.9	20
SS-CL High Efficiency Cutter Small Vessel Standard Calcium Tip Long Catheter	THS-SS-CL	2.0 - 4.0	6	0.085 (2.2 mm)	149	145	3.9	20

Cutter driver FG02550 needs to be ordered with each TurboHawk™ device

INDICATIONS: The TurboHawk™ Peripheral Plaque Excision System is intended for use in atherectomy of the peripheral vasculature. The TurboHawk™ Catheter is not intended for use in the coronary, carotid, iliac or renal vasculature.

SilverHawk™

Peripheral Plaque Excision System

Our first-generation SilverHawk™ device treats PAD by removing soft-to-mild plaque buildup in leg arteries.

SilverHawk™ technology uses a directional cutting blade to shave plaque from the vessel—maximizing luminal gain. The plaque is captured in the nose cone of the device and safely removed from the vessel.

The SilverHawk™ device is backed by the landmark DEFINITIVE LE Clinical Study.

SilverHawk™

Peripheral Plaque Excision System

ORDER INFORMATION

Model Name	Product Catalogue Number	Vessel Diameter (mm)	Sheath Compatibility (F)	Crossing Profile (inch)	Working Length[1] (cm)	Effective Length[2] (cm)	Tip Length (cm)	Max Cut Length (mm)
LS-M Large Vessel Standard Tip	P4052	4.5 - 7.0	7 / 8	0.105 (2.7 mm)	110	104	6.0	50
LX-M Large Vessel Xtended Tip	P4055	4.5 - 6.5	7 / 8	0.105 (2.7 mm)	113	104	6.0	75
MS-M Medium Vessel Standard Tip	P4056	3.5 - 5.0	7 / 8	0.105 (2.7 mm)	110	104	6.0	50
SXL Small Vessel Xtra Long Tip	P4033	3.0 - 3.5	7	0.095 (2.4 mm)	136	129	7.2	50
SS⁺ Small Vessel Standard Tip	P4030	3.0 - 3.5	7	0.090 (2.3 mm)	135	132	2.6	15
EXL Extra Small Vessel Xtra Long Tip	P4044	2.0 - 3.0	6	0.080 (2.0 mm)	135	129	6.0	15
ES⁺ Extra Small Vessel Standard Tip	P4034	2.0 - 2.5	6	0.075 (1.9 mm)	135	132	2.2	10
DS Distal Vessel Standard Tip	P4028	1.5 - 2.0	6	0.077 (1.9 mm)	135	132	2.6	10

Cutter driver FG02550 needs to be ordered with each SilverHawk™ device

INDICATIONS: The SilverHawk™ Peripheral Plaque Excision System is intended for use in atherectomy of the peripheral vasculature. The SilverHawk™ Catheter is not intended for use in the coronary, carotid, iliac or renal vasculature.

[1]Working Length - distal end of strain relief to the distal end of tip.
[2]Effective Length – distal end of strain relief to the distal end of the cutter window.

EMBOLIC PROTECTION DEVICES

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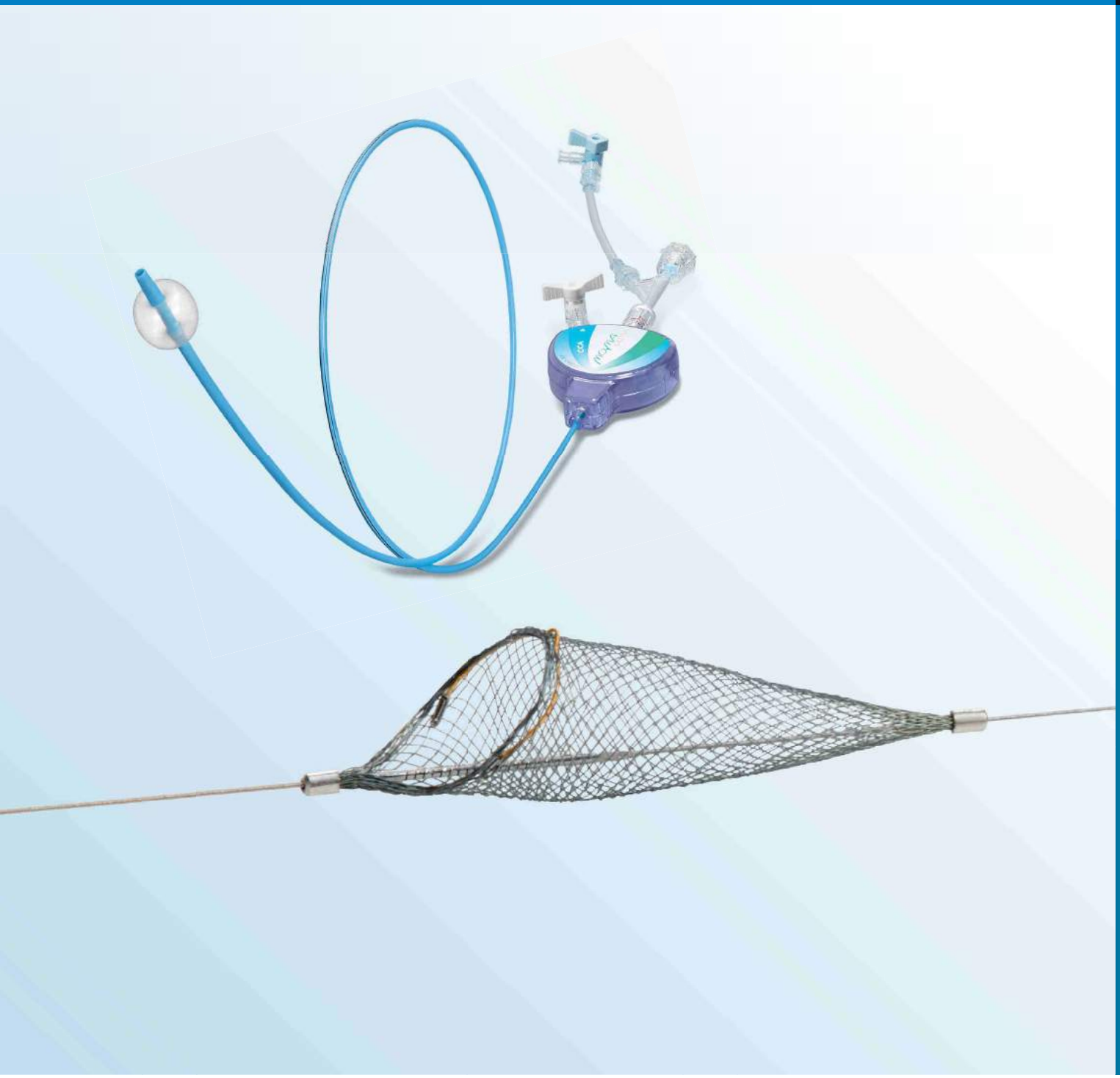

Mo.Ma™ Ultra

Cerebral Protection Device

AORTIC

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Full-time protection and control

Guide-catheter technology

- Provides excellent trackability, support and stability for ease of lesion crossing and accurate stent deployment

Working channel exit port distal to CCA balloon

- Provides lesion access and effective, efficient aspiration of debris*

Radiopaque markers

- Centrally located in each balloon for precise positioning and orientation

Optimal device selection

- Wires, stents and balloons

High-capture efficiency

- Removal of all sizes of debris**

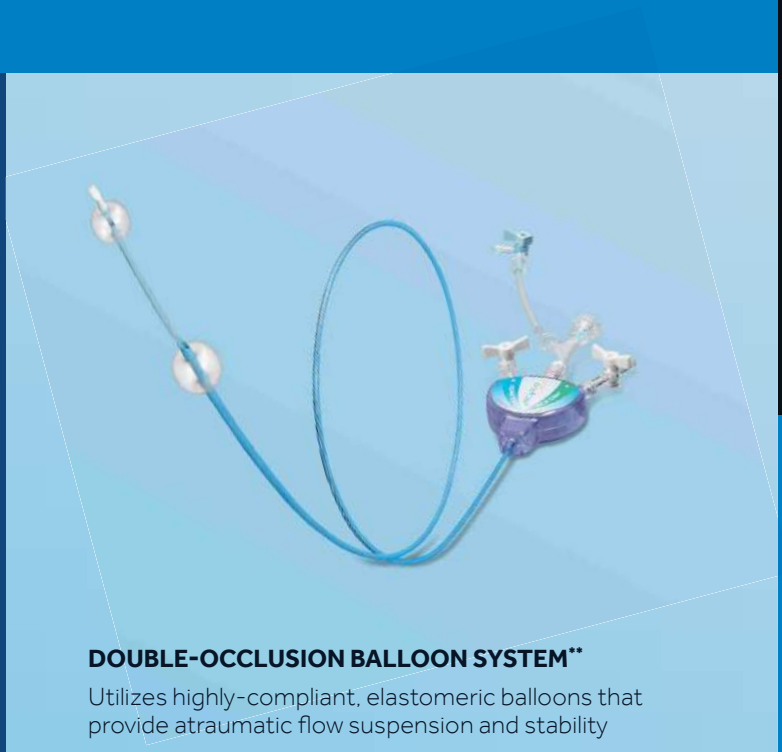
TECHNICAL SPECIFICATIONS

Balloon material	Compliant elastomeric rubber
Balloon marker distance	6 cm*
Distal shaft profile	5 F*
Recommended guidewire	0.035" (0.89 mm)
Balloon occlusion range	Up to 13 mm (CCA prox. balloon) Up to 6 mm* (ECA dist. balloon)

All sizes of debris are captured

* Double-Occlusion Balloon System only

**Bench test data on file at Medtronic, Inc. Test data not indicative of clinical performance.



DOUBLE-OCCLUSION BALLOON SYSTEM**

Utilizes highly-compliant, elastomeric balloons that provide atraumatic flow suspension and stability

MONO-OCCLUSION BALLOON SYSTEM

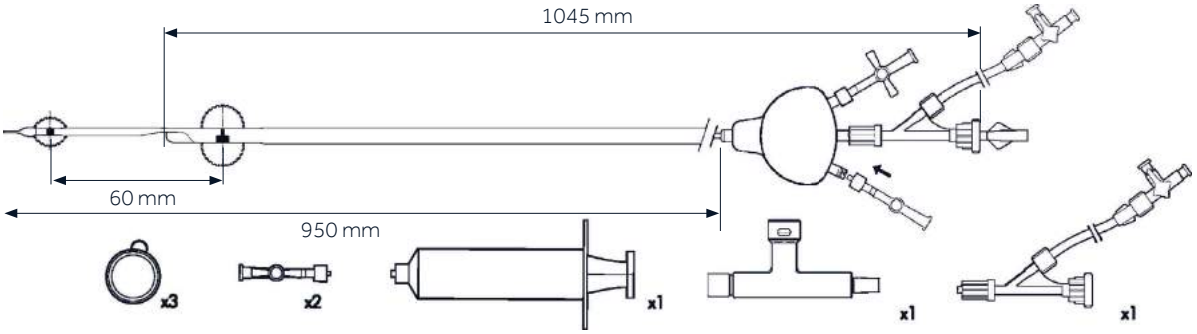
In case of occlusion of the external carotid artery (ECA), the system utilizes one highly-compliant, elastomeric balloon in the common carotid artery (CCA), that provides atraumatic flow suspension and stability.

Mo.Ma™ Ultra

Cerebral Protection Device

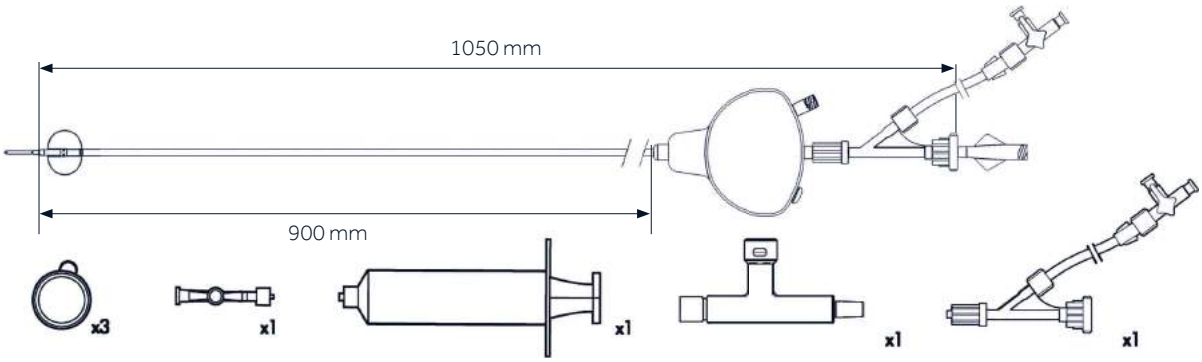
ORDER INFORMATION

Product Catalogue Number Double-Balloon	Minimum Sheath Size	Inner Diameter Of The Working Channel
MOM0130068X5	8 F	0.069"/ 1.76 mm
MOM0130069X6	9 F	0.083" / 2.12 mm



ORDER INFORMATION

Product Catalogue Number Mono-Balloon	Minimum Sheath Size	Inner Diameter Of The Working Channel
MOM0130008X5	8 F	0.069"/ 1.76 mm



SpiderFX™

Embolic Protection System

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The SpiderFX™ System is the only embolic protection device that works with any 0.014"or 0.018"guidewire of choice to cross the most challenging lesions.

The device offers enhanced visibility due to the nitinol frame with gold / tungsten marker. The extensive product portfolio permits treatment within a range of vessel sizes from 2 mm to 7 mm. The SpiderFX™ System is compatible with a guide catheter / sheath minimum ID of 0.066" (typically a 6 F guide catheter or 5 F access / long sheath). Check catheter manufacturer information for size compatibility.

The use of the SpiderFX™ device is strongly associated with:

- Lower costs
- Shorter inpatient hospital stays
- Lower ICU utilization rate
- Shorter OR times

Basket design

- The unique braided nitinol filter conforms to the vessel wall and maintains full-wall apposition during the intervention. Flow is directed into the filter's conical design, effectively capturing debris while maintaining blood flow

Visible markers

- A gold tungsten loop around the mouth of the filter, along with radiopaque markers, allows for precise positioning and verification of apposition before proceeding with the intervention

Wire movement

- The capture wire (available in 190 cm and 320 cm lengths) rotates and moves longitudinally, independent of the filter, for enhanced stability during the procedure
- The SpiderFX™ device is available in a variety of sizes (3 – 7 mm) for optimal fit and apposition in a range of vessels

SpiderFX™

Embolic Protection System

ORDER INFORMATION

Product Catalogue Number (1/Box)	Capture Wire				Delivery Catheter Cross Profile (F)	Recovery Catheter Diameter (F)	Guide Catheter Sheath Minimum ID (inch)
	Filter Size (mm)	Target Vessel Size (mm)	Wire Length OTW/RX (cm)	Wire Diameter (inch / mm)			
SPD2-030-190	3.0	2.0–3.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-030-320	3.0	2.0–3.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066
SPD2-040-190	4.0	3.1–4.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-040-320	4.0	3.1–4.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066
SPD2-050-190	5.0	4.1–5.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-050-320	5.0	4.1–5.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066
SPD2-060-190	6.0	4.5–6.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-060-320	6.0	4.5–6.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066
SPD2-070-190	7.0	5.5–7.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-070-320	7.0	5.5–7.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066

INDICATIONS:
The SpiderFX™ Embolic Protection System provides distal embolization protection during general vascular use, including peripheral, coronary, and carotid interventions.

CROSSING CATHETERS

TrailBlazer™

Support Catheter

TrailBlazer™ support catheter is a single lumen over the wire support catheter with a low-profile, tapered tip.

Three platinum / iridium markers are embedded between the two layers of this seamless catheter.

TrailBlazer™ is designed for increased pushability for crossing tight stenoses and occlusions.

Each box includes:

Five catheters in single sterile pouches.

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TrailBlazer™

Support Catheter

ORDER INFORMATION

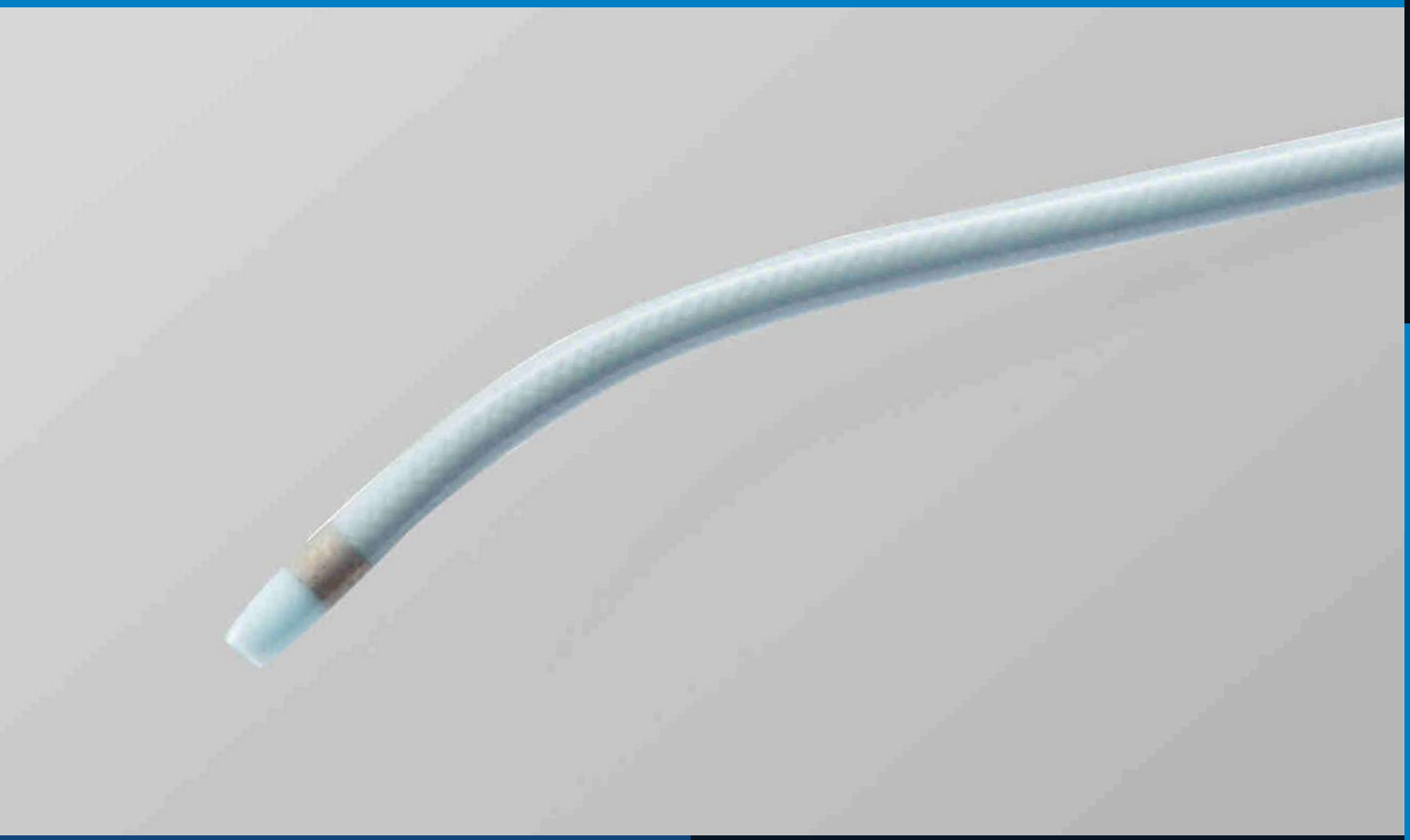
Product Catalogue Number (5/Box)	Guidewire Compatibility (inch)	Usable Catheter Length (cm)	Space Between Radiopaque Markers (mm)	Minimum Guide Catheter (F)	Minimum Introducer Sheath (F)
SC-035-065	0.035	65	50	6	5
SC-035-090	0.035	90	50	6	5
SC-035-135	0.035	135	50	6	5
SC-035-150	0.035	150	50	6	5
SC-018-090	0.018	90	15	5	4
SC-018-135	0.018	135	15	5	4
SC-018-150	0.018	150	15	5	4
SC-014-135	0.014	135	15	5	4
SC-014-150	0.014	150	15	5	4

INDICATIONS: The TrailBlazer™ Support Catheters are percutaneous, single lumen catheters designed for use in the peripheral vascular system.

TrailBlazer™ is intended to guide and support a guidewire during access of the vasculature, allow for wire exchanges, and provide a conduit for the delivery of saline solutions or diagnostic contrast agents.

TrailBlazer™

Angled Support Catheter



Braided catheter

Stainless steel braid provides robust pushability and kink resistance

Ultra low profile tip

Tapered design provides low lesion entry to aid in crossing

1:1 torque

Reliable rotational control

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TrailBlazer™

Angled Support Catheter

ORDER INFORMATION

	Minimum Guide Sheath (F)	Minimum Introducer Sheath (F)	Marker Band Space (mm)	Size Outer Diameter (in)	Product Catalogue Number			
					65 cm	90 cm	135 cm	150 cm
0.014"	5	4	15	0.030" (2.3 F)		ASC-014-090	ASC-014-135	ASC-014-150
0.018"	5	4	15	0.034" (2.6 F)		ASC-018-090	ASC-018-135	ASC-018-150
0.035"	5	4	50	0.050"	ASC-035-065	ASC-035-090	ASC-035-135	ASC-035-150

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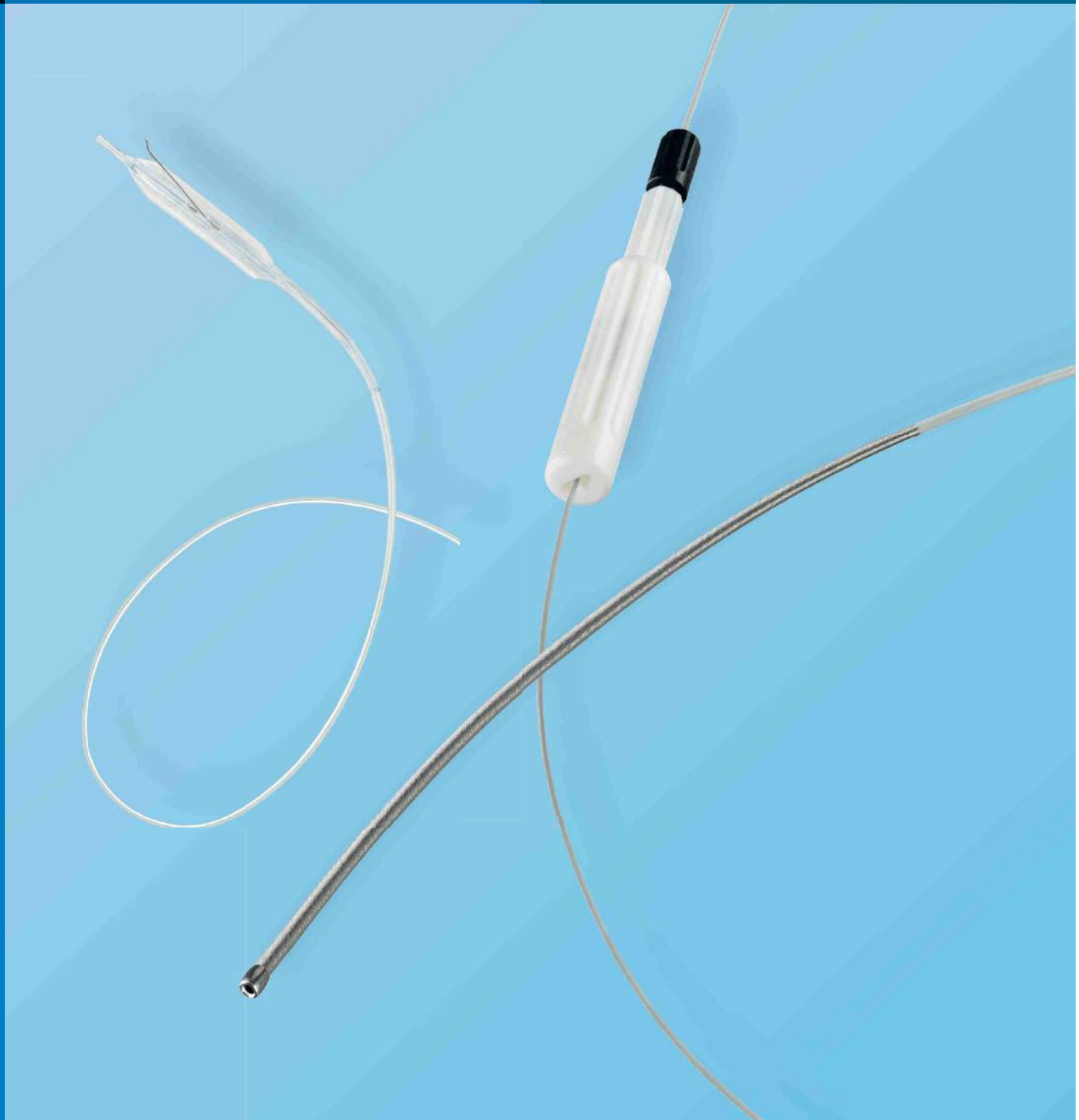
CTO DEVICES



Viance™

Crossing Catheter

A precision instrument designed to quickly and safely deliver a guidewire via the true lumen, the Viance™ crossing catheter puts the control of crossing where it belongs: in your hands.

Providing an effective frontline option for CTOs, the Viance™ crossing catheter enables you to utilize a proactive technique to cross total occlusions via the true lumen.

Low profile atraumatic tip

Designed for smooth crossing and minimizes risk of perforation.

Multi-coiled wire shaft

Provides 1:1 torque.

Fast-spin torque handle

Allows for tactile, self-controlled spinning motion enabling the Viance™ catheter tip to find its way through the lesion.

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Viance™

Crossing Catheter

ORDER INFORMATION

Product Catalogue Number	Description	Working Length (cm)	Guidewire Compatibility (inch)	Crossing Profile (max inch)	Sheath Compatibility
VNC-FX-150	Flexible	150	0.014	0.038	5 F
VNC-SD-150	Standard	150	0.014	0.038	5 F

INDICATIONS: Viance™ Crossing Catheter is intended for use with a guidewire to access discrete regions of the peripheral vasculature.

Enteer™

Re-Entry Catheter

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The Enteer re-entry system, consisting of the catheter and guidewire, gives you intuitive control to reliably target the true lumen from the subintimal channel above or below the knee.

The system requires no capital equipment. It's designed to be nothing less than a precise extension of your own expert hand.

Flat shaped self-orienting balloon

The Enteer™ catheter's unique balloon design self-orients towards the true lumen within the subintimal space when inflated.

180° and offset exit ports

Offset exit ports are located on each side of the device allowing the Enteer™ guidewire to re-enter the correct port into the true lumen.

OTW 0.014" & 0.018" guidewire compatible

Allows for flexibility during your case and minimizes guidewire exchanges.

Enteer™

Re-Entry Catheter

ORDER INFORMATION

Product Catalogue Number	Balloon Size (W x H x L mm)	Working Length (cm)	Guidewire Compatibility (inch)	Crossing Profile (max inch)	Sheath Compatibility
ENB-375-20-135	3.75 x 1.5 x 20	135	≤ 0.018	0.066	5 F
ENB-275-20-150	2.75 x 1.0 x 20	150	≤ 0.018	0.066	5 F

INDICATIONS: Enteer™ Re-entry Catheter is indicated for directing, steering, controlling, and supporting a guidewire in order to access discrete regions of the peripheral vasculature.

ORDER INFORMATION

Product Catalogue Number	Product	Description
ENW-FX-014-300	Enteer™ Guidewire	0.014" x 300 xm Flexible
ENW-SD-014-300	Enteer™ Guidewire	0.014" x 300 cm Standard
ENW-SF-014-300	Enteer™ Guidewire	0.014" x 300 cm Stiff

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CATHETERS

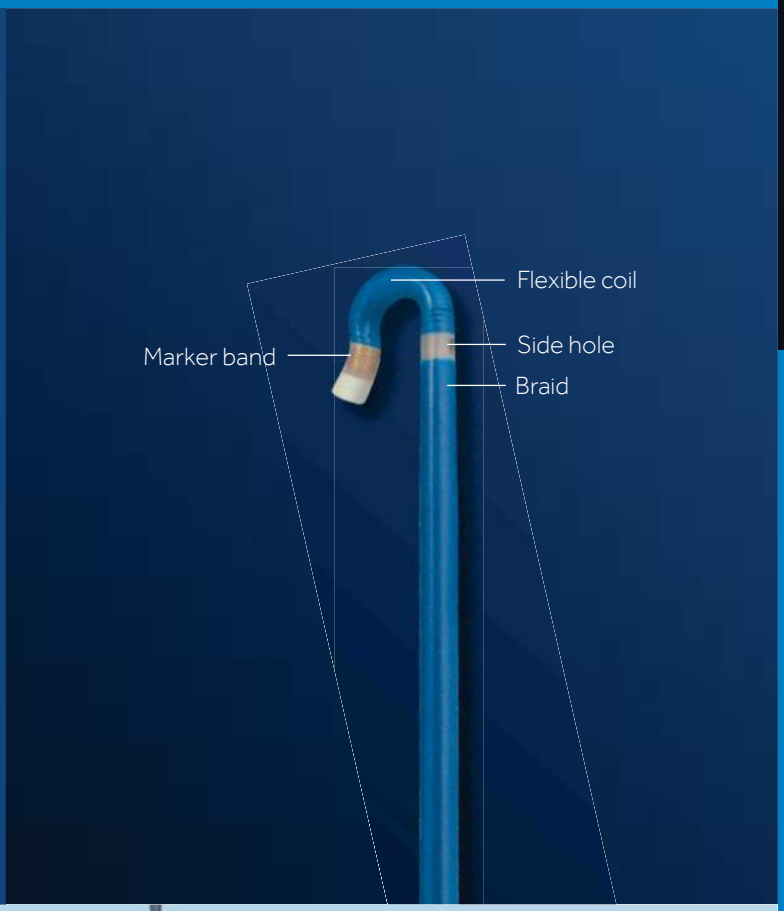
Piton™ GC

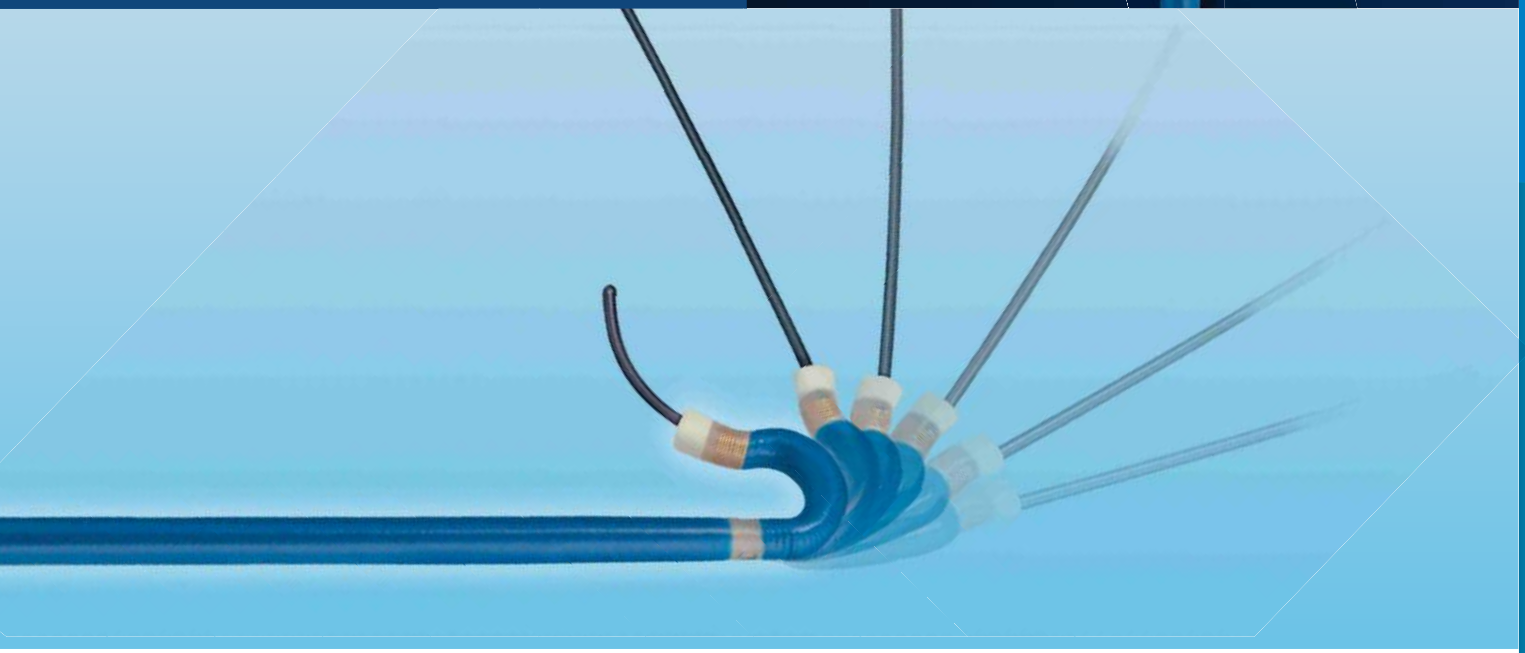
Carotid Guide Catheter

ACCESSING THE FUTURE OF CAS INTERVENTION

TECHNICAL SPECIFICATIONS

Outer diameter	8 F (0.104"/ 0.264 mm)
Inner diameter	5 F (0.073"/ 0.186 mm)
Total catheter length	91 cm
Usable catheter length	85 cm
Guidewire outer diameter	max. 2 x 0.035"





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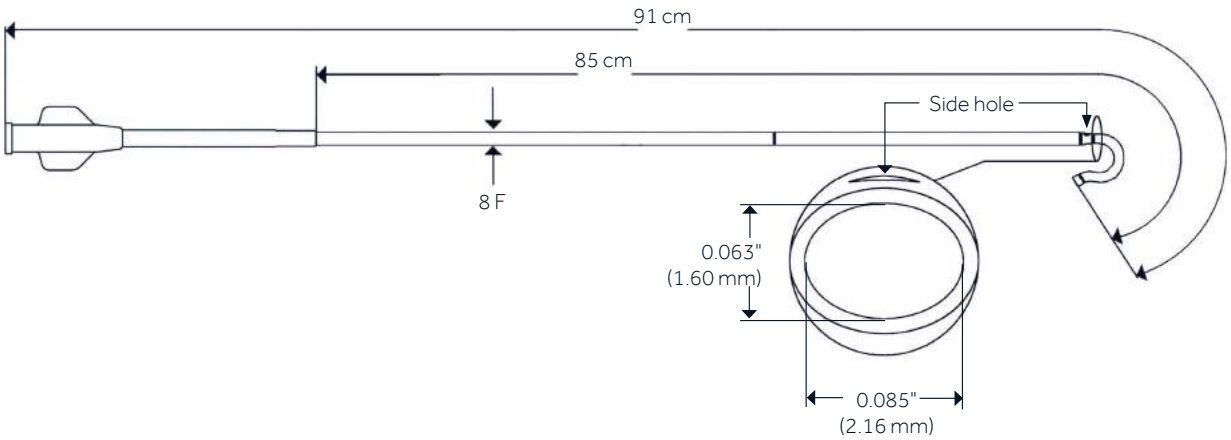
Piton™ GC

Carotid Guide Catheter

ORDER INFORMATION

Product Catalogue Number	Usable Length (cm)	Tip Curve
PTN8SC063085	85 cm	Small



Rebar™

Reinforced Microcatheter

The Rebar™ reinforced microcatheter is an end hole single-lumen catheter designed to be introduced via a steerable guidewire into the vasculature.

The catheter has a semi-rigid proximal shaft which transitions into the flexible distal shaft to facilitate the advancement of the catheter into the anatomy.

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Rebar™

Reinforced Microcatheter

ORDER INFORMATION

Product Name	Product Catalogue Number	Proximal OD/ Distal OD (F)	Distal ID (inch)	Total Length (cm)	Usable Length (cm)	Maximum Guidewire (inch)
Rebar™ -18	105-5081-130	2.7 / 2.4	0.021	137	130	0.018
Rebar™ -18	105-5083-153	2.7 / 2.4	0.021	160	153	0.018
Rebar™ -27	105-5082-145	2.8 / 2.8	0.027	150	145	0.021

TECHNICAL SPECIFICATIONS

Stainless steel reinforced microcatheter	Lubricious hydrophilic outer coating	Steam-shapeable tips
This microcatheter is DMSO compatible and therefore optimized for delivering the Onyx™ Liquid Embolic System	Less effort required to track through tortuous vessels	The tip of the catheter can be steam-shaped using the mandrel provided
High resistance to kinking when maneuvering around tight bends	Smooth movement when navigating through vasculature	Onyx™ Liquid Embolic System compatible
Radiopaque marker at the distal end facilitates fluoroscopic visualization		

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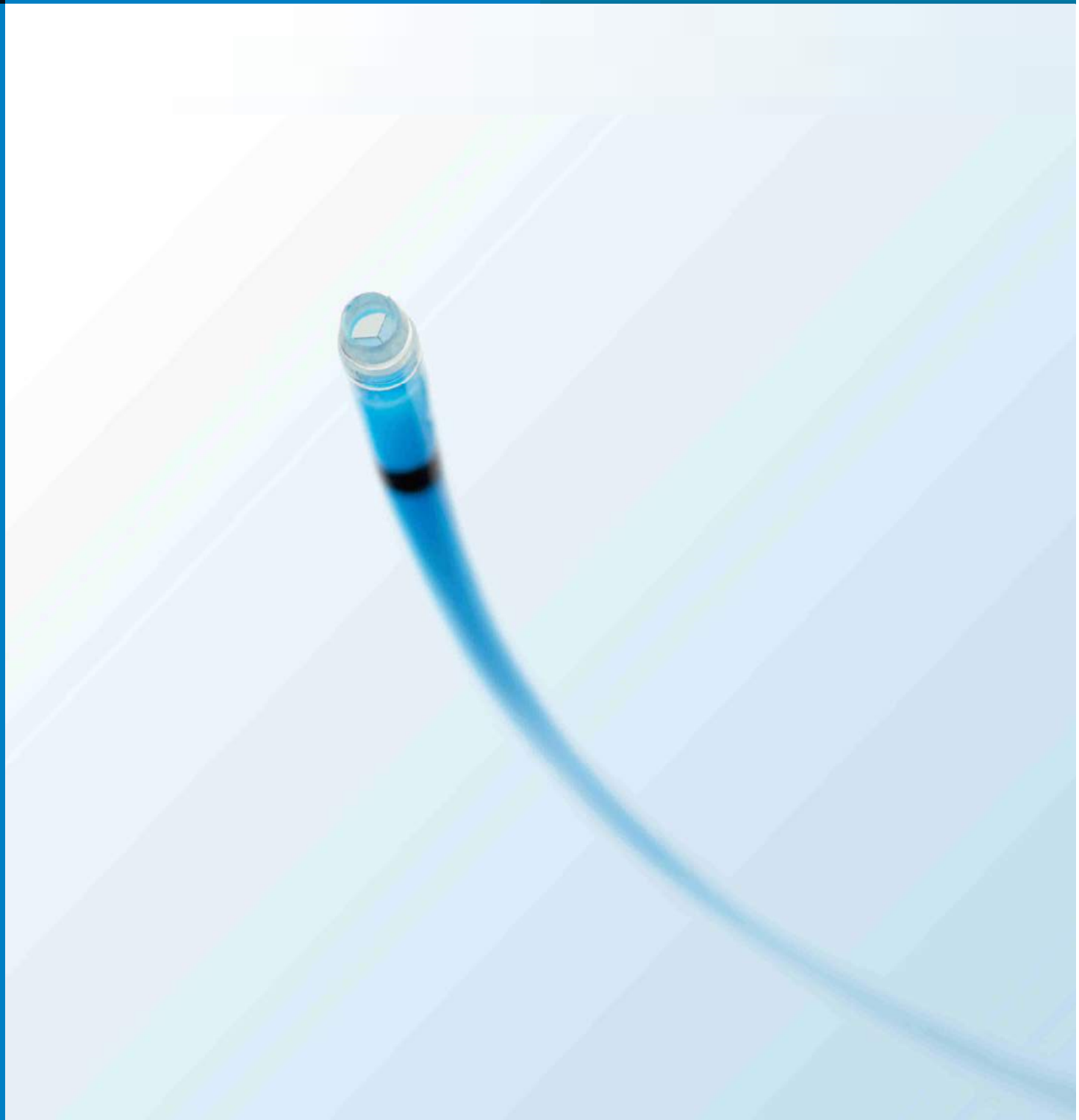
THROMBUS MANAGEMENT



Cragg-McNamara™

Valved Infusion Catheters

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The Cragg-McNamara™ Valved Infusion Catheter is a single lumen infusion catheter with a valved tip that allows infusion without the need of a tip-occluding guidewire.

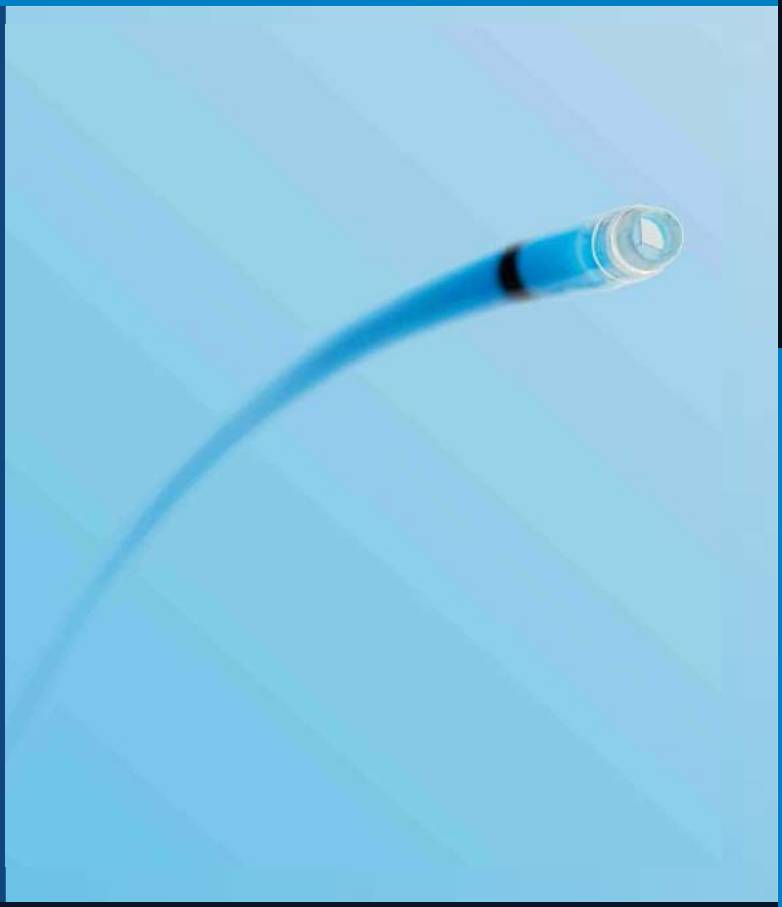
Large infusion lumen

Only 5 F Cragg-McNamara™ catheters give you the option to infuse without a guidewire in place, nearly doubling the infusion lumen area.

Streamlined patient care

Infuse overnight, without a guidewire in place which eliminates the risk of guidewire movement for simplified patient care.

Treat without a tip-occluding guidewire and sidearm adapter, which may contribute to cost savings.



Cragg-McNamara™

Valved Infusion Catheters

ORDER INFORMATION

Product Catalogue Number (1 / Box)	Diameter (F)	Usable Length (cm)	Infusion Length (cm)	Recommended Guidewire (inch)
41032-01	4	40	10	0.035
41033-01	4	40	20	0.035
41034-01	4	65	5	0.035
41035-01	4	65	10	0.035
41036-01	4	65	20	0.035
41037-01	4	100	5	0.035
41038-01	4	100	10	0.035
41039-01	4	100	20	0.035
41040-01	4	135	5	0.035
41041-01	4	135	10	0.035
41042-01	4	135	20	0.035
41043-01	5	40	5	0.038
41044-01	5	40	10	0.038
41045-01	5	40	20	0.038
41046-01	5	65	5	0.038
41047-01	5	65	10	0.038
41048-01	5	65	20	0.038
41049-01	5	100	5	0.038
41050-01	5	100	10	0.038
41051-01	5	100	20	0.038
41052-01	5	100	30	0.038
41053-01	5	100	40	0.038
41054-01	5	100	50	0.038
41055-01	5	135	5	0.038
41056-01	5	135	10	0.038
41057-01	5	135	20	0.038
41058-01	5	135	30	0.038
41059-01	5	135	40	0.038
41060-01	5	135	50	0.038

INDICATIONS: The Cragg-McNamara™ Infusion Catheter is indicated for use in the controlled, selective infusion of physician-specified pharmacological agents or radiopaque contrast media into the general vasculature.

MicroMewi™

Multiple Sidehole Infusion Catheters

The MicroMewi™ multiple sidehole infusion catheters feature radiopaque platinum markers providing fluoroscopic visualization for precise catheter placement.

Flexible and trackable distal catheter segment allows access to tortuous anatomy.

Design Details

- Radiopaque platinum markers provide for exceptional visualization and precise catheter placement
- The flexible and trackable distal catheter segment permits easy navigation through tortuous anatomy for above- or below-the knee applications
- **Multiple sideholes** permit direct infusion into a thrombosed segment

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MicroMewi™

Multiple Sidehole Infusion Catheters

ORDER INFORMATION

Product Catalogue Number (1/Box)	Diameter (F)	Usable Length (cm)	Infusion Length (cm)	Recommended Guidewire (inch)
41063-01	2.9	150	5	0.018
41064-01	2.9	150	10	0.018
41066-01	2.9	180	5	0.018
41067-01	2.9	180	10	0.018

INDICATIONS: The MicroMewi™ multiple sidehole infusion catheter is indicated for use in the controlled, selective infusion of physician-specified pharmacological agents or radiopaque contrast media into general vasculature.

ProStream™

Multiple Sidehole Infusion Wires

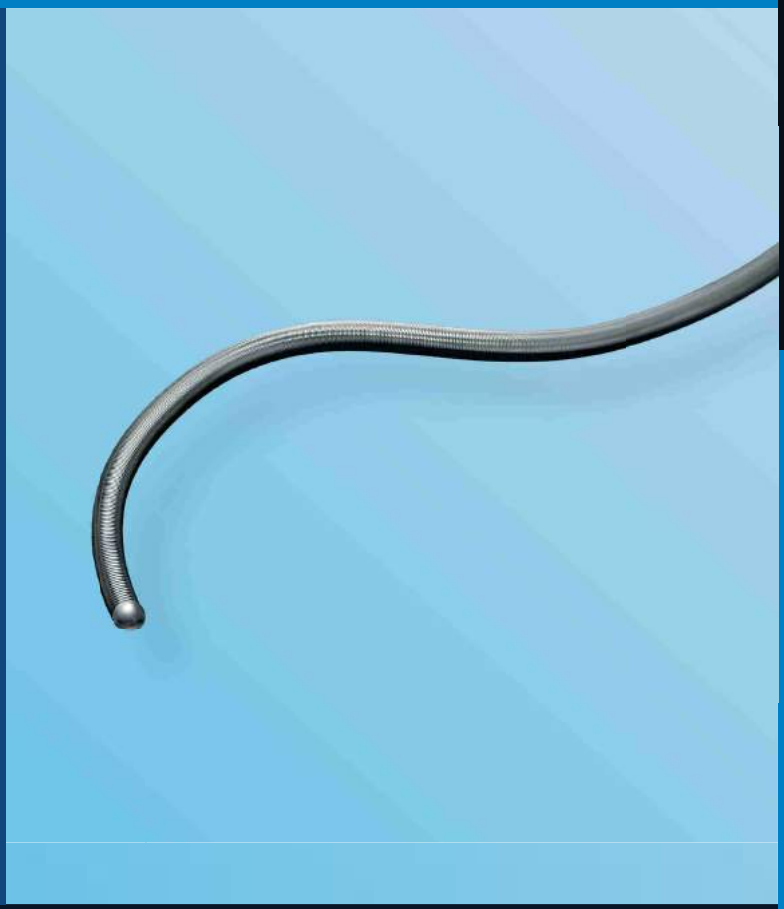
The ProStream™ multiple sidehole infusion wires are constructed with an integral core wire, stainless steel coil and an outer Teflon™ layer.

The wires are available in a wide variety of sidehole infusion lengths.

The ProStream™ multiple sidehole infusion wires can be used coaxially through 5 F infusion catheters.

Unique Core Wire Design

- Radiopaque markers
- Eliminates the need for a separate core wire
- Provides torqueability for added control
- Is small enough to reach distal vessels alone or when used inside a 5 F coaxial system
- Enhances visualization and permits precise placement proximal and distal to the infusion length



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ProStream™

Multiple Sidehole Infusion Wires

ORDER INFORMATION

Product Catalogue Number (1 / Box)	Usable Length (cm)	Infusion Length (cm)	Diameter (inch)
41272-01	145	6	0.035
41273-01	145	9	0.035
41274-01	145	12	0.035
41276-01	175	6	0.035
41277-01	175	9	0.035
41278-01	175	12	0.035

INDICATIONS: The ProStream™ Multiple Sidehole Infusion Wire is indicated for use in the controlled, selective infusion of physician-specified pharmacological agents or radiopaque contrast media into general vasculature.

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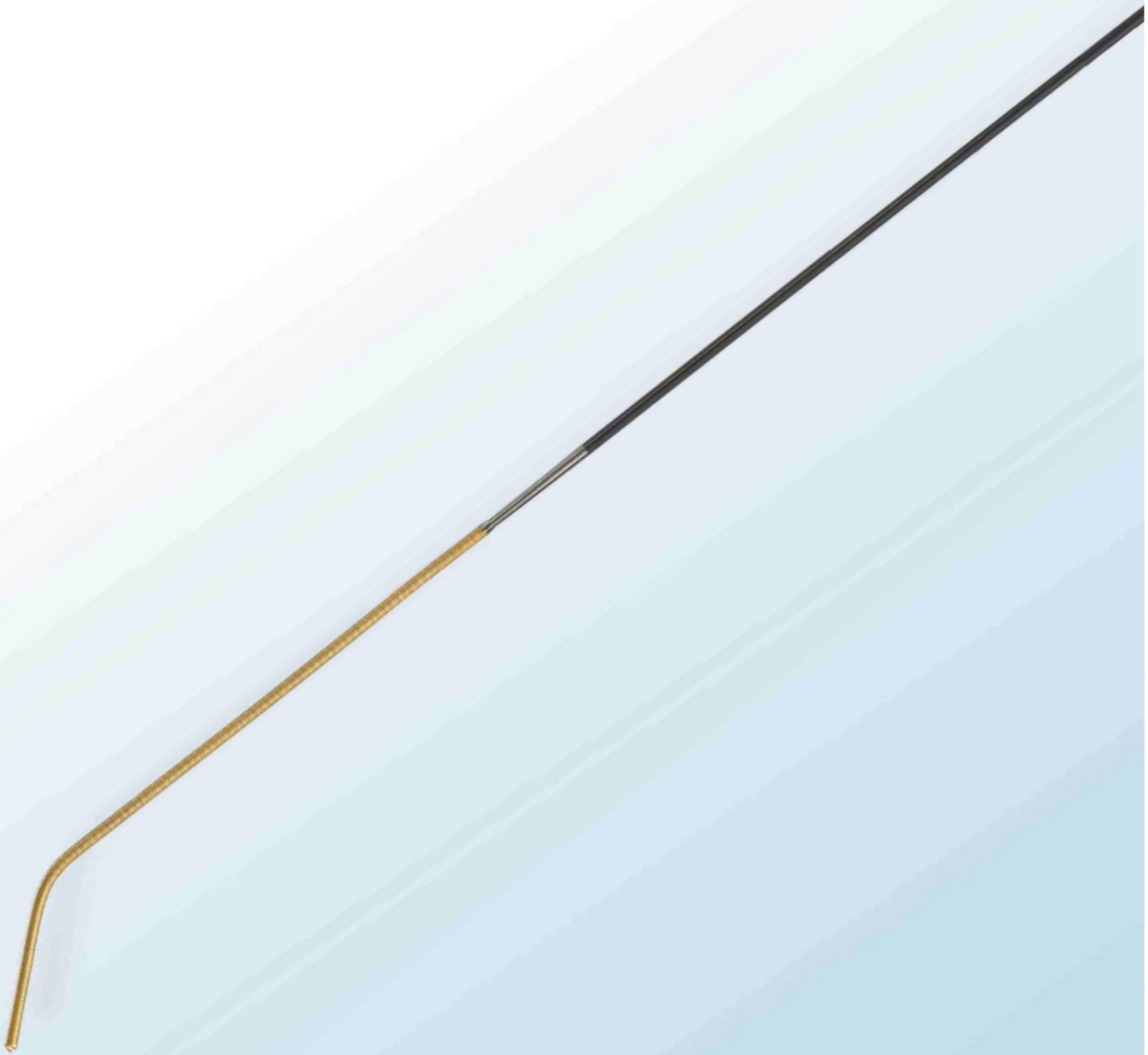
GUIDEWIRES



Nitrex™

Guidewires

The Nitrex™ Guidewires are constructed of a solid nitinol core offering nitinol kink-resistance and 1:1 torque.

All models feature a silicone coating and a gold-plated tungsten coil for enhanced radiopacity. The guidewires also come in a variety of sizes and angles.

Each box includes:
Three guidewires in carrying hoop. Torque devices included on 0.014" and 0.018" wire sizes.

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Nitrex™

Guidewires

ORDER INFORMATION

Product Catalogue Number (3 / Box)	Diameter (inch)	Length (cm)	Tip Style	Tip Length (cm)	Tip Shape	Tip Angle
0.014"						
N140801	0.014	80	INT	5	Angle	15°
N141802	0.014	180	INT	5	Angle	15°
N143001	0.014	300	INT	5	Angle	15°
0.018"						
N180601	0.018	60	INT	5	Straight	0
N180603	0.018	60	INT	7	Straight	0
N180801	0.018	80	STD	2	Straight	0
N180802	0.018	80	INT	5	Angle	15°
N181804	0.018	180	STD	2	Straight	0
N181805	0.018	180	INT	5	Angle	15°
N181806	0.018	180	FLOP	20	Angle	15°
N183001	0.018	300	STD	2	Straight	0
N183002	0.018	300	INT	5	Angle	15°
0.025"						
N251801	0.025	180	INT	8	Angle	15°
N251802	0.025	180	STD	2	Straight	0
N252601	0.025	260	INT	8	Angle	15°

INDICATIONS: The 0.014" (0.36 mm) and 0.018" (0.46 mm) diameter Nitrex™ Guidewires are intended for use in the peripheral and coronary vasculature. The 0.025" (0.64 mm) and 0.035" (0.89 mm) diameter Nitrex™ nitinol Guidewires are indicated for use in the peripheral vasculature.

ABBREVIATIONS:
INT: Intermediate - STD: Standard -FLOP: Floppy Indications

Nitrex™

Guidewires

ORDER INFORMATION

Product Catalogue Number (3 / Box)	Diameter (inch)	Length (cm)	Tip Style	Tip Length (cm)	Tip Shape	Tip Angle
0.035" FLEXIBLE SHAFT						
N351451	0.035	145	INT	15	Straight	0
N351452	0.035	145	INT	15	Angle	45°
N351803	0.035	180	INT	15	Straight	0
N352601	0.035	260	INT	15	Angle	45°
N354001	0.035	400	INT	15	Straight	0
0.035" STIFF SHAFT						
N350801	0.035	80	INT	9	Straight	0
N351453	0.035	145	FLOP	14	Angle	45°
N351455	0.035	145	FLOP	14	Straight	0
N351454	0.035	145	INT	9	Straight	0
N351804	0.035	180	INT	9	Straight	0
N351805	0.035	180	STD	4	Angle	45°
N352602	0.035	260	FLOP	14	Straight	0
N352604	0.035	260	INT	9	Straight	0
N352603	0.035	260	STD	4	Angle	45°
N353001	0.035	300	INT	9	Straight	0
N354002	0.035	400	INT	9	Straight	0

Babywire™

Double-Ended Nitinol Guidewire

The Babywire™ Double-Ended Nitinol Guidewires assist the placement of IV Catheters and exchange of small vessel arterial / venous lines.

Each box includes:
Ten wires

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Babywire™

Double-Ended Nitinol Guidewire

ORDER INFORMATION

Product Catalogue Number (10 / Box)	Diameter (inch)	Length (cm)
BW1200	0.012	18
BW1201	0.012	50

INDICATIONS: The Babywire™ Guidewire is intended for assisting the placement of initial catheters and/or exchange in the small vessel anatomy. The Babywire™ Guidewire is compatible with a 24 - gauge needle or 2.0 F catheter.

AqWire™

Guidewire

The AqWire™ guidewire combines the lubricity of a hydrophilic coating with the durability and kink resistance of a solid nitinol core.

Each box includes:
Three hydrophilic guidewires.

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AqWire™

Guidewire

ORDER INFORMATION

Product Catalogue Number (3/Box)	Diameter (inch)	Length (cm)	Body Type	Tip Angle
0.018"				
A181501	0.018	150	Standard	0
A181502	0.018	150	Standard	45°
A181801	0.018	180	Standard	0
A181802	0.018	180	Standard	45°
A182601	0.018	260	Standard	0
A182602	0.018	260	Standard	45°
0.035" STANDARD BODY				
A351501	0.035	150	Standard	0
A351502	0.035	150	Standard	45°
A351801	0.035	180	Standard	0
A351802	0.035	180	Standard	45°
A352601	0.035	260	Standard	0
A352602	0.035	260	Standard	45°
0.035" STIFF BODY				
A351503	0.035	150	Stiff	0
A351504	0.035	150	Stiff	45°
A351803	0.035	180	Stiff	0
A351804	0.035	180	Stiff	45°
A352603	0.035	260	Stiff	0
A352604	0.035	260	Stiff	45°

INDICATIONS: contraindications, warnings and instructions for use can be found in the product labeling supplied with each device.

Wholey™

Guidewire System 0.035"

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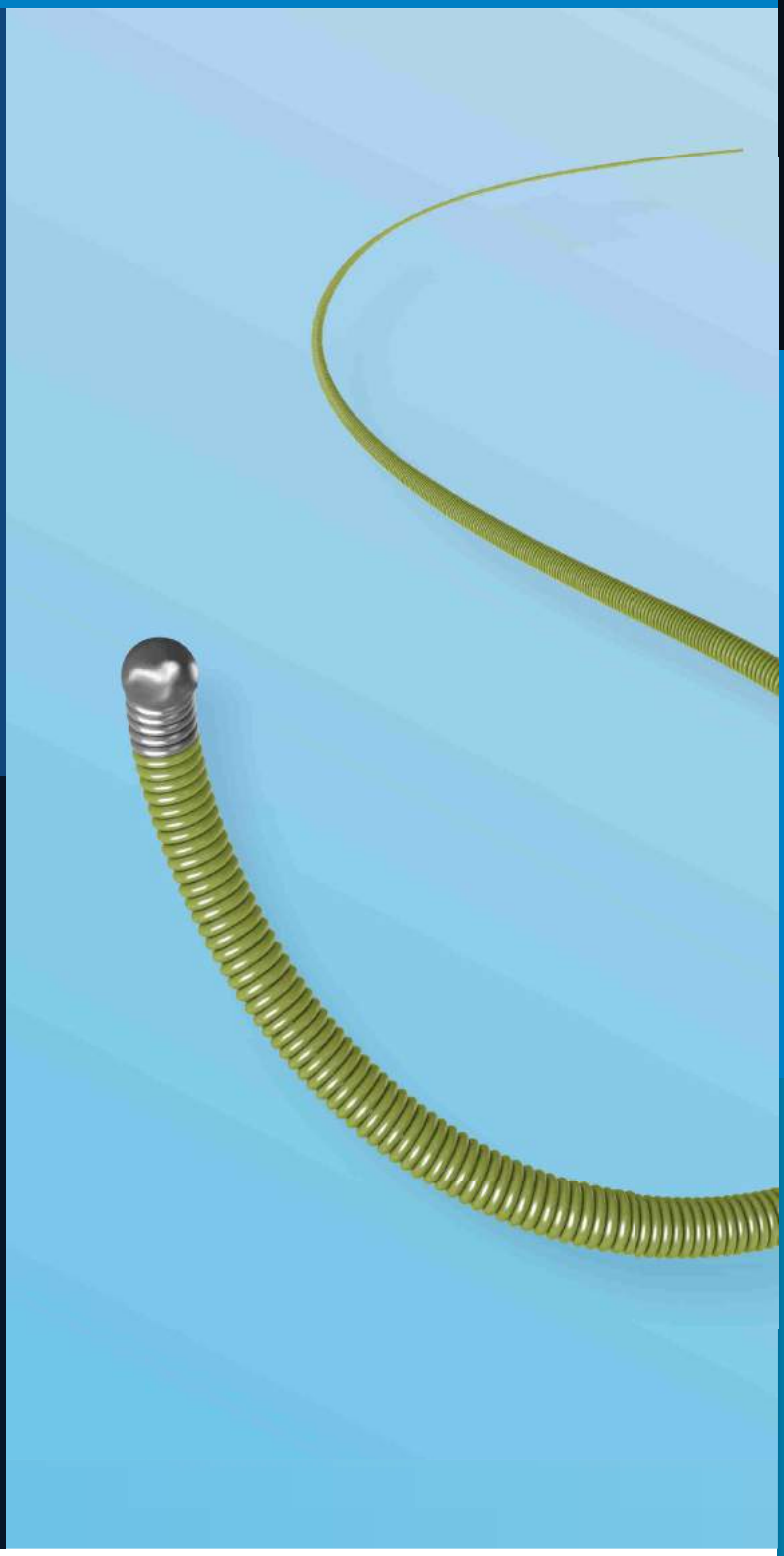
The Wholey™ Guidewire System provides enhanced torqueability and lubricity, allowing interventionalists to approach challenging cases with confidence.

Each box includes:
Three hydrophilic coated guidewires.

Steer
One-to-one torque for precise navigation in tortuous anatomy.

Slide
Proprietary precoating technology provides consistent coating over entire coil.

See
Platinum tungsten coil tip offers high visibility to assist with accurate placement.



Wholey™

Guidewire System 0.035"

ORDER INFORMATION

Product Catalogue Number	Description	Stiffness Profile	Tip Style	Outer Diameter (inch)	Length (cm)	Quantity
WWFS35145	Floppy tip, extension compatible	Floppy	Straight / shapeable	0.035	145	3/pkg
WWFS35175	Floppy tip, extension compatible	Floppy	Straight / shapeable	0.035	175	3/pkg
WWFS35260	Floppy tip, exchange length	Floppy	Straight / shapeable	0.035	260	3/pkg
WWFS35300	Floppy tip, exchange length	Floppy	Straight / shapeable	0.035	300	3/pkg
WWIJ35145	Modified J tip, extension compatible	Intermediate	Modified J / shapeable	0.035	145	3/pkg
WWIJ35175	Modified J tip, extension compatible	Intermediate	Modified J / shapeable	0.035	175	3/pkg
WWIJ35260	Modified J tip, exchange length	Intermediate	Modified J / shapeable	0.035	260	3/pkg
WWIJ35300	Modified J tip, exchange length	Intermediate	Modified J / shapeable	0.035	300	3/pkg
WWSS35145	Standard tip, extension compatible	Standard	Straight / shapeable	0.035	145	3/pkg
WWSS35175	Standard tip, extension compatible	Standard	Straight / shapeable	0.035	175	3/pkg
WWSS35260	Standard tip, exchange length	Standard	Straight / shapeable	0.035	260	3/pkg
WWSS35300	Standard tip, exchange length	Standard	Straight / shapeable	0.035	300	3/pkg
WWES35001	Extension system	Standard	Straight / shapeable	0.035	155	3/pkg

INDICATIONS: The Wholey™ guidewire system is intended to facilitate the placement and exchange of interventional devices during diagnostic or therapeutic interventional procedures. The guidewire can be torqued to facilitate navigation through tortuous arteries and/or avoid unwanted side branches.

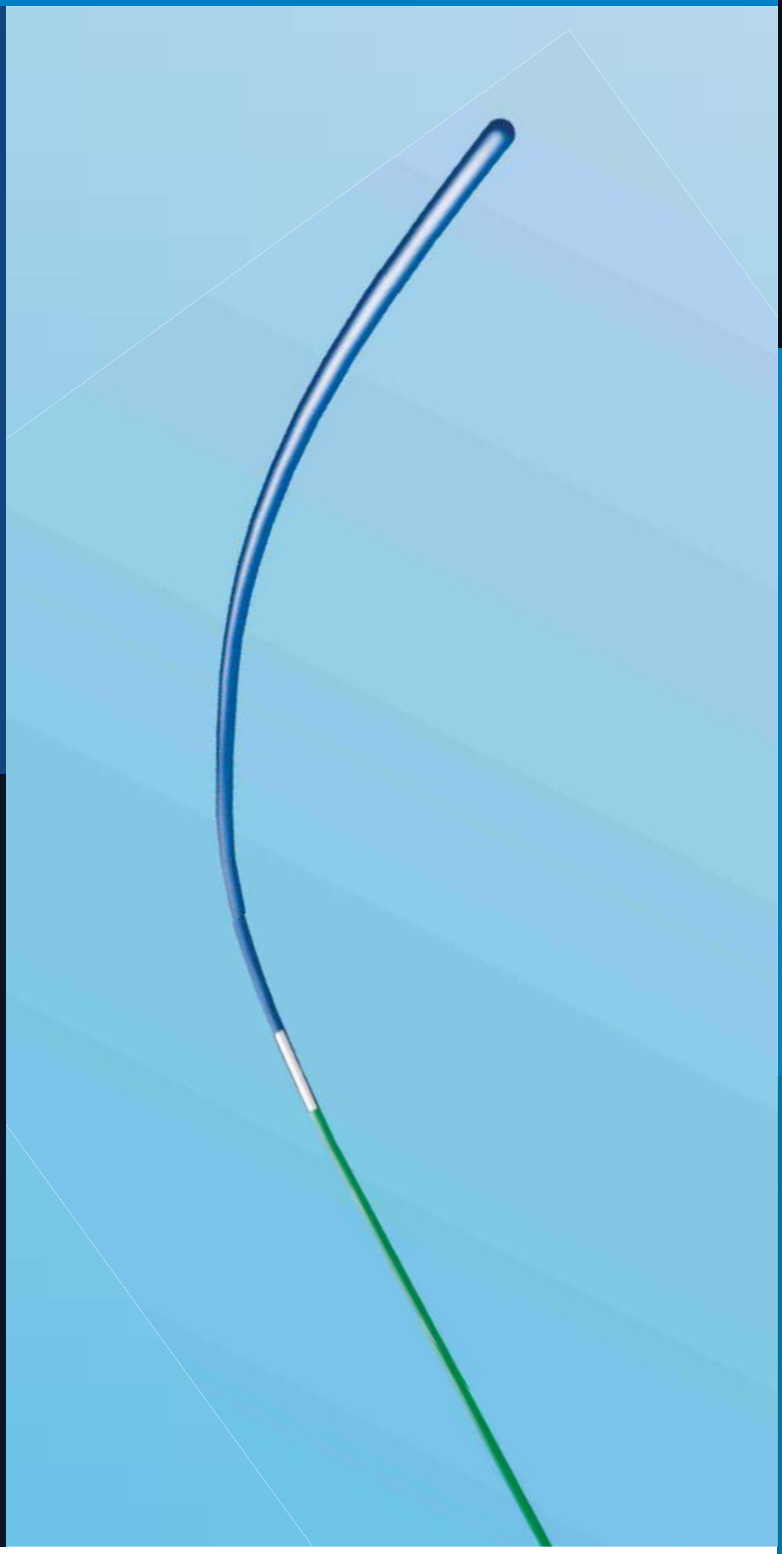
Kitewire™ Deep

Peripheral Guidewire 0.014"

SMOOTH TRACKABILITY FOR LONG DIFFUSE

TECHNICAL SPECIFICATIONS

Guidewire outer diameter	0.014"
Coating of the guidewire coil	Polymer and hydrophilic
Total length of the guidewire	195, 250 and 300 cm
Support	Extra support
Radiopaque coil length	3 cm platinum alloy spring coil
Tip shape	Straight, shapeable
Tip stiffness variations	Standard and intermediate



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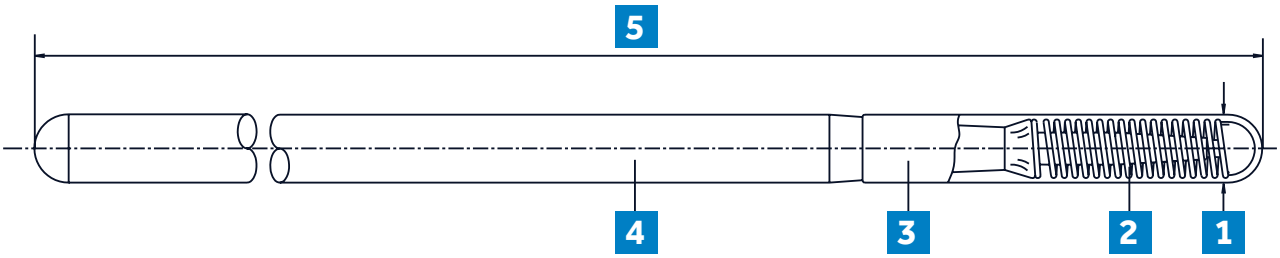
Kitewire™ Deep

Peripheral Guidewire 0.014"

ORDER INFORMATION

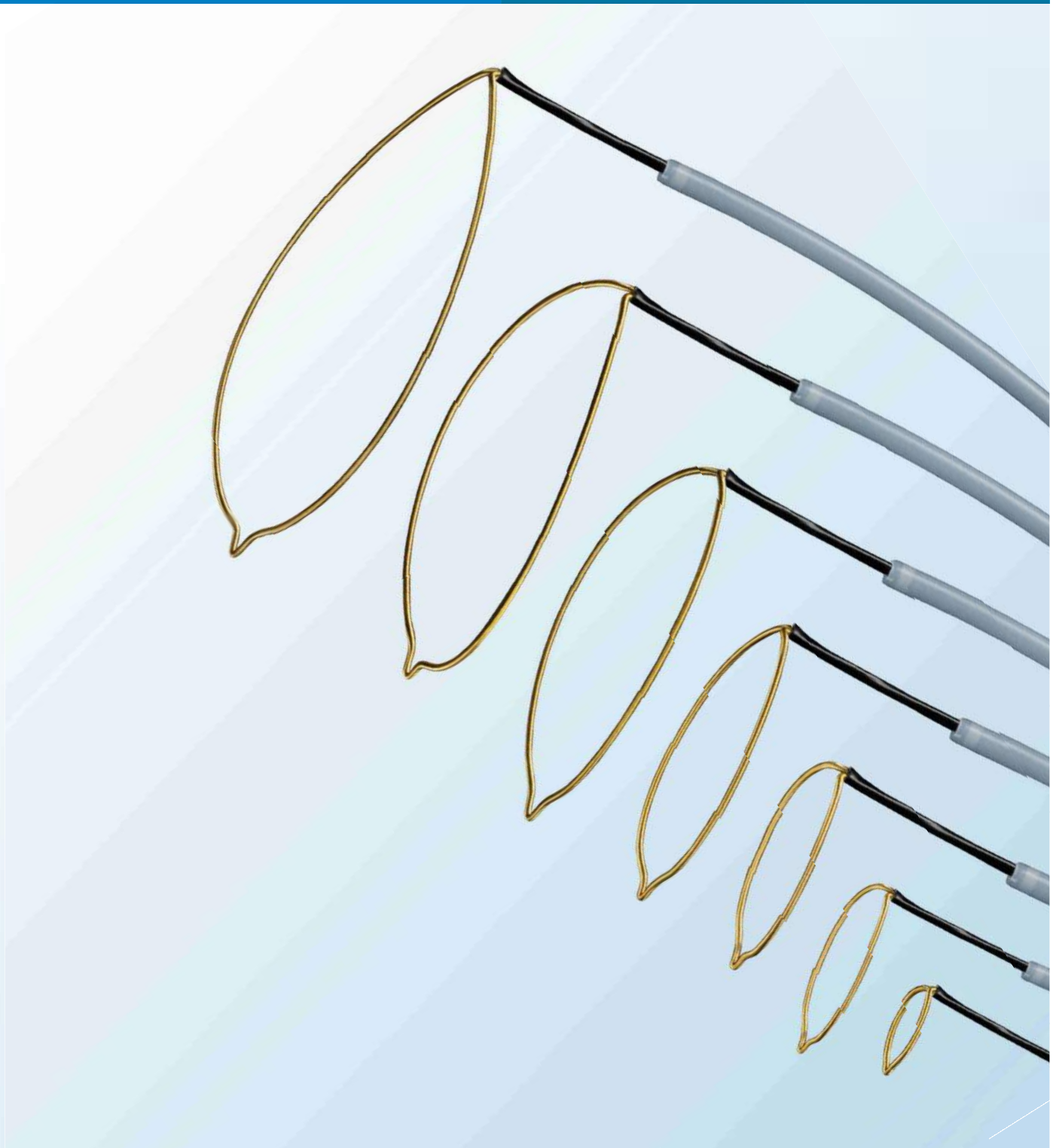
Product Catalogue Number	Usable Length (cm)	Tip Stiffness
KTD 195 INT 14S	195	Intermediate
KTD 195 STD 14S	195	Standard
KTD 250 INT 14S	250	Intermediate
KTD 250 STD 14S	250	Standard
KTD 300 INT 14S	300	Intermediate
KTD 300 STD 14S	300	Standard

1 Outer diameter
2 Stainless steel
3 Platinum coil
4 Usable length
5 Polymer jacket



MANUFACTURER: Brivant Ltd, Parkmore West Business Park, Galway, Ireland

SNARES

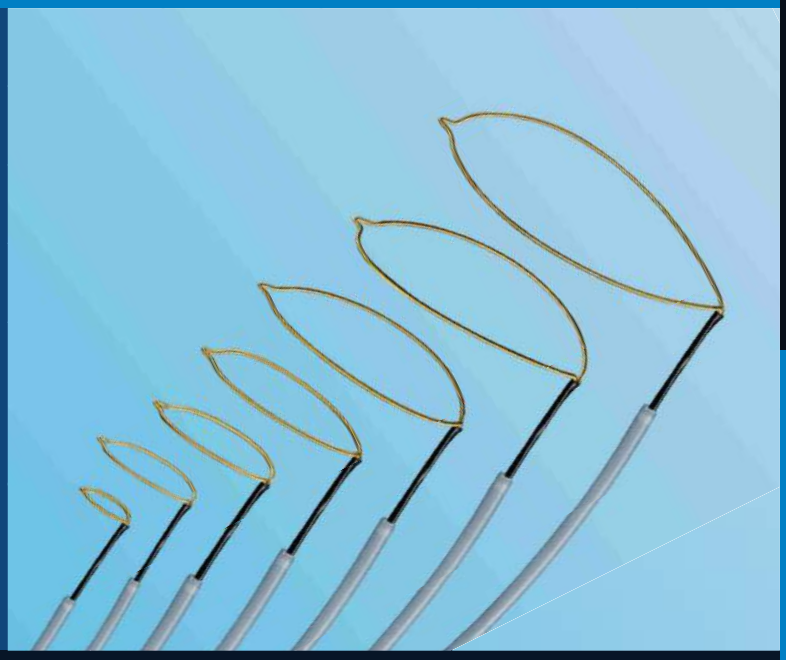


Amplatz GooseNeck™

Snare Kit

Engineered for precise retrieval and manipulation, the Amplatz GooseNeck™ Snares and Microsnares (for small vessel applications) feature a highly radiopaque snare loop that is 90° to shaft of the snare. Other features include a nitinol shaft for kink resistance and gold tungsten loop for enhanced visualization.

Each kit includes:
One snare, one snare catheter, one introducer and one torque device.



AORTIC

PERIPHERAL

VENOUS

Amplatz GooseNeck™

Snare Kit

ORDER INFORMATION

Product Catalogue Number (1/box)	Catheter o.d (F)	Catheter Length (cm)
MC4000	4	102
MC4001	4	48
MC6000	6	102
MC6001	6	48

Each kit includes:
One snare, one snare catheter, one introducer and one torque device.

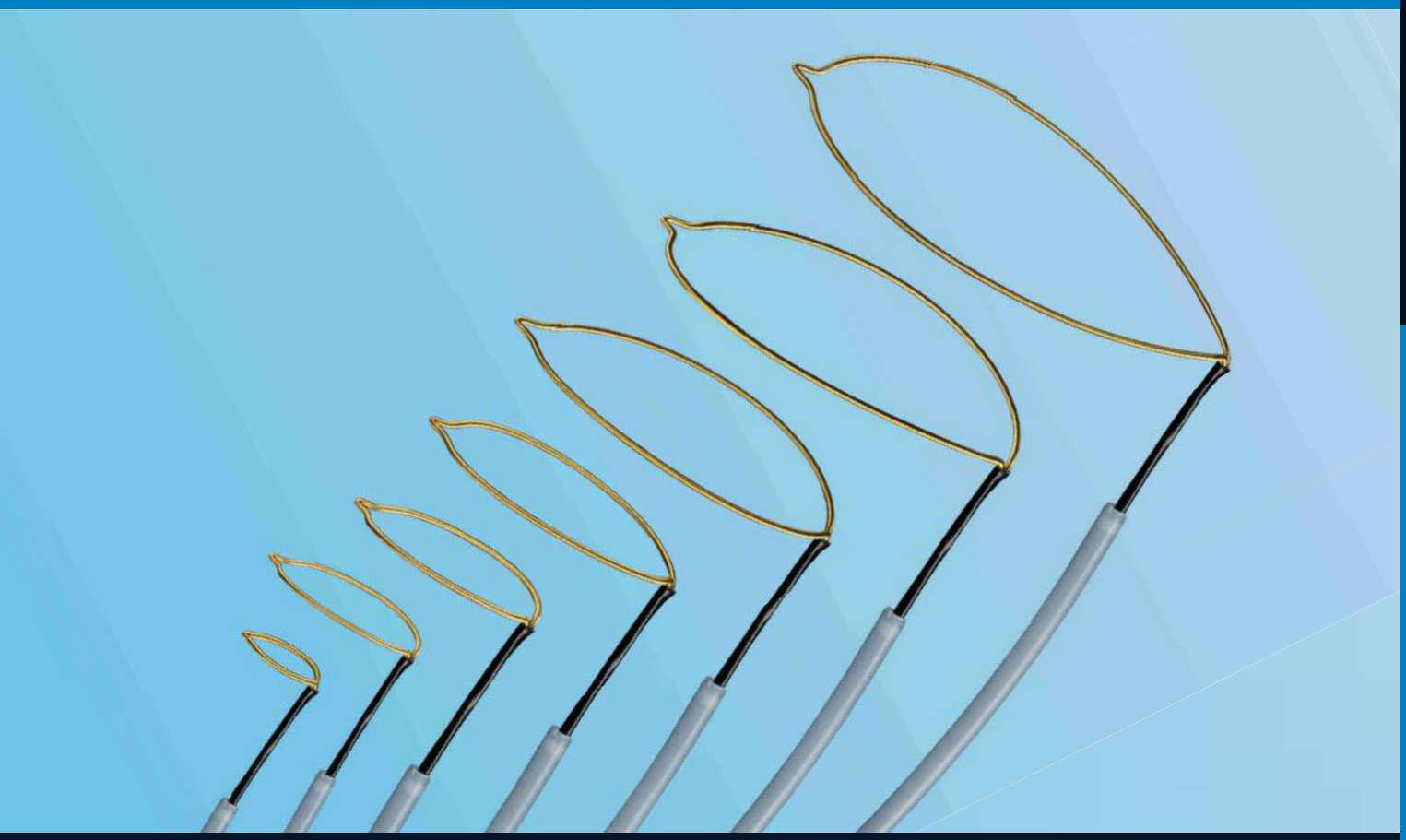
ORDER INFORMATION

Product Catalogue Number (1/box)	Loop Diameter (mm)	Snare Length (cm)	Catheter Size (F)	Catheter Length (cm)
GN500	5	120	4	102
GN1000	10	120	4	102
GN1001	10	65	4	48
GN1500	15	120	6	102
GN2000	20	120	6	102
GN2501	25	65	6	48
GN2500	25	120	6	102
GN3000	30	120	6	102
GN3500	35	120	6	102

INDICATIONS: The Amplatz GooseNeck™ Snare is intended for use in the cardiovascular system or hollow viscus to retrieve and manipulate foreign objects. Manipulation procedures include indwelling venous catheter, fibrin sheath stripping, and central venous access venipuncture procedure assistance.

Amplatz GooseNeck™

MicroSnare Kit



AORTIC

PERIPHERAL

VENOUS

Amplatz GooseNeck™

MicroSnare Kit

ORDER INFORMATION

Product Catalogue Number (1/box)	Loop Diameter (mm)	Snare Length (cm)	Catheter Size Distal-Proximal (F)	Catheter Length (cm)
SK200	2	175	2.3 - 3	150
SK201	2	200	2.3 - 3	175
SK400	4	175	2.3 - 3	150
SK401	4	200	2.3 - 3	175
SK700	7	175	2.3 - 3	150
SK701	7	200	2.3 - 3	175

INDICATIONS: The Amplatz GooseNeck™ Snare is intended for use in the retrieval and manipulation of atraumatic foreign bodies located in the coronary and peripheral cardiovascular system and the extra-cranial neurovascular anatomy.

Each kit includes: one snare, one snare catheter, one introducer, and one torque device

Y-CONNECTORS

Bigeasy™

Rotating Y-connector

ORDER INFORMATION

Product Catalogue Number (5/package)	Description
MVA100	2-way Adjustable Valve

Sequel™

Rotating Double Y-connector

ORDER INFORMATION

Product Catalogue Number (5/package)	Description
MVA200	2-way Adjustable Valve

VASCULAR EMBOLIZATION

AORTIC

PERIPHERAL

VENOUS

Onyx™

Liquid Embolic System

The Onyx™ Liquid Embolic System is an EVOH co-polymer designed to provide complete occlusion in a controlled embolization procedure, achieving clinical success across a variety of applications.

AORTIC

PERIPHERAL

VENOUS

Onyx™

Liquid Embolic System

ORDER INFORMATION

Product Catalogue Number	Onyx™ Formulation
105-7200-060	Onyx™ 18 kit 1.5 ml
105-7200-080	Onyx™ 34 kit 1.5 ml

INDICATIONS: Embolization of lesions in the peripheral vasculature, including endoleaks, arteriovenous malformations, portal veins, bleeding, and tumors.

Onyx™ 34L

Liquid Embolic System

Onyx™ 34L Liquid Embolic System has less tantalum compared to the current version of Onyx™ Liquid Embolic System 34.

Clinical Benefit: Less streak artifacts on CT with a good visibility during injection. Available in 1.5 ml and 6 ml vials.

AORTIC

PERIPHERAL

VENOUS

Onyx™ 34L

Liquid Embolic System

ORDER INFORMATION

Product Catalogue Number	Onyx™ Formulation
105-7315-080	Onyx™ 34L kit 1.5 ml
105-7360-080	Onyx™ 34L kit 6.0 ml

INDICATIONS: Embolization of lesions in the peripheral vasculature, including endoleaks, arteriovenous malformations, portal veins, bleeding and tumors.

Onyx™

Accessories

AORTIC

PERIPHERAL

VENOUS

Vial mixer

It contains four spaces for preparation of Onyx™ 1.5 ml vial and two spaces for preparation of Onyx™ 6 ml vial simultaneously.

Syringe catheter interface adapter

This device is an Onyx™ Syringe Catheter Interface Adapter and DMSO compatible adapter used to provide an interface between a Covidien 1 ml syringe and the 1.5 F UltraFlow HPC / 1.5 F Marathon™ and Apollo™ microcatheter during an Onyx™ embolization.

1ml Luer-lock injection syringe

Onyx™ Mixer

Vial Mixer

ORDER INFORMATION

Product Catalogue Number	Information
103-1205-002	240 V
103-1205-100	New mixer attachment

Onyx™

Syringe Catheter Interface Adapter

ORDER INFORMATION

Product Catalogue Number	Capacity (ml)	Syringes/ Box
103-1207	1	20

1ml Luer-Lock Injection Syringe

ORDER INFORMATION

Product Catalogue Number	Capacity (ml)	Syringes/ Box
103-1203	1	10

INDICATIONS: The Onyx™ Mixer facilitates proper suspension of the Onyx™ tantalum for better visualization prior to use.
The proximal end of the Onyx™ Syringe Catheter Interface Adapter incorporates a standard ISO, female luer design to facilitate connection to the syringe.
The distal end is designed specifically to fit the hub of the 1.5 F UltraFlow™ HPC / Marathon™ 1.5 F and Apollo™ microcatheter.

Concerto™ Helix/3D

Detachable Coil System

AORTIC

PERIPHERAL

VENOUS

The Concerto™ Detachable Coil System is a stretch-resistant, detachable coil that can be repositioned easily prior to detachment and uses enlaced microfilament technology called LatticeFX™.

Softness with smooth navigation

- Soft coils track easily through tortuous anatomy to access distal locations*
- Soft distal pusher reduces microcatheter kickback during deployment*

Reliable deployment

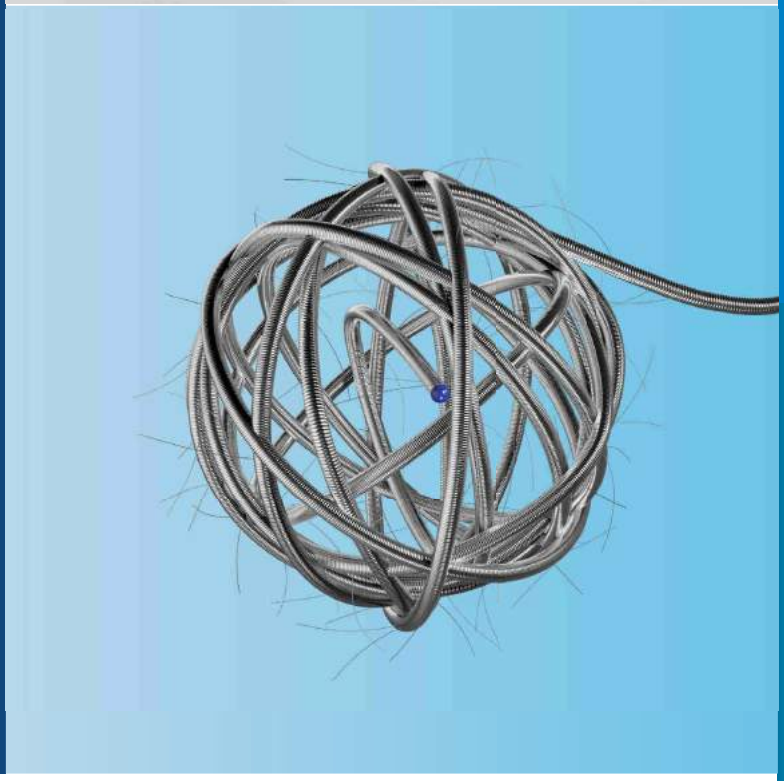
- Fully resheathable, after complete or partial deployment, and easily repositionable*
- Coil detaches instantaneously with proven reliability*

Optimal framing

- Conformable 3D shape with excellent stability*
- Designed to create a complex frame for filling*

Enhanced thrombogenicity

- Fibers increase thrombogenicity of the coil compared to bare metal equivalents†
- Nylon and PGLA fiber system features the unique LatticeFX™ technology which promotes thrombosis response†



*Internal data on file

Concerto™ Helix/3D

Detachable Coil System

ORDER INFORMATION

Product Catalogue Number (1 / box)	Description	Diameter (mm)	Length (cm)	Min. Microcatheter Inner Diameter (inch)
HELIX				
NV-2-4-Helix	Concerto™ Nylon Helical	2	4	0.0165
NV-2-6-Helix	Concerto™ Nylon Helical	2	6	0.0165
NV-2-8-Helix	Concerto™ Nylon Helical	2	8	0.0165
NV-3-4-Helix	Concerto™ Nylon Helical	3	4	0.0165
NV-3-8-Helix	Concerto™ Nylon Helical	3	8	0.0165
NV-4-8-Helix	Concerto™ Nylon Helical	4	8	0.0165
NV-4-10-Helix	Concerto™ Nylon Helical	4	10	0.0165
NV-5-15-Helix	Concerto™ Nylon Helical	5	15	0.021
NV-5-20-Helix	Concerto™ Nylon Helical	5	20	0.021
NV-6-20-Helix	Concerto™ Nylon Helical	6	20	0.021
NV-7-30-Helix	Concerto™ Nylon Helical	7	30	0.021
NV-8-30-Helix	Concerto™ Nylon Helical	8	30	0.021
NV-9-30-Helix	Concerto™ Nylon Helical	9	30	0.021
NV-10-30-Helix	Concerto™ Nylon Helical	10	30	0.021
PV-12-30-Helix	Concerto™ PGLA Helical	12	30	0.021
PV-14-30-Helix	Concerto™ PGLA Helical	14	30	0.021
PV-16-40-Helix	Concerto™ PGLA Helical	16	40	0.021
PV-18-40-Helix	Concerto™ PGLA Helical	18	40	0.021
PV-20-50-Helix	Concerto™ PGLA Helical	20	50	0.021
3D				
PV-2-2-3D	Concerto™ PGLA 3D	2	2	0.0165
PV-2-4-3D	Concerto™ PGLA 3D	2	4	0.0165
PV-2-6-3D	Concerto™ PGLA 3D	2	6	0.0165
PV-3-4-3D	Concerto™ PGLA 3D	3	4	0.0165
PV-3-6-3D	Concerto™ PGLA 3D	3	6	0.0165
PV-3-8-3D	Concerto™ PGLA 3D	3	8	0.0165
PV-4-8-3D	Concerto™ PGLA 3D	4	8	0.0165
PV-4-10-3D	Concerto™ PGLA 3D	4	10	0.0165
PV-4-12-3D	Concerto™ PGLA 3D	4	12	0.0165
PV-5-15-3D	Concerto™ PGLA 3D	5	15	0.0165
PV-6-20-3D	Concerto™ PGLA 3D	6	20	0.0165
PV-7-30-3D	Concerto™ PGLA 3D	7	30	0.0165
PV-8-30-3D	Concerto™ PGLA 3D	8	30	0.0165
PV-9-30-3D	Concerto™ PGLA 3D	9	30	0.0165
PV-10-30-3D	Concerto™ PGLA 3D	10	30	0.0165
PV-12-40-3D	Concerto™ PGLA 3D	12	40	0.021
PV-14-40-3D	Concerto™ PGLA 3D	14	40	0.021
PV-16-40-3D	Concerto™ PGLA 3D	16	40	0.021
PV-18-40-3D	Concerto™ PGLA 3D	18	40	0.021

I.D. Instant Detacher

Detacher for Concerto™ Detachable Coil System,
One detacher required per procedure.

Each box contains:
Five instant detachers.

AORTIC

PERIPHERAL

VENOUS

I.D. Instant Detacher

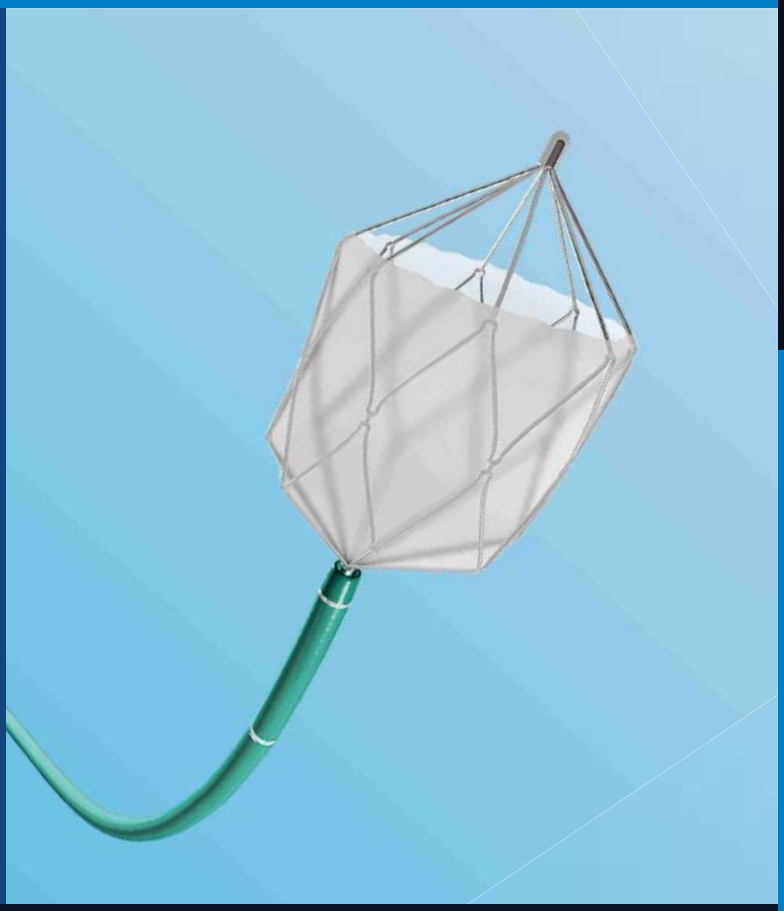
ORDER INFORMATION

Product Catalogue Number	Number/ Box
ID-1-5	5

MVP™

Microvascular Plug System

The MVP™ Microvascular Plug System is indicated to obstruct or reduce the rate of blood flow in the peripheral vasculature.



AORTIC

PERIPHERAL

VENOUS

MVP™

Microvascular Plug System

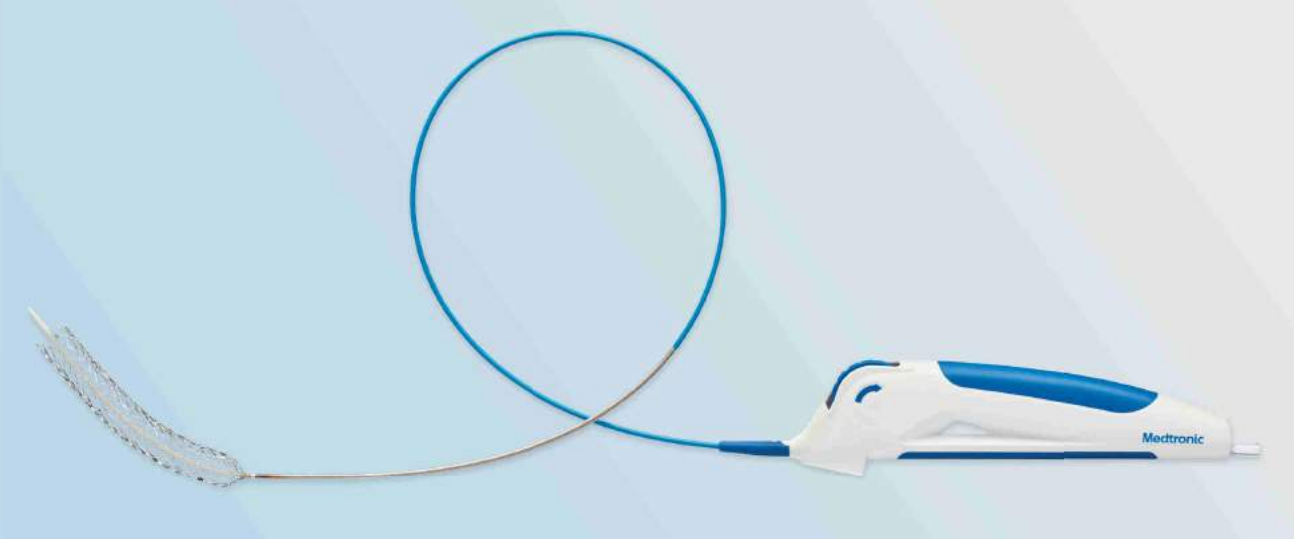
ORDER INFORMATION

Product Catalogue Number	Recommended Vessel Size	MVP™ Device Outer Diameter Unconstrained	MVP™ Device Length Unconstrained	Delivery Wire Length	Minimum Recommended Catheter Dimensions	Recommended Microcatheter
MVP-3Q	1.5 – 3.0 mm	5.3 mm	12 mm	180 cm	ID ≥ 0.021"	150 cm
MVP-5Q	3.0 – 5.0 mm	6.5 mm	12 mm	180 cm	ID ≥ 0.027"	150 cm
MVP-7Q	5.0 – 7.0 mm	9.2 mm	16 mm	165 cm	ID ≥ 0.035" **AND** OD ≥ 4F	120 cm
MVP-9Q	7.0 – 9.0 mm	13 mm	18 mm	165 cm	ID ≥ 0.038" **AND** OD ≥ 5F	120 cm

VENOUS

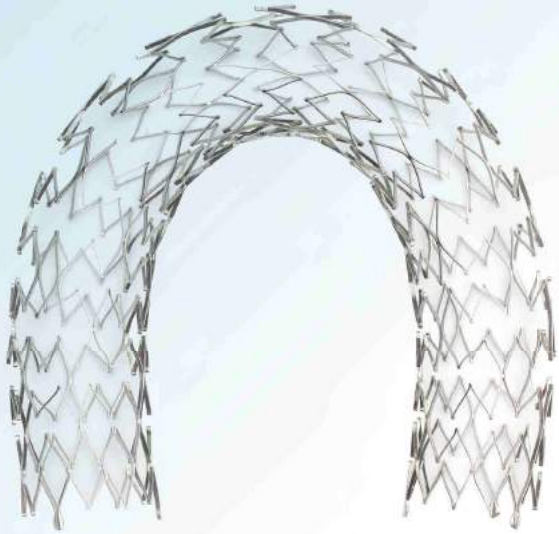

venaseal
ClosureFast
0:20s
20°c
0w
Total
0.00 s 0 RF Cycle(s)
Press Device Handle Button to Treat
Medtronic

ABRE™ VENOUS STENT



Abre™

Venous Self-expanding Stent System



The stent made for the unique challenges of deep venous disease.

The Abre™ System size difference

- A full range of sizes specifically tailored for the iliofemoral venous profile
- A consistent 9 F delivery system across our full matrix for a simplified procedure
- Catheter length of 90 cm that supports all three primary access sites and can be used with a standard length guidewire

AORTIC

PERIPHERAL

VENOUS

Abre™

Venous Self-expanding Stent System

ORDER INFORMATION

Product Catalogue Number	Stent Diameter (mm)	Stent Length (mm)	Catheter Length (cm)	Estimated Anatomic Vessel Diameter (mm)
AB9G10040090	10	40	90	7.5-9.5
AB9G10060090	10	60	90	7.5-9.5
AB9G10080090	10	80	90	7.5-9.5
AB9G10100090	10	100	90	7.5-9.5
AB9G10120090	10	120	90	7.5-9.5
AB9G10150090	10	150	90	7.5-9.5
AB9G12060090	12	60	90	9.5-11.5
AB9G12080090	12	80	90	9.5-11.5
AB9G12100090	12	100	90	9.5-11.5
AB9G12120090	12	120	90	9.5-11.5
AB9G12150090	12	150	90	9.5-11.5
AB9G14060090	14	60	90	11.5-13.5
AB9G14080090	14	80	90	11.5-13.5
AB9G14100090	14	100	90	11.5-13.5
AB9G14120090	14	120	90	11.5-13.5
AB9G14150090	14	150	90	11.5-13.5
AB9G16060090	16	60	90	13.5-15.5
AB9G16080090	16	80	90	13.5-15.5
AB9G16100090	16	100	90	13.5-15.5
AB9G16120090	16	120	90	13.5-15.5
AB9G16150090	16	150	90	13.5-15.5
AB9G18060090	18	60	90	15.5-17.5
AB9G18080090	18	80	90	15.5-17.5
AB9G18100090	18	100	90	15.5-17.5
AB9G18120090	18	120	90	15.5-17.5
AB9G18150090	18	150	90	15.5-17.5
AB9G20060090	20	60	90	17.5-19.0
AB9G20080090	20	80	90	17.5-19.0
AB9G20100090	20	100	90	17.5-19.0
AB9G20120090	20	120	90	17.5-19.0
AB9G20150090	20	150	90	17.5-19.0

CLOSUREFAST™ PROCEDURE

ClosureFast™

Endovenous Radiofrequency Ablation (RFA) Catheter

The ClosureFast™ Catheter uses radiofrequency energy to precisely and effectively treat patients suffering from chronic venous insufficiency (CVI).

AORTIC

PERIPHERAL

VENOUS

ClosureFast™

Endovenous Radiofrequency Ablation (RFA) Catheter

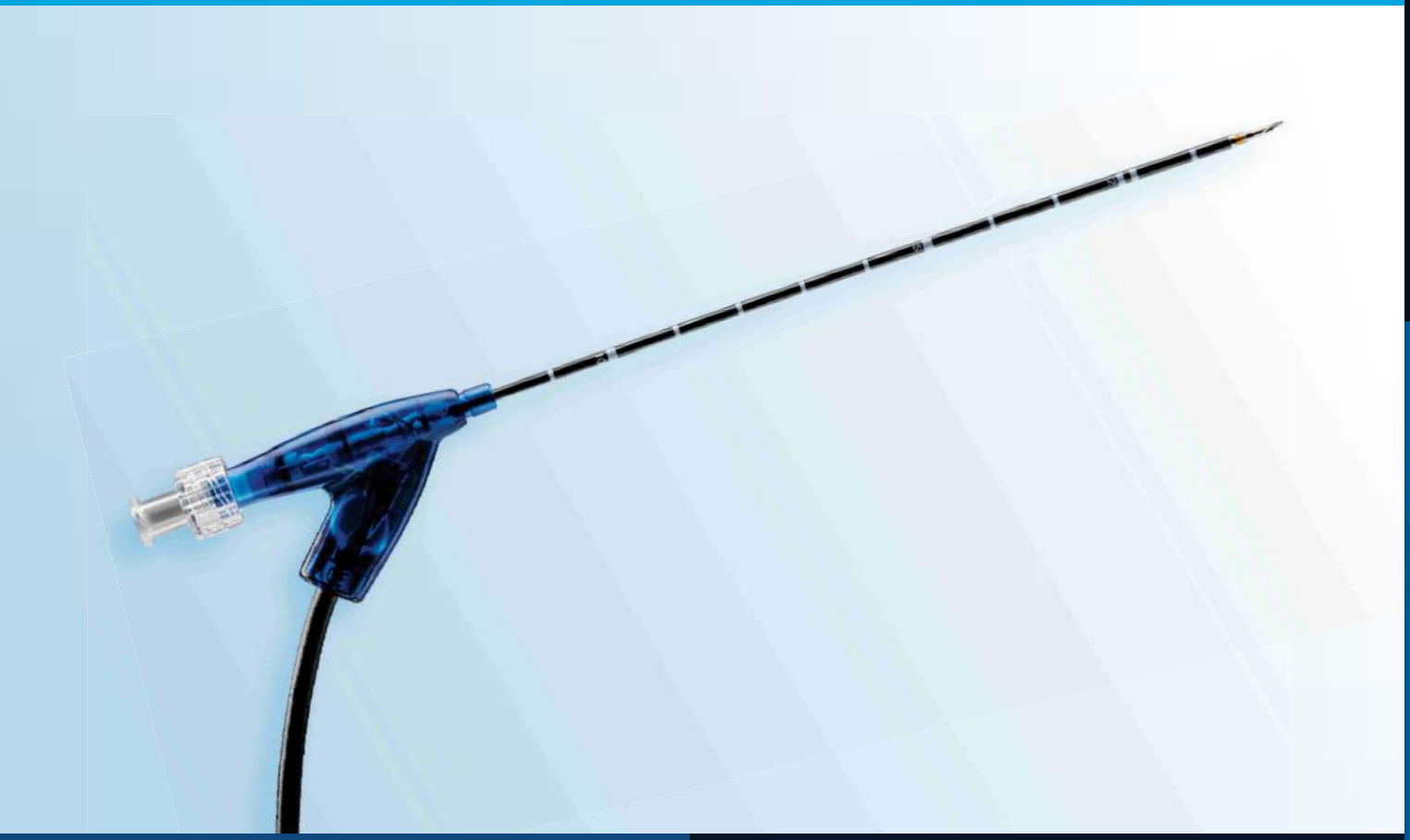
ORDER INFORMATION

Product Catalogue Number	Product Names	Working Length (cm)	Heating Element Length (cm)	Compatible Guidewire
CF7-7-60	7 F ClosureFast™ catheter	60	7	0.025"
CF7-7-100	7 F ClosureFast™ catheter	100	7	0.025"
CF7-3-60	7 F ClosureFast™ 3 cm catheter*	60	3	0.025"

*ClosureRFG™ software version 4.4.0 or higher is required.

ClosureRFS™

Endovenous Radiofrequency Stylet for Ablation of Perforators



The ClosureRFS™ Stylet is the only endovenous radiofrequency ablation device indicated for the treatment of incompetent perforator veins for patients suffering from chronic venous insufficiency (CVI).

AORTIC

PERIPHERAL

VENOUS

ClosureRFS™

Endovenous Radiofrequency Stylet for Ablation of Perforators

ORDER INFORMATION

Product Catalogue Number	Product Names	French Size (F)	Working Length (cm)	Compatible Guidewire
RFS2-6-12	ClosureRFS™ stylet	6	12	0.035"

ClosureRFG™

Radiofrequency Generator

The ClosureRFG™ Generator delivers radiofrequency energy to the ClosureFast™ Catheter and ClosureRFS™ Stylet with real time monitoring, automatic delivery adjustments and alarms to continuously meet the preset paraments for safe and effective treatment of Chronic Venous Insufficiency (CVI).

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VENOUS

ClosureRFG™

Radiofrequency Generator

ORDER INFORMATION

Product Catalogue Number*	Coaxial Dilator	Voltage
RFG3	ClosureRFG™ Radiofrequency Generator	Universal (100-240 V)

Product Catalogue Number	Product Name
RM55-079-01	EU power cord for ClosureRFG™ Radiofrequency Generator
RM55-081-01	UK power cord for ClosureRFG™ Radiofrequency Generator

*Contact your local Medtronic representative to verify which generator version is approved for use in your country.

PROCEDURE ACCESSORIES

EU-CLF-KITAC-TP
ClosureFast™ Procedure Pack with tumescent tubing

Procedure Packs

Procedure packs provide the accessory materials for the ClosureFast™ and / or ClosureRFS™ procedures while standardising procedure preparation and inventory management.

EU-CPP-7F
ClosureFast™ Procedure Pack w/out tumescent tubing

Procedure Packs

ClosureFast™ and ClosureRFS™ Stylet Procedure Accessories

ORDER INFORMATION

Product Catalogue Number	Product Names
EU-CLF-KITAC-TP	ClosureFast™ Procedure Pack with tumescent tubing
EU-CPP-7F	ClosureFast™ Procedure Pack without tumescent tubing
EU-CLF-USC	EndoVenous Procedure Pack Ultrasound Probe cover

EU-CLF-KITAC-TP
ClosureFast™ Procedure Pack with tumescent tubing

EU-CLF-USC
endoVenous Procedure Pack Ultrasound Probe cover

ClosureFast™ Catheter and ClosureRFS™ Stylet not included in the procedure packs.

EU-CPP-7F
ClosureFast™ Procedure Pack w/out tumescent tubing

Tumescent

Infiltration Pump

Tumescent infiltration technique can be delivered with less effort, faster and with higher patient comfort via a Tumescent Pump and infiltration kit.

Tumescent

Infiltration Pump

ORDER INFORMATION

Product Catalogue Number	Product Names
4187	Tumescent Pump w/foot pedal
1501COV	Foot Pedal for tumescent pump

Product Catalogue Number	Product Name	Quantity
6022COV	Tumescent tubing set	10 units (package)

Product Catalogue Number	Product Name	Quantity
4180	DP30 Pump w/o pedal	1

Ultrasound

Probe Cover

The Ultrasound probe cover ensures probe sterility while facilitating probe handling.

AORTIC

PERIPHERAL

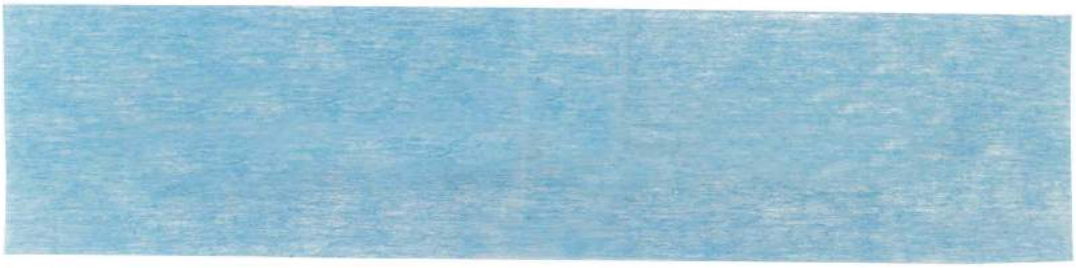
VENOUS

Ultrasound

Probe Cover

ORDER INFORMATION

Product Catalogue Number	Product Name	Quantity
EU-CLF-USC	Ultrasound probe cover	10 units (package)



EU-CLF-USC
Ultrasound Probe cover

VENASEAL™ PROCEDURE

AORTIC

PERIPHERAL

VENOUS

VenaSeal™

Closure System

The VenaSeal™ Closure System is a non-thermal, non-tumescent, non-sclerosant procedure that uses a proprietary medical adhesive to treat symptomatic venous reflux.

AORTIC

PERIPHERAL

VENOUS

VenaSeal™

Closure System

ORDER INFORMATION

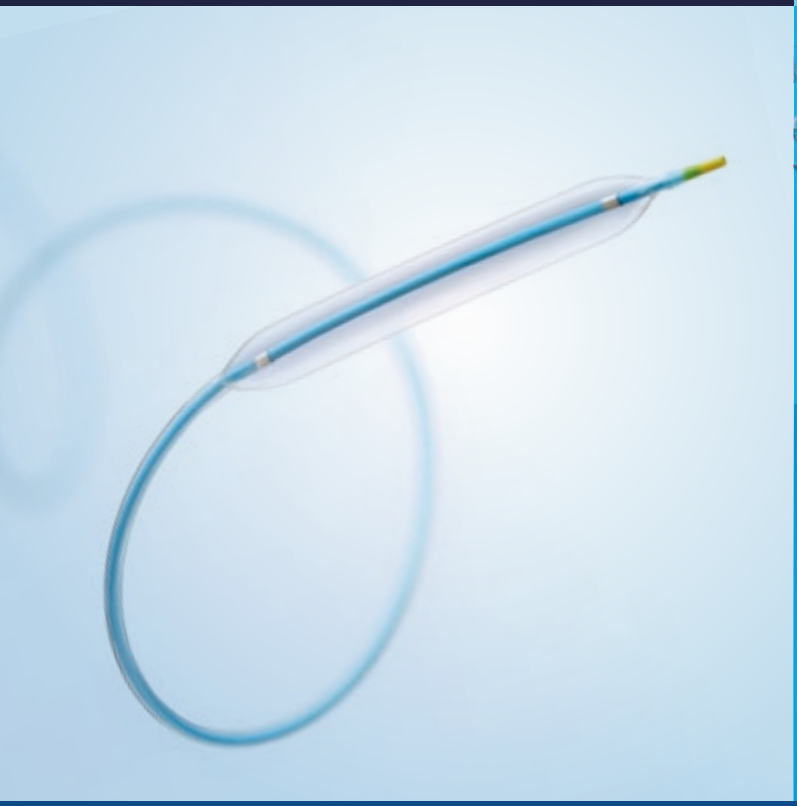
Product Catalogue Number	Product Name	Quantity
SP-101	VenaSeal™ Closure System	5 units (package)

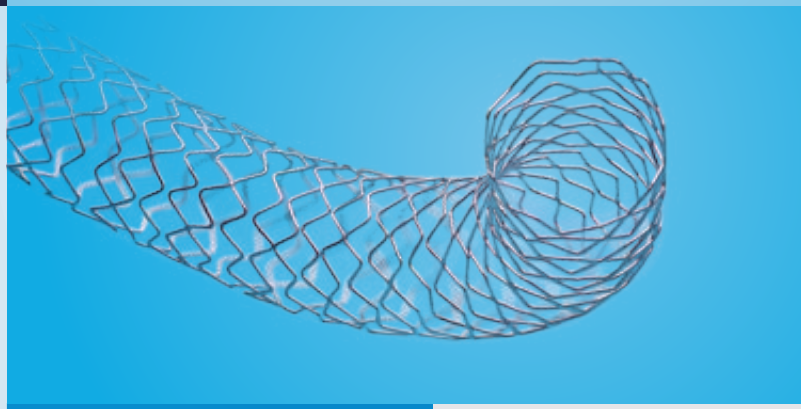
Medtronic

Medtronic International Trading Sarl
Route du Molliau 31
Case postale
1131 Tolochenaz
Switzerland
Tel: +41 (0) 21 802 70 00
Fax: +41 (0) 21 802 79 00

medtronic.eu

CORONARY VASCULAR AND RENAL DENERVATION PRODUCT CATALOGUE





Medtronic

Further, Together

INTRODUCTION

GOING "FURTHER, TOGETHER"

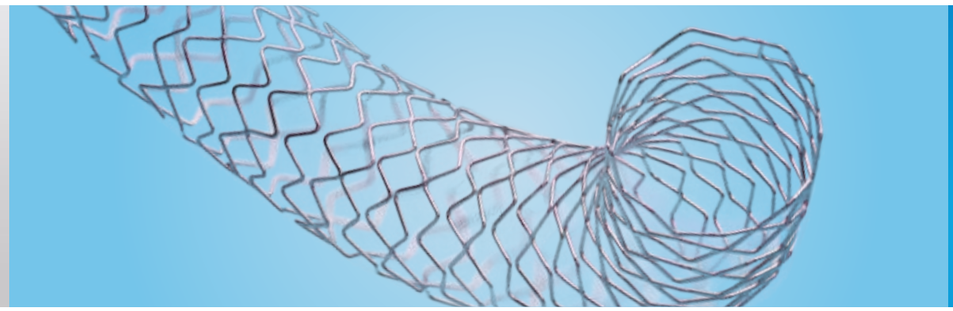
As a global leader in medical technology, services and solutions, Medtronic improves the health and lives of millions of people each year. We believe our deep clinical, therapeutic, and economic expertise can help address the complex challenges — such as rising costs, aging populations, and the burden of chronic disease — faced by families and healthcare systems today. But no one can do it alone. That's why we're committed to partnering in new ways and developing powerful solutions that deliver better patient outcomes.

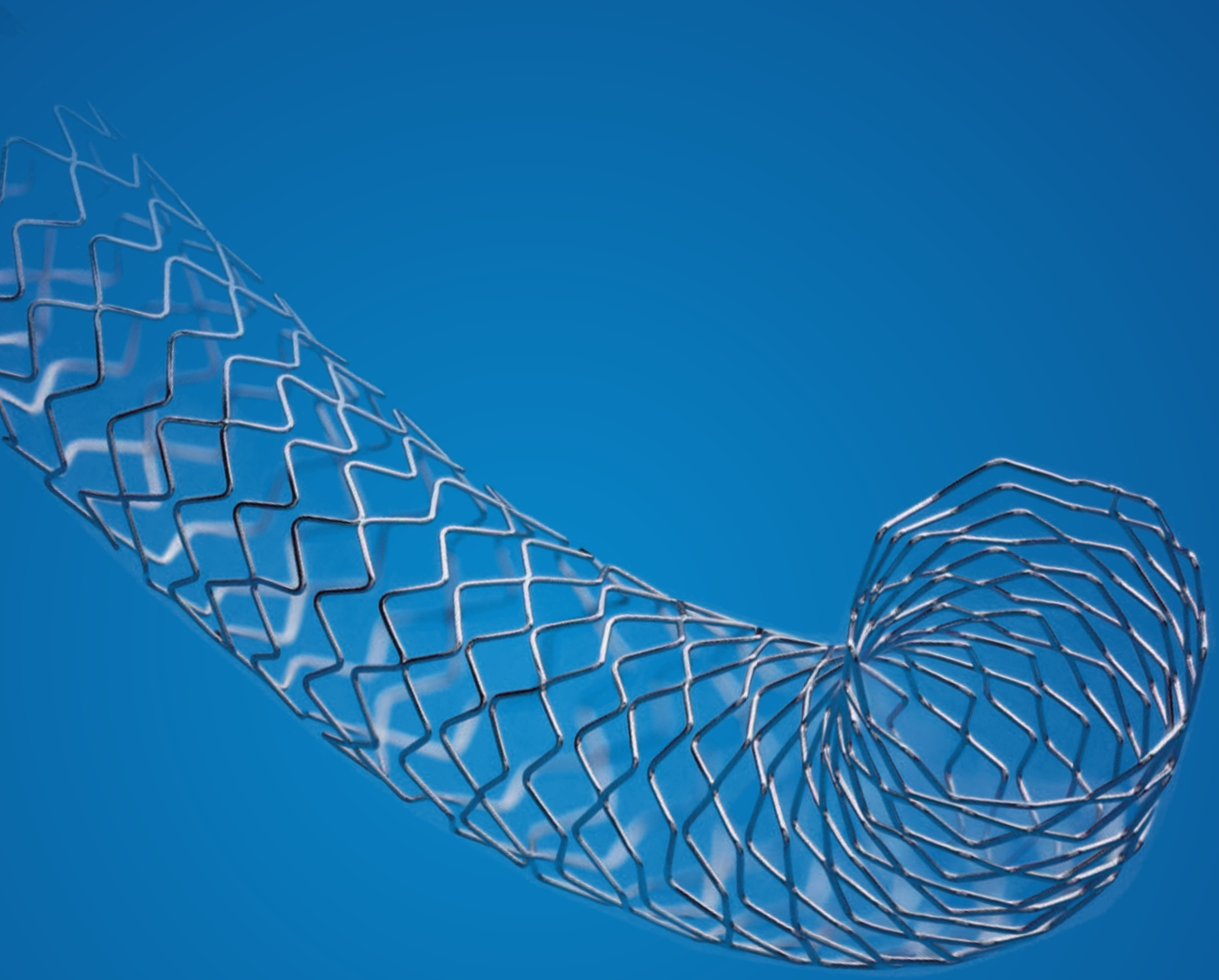
We call this new approach **"Further,Together."** "Further," because we will continue to drive progress in innovation, and devise powerful solutions with proven clinical and economic value as the basis of our offerings and value proposition. And "Together." because we will forge new, different, and stronger partnerships to help our customers achieve their goal of delivering more seamless, integrated care across the healthcare continuum.

The main tenets of "Further, Together." focus on developing **meaningful innovations** at the therapy, procedural, and system levels; leveraging our capabilities and expertise to align value among the various stakeholders in the healthcare system; and expanding global access to healthcare — all while developing new partnerships with those who are committed to transforming healthcare.

Founded in 1949 as a medical repair company, we're now among the world's largest medical technology, services and solutions companies, employing more than 85,000 people worldwide, serving physicians, hospitals and patients in more than 155 countries. Join us in our commitment to take healthcare Further, Together. Learn more at **Medtronic.com**.

CONTENTS





DRUG ELUTING STENTS

CORONARY STENTS

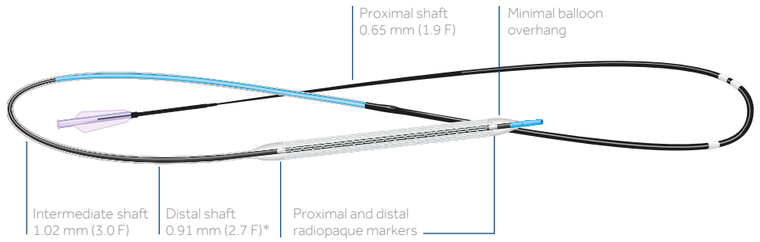
Resolute™
Drug-Eluting Stent System. Proven Value

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 1 • Label color: White

PRODUCT DESCRIPTION

The Resolute zotarolimus-eluting rapid exchange coronary stent system offers safe long-term drug elution with the BioLinx polymer specifically designed for DES.



*1.02 mm (3.0F) for all 4.00 mm stent sizes

00643169265455
Crossing Profile: 2.25–4.00 mm stents = 1.01–1.22 mm (0.040–0.048 in.)

RESOLUTE DRUG-ELUTING STENT SYSTEM

PRODUCT CODE	STENT DIAMETER (MM)	STENT LENGTH (MM)
ERES22508X	2.25	8
ERES25008X	2.50	8
ERES27508X	2.75	8
ERES30009X	3.00	9
ERES35009X	3.50	9
ERES40009X	4.00	9
ERES22512X	2.25	12
ERES25012X	2.50	12
ERES27512X	2.75	12
ERES30012X	3.00	12
ERES35012X	3.50	12
ERES40012X	4.00	12
ERES22514X	2.25	14
ERES25014X	2.50	14
ERES27514X	2.75	14
ERES30015X	3.00	15
ERES35015X	3.50	15
ERES40015X	4.00	15
ERES22518X	2.25	18
ERES25018X	2.50	18

PRODUCT CODE	STENT DIAMETER (MM)	STENT LENGTH (MM)
ERES27518X	2.75	18
ERES30018X	3.00	18
ERES35018X	3.50	18
ERES40018X	4.00	18
ERES22524X	2.25	24
ERES25024X	2.50	24
ERES27524X	2.75	24
ERES30024X	3.00	24
ERES35024X	3.50	24
ERES40024X	4.00	24
ERES22530X	2.25	30
ERES25030X	2.50	30
ERES27530X	2.75	30
ERES30030X	3.00	30
ERES35030X	3.50	30
ERES40030X	4.00	30
ERES30038X	3.00	38
ERES35038X	3.50	38
ERES40038X	4.00	38

CORONARY STENTS

Resolute™
Drug-Eluting Stent System. Proven Value

COMPLIANCE DATA

PRESSURE (ATM)	DIAMETER (MM)					
	2.25	2.50	2.75	3.00	3.50	4.00
7 (709 kPa)	2.20	2.48	2.67	2.90	3.32	3.82
8 (811 kPa)	2.24	2.53	2.73	2.96	3.40	3.90
9 (912 kPa)	2.28	2.58	2.80	3.02	3.49	3.96
10 (1013 kPa)	2.32	2.62	2.85	3.06	3.53	4.01
11 (1115 kPa)	2.36	2.66	2.89	3.10	3.57	4.07
12 (1216 kPa)	2.40	2.70	2.93	3.15	3.63	4.11
13 (1317 kPa)	2.44	2.73	2.97	3.19	3.68	4.16
14 (1418 kPa)	2.48	2.77	3.02	3.24	3.73	4.20
15 (1520 kPa)	2.52	2.81	3.07	3.29	3.78	4.25
16 (1621 kPa)	2.56	2.85	3.11	3.34	3.84	4.29
17 (1722 kPa)	2.60	2.89	3.16	3.38	3.89	4.34
18 (1824 kPa)	2.65	–	3.20	3.44	3.94	4.38
MSID	3.50	3.50	3.50	4.75	4.75	4.75

Nominal pressure | Rated burst pressure[1] | Maximum Stent I.D.[2]

1. Do not exceed rated burst pressure.
2. Do not expand to a diameter beyond 0.5 mm of its nominal diameter

CORONARY STENTS

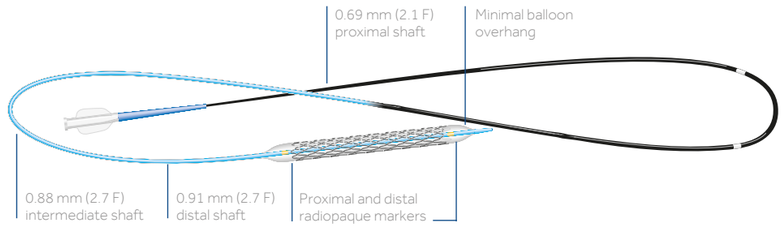
Resolute Integrity™
Drug-Eluting Stent System. Everyday Performance

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 1 • Label color: White

PRODUCT DESCRIPTION

The Resolute Integrity zotarolimus-eluting rapid exchange coronary stent system effectively combines the superior deliverability[1] of the Integrity stent platform utilizing continuous sinusoid technology and offers key performance attributes with the proven long-term safety and efficacy of Resolute DES.[2]



RESOLUTE INTEGRITY DRUG-ELUTING STENT SYSTEM

PRODUCT CODE	STENT DIAMETER (MM)	STENT LENGTH (MM)
RSINT22508X	2.25	8
RSINT22512X	2.25	12
RSINT22514X	2.25	14
RSINT22518X	2.25	18
RSINT22522X	2.25	22
RSINT22526X	2.25	26
RSINT22530X	2.25	30
RSINT25008X	2.50	8
RSINT25012X	2.50	12
RSINT25014X	2.50	14
RSINT25018X	2.50	18
RSINT25022X	2.50	22
RSINT25026X	2.50	26
RSINT25030X	2.50	30
RSINT27508X	2.75	8
RSINT27512X	2.75	12
RSINT27514X	2.75	14
RSINT27518X	2.75	18
RSINT27522X	2.75	22
RSINT27526X	2.75	26
RSINT27530X	2.75	30
RSINT30009X	3.00	9
RSINT30012X	3.00	12
RSINT30015X	3.00	15

PRODUCT CODE	STENT DIAMETER (MM)	STENT LENGTH (MM)
RSINT30018X	3.00	18
RSINT30022X	3.00	22
RSINT30026X	3.00	26
RSINT30030X	3.00	30
RSINT30034X	3.00	34
RSINT30038X	3.00	38
RSINT35009X	3.50	9
RSINT35012X	3.50	12
RSINT35015X	3.50	15
RSINT35018X	3.50	18
RSINT35022X	3.50	22
RSINT35026X	3.50	26
RSINT35030X	3.50	30
RSINT35034X	3.50	34
RSINT35038X	3.50	38
RSINT40009X	4.00	9
RSINT40012X	4.00	12
RSINT40015X	4.00	15
RSINT40018X	4.00	18
RSINT40022X	4.00	22
RSINT40026X	4.00	26
RSINT40030X	4.00	30
RSINT40034X	4.00	34
RSINT40038X	4.00	38

1. Bench test data vs. Abbott Xience Prime and Boston Scientific Promus Element on file at Medtronic, Inc.
2. RESOLUTE All Comers 12-month data. RESOLUTE All Comers evaluated the Resolute stent.
3. Internal bench test data on file at Medtronic, Inc.

Technical Information:
5F Minimum guide catheter I.D. 1.4 mm (0.056 in.)
Crossing Profiles:[3]
2.25–2.75 mm: 1.01–1.10 mm (0.040–0.043 in.)
3.0–4.0 mm: 1.10–1.31 mm (0.043–0.052 in.)

CORONARY STENTS

Resolute Integrity™
Drug-Eluting Stent System. Everyday Performance

COMPLIANCE DATA

PRESSURE (ATM)	DIAMETER (MM)					
	2.25	2.50	2.75	3.00	3.50	4.00
6 (608 kPa)	2.20	2.45	2.70	2.90	3.30	3.75
7 (709 kPa)	2.20	2.45	2.70	2.95	3.35	3.80
8 (811 kPa)	2.25	2.50	2.75	3.00	3.40	3.90
9 (912 kPa)	2.30	2.55	2.80	3.05	3.50	3.95
10 (1013 kPa)	2.30	2.60	2.85	3.10	3.55	4.05
11 (1115 kPa)	2.35	2.60	2.90	3.15	3.60	4.10
12 (1216 kPa)	2.40	2.65	2.95	3.20	3.65	4.15
13 (1317 kPa)	2.40	2.70	3.00	3.20	3.70	4.20
14 (1419 kPa)	2.45	2.70	3.05	3.25	3.75	4.25
15 (1520 kPa)	2.50	2.75	3.10	3.30	3.80	4.30
16 (1621 kPa)	2.55	2.80	3.15	3.35	3.85	4.35
17 (1723 kPa)	2.60	2.80	3.20	3.40	3.90	4.40
18 (1824 kPa)	2.60	2.85	3.25	3.45	3.95	4.45
19 (1925 kPa)	—	2.90	3.30	3.50	4.00	4.50
20 (2027 kPa)	—	2.95	3.40	3.55	4.05	—
MSID	3.50	3.50	3.50	4.75	4.75	4.75

Nominal pressure	Rated burst pressure[1]	Maximum Stent I.D.[2]

1. Do not exceed rated burst pressure.
2. Do not postdilate the 2.25–2.75-mm stents to greater than 3.50 mm.
   Do not postdilate the 3.00–4.00-mm stents to greater than 4.75 mm.

CORONARY STENTS

Resolute Onyx™ Drug-Eluting Stent System. Advanced Workhorse

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 1 • Label color: White

PRODUCT DESCRIPTION

Resolute Onyx zotarolimus-eluting coronary stent builds on the Integrity™ platform's acute procedural success[1] utilizing Continuous Sinusoid Technology and introduces Core Wire Technology for increased radiopacity, deliverability[2] and performance, the broadest size matrix to optimize treatment of complex clinical scenarios and the proven long-term safety and efficacy shown in the Global RESOLUTE Program

Lubricious hydrophilic coating for reduced drag

0.69 mm (2.1 F) proximal shaft

PowerTrac™ technology enhances deliverability

Resilient hypotube for high shaft column strength

Enhanced balloon material improves flexibility and trackability

0.91 mm (2.7 F) distal shaft 4.50–5.00 mm: 1.07 mm (3.2 F)

Platinum iridium marker bands enhance visibility

Reduced catheter profile under the stent enables lower crossing profiles

RESOLUTE INTEGRITY DRUG-ELUTING STENT SYSTEM

PRODUCT CODE	STENT DIAMETER (MM)	STENT LENGTH (MM)
RONYX20008X	2.00	8
RONYX20012X	2.00	12
RONYX20015X	2.00	15
RONYX20018X	2.00	18
RONYX20022X	2.00	22
RONYX20026X	2.00	26
RONYX20030X	2.00	30
RONYX22508X	2.25	8
RONYX22512X	2.25	12
RONYX22515X	2.25	15
RONYX22518X	2.25	18
RONYX22522X	2.25	22
RONYX22526X	2.25	26
RONYX22530X	2.25	30
RONYX22534X	2.25	34
RONYX22538X	2.25	38
RONYX25008X	2.50	8
RONYX25012X	2.50	12
RONYX25015X	2.50	15
RONYX25018X	2.50	18
RONYX25022X	2.50	22
RONYX25026X	2.50	26
RONYX25030X	2.50	30
RONYX25034X	2.50	34
RONYX25038X	2.50	38
RONYX27508X	2.75	8
RONYX27512X	2.75	12
RONYX27515X	2.75	15
RONYX27518X	2.75	18
RONYX27522X	2.75	22
RONYX27526X	2.75	26
RONYX27530X	2.75	30
RONYX27534X	2.75	34
RONYX27538X	2.75	38
RONYX30008X	3.00	8
RONYX30012X	3.00	12
RONYX30015X	3.00	15

PRODUCT CODE	STENT DIAMETER (MM)	STENT LENGTH (MM)
RONYX30018X	3.00	18
RONYX30022X	3.00	22
RONYX30026X	3.00	26
RONYX30030X	3.00	30
RONYX30034X	3.00	34
RONYX30038X	3.00	38
RONYX35008X	3.50	8
RONYX35012X	3.50	12
RONYX35015X	3.50	15
RONYX35018X	3.50	18
RONYX35022X	3.50	22
RONYX35026X	3.50	26
RONYX35030X	3.50	30
RONYX35034X	3.50	34
RONYX35038X	3.50	38
RONYX40008X	4.00	8
RONYX40012X	4.00	12
RONYX40015X	4.00	15
RONYX40018X	4.00	18
RONYX40022X	4.00	22
RONYX40026X	4.00	26
RONYX40030X	4.00	30
RONYX40034X	4.00	34
RONYX40038X	4.00	38
RONYX45012X	4.50	12
RONYX45015X	4.50	15
RONYX45018X	4.50	18
RONYX45022X	4.50	22
RONYX45026X	4.50	26
RONYX45030X	4.50	30
RONYX50012X	5.00	12
RONYX50015X	5.00	15
RONYX50018X	5.00	18
RONYX50022X	5.00	22
RONYX50026X	5.00	26
RONYX50030X	5.00	30

1. DELIVER study
2. Based on bench test data vs. Promus Premier™ DES, Synergy™ II DES, Xience Xpedition™ DES, Xience Alpine™ DES, BioMatrix NeoFlex™ DES, Orsiro™ DES Ultimaster™ DES and Resolute Integrity™ DES.

CORONARY STENTS

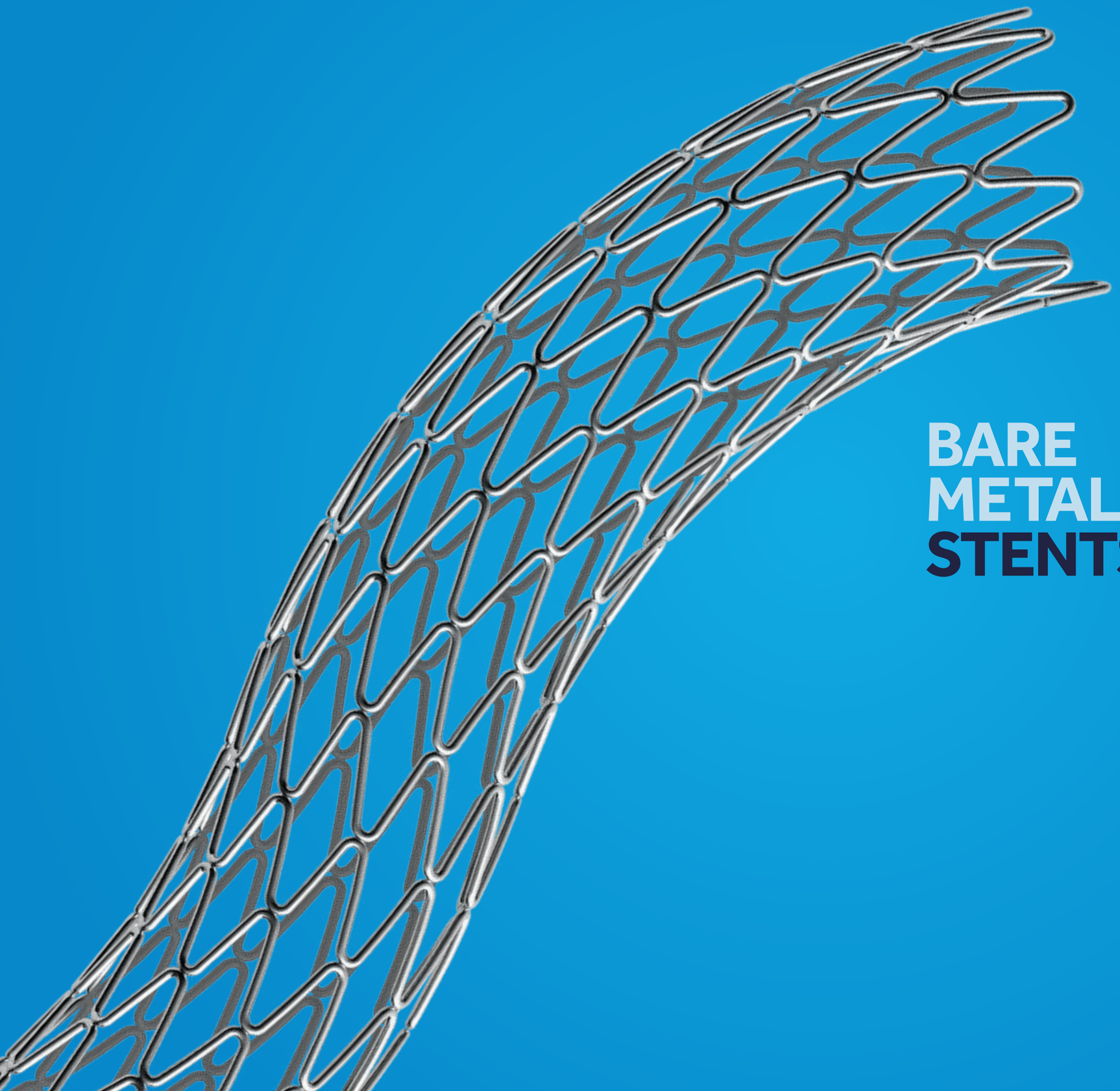
Resolute Onyx™ Drug-Eluting Stent System. Advanced Workhorse

COMPLIANCE DATA

PRESSURE (ATM)	STENT DIAMETER, DEPLOYED STENT I.D. (MM)								
	2.00	2.25	2.50	2.75	3.00	3.50	4.00	4.50	5.00
7 (709 kPa)	1.85	2.05	2.25	2.45	2.75	3.05	3.60	4.10	4.55
8 (811 kPa)	1.90	2.10	2.30	2.55	2.80	3.15	3.70	4.20	4.65
9 (912 kPa)	1.90	2.15	2.35	2.60	2.90	3.25	3.80	4.30	4.80
10 (1013 kPa)	1.95	2.20	2.45	2.65	2.95	3.35	3.85	4.40	4.90
11 (1115 kPa)	2.00	2.25	2.50	2.70	3.00	3.40	3.95	4.45	4.95
12 (1216 kPa)	2.05	2.30	2.55	2.75	3.05	3.45	4.00	4.50	5.05
13 (1317 kPa)	2.05	2.35	2.55	2.80	3.10	3.50	4.05	4.55	5.10
14 (1419 kPa)	2.10	2.35	2.60	2.80	3.10	3.55	4.05	4.60	5.15
15 (1520 kPa)	2.10	2.35	2.60	2.85	3.15	3.55	4.10	4.65	5.20
16 (1621 kPa)	2.15	2.40	2.65	2.90	3.20	3.60	4.15	4.70	5.25
17 (1723 kPa)	2.15	2.40	2.70	2.90	3.20	3.65	4.20	4.80	5.30
18 (1824 kPa)	2.20	2.45	2.70	2.95	3.25	3.70	4.25	4.85	5.35
19 (1925 kPa)	2.20	2.45	2.75	3.00	3.30	3.75	4.30	–	–
20 (2027 kPa)	2.25	2.50	2.75	3.00	3.35	3.80	4.35	–	–
21 (2128 kPa)	2.25	2.50	2.80	3.05	3.40	3.80	4.40	–	–
MSID	3.25	3.25	3.25	3.75	3.75	4.75	4.75	5.75	5.75

Nominal pressure	Rated burst pressure[1]	Maximum Stent I.D.[2]

1. Do not exceed rated burst pressure.
2. Do not postdilate greater than listed value.



BARE METAL STENTS

CORONARY STENTS

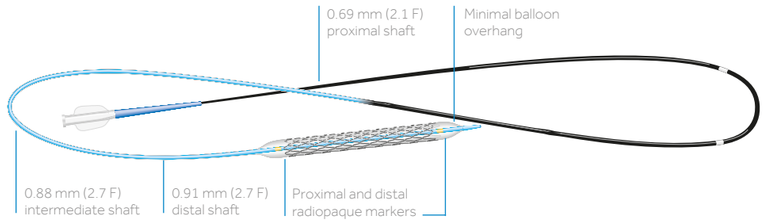
Integrity™
Bare-Metal Rapid Exchange Coronary Stent System

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

The Integrity™ Bare-Metal Rapid Exchange Coronary Stent System is a low-profile advanced cobalt alloy stent manufactured using Continuous Sinusoid Technology and mounted on the extended-pressure, semi-compliant, rapid exchange MicroTrac delivery system with a low-profile exchange joint for 6 F KBT and 7 F KST* compatibility and an enhanced tip design.



INTEGRITY RAPID EXCHANGE CORONARY STENT SYSTEM

PRODUCT CODE	STENT DIAMETER (MM)	STENT LENGTH (MM)
INT22508X	2.25	8
INT22512X	2.25	12
INT22514X	2.25	14
INT22518X	2.25	18
INT22522X	2.25	22
INT22526X	2.25	26
INT22530X	2.25	30
INT25008X	2.50	8
INT25012X	2.50	12
INT25014X	2.50	14
INT25018X	2.50	18
INT25022X	2.50	22
INT25026X	2.50	26
INT25030X	2.50	30
INT27508X	2.75	8
INT27512X	2.75	12
INT27514X	2.75	14
INT27518X	2.75	18
INT27522X	2.75	22
INT27526X	2.75	26
INT27530X	2.75	30

PRODUCT CODE	STENT DIAMETER (MM)	STENT LENGTH (MM)
INT30009X	3.00	9
INT30012X	3.00	12
INT30015X	3.00	15
INT30018X	3.00	18
INT30022X	3.00	22
INT30026X	3.00	26
INT30030X	3.00	30
INT35009X	3.50	9
INT35012X	3.50	12
INT35015X	3.50	15
INT35018X	3.50	18
INT35022X	3.50	22
INT35026X	3.50	26
INT35030X	3.50	30
INT40009X	4.00	9
INT40012X	4.00	12
INT40015X	4.00	15
INT40018X	4.00	18
INT40022X	4.00	22
INT40026X	4.00	26
INT40030X	4.00	30

CORONARY STENTS

Integrity™
Bare-Metal Rapid Exchange Coronary Stent System

COMPLIANCE DATA

PRESSURE KPA (ATM)	DEPLOYED STENT I.D. (MM)					
	2.25	2.50	2.75	3.00	3.50	4.00
608 (6)	2.25	2.50	2.75	2.95	3.35	3.80
709 (7)	2.25	2.50	2.80	3.00	3.40	3.85
811 (8)	2.30	2.55	2.85	3.05	3.45	3.95
912 (9)	2.35	2.60	2.85	3.10	3.50	4.00
1013 (10)	2.35	2.65	2.90	3.15	3.60	4.05
1115 (11)	2.40	2.70	2.95	3.20	3.65	4.15
1216 (12)	2.45	2.70	3.00	3.25	3.65	4.20
1317 (13)	2.50	2.75	3.05	3.30	3.70	4.20
1419 (14)	2.50	2.80	3.10	3.30	3.75	4.25
1520 (15)	2.55	2.80	3.10	3.35	3.80	4.30
1621 (16)	2.60	2.85	3.15	3.40	3.85	4.35
1723 (17)	2.65	2.90	3.20	3.45	3.90	4.40
1824 (18)	2.70	2.95	3.25	3.50	3.90	4.45
1925 (19)	2.75	3.00	3.30	3.55	3.95	4.50
2027 (20)	2.80	3.05	3.40	3.60	4.00	—
MSID	3.50*	3.50*	3.50*	4.75*	4.75*	4.75*

Nominal pressure	Rated burst pressure[1]	Maximum Stent I.D.[2]

1. Do not exceed rated burst pressure.
2. Do not dilate the 2.25–2.75-mm stents to greater than 3.50 mm.
   Do not dilate the 3.00–4.00-mm stents to greater than 4.75 mm.

BALLOON DILATATION CATHETERS

BALLOON DILATATION CATHETERS

Euphora™
Semicompliant Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

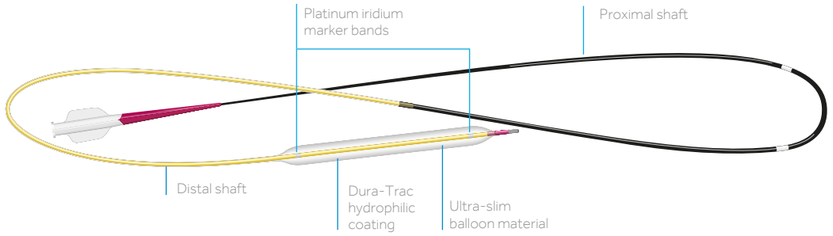
▪ Supplied sterile ▪ Items per box: 1

PRODUCT DESCRIPTION

From materials to design, every Euphora™ balloon component was developed to provide superior deliverability[1] with unmatched crossability[1] and pushability

FEATURES

- Ultra-slim balloon material
- Optimised miniwrap
- Low profile marker bands
- Tapered shaft
- PowerTrac™ shaft technology
- Low-profile inner/outer shaft



PRODUCT CODE

EUP2006X

- Rapid exchange
- Length
- Diameter
- Product code

SIZE MATRIX

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)						
	06	10	12	15	20	25	30
1.50	EUP1506X	EUP1510X	EUP1512X	EUP1515X	EUP1520X	—	—
2.00	EUP2006X	EUP2010X	EUP2012X	EUP2015X	EUP2020X	EUP2025X	EUP2030X
2.25	EUP22506X	EUP22510X	EUP22512X	EUP22515X	EUP22520X	EUP22525X	—
2.50	EUP2506X	EUP2510X	EUP2512X	EUP2515X	EUP2520X	EUP2525X	EUP2530X
2.75	EUP27506X	EUP27510X	EUP27512X	EUP27515X	EUP27520X	EUP27525X	—
3.00	EUP3006X	EUP3010X	EUP3012X	EUP3015X	EUP3020X	EUP3025X	EUP3030X
3.25	EUP32506X	EUP32510X	EUP32512X	EUP32515X	EUP32520X	EUP32525X	—
3.50	EUP3506X	EUP3510X	EUP3512X	EUP3515X	EUP3520X	EUP3525X	EUP3530X
3.75	EUP37506X	EUP37510X	EUP37512X	EUP37515X	EUP37520X	EUP37525X	—
4.00	EUP4006X	EUP4010X	EUP4012X	EUP4015X	EUP4020X	EUP4025X	EUP4030X

1. Competitive testing vs. NC Trek and NC Quantum Apex™ balloons on file at Medtronic.
2. Rated burst pressure—do not exceed.

BALLOON DILATATION CATHETERS

Euphora™
Semicompliant Balloon Dilatation Catheter

COMPLIANCE DATA

PRESSURE KPA (ATM)	AVERAGE BALLOON DIAMETER (MM)									
	1.50	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
608 (6)	1.49	2.03	2.27	2.50	2.70	2.92	3.17	3.39	3.66	3.88
709 (7)	1.51	2.05	2.30	2.52	2.73	2.95	3.21	3.43	3.70	3.93
811 (8)	1.52	2.07	2.32	2.55	2.77	2.99	3.25	3.48	3.75	3.99
912 (9)	1.54	2.09	2.35	2.58	2.80	3.03	3.30	3.53	3.80	4.04
1013 (10)	1.55	2.12	2.38	2.61	2.84	3.06	3.34	3.58	3.85	4.10
1115 (11)	1.57	2.14	2.41	2.64	2.87	3.10	3.38	3.62	3.90	4.14
1216 (12)	1.58	2.17	2.43	2.67	2.91	3.14	3.42	3.67	3.95	4.19
1317 (13)	1.60	2.19	2.46	2.70	2.94	3.17	3.46	3.71	4.00	4.23
1419 (14)	1.61	2.22	2.49	2.73	2.98	3.21	3.51	3.76	4.05	4.28
1520 (15)	1.62	2.25	2.52	2.76	3.02	3.25	3.56	3.81	4.10	4.33
1621 (16)	1.64	2.28	2.56	2.79	3.06	3.29	3.61	3.86	4.16	4.38
1723 (17)	1.65	—	2.60	2.83	3.11	3.34	3.66	3.91	4.22	4.43

Nominal pressure[1] | Rated burst pressure[2]

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

Catheter length	142 cm	
Platinum iridium marker bands	1.50 mm 2.00 – 4.00 mm	Single Double
Coating	Selective Dura-Trac	
Balloon material	Ultra-Slim	
MiniWrap	1.50 mm 2.00-3.50 mm 3.75 – 4.00 mm	2 folds 3 folds 5 folds
Shaft dimensions: 1.50 – 3.50 mm	Proximal Distal	0.69 mm (2.1 F) 0.84 mm (2.5 F)
Shaft dimensions: 3.75 – 4.00 mm	Proximal Distal	0.69 mm (2.1 F) 0.91 mm (2.7 F)
MGCID	For 1.50-4.00 mm balloon	1.42 mm/0.056 in.
Nominal pressure, atm	8	
Rated burst pressure (RBP), atm	14	
Cycles to RBP	10	
Lesion entry profile	0.016 in.	

BALLOON DILATATION CATHETERS

NC Euphora™
Noncompliant Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

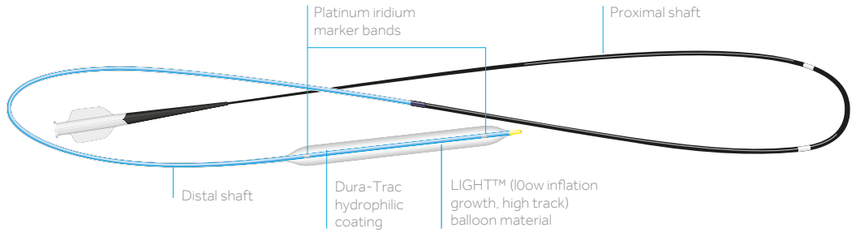
• Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

From material to design every NC Euphora™ balloon component was developed to provide superior growth profile and deliverability, excellent recross and high-pressure capability

FEATURES

- Strong, durable and flexible LIGHT™ (Low Inflation Growth, High Track) balloon material
- Low profile platinum iridium marker bands
- Optimized tapered tip
- PowerTrac™ shaft technology
- Low-profile inner/outer shaft



PRODUCT CODE

NCEUP2006X

- Rapid exchange
- Length
- Diameter
- Product code

SIZE MATRIX

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)					
	06	08	12	15	20	27
2.00	NCEUP2006X	NCEUP2008X	NCEUP2012X	NCEUP2015X	NCEUP2020X	—
2.25	NCEUP22506X	NCEUP22508X	NCEUP22512X	NCEUP22515X	NCEUP22520X	—
2.50	NCEUP2506X	NCEUP2508X	NCEUP2512X	NCEUP2515X	NCEUP2520X	NCEUP2527X
2.75	NCEUP27506X	NCEUP27508X	NCEUP27512X	NCEUP27515X	NCEUP27520X	NCEUP27527X
3.00	NCEUP3006X	NCEUP3008X	NCEUP3012X	NCEUP3015X	NCEUP3020X	NCEUP3027X
3.25	NCEUP32506X	NCEUP32508X	NCEUP32512X	NCEUP32515X	NCEUP32520X	NCEUP32527X
3.50	NCEUP3506X	NCEUP3508X	NCEUP3512X	NCEUP3515X	NCEUP3520X	NCEUP3527X
3.75	NCEUP37506X	NCEUP37508X	NCEUP37512X	NCEUP37515X	NCEUP37520X	NCEUP37527X
4.00	NCEUP4006X	NCEUP4008X	NCEUP4012X	NCEUP4015X	NCEUP4020X	NCEUP4027X
4.50	—	NCEUP4508X	NCEUP4512X	NCEUP4515X	NCEUP4520X	—
5.00	—	NCEUP5008X	NCEUP5012X	NCEUP5015X	—	—

BALLOON DILATATION CATHETERS

NC Euphora™
Noncompliant Balloon Dilatation Catheter

COMPLIANCE DATA

PRESSURE KPA (ATM)	AVERAGE BALLOON DIAMETER (MM)										
	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.50	5.00
608 (6)	1.89	2.12	2.35	2.54	2.77	2.94	3.13	3.43	3.67	4.09	4.64
709 (7)	1.91	2.15	2.37	2.57	2.80	2.97	3.17	3.47	3.72	4.14	4.71
811 (8)	1.93	2.17	2.40	2.60	2.84	3.01	3.22	3.51	3.78	4.19	4.79
912 (9)	1.95	2.19	2.43	2.63	2.87	3.06	3.27	3.56	3.84	4.25	4.86
1013 (10)	1.97	2.21	2.46	2.66	2.91	3.10	3.32	3.61	3.90	4.31	4.92
1115 (11)	1.98	2.23	2.48	2.69	2.94	3.14	3.37	3.66	3.95	4.37	4.95
1216 (12)	1.99	2.25	2.50	2.71	2.97	3.18	3.41	3.70	3.99	4.42	5.00
1317 (13)	2.00	2.26	2.51	2.73	2.99	3.21	3.44	3.73	4.03	4.47	5.04
1419 (14)	2.02	2.28	2.53	2.75	3.01	3.23	3.47	3.76	4.07	4.51	5.08
1520 (15)	2.03	2.29	2.54	2.77	3.03	3.26	3.50	3.78	4.10	4.54	5.12
1621 (16)	2.04	2.30	2.56	2.78	3.05	3.28	3.52	3.81	4.13	4.58	5.15
1723 (17)	2.05	2.31	2.58	2.80	3.07	3.30	3.55	3.83	4.15	4.60	5.19
1824 (18)	2.06	2.33	2.59	2.81	3.09	3.33	3.57	3.86	4.18	4.63	5.23
1925 (19)	2.07	2.34	2.61	2.83	3.11	3.35	3.59	3.88	4.21	4.66	5.27
2027 (20)	2.09	2.36	2.63	2.84	3.13	3.37	3.62	3.91	4.24	4.69	5.30
2128 (21)	2.10	2.37	2.65	2.86	3.15	3.39	3.64	3.93	4.28	4.72	5.35
2229 (22)	2.12	2.39	2.66	2.88	3.17	3.41	3.66	3.96	4.31	4.75	5.39
2330 (23)	2.14	2.40	2.68	2.90	3.20	3.43	3.69	3.99	4.34	4.78	—
2432 (24)	2.15	2.42	2.71	2.92	3.22	—	3.71	—	—	4.81	—
2533 (25)	—	2.44	—	2.94	3.25	—	3.74	—	—	4.84	—

Nominal pressure[1] | Rated burst pressure[2]

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

Catheter length	142 cm	
Platinum iridium marker bands	2.00 – 5.00 mm	Double
Coating	Selective Dura-Trac	
Balloon material	LIGHT (Low Inflation Growth, High Track)	
MiniWrap	2.00 – 3.75 mm 4.00 – 5.00 mm	3 folds 5 folds
Shaft dimensions For 2.00 – 3.75 mm	Proximal Distal	0.69 mm (2.1 F) 0.84 mm (2.5 F)
Shaft dimensions For 4.00 – 5.00 mm	Proximal Distal	0.69 mm (2.1 F) 0.91 mm (2.7 F)
MGCID	For 2.00 - 4.00 mm balloon For 4.50 - 5.00 mm balloon	1.42 mm/0.056 in. 1.68 mm/0.066 in.
Nominal pressure, atm	12	
Rated burst pressure (RBP), atm	20	
Cycles to RBP	20	
Lesion entry profile	0.015 in.	

BALLOON DILATATION CATHETERS

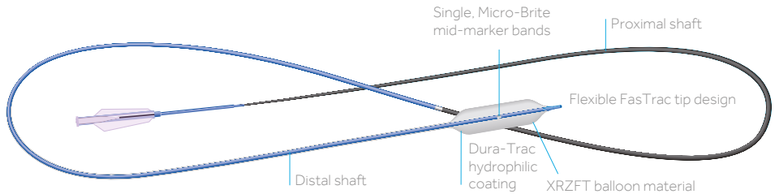
Sprinter Legend™ RX 1.25 mm
Semicompliant Rapid Exchange Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 1

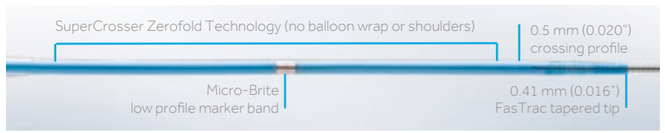
PRODUCT DESCRIPTION

The Sprinter Legend™ RX 1.25 mm semicompliant rapid exchange balloon dilatation catheter, with its SuperCrosser Zerofold Technology, (no balloon wrap or shoulders) helps provide your best chance at crossing even the most difficult lesions



FEATURES

- Lesion entry profile: 0.41 mm (0.016")
- Crossing profile: 0.5 mm (0.020")
- Profile over mid-marker: 0.6 mm (0.024")
- No wrapped material allows for ultra-low catheter profile. Expands from a straight tube into a balloon
- No balloon shoulders,[1] Facilitates balloon passage through the lesion



COMPLIANCE DATA

PRESSURE KPA (ATM)	BALLOON DIAMETER 1.25
405 (4)	0.60
507 (5)	0.60
608 (6)	0.63
709 (7)	0.67
811 (8)	0.75
912 (9)	0.86
1013 (10)	0.99
1115 (11)	1.11
1216 (12)	1.20
1317 (13)	1.28
1419 (14)	1.35
1520 (15)	1.40

Nominal pressure & Rated burst pressure

ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)				
	6	10	12	15	20
1.25	SPL12506X	SPL12510X	SPL12512X	SPL12515X	SPL12520X

1. Test data on file at Medtronic, Inc. Best-in-class profiles based on distal balloon shoulder outer diameter vs. key competitors. Bench test data may not be indicative of clinical results.

Test data on file at Medtronic, Inc. Bench testing not necessarily indicative of clinical performance.

Nominal pressure: the pressure at which the balloon reaches its labeled diameter. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated (95% confidence that 99.9% will not fail below rated burst pressure).

BALLOON DILATATION CATHETERS

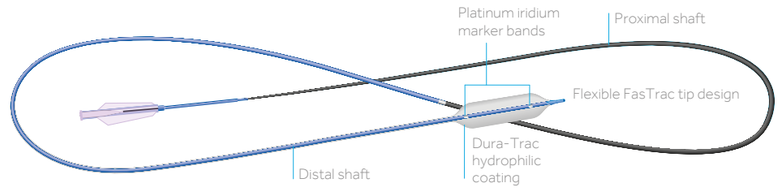
Sprinter Legend™ RX
Semicompliant Rapid Exchange Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 1

PRODUCT DESCRIPTION

A high-performing semicompliant balloon available in a wide range of diameters and lengths, designed to meet a comprehensive spectrum of interventional needs and maximise your success in treating patients



PRODUCT CODE

SPL 200 10 X

- Rapid exchange
- Length
- Diameter
- Product code

ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)						
	6	10	12	15	20	25	30
1.25	SPL12506X	SPL12510X	SPL12512X	SPL12515X	SPL12520X	—	—
1.50	SPL15006X	SPL15010X	SPL15012X	SPL15015X	SPL15020X	—	—
2.00	SPL20006X	SPL20010X	SPL20012X	SPL20015X	SPL20020X	SPL20025X	SPL20030X
2.25	SPL22506X	SPL22510X	SPL22512X	SPL22515X	SPL22520X	SPL22525X	—
2.50	SPL25006X	SPL25010X	SPL25012X	SPL25015X	SPL25020X	SPL25025X	SPL25030X
2.75	SPL27506X	—	SPL27512X	SPL27515X	SPL27520X	SPL27525X	—
3.00	SPL30006X	SPL30010X	SPL30012X	SPL30015X	SPL30020X	SPL30025X	SPL30030X
3.25	—	—	SPL32512X	SPL32515X	SPL32520X	—	—
3.50	SPL35006X	SPL35010X	SPL35012X	SPL35015X	SPL35020X	SPL35025X	SPL35030X
3.75	—	—	SPL37512X	SPL37515X	SPL37520X	—	—
4.00	SPL40006X	SPL40010X	SPL40012X	SPL40015X	SPL40020X	SPL40025X	SPL40030X

BALLOON DILATATION CATHETERS

Sprinter Legend™ RX
Semicompliant Rapid Exchange Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

▪ Supplied sterile ▪ Items per box: 1

COMPLIANCE DATA

PRESSURE KPA (ATM)	BALLOON DIAMETER (MM) 1.25	1.50	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
405 (4)	0.60	1.36	—	—	—	—	—	—	—	—	—
507 (5)	0.60	1.41	—	—	—	—	—	—	—	—	—
608 (6)	0.63	1.47	1.91	2.23	2.34	2.60	2.81	3.14	3.32	3.61	3.85
709 (7)	0.67	1.53	1.95	2.29	2.41	2.67	2.89	3.22	3.42	3.70	3.96
811 (8)	0.75	1.58	2.00	2.33	2.47	2.74	2.97	3.29	3.50	3.79	4.05
912 (9)	0.86	1.61	2.03	2.38	2.53	2.79	3.04	3.35	3.57	3.86	4.12
1013 (10)	0.99	1.64	2.06	2.41	2.57	2.84	3.09	3.40	3.63	3.93	4.18
1115 (11)	1.11	1.67	2.09	2.44	2.61	2.89	3.14	3.44	3.68	3.98	4.23
1216 (12)	1.20	1.70	2.12	2.47	2.64	2.93	3.18	3.48	3.73	4.02	4.29
1317 (13)	1.28	1.73	2.14	2.51	2.67	2.96	3.22	3.52	3.77	4.07	4.35
1419 (14)	1.35	1.75	2.16	2.54	2.70	3.00	3.25	3.56	3.82	4.12	4.40
1520 (15)	1.40	1.78	2.19	2.58	2.73	3.03	3.29	3.59	3.87	4.16	4.45
1621 (16)	—	—	2.21	2.61	2.76	3.07	3.33	3.64	3.92	4.21	4.50

Nominal pressure[1] | Rated burst pressure[2] | Nominal pressure & rated burst pressure

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

Catheter length (cm)	142
Distal shaft length (cm)	21
Platinum iridium marker bands	
1.25-1.50 mm	Single
2.00-4.00 mm	Double
Coating	Selective Dura-Trac
MiniWrap	
1.25 mm	Zero Fold
1.50 mm	2 folds
2.00 mm-3.75mm	3 folds
4.00 mm	5 folds
Shaft dimensions for 1.25-3.5mm	
Proximal	1.9F
Distal	2.4F/2.6F
Shaft dimensions for 3.75-4.00 mm	
Proximal	1.9F
Distal	2.5F/2.7F
MGCID	1.4 mm/0.056" (1.25-3.50)

▪ Compatible with 6 F kissing balloon technique.

▪ Any combination of two Sprinter Legend rapid exchange balloon models (1.25 - 3.50 mm) can be used for the Kissing Balloon Technique within a 6 F (MGCID 0.070") guide catheter. Test data on file at Medtronic, Inc.

BALLOON DILATATION CATHETERS

Sprinter Legend™ 1.25 OTW
Semi-compliant Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

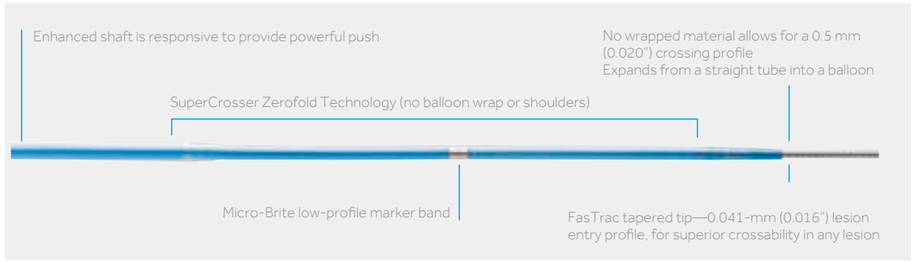
▪ Supplied sterile ▪ Items per box: 1

PRODUCT DESCRIPTION

Sprinter Legend™ 1.25 OTW semicompliant balloon is designed to maximise your chances for a successful outcome on highly complex, challenging and tightly occluded lesions.

FEATURES

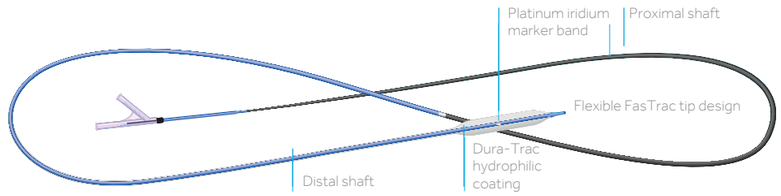
- Superb push and track—for easier lesion access
- Ultralow crossing profiles—for advanced lesion crossing
- Excellent postinflation profile—for smooth recross
- 152-cm catheter length—to facilitate extended vasculature



PRODUCT CODE

SPL 125 10 WL

- SPL — Product code
- 125 — Diameter
- 10 — Length
- WL — Over the wire



TECHNICAL INFORMATION

Catheter length (cm)	152
Distal shaft length (cm)	22.5
Platinum iridium marker band	
1.25mm	single
Coating	Selective Dura-Trac
SuperCrosser Zerofold technology	
Shaft dimensions	
Proximal	3.2F
Distal	2.4F/2.6F
MGCID	1.42 mm/0.056"
Crossing profile	1.25 MM 0.5 mm (0.020 in)

COMPLIANCE DATA

PRESSURE KPA (ATM)	BALLOON DIAMETER 1.25
405 (4)	0.60
507 (5)	0.60
608 (6)	0.63
709 (7)	0.67
811 (8)	0.75
912 (9)	0.86
1013 (10)	0.99
1115 (11)	1.11
1216 (12)	1.20
1317 (13)	1.28
1419 (14)	1.35
1520 (15)	1.40
1621 (16)	

Nominal pressure & rated burst pressure

ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM) 6	10	15	20
1.25	SPL12506WL	SPL12510WL	SPL12515WL	SPL12520WL

BALLOON DILATATION CATHETERS

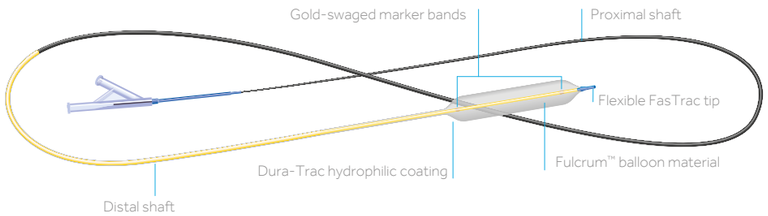
Sprinter™ OTW
Semi-compliant Over-the-Wire Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

A high-performing semicompliant balloon available in a wide range of diameters and lengths, designed to meet a comprehensive spectrum of interventional needs and maximise your success in treating patients.



PRODUCT CODE

SPL 200 10 W

- W = Over-the-Wire
- Length
- Diameter
- Product code

ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)						
	6	10	12	15	20	25	30
1.50	SPR15006W	SPR15010W	SPR15012W	SPR15015W	SPR15020W	—	—
2.00	SPR20006W	SPR20010W	SPR20012W	SPR20015W	SPR20020W	SPR2025W	SPR2030W
2.25	SPR22506W	SPR22510W	SPR22512W	SPR22515W	SPR22520W	—	—
2.50	SPR25006W	SPR25010W	SPR25012W	SPR25015W	SPR25020W	SPR2525W	SPR2530W
2.75	SPR27506W	—	SPR27512W	SPR27515W	SPR27520W	—	—
3.00	SPR30006W	SPR30010W	SPR30012W	SPR30015W	SPR30020W	SPR3025W	SPR3030W
3.25	—	—	SPR32512W	SPR32515W	SPR32520W	—	—
3.50	SPR35006W	SPR35010W	SPR35012W	SPR35015W	SPR35020W	SPR3525W	SPR3530W
3.75	—	—	SPR37512W	SPR37515W	SPR37520W	—	—
4.00	SPR40006W	SPR40010W	SPR40012W	SPR40015W	SPR40020W	SPR4025W	SPR4030W

BALLOON DILATATION CATHETERS

Sprinter™ OTW
Semi-compliant Over-the-Wire Balloon Dilatation Catheter

COMPLIANCE DATA

PRESSURE KPA (ATM)	BALLOON DIAMETER (MM) 1.50	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
405 (4)	1.37	1.77	2.00	2.22	2.40	2.62	2.87	3.01	3.35	3.48
507 (5)	1.42	1.83	2.07	2.29	2.49	2.71	2.98	3.14	3.48	3.64
608 (6)	1.47	1.88	2.14	2.37	2.57	2.81	3.08	3.25	3.60	3.78
709(7)	1.52	1.93	2.20	2.44	2.66	2.90	3.18	3.37	3.70	3.91
811 (8)	1.55	1.97	2.25	2.50	2.73	2.98	3.25	3.47	3.80	4.02
912 (9)	1.58	2.01	2.30	2.55	2.80	3.05	3.32	3.55	3.87	4.11
1013 (10)	1.60	2.04	2.33	2.59	2.85	3.10	3.38	3.62	3.93	4.19
1115 (11)	1.63	2.07	2.37	2.63	2.89	3.14	3.42	3.68	3.98	4.25
1216 (12)	1.65	2.10	2.40	2.66	2.93	3.18	3.46	3.72	4.03	4.31
1317 (13)	1.67	2.12	2.43	2.69	2.97	3.22	3.51	3.77	4.08	4.37
1419 (14)	1.69	2.15	2.46	2.72	3.00	3.26	3.55	3.82	4.13	4.42
1520 (15)	1.72	2.17	2.49	2.76	3.04	3.29	3.59	3.87	4.19	4.48
1621 (16)	-	2.19	2.53	2.79	3.08	3.33	3.64	3.92	4.24	4.54
1723 (17)	-	2.21	2.56	2.82	3.11	3.37	3.69	3.97	4.30	4.60
1824 (18)	-	2.24	2.59	2.86	3.15	3.42	3.73	4.02	4.38	4.67

Nominal pressure[1] | Rated burst pressure[2]

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

Catheter length	138 cm
Gold-swaged marker bands	
1.5mm	Single
2.00 – 4.00mm	Double
Coating	Dura-Trac selective
Balloon material	Falcrum™
MiniWrap	
1.5mm	2 folds
2.00 – 3.75mm	3 folds
4.00 – 5.00mm	5 folds
Shaft dimensions for 1.5 – 3.5mm	
Proximal	3.2 F
Distal	2.4 F / 2.6 F
Shaft dimensions for 3.75 – 4.0mm	
Proximal	3.2 F
Distal	2.5 F
MGCID	1.42 mm/0.056"

BALLOON DILATATION CATHETERS

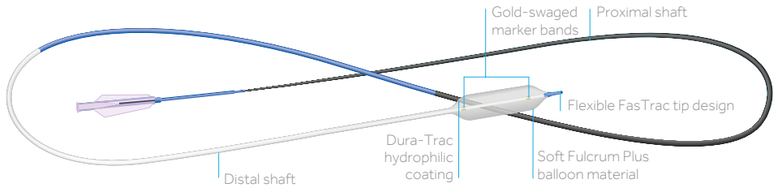
NC Sprinter™
Noncompliant Rapid Exchange Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

The NC Sprinter™ noncompliant rapid exchange balloon dilatation catheter combines proven Sprinter technology with the high-pressure capability and controlled expansion of a noncompliant balloon-performance for optimal stenting results.



PRODUCT CODE

NCSP 20 09 X

- Rapid exchange
- Length
- Diameter
- Product code

ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)					
	6	9	12	15	21	27
2.00	NCSP2006X	NCSP2009X	NCSP2012X	NCSP2015X	NCSP2021X	—
2.25	NCSP22506X	—	NCSP22512X	—	NCSP22521X	—
2.50	NCSP2506X	NCSP2509X	NCSP2512X	NCSP2515X	NCSP2521X	NCSP2527X
2.75	NCSP27506X	NCSP27509X	NCSP27512X	NCSP27515X	NCSP27521X	—
3.00	NCSP3006X	NCSP3009X	NCSP3012X	NCSP3015X	NCSP3021X	NCSP3027X
3.25	NCSP32506X	NCSP32509X	NCSP32512X	NCSP32515X	NCSP32521X	—
3.50	NCSP3506X	NCSP3509X	NCSP3512X	NCSP3515X	NCSP3521X	NCSP3527X
3.75	NCSP37506X	NCSP37509X	NCSP37512X	NCSP37515X	NCSP37521X	—
4.00	NCSP4006X	NCSP4009X	NCSP4012X	NCSP4015X	NCSP4021X	NCSP4027X
4.50	—	—	—	NCSP4515X	NCSP4521X	—
5.00	—	—	—	NCSP5015X	—	—

BALLOON DILATATION CATHETERS

NC Sprinter™
Noncompliant Rapid Exchange Balloon Dilatation Catheter

COMPLIANCE DATA

PRESSURE KPA (ATM)	BALLOON DIAMETER (MM) 2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.50	5.00
811 (8)	1.98	2.17	2.45	2.70	2.97	3.09	3.36	3.62	3.87	4.27	4.75
912 (9)	2.00	2.20	2.49	2.74	3.01	3.15	3.42	3.68	3.93	4.34	4.84
1013 (10)	2.02	2.23	2.51	2.77	3.04	3.18	3.45	3.72	3.97	4.39	4.91
1115 (11)	2.03	2.24	2.53	2.80	3.07	3.22	3.49	3.76	4.01	4.44	4.97
1216 (12)	2.05	2.26	2.55	2.82	3.10	3.25	3.52	3.79	4.05	4.48	5.01
1317 (13)	2.07	2.28	2.57	2.84	3.13	3.28	3.55	3.82	4.08	4.51	5.06
1419 (14)	2.08	2.30	2.58	2.87	3.15	3.31	3.58	3.85	4.11	4.55	5.10
1520 (15)	2.10	2.32	2.60	2.89	3.18	3.33	3.61	3.88	4.15	4.58	5.14
1621 (16)	2.12	2.33	2.62	2.91	3.20	3.36	3.63	3.90	4.18	4.61	5.18
1723 (17)	2.13	2.36	2.63	2.93	3.23	3.39	3.65	3.93	4.22	4.65	5.22
1824 (18)	2.15	2.38	2.65	2.95	3.26	3.41	3.68	3.96	4.25	4.68	5.26
1925 (19)	2.17	2.40	2.66	2.98	3.29	3.44	3.71	3.99	4.29	4.72	5.30
2026 (20)	2.19	2.42	2.68	3.00	—	3.47	3.73	4.02	—	4.76	—
2128 (21)	2.21	2.44	2.70	3.03	—	3.50	3.77	4.05	—	4.80	—
2229 (22)	2.23	2.46	2.72	3.05	—	3.53	—	4.08	—	4.84	—

Nominal pressure[1] | Rated burst pressure[2]

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

Catheter length	142 cm
Gold-swaged marker bands	
2.00 - 5.00mm	Double
Coating	Selective Dura-Trac
Balloon material	Soft Fulcrum Plus
MiniWrap	
2.00mm - 3.75mm	3 folds
4.00mm - 5.00mm	5 folds
Shaft dimensions for 2.00 - 3.75mm	
Proximal	0.65 mm (1.9F)
Distal	0.81 mm/0.86 mm (2.4F/2.6F)
Shaft dimensions for 4.00 - 5.00mm	
Proximal	0.65 mm (1.9F)
Distal	1.02 mm (3.0F)
MGCID	
2.00mm - 4.00mm	1.42 mm/.056”
4.50mm - 5.00mm	1.68 mm/.066”

DRUG ELUTING BALLOONS

DRUG ELUTING BALLOONS

In.Pact Falcon™ Paclitaxel-Eluting Coronary Balloon Catheter

GENERAL CHARACTERISTICS

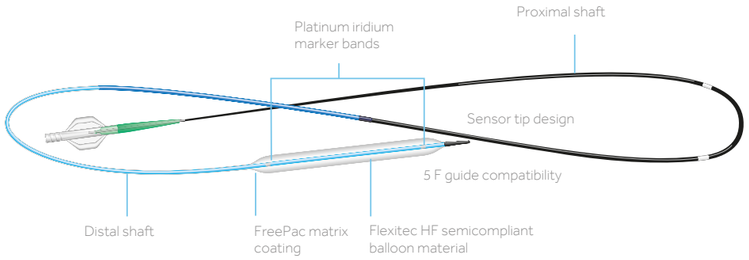
- Supplied sterile; items per box: 1

PRODUCT DESCRIPTION

The balloon's unique FreePac coating combines urea and paclitaxel molecules into a compound that provides increased drug solubility and optimal diffusion into the vessel wall, short-term drug delivery and continued antirestenotic protection.

FEATURES

- Paclitaxel drug
- Urea drug carrier
- Falcon™ Bravo semi-compliant balloon



PRODUCT CODE

FLC P20 014 B12

- Semi-compliant construction
- Length
- Diameter
- Product code

ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)			
	14	20	30	40
2.00	FLC P20 014 B12	FLC P20 020 B12	FLC P20 030 B12	—
2.25	FLC P22 014 B12	FLC P22 020 B12	FLC P22 030 B12	—
2.50	FLC P25 014 B12	FLC P25 020 B12	FLC P25 030 B12	FLC P25 040 B12
2.75	FLC P27 014 B12	FLC P27 020 B12	FLC P27 030 B12	—
3.00	FLC P30 014 B12	FLC P30 020 B12	FLC P30 030 B12	FLC P30 040 B12
3.25	FLC P32 014 B12	FLC P32 020 B12	FLC P32 030 B12	—
3.50	FLC P35 014 B12	FLC P35 020 B12	FLC P35 030 B12	FLC P35 040 B12
3.75	FLC P37 014 B12	FLC P37 020 B12	FLC P37 030 B12	—
4.00	FLC P40 014 B12	FLC P40 020 B12	—	—

DRUG ELUTING BALLOONS

In.Pact Falcon™ Paclitaxel-Eluting Coronary Balloon Catheter

COMPLIANCE DATA

PRESSURE KPA (ATM)	BALLOON LENGTH (MM)								
	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
507 (5)	1.90	2.15	2.40	2.65	2.90	3.15	3.40	3.65	3.90
608 (6)	1.95	2.20	2.45	2.70	2.95	3.20	3.45	3.70	3.95
709 (7)	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.35
811 (8)	2.02	2.27	2.52	2.78	3.03	3.28	3.54	3.80	4.05
912 (9)	2.04	2.29	2.54	2.82	3.07	3.32	3.58	3.85	4.10
1013 (10)	2.06	2.31	2.57	2.86	3.11	3.36	3.62	3.90	4.15
1115 (11)	2.08	2.34	2.60	2.90	3.15	3.40	3.66	3.95	4.20
1216 (12)	2.11	2.37	2.63	2.94	3.19	3.45	3.70	4.00	4.25
1317 (13)	2.14	2.40	2.67	2.98	3.23	3.50	3.75	4.05	4.30
1419 (14)	2.17	2.43	2.71	3.02	3.27	3.55	3.80	4.10	4.35
1520 (15)	2.20	2.46	2.75	3.06	3.31	3.60	3.85	4.15	4.40
1621 (16)	2.23	2.50	2.80	—	—	—	—	—	—
1723 (17)	2.26	—	—	—	—	—	—	—	—

Nominal pressure	Rated burst pressure[1]

1. Do not exceed rated burst pressure.
Test data on file at Medtronic, Inc.

TECHNICAL INFORMATION

Catheter length, cm	142	
Platinum iridium marker bands 2.00 – 4.00 mm	Double	
Coating	FreePac matrix	
Balloon material	Flexitec HF	
Guide compatibility	5F	
Nominal pressure, atm	7	
Rated burst pressure (RBP), atm	2.00 mm 2.25 - 2.50 mm 2.75 - 4.00 mm	17 16 15

GUIDE CATHETERS

CORONARY
GUIDE CATHETER FAMILY

LAUNCHER™

- Balanced guide for stable and consistent performance
- Workhorse construction suitable for a variety of anatomies and takeoffs
- Flexible distal segment for manipulation if case requires
- Large 6F I.D. (0.071"). allows for increased contrast flow for enhanced visualization
- Multiple guide catheter platforms provide options for guide engagement

SHERPA NX™ ACTIVE

- Soft distal segment for active engagement with soft tip and advanced material liner for consistent low-friction device passage
- Distal segment allows for manipulation of the catheter to obtain stable position
- Distal segment can reshape in anatomy
- Large I.D. allows for enhanced contrast flow and better visualization

SHERPA NX™ BALANCED

- Balanced guide for stable consistent performance with soft tip and advanced HDPE liner for smooth, low-friction device passage
- Workhorse construction suitable for a variety of anatomies and takeoffs
- Flexible distal segment for manipulation if case requires
- Supportive secondary curve for increased backup support and curve retention
- Large ID for maximum contrast flow and absolute visualization

1. SH available on all curves. **2.** Custom built curves also available.
The curve recommendations on this sheet are not intended to replace patient specific clinical judgement.
Caution: Federal (USA) law restricts these devices to sale by or on the order of a licensed healthcare practioner.

CORONARY
GUIDE CATHETER FAMILY

ZUMA 2™

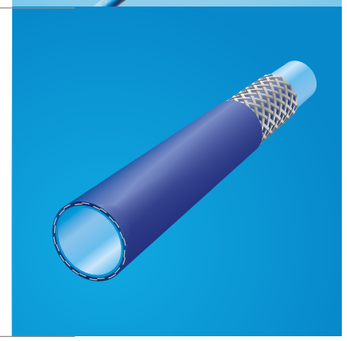
- Soft, flexible distal segment for atraumatic engagement
- Soft tip polymer construction to minimize vessel trauma

ZUMA™

- Supportive stiff guide for passive use
- Available sizes: 6F - 9F

UNIQUE FULL WALL TECHNOLOGY

- Encapsulated flat wire braid enables thinner, robust walls without compromising support or retention
- Designed for large lumens and enhanced flexibility without loss of support

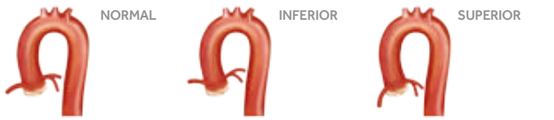


CORONARY
GUIDE CATHETER FAMILY

Curve Selection
Femoral approach

COMMON ANATOMIES

Three Types of Ostial Takeoffs (Can occur in right or left arteries)



Three Types of Aortic Roots

LEFT CURVES

Normal Left Takeoffs

NORMAL aortic root
Standard: JL 4.0
Specialty: EBU 3.75, EBU 4.0, JCL 4.0

NARROW aortic root
Standard: JL 3.5
Specialty: EBU 3.5, JCL 3.5

DILATED aortic root
Standard: JL 4.5
Specialty: EBU 4.5, JCL 4.5

Superior Left Takeoffs

NORMAL aortic root
Standard: JL 4.0
Specialty: EBU 3.5, Champ 3.0

NARROW aortic root
Standard: JL 3.5
Specialty: EBU 3.0, Champ 2.5

DILATED aortic root
Standard: JL 4.5
Specialty: EBU 4.5, Champ 3.5

Inferior Left Takeoffs

NORMAL aortic root
Standard: JL 4.0
Specialty: EBU 3.75, EBU 4.0

NARROW aortic root
Standard: J L 3.5
Specialty: EBU 3.5

DILATED aortic root
Standard: JL 4.5
Specialty: EBU 4.5

Normal Takeoffs and Short Left Mains

NORMAL aortic root
sl 4.0, SAL 2.0

NARROW aortic root
sl 3.5, SAL 1.0

DILATED aortic root
sl 4.5, SAL 2.5

RIGHT CURVES

Normal Right Takeoffs

NORMAL aortic root
Standard: JR 4.0, RMHS II
Specialty: Champ™ 1.5, RBU 4.0, JCR 4.0

NARROW aortic root
Standard: JR 3.5
Specialty: Champ 1.5, RBU 3.5, JCR 3.5

DILATED aortic root
Standard: JR 4.5
Specialty: Champ 2.0, JCR 4.5

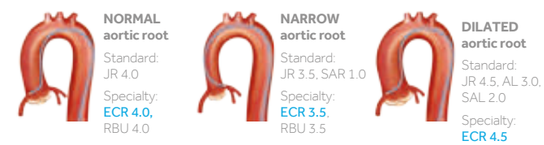
Superior Shepherd's Crook Right Takeoffs

NORMAL aortic root
Standard: SCR 3.5, HS II
Specialty: MAC 3.5 Champ 1.5

NARROW aortic root
Standard: SCR 4.0, HS I
Specialty: MAC 3.0 Champ 1.0

DILATED aortic root
Standard: SCR 5.0, HS III
Specialty: Champ 1.5

Inferior Right Takeoffs



NORMAL aortic root
Standard: JR 4.0
Specialty: ECR 4.0, RBU 4.0

NARROW aortic root
Standard: JR 3.5, SAR 1.0
Specialty: ECR 3.5, RBU 3.5

DILATED aortic root
Standard: JR 4.5, AL 3.0, SAL 2.0
Specialty: ECR 4.5

Normal Takeoffs and Proximal Lesions in the RCA

NORMAL aortic root
Standard: SAL 2.0, RMHS II
Specialty: NOTO

NARROW aortic root
Standard: SAL 1.0
Specialty: NOTO

DILATED aortic root
Standard: SAL 2.5,
Specialty: NOTO

BYPASS GRAFTS

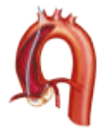
SVG TO LCX
Standard: LCB, MB 1
Specialty: Champ 2.0

SVG TO RCA
Standard: RCB, HS II
Specialty: Champ 1.5

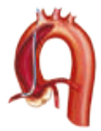
IMA TO LAD
Standard: IMA 90 cm
Specialty: Champ 0.5

CORONARY
GUIDE CATHETER FAMILY

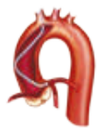
Curve Selection
Transradial approach



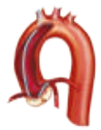
EBU EXTRA BACKUP
Patented curve design for left coronary arteries
Sizing:
JL35 = EBU35
JL40 = EBU35
JL50 = EBU40



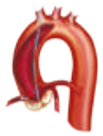
JR
Standard right coronary artery curve
Sizing:
Same as femoral approach



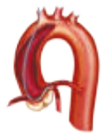
JL
Standard left coronary artery curve with open primary curve
Sizing:
Downsize the curve by 0.5 mm from what is used for femoral approach



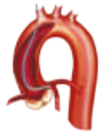
AL
Left coronary artery curve designed for maximum backup support with secondary curve seated firmly in aortic root
Sizing:
Same as femoral



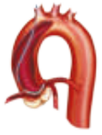
AR (AMPLATZ RIGHT)
Right coronary artery curve providing maximum backup support with secondary curve seated firmly in aortic root
Sizing:
Same as femoral



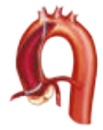
AL20
Designed for left coronary artery. Provides backup support with secondary curve seated firmly in aortic root
Sizing:
Same as femoral approach



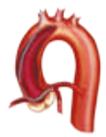
MULTIPURPOSE – MB1/MP2
Gentle curve design provides ease of engagement for lateral to inferiororiented arteries
Sizing:
One size fits all



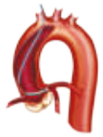
MRADIAL
Designed for left and right coronary artery engagement. Provides excellent support from contralateral wall and aortic root leverage
Sizing:
One size fits all



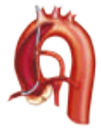
MAC
Multi-aortic curve for left or right coronary artery
Sizing:
Lateral takeoff and small root-MAC30. Superior takeoff and small root-MAC35/40. Superior takeoff and large root-MAC40. Lateral and large root-MAC35/40



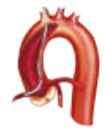
MAC3030
Universal guide for left and right coronary artery engagement
Sizing:
One size fits all



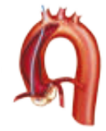
ERADL
Delivers excellent backup support and easy engagement
Sizing:
Easy Radial Left for standard size aorta. Easy Radial Left Long Tip for enlarged aorta. Easy Radial Left Short. Tip for narrowed aorta



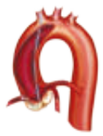
ERADR
Excellent backup support and easy engagement
Sizing:
Easy Radial Right for standard size aorta. Easy Radial Short Tip for narrowed aorta



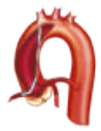
RRAD
Designed for both lateral and superior-oriented right coronary arteries. Modification of the MRADIAL curve. Provides good support from contralateral wall
Sizing:
One size fits all



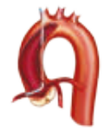
LARA
Provides excellent support from aortic root leverage and contralateral wall
Sizing:
One size fits all with Judkins-like engagement



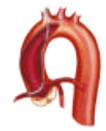
ALR12
Designed for right coronary artery. Provides maximum backup support with secondary curve seated firmly in aortic root
Sizing:
One size fits all



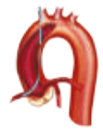
MRESS
Designed for right coronary artery. Provides excellent support from contralateral wall and aortic root leverage
Sizing:
One size fits all



HOCKEY STICK
Multipurpose curve is easy to engage for right coronary artery. Gentle primary curve and long distal tip for device delivery
Sizing:
Available in HSI for <3.5 cm aortic roots and HSII for 3.5–4.0 cm aortic roots RMHSII (Relaxed Modified HSII) has a relaxed primary curve



PAPA
Designed for left and right coronary arteries with contralateral wall support, and also available in PAPA 1, which has an angled tip
Sizing:
One size fits all



MULTIPURPOSE SHORT TIP
Standard curve for right coronary artery and may be helpful for inferior takeoffs
Engagement Recommendations:
Use a gentle clockwise rotation technique similar to the Judkins Right coronary approach and the MAC Pullback may be required to carefully engage the artery
Sizing:
Same as femoral approach

CURVE ABBREVIATION KEY

ERAD = Easy Radial
EBU = Extra Backup
HS = Hockey Stick
LCB = Left Coronary Bypass
MAC = Multi-aortic Curve
NOTO = No Torque Right
RBU = Right Backup
RCB = Right Coronary Bypass
RMHS = Relaxed Modified Hockey Stick
SAL = Short Amplatz Left
SL = Short Left

NOTE: Curves in BLUE text indicate type of curve used in illustration.

Note: SH available on all curves

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Left Coronary Curve

GENERAL CHARACTERISTICS

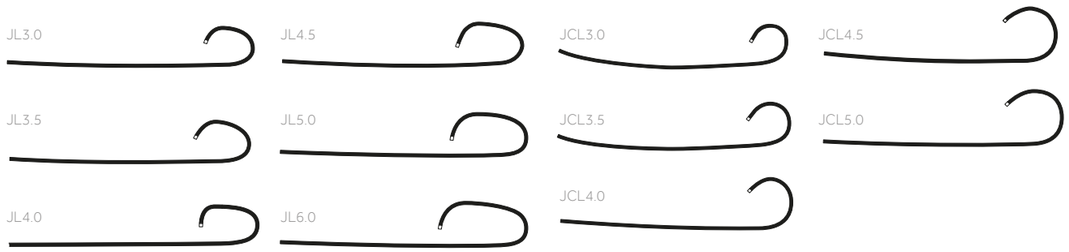
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



LEFT STANDARD

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
JL3.0	LA5JL30	LA6JL30	LA7JL30	LA8JL30
JL3.5	LA5JL35	LA6JL35	LA7JL35	LA8JL35
JL4.0	LA5JL40	LA6JL40	LA7JL40	LA8JL40
JL4.5	LA5JL45	LA6JL45	LA7JL45	LA8JL45
JL5.0	LA5JL50	LA6JL50	LA7JL50	LA8JL50
JL6.0	LA5JL60	LA6JL60	LA7JL60	LA8JL60
JCL3.0	LA5JCL30	LA6JCL30	LA7JCL30	LA8JCL30
JCL3.5	LA5JCL35	LA6JCL35	LA7JCL35	LA8JCL35
JCL4.0	LA5JCL40	LA6JCL40	LA7JCL40	LA8JCL40
JCL4.5	LA5JCL45	LA6JCL45	LA7JCL45	LA8JCL45
JCL5.0	LA5JCL50	LA6JCL50	LA7JCL50	LA8JCL50

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Short Left Coronary Curve

GENERAL CHARACTERISTICS

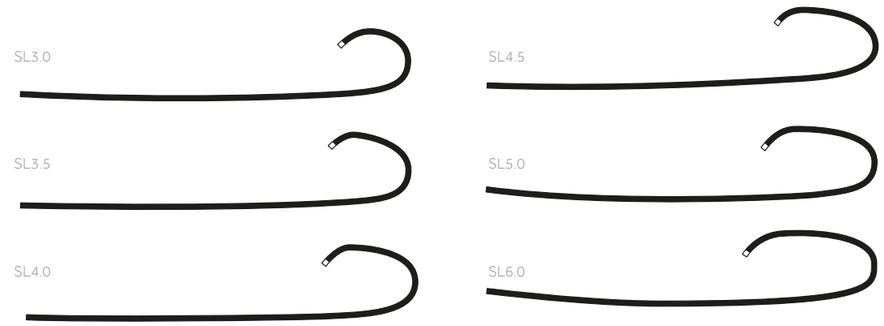
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



SHORT LEFT

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
SL3.0	LA5SL30	LA6SL30	LA7SL30	LA8SL30
SL3.5	LA5SL35	LA6SL35	LA7SL35	LA8SL35
SL4.0	LA5SL40	LA6SL40	LA7SL40	LA8SL40
SL4.5	LA5SL45	LA6SL45	LA7SL45	LA8SL45
SL5.0	LA5SL50	LA6SL50	LA7SL50	LA8SL50
SL6.0	LA5SL60	LA6SL60	LA7SL60	LA8SL60

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

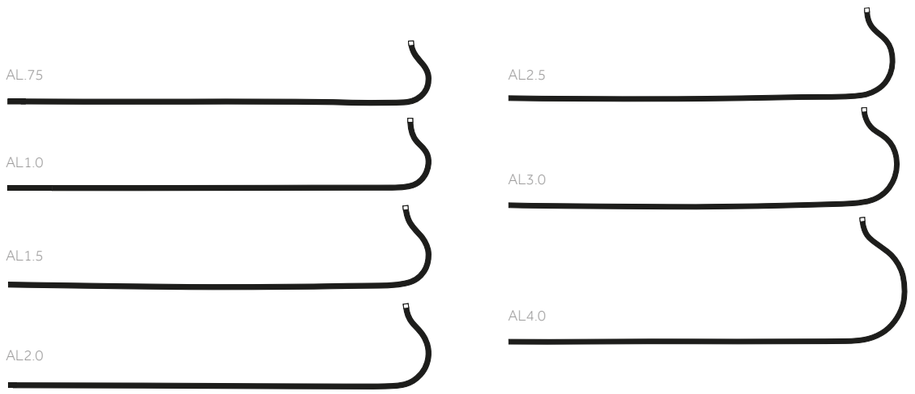
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



AMPLATZ LEFT

PRODUCT CODE	5F I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
AL75	LA5AL75	LA6AL75	LA7AL75	LA8AL75
AL1.0	LA5AL10	LA6AL10	LA7AL10	LA8AL10
AL1.5	LA5AL15	LA6AL15	LA7AL15	LA8AL15
AL2.0	LA5AL20	LA6AL20	LA7AL20	LA8AL20
AL2.5	LA5AL25	LA6AL25	LA7AL25	LA8AL25
AL3.0	LA5AL30	LA6AL30	LA7AL30	LA8AL30
AL4.0	LA5AL40	LA6AL40	LA7AL40	LA8AL40

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Short Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

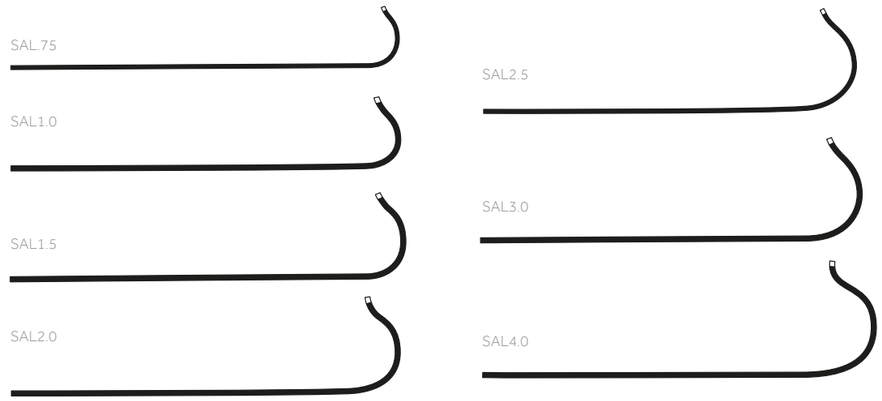
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



SHORT AMPLATZ LEFT

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
SAL75	LA5SAL75	LA6SAL75	LA7SAL75	LA8SAL75
SAL1.0	LA5SAL10	LA6SAL10	LA7SAL10	LA8SAL10
SAL1.5	LA5SAL15	LA6SAL15	LA7SAL15	LA8SAL15
SAL2.0	LA5SAL20	LA6SAL20	LA7SAL20	LA8SAL20
SAL2.5	LA5SAL25	LA6SAL25	LA7SAL25	LA8SAL25
SAL3.0	LA5SAL30	LA6SAL30	LA7SAL30	LA8SAL30
SAL4.0	LA5SAL40	LA6SAL40	LA7SAL40	LA8SAL40

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Left Coronary Backup Support

GENERAL CHARACTERISTICS

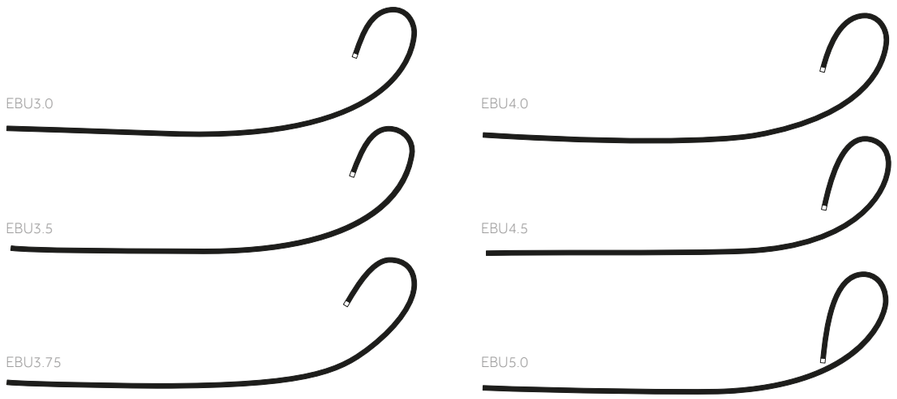
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



EBU (EXTRA BACKUP)

PRODUCT CODE	5F I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
EBU3.0	LA5EBU30	LA6EBU30	LA7EBU30	LA8EBU30
EBU3.5	LA5EBU35	LA6EBU35	LA7EBU35	LA8EBU35
EBU3.75	LA5EBU375	LA6EBU375	LA7EBU375	LA8EBU375
EBU4.0	LA5EBU40	LA6EBU40	LA7EBU40	LA8EBU40
EBU4.5	LA5EBU45	LA6EBU45	LA7EBU45	LA8EBU45
EBU5.0	LA5EBU50	LA6EBU50	LA7EBU50	LA8EBU50

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Right Coronary Curve

GENERAL CHARACTERISTICS

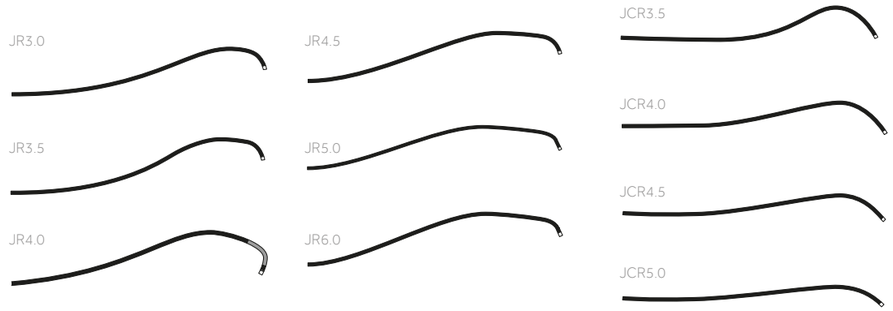
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



RIGHT STANDARD

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
JR3.0	LA5JR30	LA6JR30	LA7JR30	LA8JR30
JR3.5	LA5JR35	LA6JR35	LA7JR35	LA8JR35
JR4.0	LA5JR40	LA6JR40	LA7JR40	LA8JR40
JR4.5	LA5JR45	LA6JR45	LA7JR45	LA8JR45
JR5.0	LA5JR50	LA6JR50	LA7JR50	LA8JR50
JR6.0	LA5JR60	LA6JR60	LA7JR60	LA8JR60
JCR3.5	LA5JCR35	LA6JCR35	LA7JCR35	LA8JCR35
JCR4.0	LA5JCR40	LA6JCR40	LA7JCR40	LA8JCR40
JCR4.5	LA5JCR45	LA6JCR45	LA7JCR45	LA8JCR45
JCR5.0	LA5JCR50	LA6JCR50	LA7JCR50	LA8JCR50

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Short Right Coronary Curve

GENERAL CHARACTERISTICS

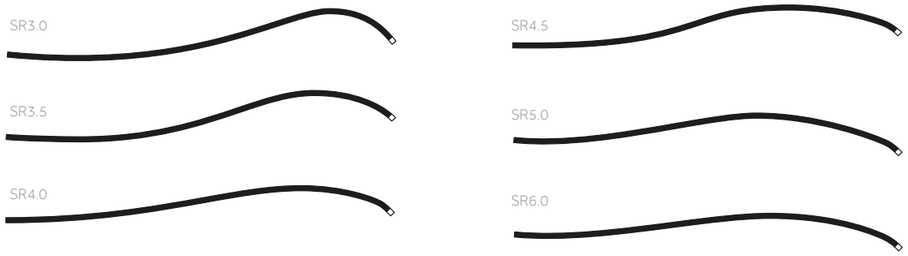
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



SHORT RIGHT

PRODUCT CODE	5F I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
SR3.0	LA5SR30	LA6SR30	LA7SR30	LA8SR30
SR3.5	LA5SR35	LA6SR35	LA7SR35	LA8SR35
SR4.0	LA5SR40	LA6SR40	LA7SR40	LA8SR40
SR4.5	LA5SR45	LA6SR45	LA7SR45	LA8SR45
SR5.0	LA5SR50	LA6SR50	LA7SR50	LA8SR50
SR6.0	LA5SR60	LA6SR60	LA7SR60	LA8SR60

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

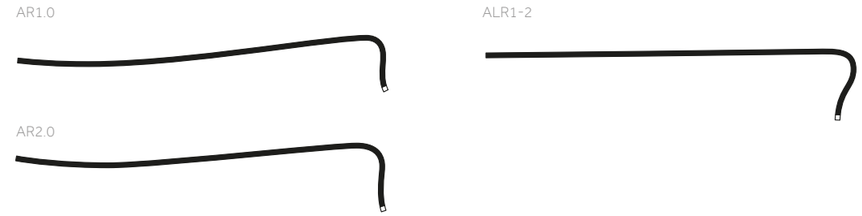
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



AMPLATZ RIGHT

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
AR1.0	LA5AR10	LA6AR10	LA7AR10	LA8AR10
AR2.0	LA5AR20	LA6AR20	LA7AR20	LA8AR20
ALR1-2	LA5ALR12	LA6ALR12	LA7ALR12	LA8ALR12

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Short Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves

SAR1.0

SAR2.0

SHORT AMPLATZ RIGHT

PRODUCT CODE	5F I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
SAR1.0	LA5SAR10	LA6SAR10	LA7SAR10	LA8SAR10
SAR2.0	LA5SAR20	LA6SAR20	LA7SAR20	LA8SAR20

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Shepherd's Crook Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves

SCR3.5

SCR4.0

SCR5.0

SHEPHERD'S CROOK RIGHT

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
SCR3.5	LA5SCR35	LA6SCR35	LA7SCR35	LA8SCR35
SCR4.0	LA5SCR40	LA6SCR40	LA7SCR40	LA8SCR40
SCR5.0	LA5SCR50	LA6SCR50	LA7SCR50	LA8SCR50

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Right Coronary Backup Support

GENERAL CHARACTERISTICS

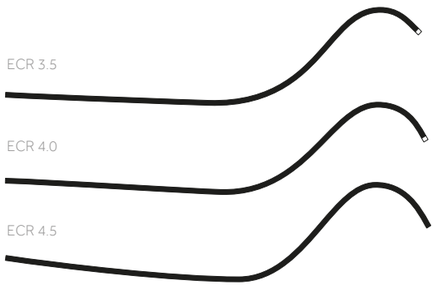
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



ECR CURVES

PRODUCT CODE	5F I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
ECR 3.5	LA5ECR35	LA6ECR35	LA7ECR35	LA8ECR35
ECR 4.0	LA5ECR40	LA6ECR40	LA7ECR40	LA8ECR40
ECR 4.5	LA5ECR45	LA6ECR45	LA7ECR45	LA8ECR45

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Right Coronary Backup Support

GENERAL CHARACTERISTICS

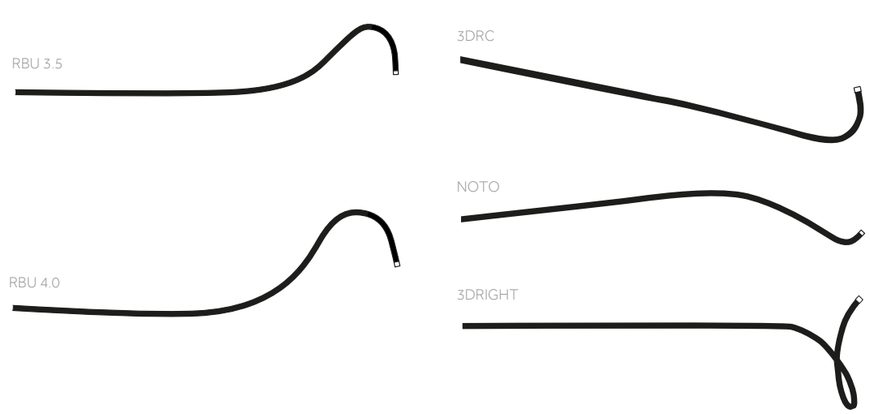
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



RBU CURVES

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
RBU 3.5	LA5RBU35	LA6RBU35	LA7RBU35	LA8RBU35
RBU 4.0	LA5RBU40	LA6RBU40	LA7RBU40	LA8RBU40
3DRC		LA63DRC	LA73DRC	LA83DRC
3DRIGHT	LA53DRIGHT	LA63DRIGHT	LA73DRIGHT	
NOTO	LA5NOTO	LA6NOTO	LA7NOTO	LA8NOTO

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Multipurpose Curves

GENERAL CHARACTERISTICS

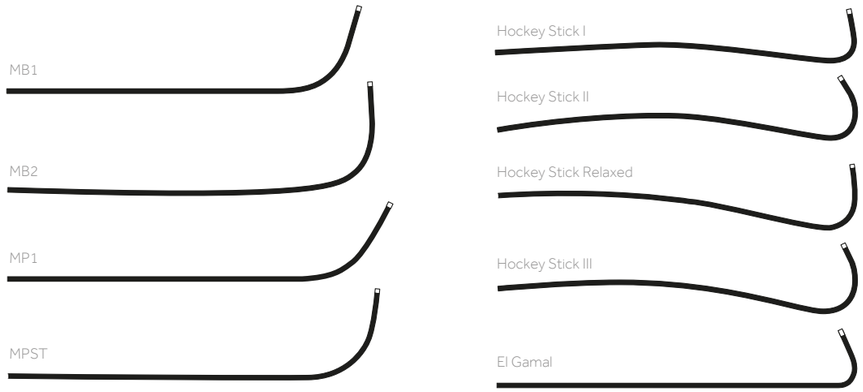
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



MULTIPURPOSE

PRODUCT CODE	5F I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
MB1	LA5MB1	LA6MB1	LA7MB1	LA8MB1
MB2	LA5MB2	LA6MB2	LA7MB2	LA8MB2
MP1	LA5MP1	LA6MP1	LA7MP1	LA8MP1
MP2		LA6MP2		
MB Short Tip	LA5MPST	LA6MPST	LA7MPST	LA8MPST
Hockey Stick I	LA5HSI	LA6HSI	LA7HSI	LA8HSI
Hockey Stick II	LA5HSII	LA6HSII	LA7HSII	LA8HSII
HS II Relaxed	LA5HSREL	LA6RMHSII	LA7RMHSII	LA8RMHSII
Hockey Stick III	LA5HSIII	LA6HSIII	LA7HSIII	LA8HSIII
El Gamal	LA5ELGAMAL	LA6ELGAMAL	LA7ELGAMAL	LA8ELGAMAL

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Other Curves

GENERAL CHARACTERISTICS

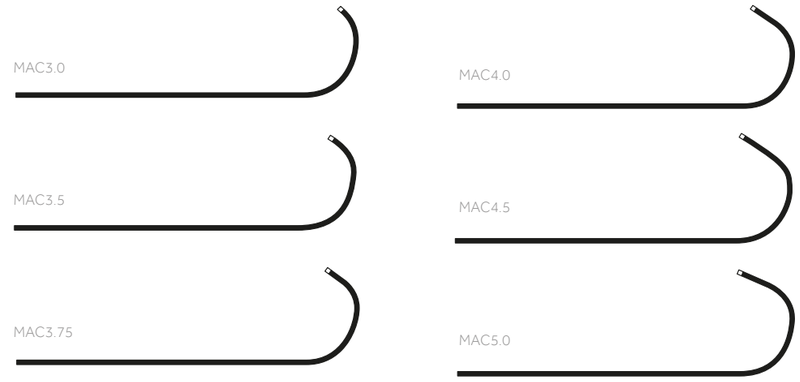
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



MAC (MULTI-AORTIC CURVES)

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
MAC3.0	LA5MAC30	LA6MAC30	LA7MAC30	LA8MAC30
MAC3.5	LA5MAC35	LA6MAC35	LA7MAC35	LA8MAC35
MAC3.75	LA5MAC375	LA6MAC375	LA7MAC375	LA8MAC375
MAC4.0	LA5MAC40	LA6MAC40	LA7MAC40	LA8MAC40
MAC4.5	LA5MAC45	LA6MAC45	LA7MAC45	LA8MAC45
MAC5.0	LA5MAC50	LA6MAC50	LA7MAC50	LA8MAC50

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Bypass Curves

GENERAL CHARACTERISTICS

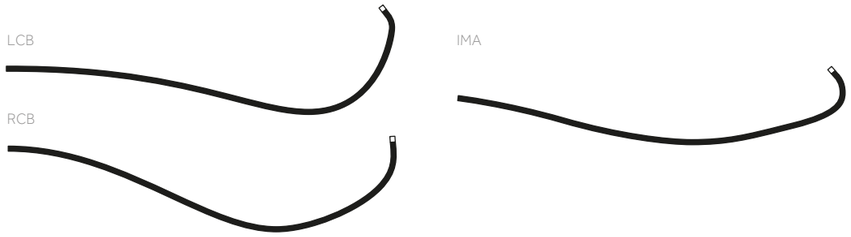
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



BYPASS GRAFTS

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
LCB	LA5LCB	LA6LCB	LA7LCB	LA8LCB
LCB Relaxed	-	LA6RELAXLCB	-	-
RCB	LA5RCB	LA6RCB	LA7RCB	LA8RCB
RCB (90 cm)	LA5RCBD	LA6RCBD	LA7RCBD	LA8RCBD
IMA	LA5IMA	LA6IMA	LA7IMA	LA8IMA
IMA (90 cm)	LA5IMAD	LA6IMAD	LA7IMAD	LA8IMAD

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Other Curves

GENERAL CHARACTERISTICS

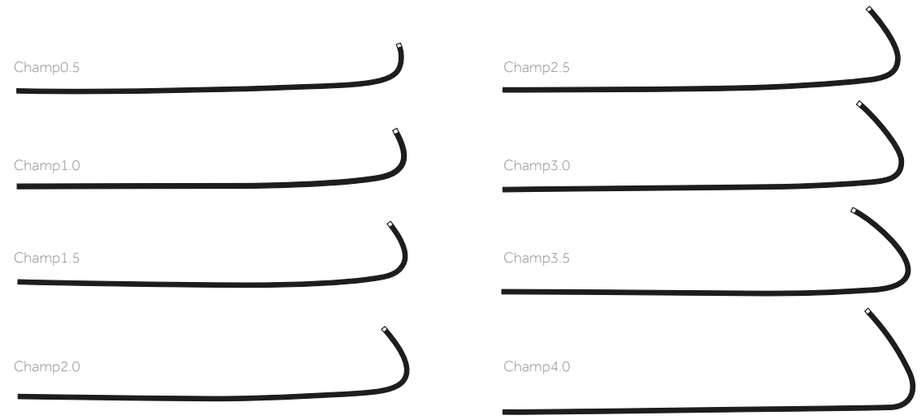
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



CHAMP

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
CHAMP 0.5	LA5CHAMP05	LA6CHAMP05	LA7CHAMP05	LA8CHAMP05
CHAMP 10	LA5CHAMP10	LA6CHAMP10	LA7CHAMP10	LA8CHAMP10
CHAMP 15	LA5CHAMP15	LA6CHAMP15	LA7CHAMP15	LA8CHAMP15
CHAMP 20	LA5CHAMP20	LA6CHAMP20	LA7CHAMP20	LA8CHAMP20
CHAMP 25	LA5CHAMP25	LA6CHAMP25	LA7CHAMP25	LA8CHAMP25
CHAMP 30	LA5CHAMP30	LA6CHAMP30	LA7CHAMP30	LA8CHAMP30
CHAMP 35	LA5CHAMP35	LA6CHAMP35	LA7CHAMP35	LA8CHAMP35
CHAMP 40	LA5CHAMP40	LA6CHAMP40	LA7CHAMP40	LA8CHAMP40

CORONARY
GUIDE CATHETERS

Launcher™ Guide Catheter
Radial Curves

GENERAL CHARACTERISTICS

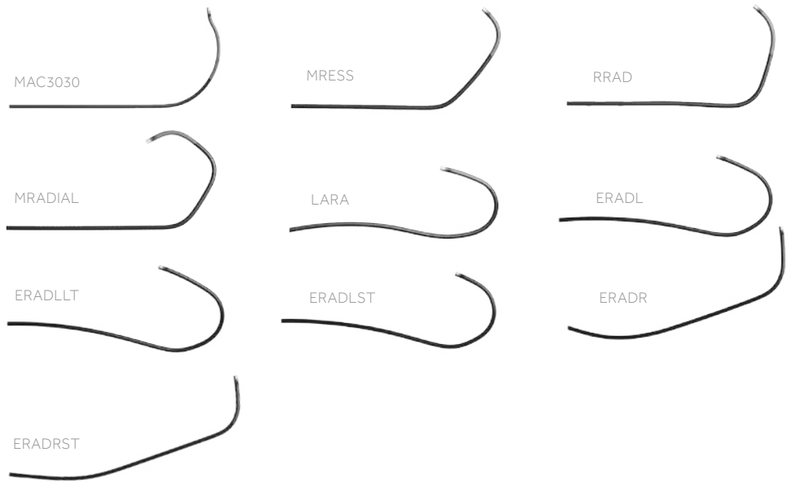
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID alloes for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Custom lengths and custom curve program available
- Over 230 specialty curves available
- SH available on all curves



ADDITIONAL RADIAL CURVES

PRODUCT CODE	5F (I.D. 0.058 IN.)	6F (I.D. 0.071 IN.)	7F (I.D. 0.081 IN.)	8F (I.D. 0.090 IN.)
MRADIAL	LA5MRADIAL	LA6MRADIAL	-	-
MRESS	LA5MRESS	LA6MRESS	-	-
RIGHT RADIAL	LA5RRAD	LA6RRAD	-	-
ERADL	LA5ERADL	LA6ERADL	-	-
ERADLLT	LA5ERADLLT	LA6ERADLLT	-	-
ERADLST	LA5ERADLST	LA6ERADLST	-	-
ERADR	LA5ERADR	LA6ERADR	-	-
ERADRST	LA5ERADRST	LA6ERADRST	-	-
LARA	LA5LARA	LA6LARA	-	-
MAC3030	LA5MAC3030	LA6MAC3030	-	-

CORONARY
GUIDE CATHETERS

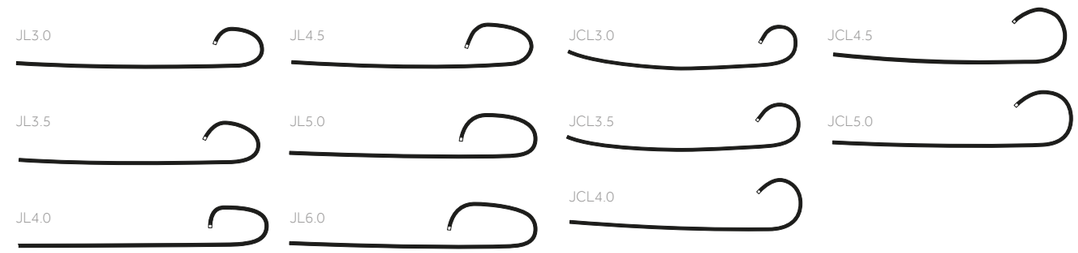
Sherpa NX™ Active
Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



LEFT STANDARD

	5F ACTIVE CODE	6F ACTIVE CODE
JL3.0	SA5JL30	SA6JL30
JL3.5	SA5JL35	SA6JL35
JL4.0	SA5JL40	SA6JL40
JL4.5	SA5JL45	SA6JL45
JL5.0	SA5JL50	SA6JL50
JL6.0	SA5JL60	SA6JL60
JCL3.0	SA5JCL30	SA6JCL30
JCL3.5	SA5JCL35	SA6JCL35
JCL4.0	SA5JCL40	SA6JCL40
JCL4.5	SA5JCL45	SA6JCL45
JCL5.0	SA5JCL50	SA6JCL50

CORONARY
GUIDE CATHETERS

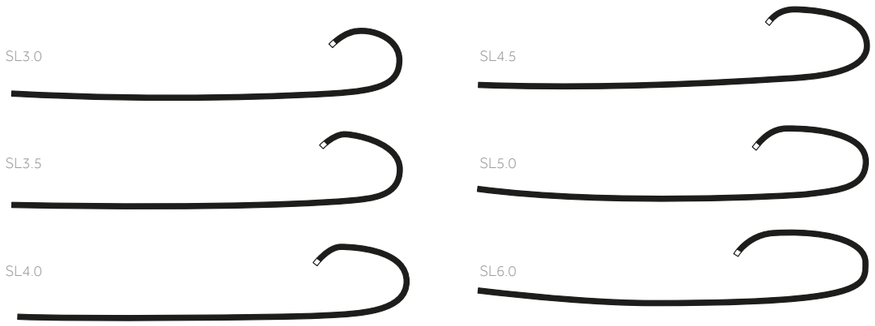
Sherpa NX™ Active
Short Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHORT LEFT

	5F ACTIVE CODE	6F ACTIVE CODE
SL3.0	SA5SL30	SA6SL30
SL3.5	SA5SL35	SA6SL35
SL4.0	SA5SL40	SA6SL40
SL4.5	SA5SL45	SA6SL45
SL5.0	SA5SL50	SA6SL50
SL6.0	SA5SL60	SA6SL60

CORONARY
GUIDE CATHETERS

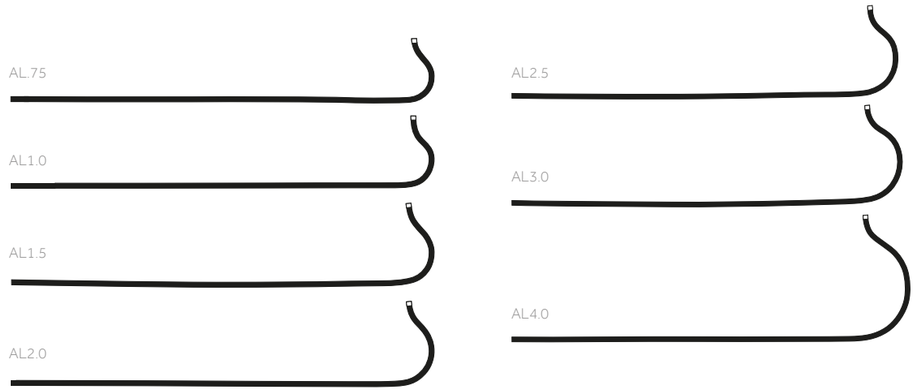
Sherpa NX™ Active
Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



AMPLATZ LEFT

	5F ACTIVE CODE	6F ACTIVE CODE
AL75	SA5AL75	SA6AL75
AL1.0	SA5AL10	SA6AL10
AL1.5	SA5AL15	SA6AL15
AL2.0	SA5AL20	SA6AL20
AL2.5	SA5AL25	SA6AL25
AL3.0	SA5AL30	SA6AL30
AL4.0	SA5AL40	SA6AL40

CORONARY
GUIDE CATHETERS

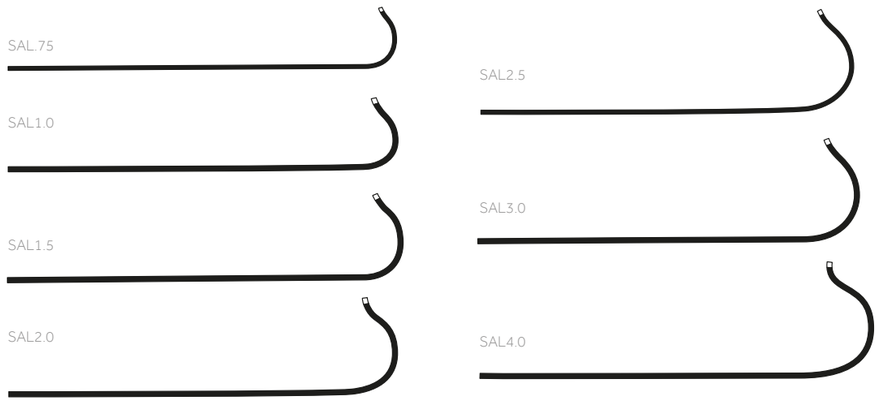
Sherpa NX™ Active
Short Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHORT AMPLATZ LEFT

	5F ACTIVE CODE	6F ACTIVE CODE
SAL75	SA5SAL75	SA6SAL75
SAL1.0	SA5SAL10	SA6SAL10
SAL1.5	SA5SAL15	SA6SAL15
SAL2.0	SA5SAL20	SA6SAL20
SAL2.5	SA5SAL25	SA6SAL25
SAL3.0	SA5SAL30	SA6SAL30
SAL4.0	SA5SAL40	SA6SAL40

CORONARY
GUIDE CATHETERS

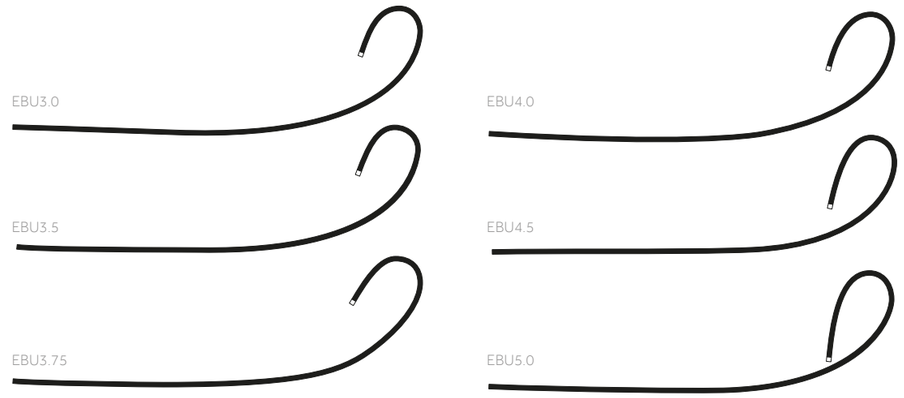
Sherpa NX™ Active
Left Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



EBU (EXTRA BACKUP)

	5F ACTIVE CODE	6F ACTIVE CODE
EBU3.0	SA5EBU30	SA6EBU30
EBU3.5	SA5EBU35	SA6EBU35
EBU3.75	SA5EBU375	SA6EBU375
EBU4.0	SA5EBU40	SA6EBU40
EBU4.5	SA5EBU45	SA6EBU45
EBU5.0	SA5EBU50	SA6EBU50

CORONARY
GUIDE CATHETERS

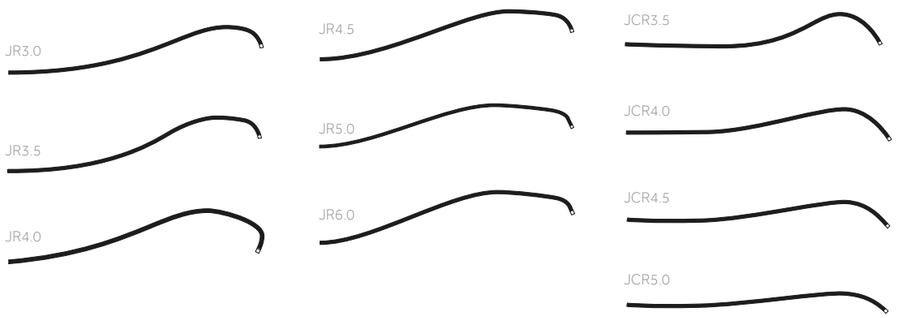
Sherpa NX™ Active
Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



RIGHT STANDARD

	5F ACTIVE CODE	6F ACTIVE CODE
JR3.0	SA5JR30	SA6JR30
JR3.5	SA5JR35	SA6JR35
JR4.0	SA5JR40	SA6JR40
JR4.5	SA5JR45	SA6JR45
JR5.0	SA5JR50	SA6JR50
JR6.0	SA5JR60	SA6JR60
JCR3.5	SA5JCR35	SA6JCR35
JCR4.0	SA5JCR40	SA6JCR40
JCR4.5	SA5JCR45	SA6JCR45
JCR5.0	SA5JCR50	SA6JCR50

CORONARY
GUIDE CATHETERS

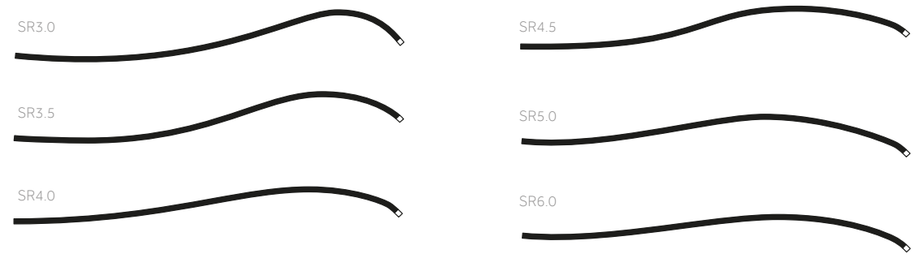
Sherpa NX™ Active
Short Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHORT RIGHT

	5F ACTIVE CODE	6F ACTIVE CODE
SR3.0	SA5SR30	SA6SR30
SR3.5	SA5SR35	SA6SR35
SR4.0	SA5SR40	SA6SR40
SR4.5	SA5SR45	SA6SR45
SR5.0	SA5SR50	SA6SR50
SR6.0	SA5SR60	SA6SR60

CORONARY
GUIDE CATHETERS

Sherpa NX™ Active
Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage

AR1.0

ALR1-2

AR2.0

AMPLATZ RIGHT

	5F ACTIVE CODE	6F ACTIVE CODE
AR1.0	SA5AR10	SA6AR10
AR2.0	SA5AR20	SA6AR20
ALR1-2	SA5ALR12	SA6ALR12

CORONARY
GUIDE CATHETERS

Sherpa NX™ Active
Short Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage

SAR1.0

SAR2.0

SHORT AMPLATZ RIGHT

	5F ACTIVE CODE	6F ACTIVE CODE
SAR1.0	SA5SAR10	SA6SAR10
SAR2.0	SA5SAR20	SA6SAR20

CORONARY
GUIDE CATHETERS

Sherpa NX™ Active
Shepherd's Crook Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage

SHEPHERD'S CROOK RIGHT

	5F ACTIVE CODE	6F ACTIVE CODE
SCR3.5	SA5SCR35	SA6SCR35
SCR4.0	SA5SCR40	SA6SCR40
SCR5.0	SA5SCR50	SA6SCR50

CORONARY
GUIDE CATHETERS

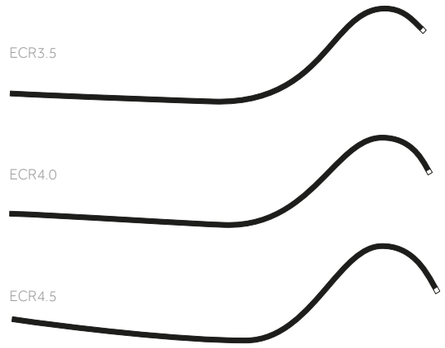
Sherpa NX™ Active
Right Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



ECR CURVES

	5F ACTIVE CODE	6F ACTIVE CODE
ECR 3.5	SA5ECR35	SA6ECR35
ECR 4.0	SA5ECR40	SA6ECR40
ECR 4.5	SA5ECR45	SA6ECR45

CORONARY
GUIDE CATHETERS

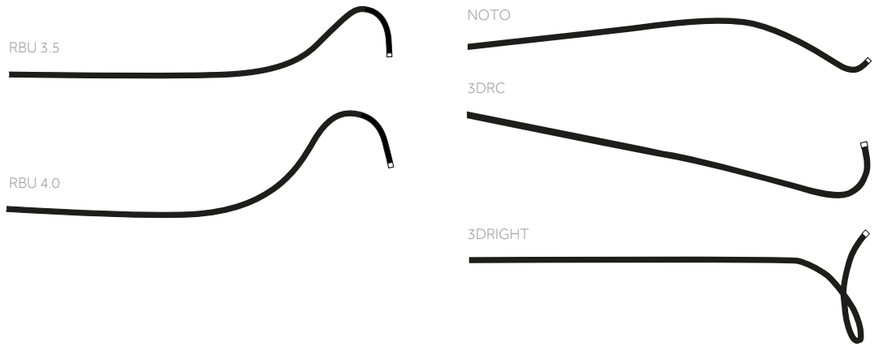
Sherpa NX™ Active
Right Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



BACKUP SUPPORT CURVES

	5F ACTIVE CODE	6F ACTIVE CODE
RBU 3.5	SA5RBU35	SA6RBU35
RBU 4.0	SA5RBU40	SA6RBU40
3DRC		SA63DRC
3DRIGHT	SA53DRIGHT	SA63DRIGHT
NOTO	LA5NOTO	LA6NOTO

CORONARY
GUIDE CATHETERS

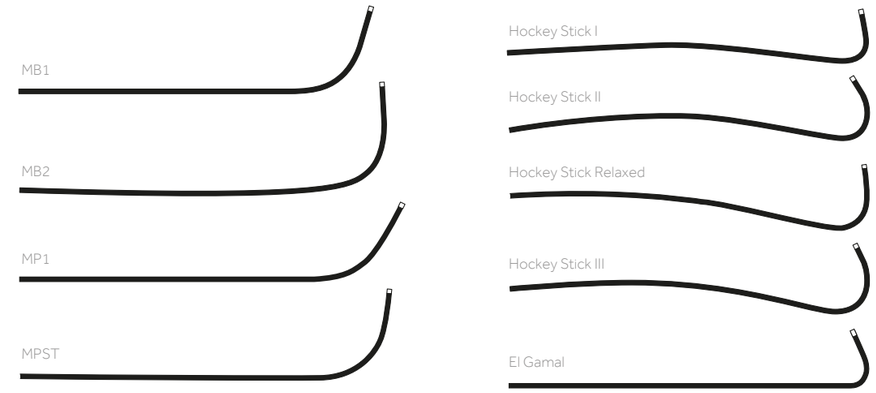
Sherpa NX™ Active
Multipurpose Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement Advanced HDPE liner for smooth, low friction device passage



MULTIPURPOSE

	5F ACTIVE CODE	6F ACTIVE CODE
MB1	SA5MB1	SA6MB1
MB2	SA5MB2	SA6MB2
MB Short Tip	SA5MPST	SA6MPST
MP1	SA5MP1	SA6MP1
MP2	SA5MP2	SA6MP2
Hockey Stick I	SA5HSI	SA6HSI
Hockey Stick II	SA5HSII	SA6HSII
HS II Relaxed	SA5RMHSII	SA6RMHSII
Hockey Stick III	SA5HSIII	SA6HSIII
El Gamal	SA5ELGAMAL	SA6ELGAMAL

CORONARY
GUIDE CATHETERS

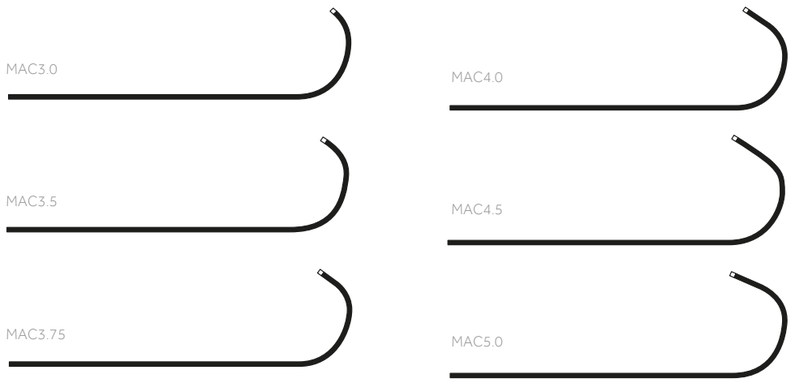
Sherpa NX™ Active
Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



MAC (MULTI-AORTIC CURVES)

	5F ACTIVE CODE	6F ACTIVE CODE
MAC3.0	SA5MAC30	SA6MAC30
MAC3.5	SA5MAC35	SA6MAC35
MAC3.75	SA5MAC375	SA6MAC375
MAC4.0	SA5MAC40	SA6MAC40
MAC4.5	SA5MAC45	SA6MAC45
MAC5.0	SA5MAC50	SA6MAC50

CORONARY
GUIDE CATHETERS

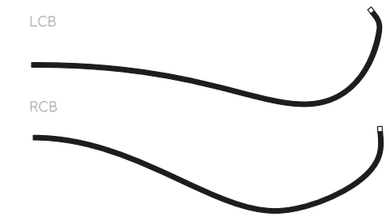
Sherpa NX™ Active
Bypass Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



BYPASS CURVES

	5F ACTIVE CODE	6F ACTIVE CODE
LCB	SA5LCB	SA6LCB
LCB (90 cm)	SA5LCBD	SA6LCBD
RCB	SA5RCB	SA6RCB
RCB (90 cm)	SA5RCBD	SA6RCBD
IMA	SA5IMA	SA6IMA
IMA (90 cm)	SA5IMAD	SA6IMAD

CORONARY
GUIDE CATHETERS

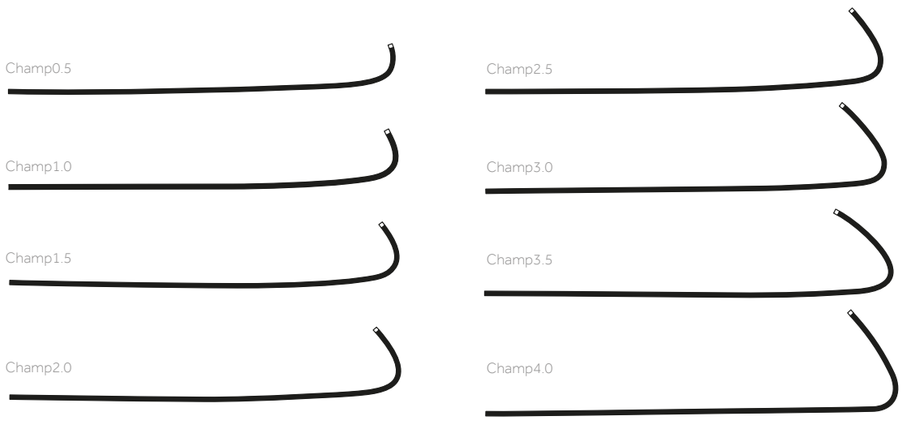
Sherpa NX™ Active
Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



CHAMP

	5F ACTIVE CODE	6F ACTIVE CODE
CHAMP 0.5	SA5CHAMP05	SA6CHAMP05
CHAMP 10	SA5CHAMP10	SA6CHAMP10
CHAMP 15	SA5CHAMP15	SA6CHAMP15
CHAMP 20	SA5CHAMP20	SA6CHAMP20
CHAMP 25	SA5CHAMP25	SA6CHAMP25
CHAMP 30	SA5CHAMP30	SA6CHAMP30
CHAMP 35	SA5CHAMP35	SA6CHAMP35
CHAMP 40	SA5CHAMP40	SA6CHAMP40

CORONARY
GUIDE CATHETERS

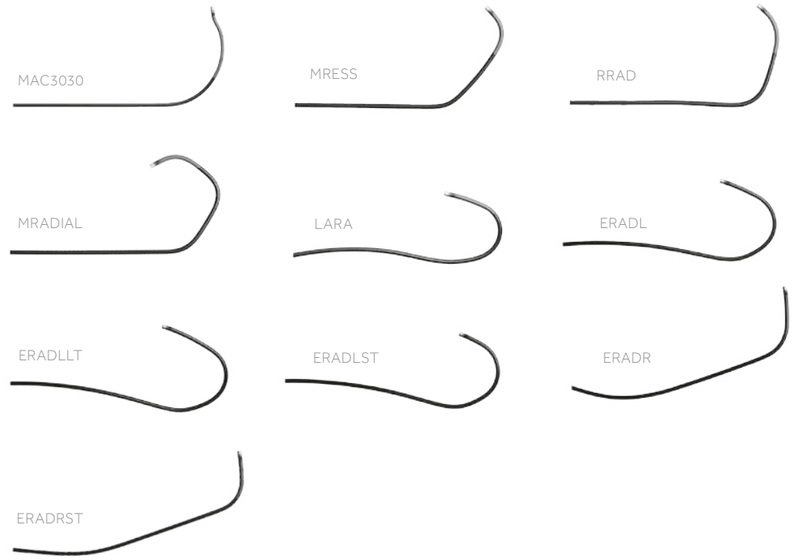
Sherpa NX™ Active
Radial Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 5F = Grey, 6F = Green
- Lumen inner diameter: 5F = 0.058", 6F 0.070"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



RADIAL CURVES

	5F ACTIVE CODE	6F ACTIVE CODE
MRADIAL	SA5MRADIAL	SA6MRADIAL
MRESS	SA5MRESS	SA6MRESS
RIGHT RADIAL	SA5RRAD	SA6RRAD
ERADL	SA5ERADL	SA6ERADL
ERADLLT	SA5ERADLLT	SA6ERADLLT
ERADLST	SA5ERADLST	SA6ERADLST
ERADR	SA5ERADR	SA6ERADR
ERADRST	SA5ERADRST	SA6ERADRST
MAC3030	SA5MAC30303	SA6MAC30303

CORONARY
GUIDE CATHETERS

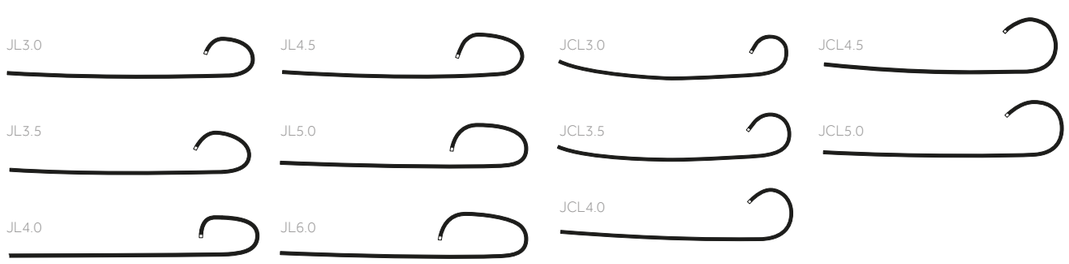
Sherpa NX™ Balanced
Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



LEFT STANDARD

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
JL3.0	SB6JL30	SB7JL30	SB8JL30
JL3.5	SB6JL35	SB7JL35	SB8JL35
JL4.0	SB6JL40	SB7JL40	SB8JL40
JL4.5	SB6JL45	SB7JL45	SB8JL45
JL5.0	SB6JL50	SB7JL50	SB8JL50
JL6.0	SB6JL60	SB7JL70	SB8JL70
JCL3.0	SB6JCL30	SB7JCL30	SB8JCL30
JCL3.5	SB6JCL35	SB7JCL35	SB8JCL35
JCL4.0	SB6JCL40	SB7JCL40	SB8JCL40
JCL4.5	SB6JCL45	SB7JCL45	SB8JCL45
JCL5.0	SB6JCL50	SB7JCL50	SB8JCL50

CORONARY
GUIDE CATHETERS

Sherpa NX™ Balanced
Short Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage

SHORT LEFT

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
SL3.0	SB6SL30	SB7SL30	SB8SL30
SL3.5	SB6SL35	SB7SL35	SB8SL35
SL4.0	SB6SL40	SB7SL40	SB8SL40
SL4.5	SB6SL45	SB7SL45	SB8SL45
SL5.0	SB6SL50	SB7SL50	SB8SL50
SL6.0	SB6SL60	SB7SL70	SB8SL70

CORONARY
GUIDE CATHETERS

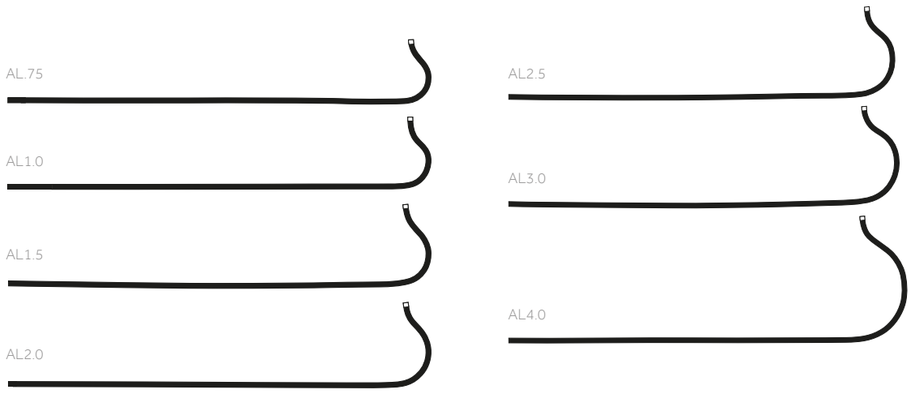
Sherpa NX™ Balanced
Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



AMPLATZ LEFT

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
AL75	SB6AL75	SB7AL75	SB8AL75
AL1.0	SB6AL10	SB7AL10	SB8AL10
AL1.5	SB6AL15	SB7AL15	SB8AL15
AL2.0	SB6AL20	SB7AL20	SB8AL20
AL2.5	SB6AL25	SB7AL25	SB8AL25
AL3.0	SB6AL30	SB7AL30	SB8AL30
AL4.0	SB6AL40	SB7AL40	SB8AL40

CORONARY
GUIDE CATHETERS

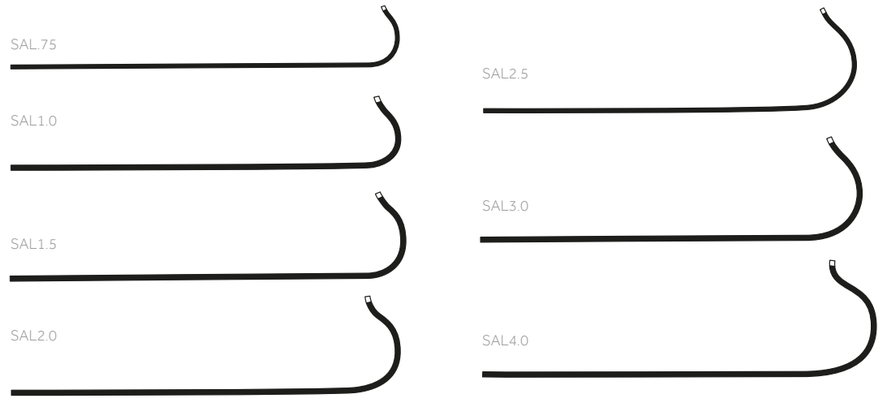
Sherpa NX™ Balanced
Short Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHORT AMPLATZ LEFT

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
SAL75	SB6SAL75	SB7SAL75	SB8SAL75
SAL1.0	SB6SAL10	SB7SAL10	SB8SAL10
SAL1.5	SB6SAL15	SB7SAL15	SB8SAL15
SAL2.0	SB6SAL20	SB7SAL20	SB8SAL20
SAL2.5	SB6SAL25	SB7SAL25	SB8SAL25
SAL3.0	SB6SAL30	SB7SAL30	SB8SAL30
SAL4.0	SB6SAL40	SB7SAL40	SB8SAL40

CORONARY
GUIDE CATHETERS

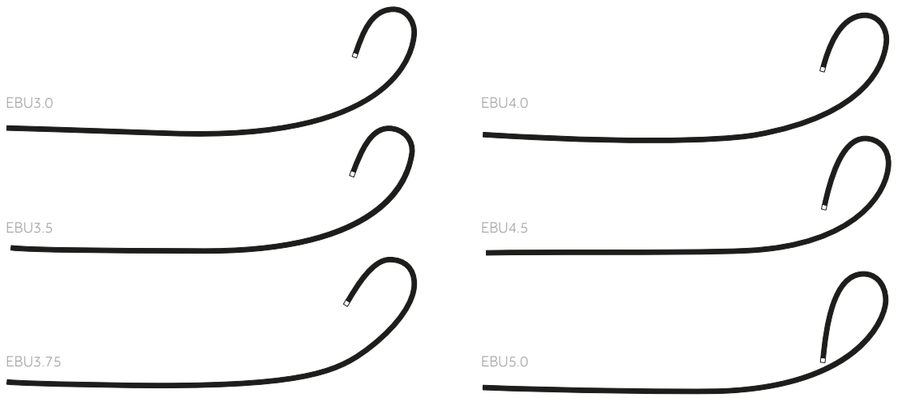
Sherpa NX™ Balanced
Left Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



EBU (EXTRA BACKUP)

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
EBU3.0	SB6EBU30	SB7EBU30	SB8EBU30
EBU3.5	SB6EBU35	SB7EBU35	SB8EBU35
EBU3.75	SB6EBU375	SB7EBU375	SB8EBU375
EBU4.0	SB6EBU40	SB7EBU40	SB8EBU40
EBU4.5	SB6EBU45	SB7EBU45	SB8EBU45
EBU5.0	SB6EBU50	SB7EBU50	SB8EBU50

CORONARY
GUIDE CATHETERS

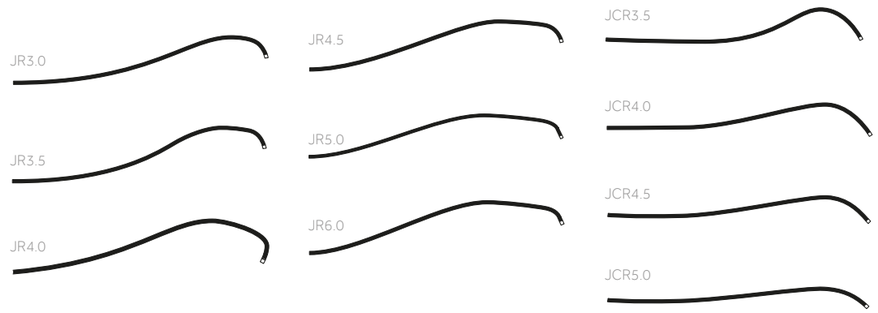
Sherpa NX™ Balanced
Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



RIGHT STANDARD

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
JR3.0	SB6JR30	SB7JR30	SB8JR30
JR3.5	SB6JR35	SB7JR35	SB8JR35
JR4.0	SB6JR40	SB7JR40	SB8JR40
JR4.5	SB6JR45	SB7JR45	SB8JR45
JR5.0	SB6JR50	SB7JR50	SB8JR50
JR6.0	SB6JR60	SB7JR70	SB8JR70
JCR3.5	SB6JCR35	SB7JCR35	SB8JCR35
JCR4.0	SB6JCR40	SB7JCR40	SB8JCR40
JCR4.5	SB6JCR45	SB7JCR45	SB8JCR45
JCR5.0	SB6JCR50	SB7JCR50	SB8JCR50

CORONARY
GUIDE CATHETERS

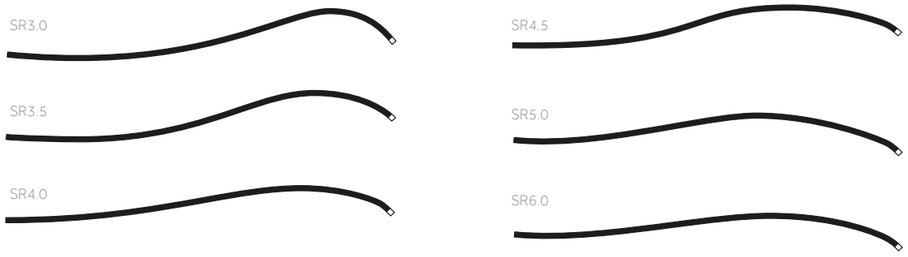
Sherpa NX™ Balanced
Short Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHORT RIGHT

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
SR3.0	SB6SR30	SB7SR30	SB8SR30
SR3.5	SB6SR35	SB7SR35	SB8SR35
SR4.0	SB6SR40	SB7SR40	SB8SR40
SR4.5	SB6SR45	SB7SR45	SB8SR45
SR5.0	SB6SR50	SB7SR50	SB8SR50
SR6.0	SB6SR60	SB7SR70	SB8SR70

CORONARY
GUIDE CATHETERS

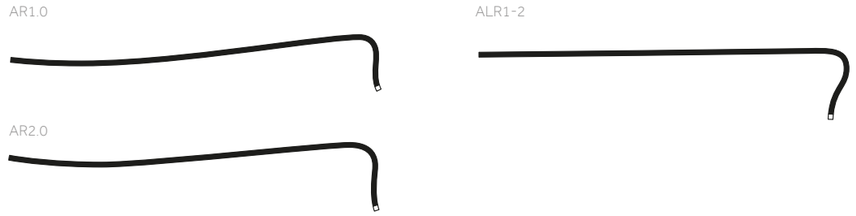
Sherpa NX™ Balanced
Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



AMPLATZ RIGHT

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
AR1.0	SB6AR10	SB7AR10	SB8AR10
AR2.0	SB6AR20	SB7AR20	SB8AR20
ALR1-2	SB6ALR12	SB7ALR12	SB8ALR12

CORONARY
GUIDE CATHETERS

Sherpa NX™ Balanced
Short Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage

SHORT AMPLATZ RIGHT

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
SAR1.0	SB6SAR10	SB7SAR10	SB8SAR10
SAR2.0	SB6SAR20	SB7SAR20	SB8SAR20

CORONARY
GUIDE CATHETERS

Sherpa NX™ Balanced
Shepherd's Crook Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage

SHEPHERD'S CROOK RIGHT

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
SCR3.5	SB6SCR35	SB7SCR35	SB8SCR35
SCR4.0	SB6SCR40	SB7SCR40	SB8SCR40
SCR5.0	SB6SCR50	SB7SCR50	SB8SCR50

CORONARY
GUIDE CATHETERS

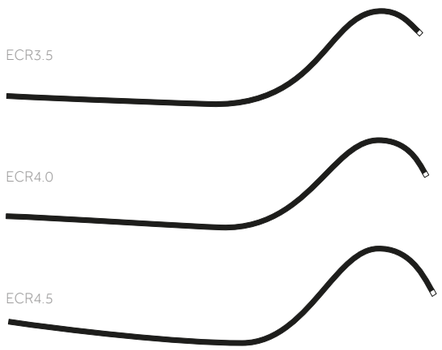
Sherpa NX™ Balanced
Right Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



ECR CURVES

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
ECR 3.5	SB6ECR35	SB7ECR35	SB8ECR35
ECR 4.0	SB6ECR40	SB7ECR40	SB8ECR40
ECR 4.5	SB6ECR45	SB7ECR45	SB8ECR45

CORONARY
GUIDE CATHETERS

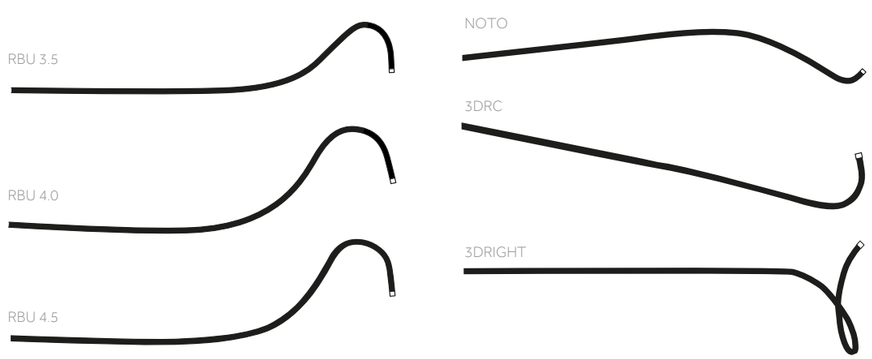
Sherpa NX™ Balanced
Right Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



BACKUP SUPPORT CURVES

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
RBU 3.5	SB6RBU35	SB7RBU35	SB8RBU35
RBU 4.0	SB6RBU40	SB7RBU40	SB8RBU40
RBU 4.5	SB6RBU45	SB7RBU45	SB8RBU45
3DRC	SB63DRC	SB73DRC	SB83DRC
3DRIGHT	SB63DRIGHT	SB73DRIGHT	SB83DRIGHT
NO TORQUE Right	SB6NOTO	SB7NOTO	

CORONARY
GUIDE CATHETERS

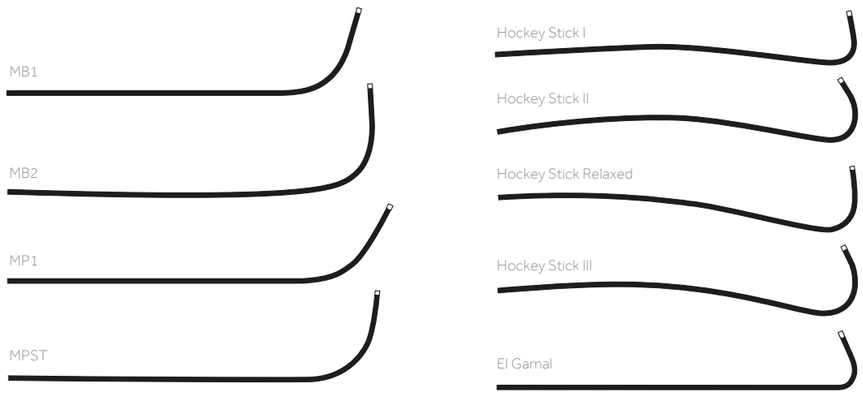
Sherpa NX™ Balanced
Multipurpose Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



MULTIPURPOSE

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
MB1	SB6MB1	SB7MB1	SB8MB1
MB2	SB6MB2	SB7MB2	SB8MB2
MB Short Tip	SB6MPST	SB7MPST	SB8MPST
MP1	SB6MP1	SB7MP1	SB8MP1
MP2	SB6MP2	SB7MP2	SB8MP2
Hockey Stick I	SB6HSI	SB7HSI	SB8HSI
Hockey Stick II	SB6HSII	SB7HSII	SB8HSII
HS II Relaxed	SB6RMHSII	SB7RMHSII	SB8RMHSII
Hockey Stick III	SB6HSIII	SB7HSIII	SB8HSIII
El Gamal	SB6ELGAMAL	SB7ELGAMAL	SB8ELGAMAL

CORONARY
GUIDE CATHETERS

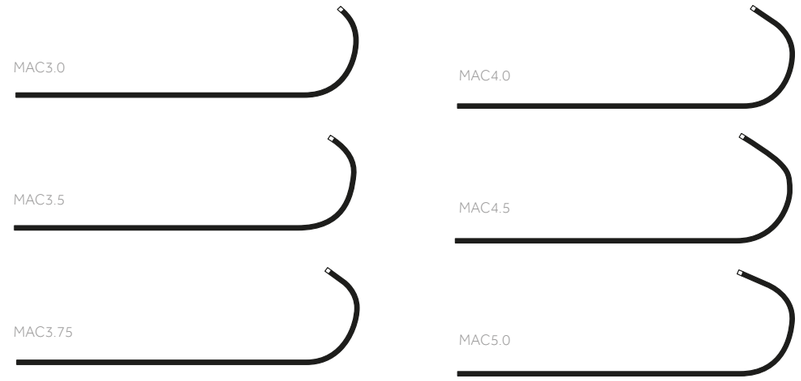
Sherpa NX™ Balanced
Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



MAC (MULTI-AORTIC CURVES)

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
MAC3.0	SB6MAC30	SB7MAC30	SB8MAC30
MAC3.5	SB6MAC35	SB7MAC35	SB8MAC35
MAC3.75	SB6MAC375	SB7MAC375	SB8MAC375
MAC4.0	SB6MAC40	SB7MAC40	SB8MAC40
MAC4.5	SB6MAC45	SB7MAC45	SB8MAC45
MAC5.0	SB6MAC50	SB7MAC50	SB8MAC50

CORONARY
GUIDE CATHETERS

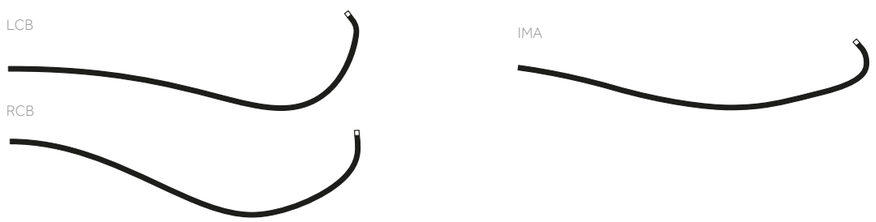
Sherpa NX™ Balanced
Bypass Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



BYPASS CURVES

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
LCB	SB6LCB	SB7LCB	SB8LCB
LCB (90 cm)	SB6LCBD	SB7LCBD	SB8LCBD
RCB	SB6RCB	SB7RCB	SB8RCB
RCB (90 cm)	SB6RCBD	SB7RCBD	SB8RCBD
IMA	SB6IMA	SB7IMA	SB8IMA
IMA (90 cm)	SB6IMAD	SB7IMAD	SB8IMAD

CORONARY
GUIDE CATHETERS

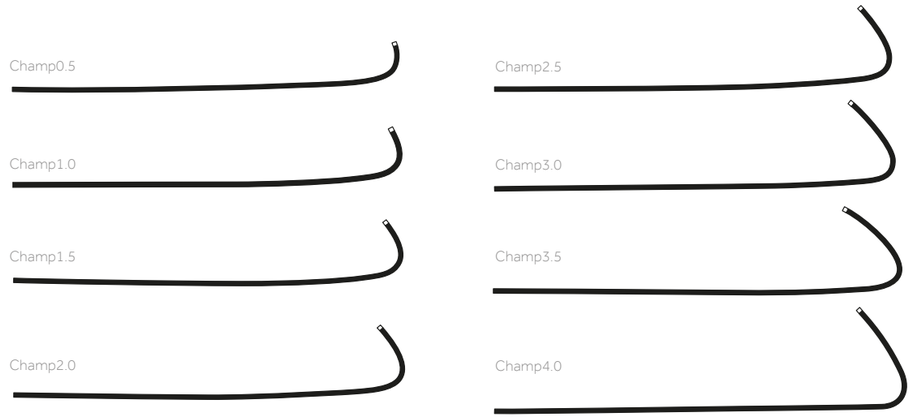
Sherpa NX™ Balanced
Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



CHAMP

	6F BALANCED CODE	7F BALANCED CODE	8F BALANCED CODE
CHAMP 0.5	SB6CHAMP05	SB7CHAMP05	SB8CHAMP05
CHAMP 10	SB6CHAMP10	SB7CHAMP10	SB8CHAMP10
CHAMP 15	SB6CHAMP15	SB7CHAMP15	SB8CHAMP15
CHAMP 20	SB6CHAMP20	SB7CHAMP20	SB8CHAMP20
CHAMP 25	SB6CHAMP25	SB7CHAMP25	SB8CHAMP25
CHAMP 30	SB6CHAMP30	SB7CHAMP30	SB8CHAMP30
CHAMP 35	SB6CHAMP35	SB7CHAMP35	SB8CHAMP35
CHAMP 40	SB6CHAMP40	SB7CHAMP40	SB8CHAMP40

CORONARY
GUIDE CATHETERS

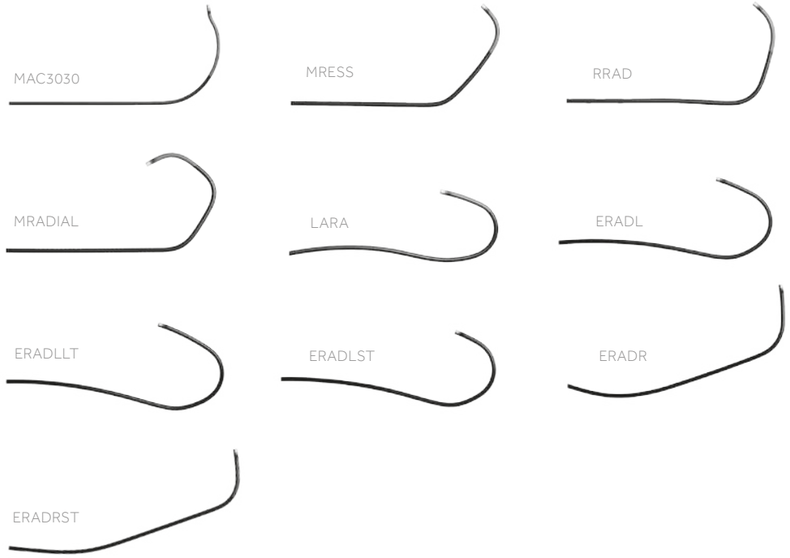
Sherpa NX™ Balanced
Radial Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 6F = 0.070", 7F = 0.080", 8F = 0.088"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



RADIAL CURVES

	6F BALANCED CODE	7F BALANCED CODE
MRADIAL	SB6MRADIAL	SB7MRADIAL
MRESS	SB6MRESS	SB7MRESS
RIGHT RADIAL	SB6RRAD	SB7RRAD
ERADL	SB6ERADL	
ERADLLT	SB6ERADLLT	
ERADLST	SB6ERADLST	
ERADR	SB6ERADR	
ERADRST	SB6ERADRST	

CORONARY
GUIDE CATHETERS

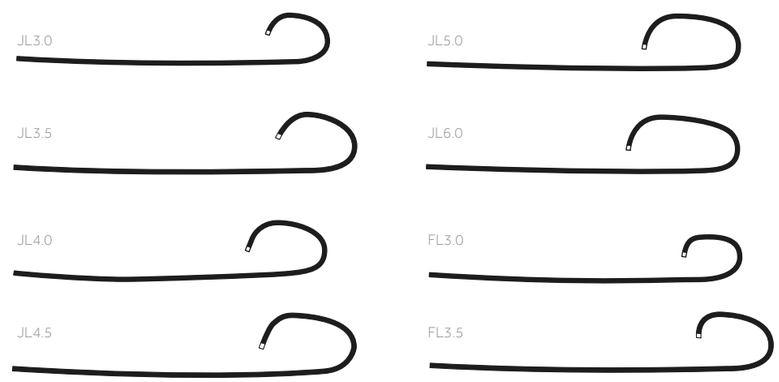
Zuma2™
Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



LEFT CORONARY

	5F CODE	6F CODE	7F CODE	8F CODE
JL3.0	ZM5JL30	Z26JL30	Z27JL30	Z28JL30
JL3.5	ZM5JL35	Z26JL35	Z27JL35	Z28JL35
JL4.0	ZM5JL40	Z26JL40	Z27JL40	Z28JL40
JL4.5	ZM5JL45	Z26JL45	Z27JL45	Z28JL45
JL5.0	ZM5JL50	Z26JL50	Z27JL50	Z28JL50
JL6.0	ZM5JL60	Z26JL60	Z27JL60	Z28JL60
FL3.0	ZM5FL30	Z26FL30	Z27FL30	Z28FL30
FL3.5	ZM5FL35	Z26FL35	Z27FL35	Z28FL35

CORONARY
GUIDE CATHETERS

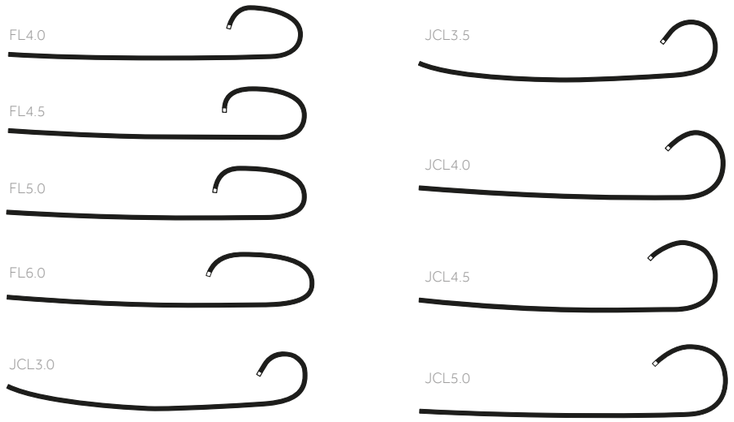
Zuma2™
Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



LEFT CORONARY

	5F CODE	6F CODE	7F CODE	8F CODE
FL4.0	ZM5FL40	Z26FL40	Z27FL40	Z28FL40
FL4.5	ZM5FL45	Z26FL45	Z27FL45	Z28FL45
FL5.0	ZM5FL50	Z26FL50	Z27FL50	Z28FL50
FL6.0	ZM5FL60	Z26FL60	Z27FL60	Z28FL60
JCL3.0	ZM5JCL30	Z26JCL30	Z27JCL30	Z28JCL30
JCL3.5	ZM5JCL35	Z26JCL35	Z27JCL35	Z28JCL35
JCL4.0	ZM5JCL40	Z26JCL40	Z27JCL40	Z28JCL40
JCL4.5	ZM5JCL45	Z26JCL45	Z27JCL45	Z28JCL45
JCL5.0	ZM5JCL50	Z26JCL50	Z27JCL50	Z28JCL50

CORONARY
GUIDE CATHETERS

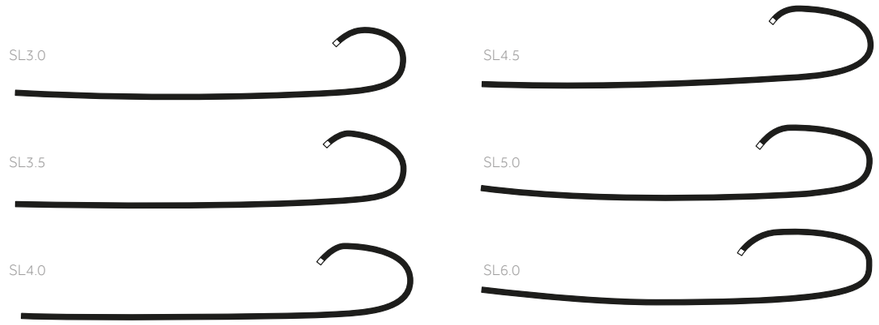
Zuma2™
Short Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



SHORT TIP LEFT CORONARY

	5F CODE	6F CODE	7F CODE	8F CODE
SL3.0	ZM5SL30	Z26SL30	Z27SL30	Z28SL30
SL3.5	ZM5SL35	Z26SL35	Z27SL35	Z28SL35
SL4.0	ZM5SL40	Z26SL40	Z27SL40	Z28SL40
SL4.5	ZM5SL45	Z26SL45	Z27SL45	Z28SL45
SL5.0	ZM5SL50	Z26SL50	Z27SL50	Z28SL50
SL6.0	ZM5SL60	Z26SL60	Z27SL60	Z28SL60

CORONARY
GUIDE CATHETERS

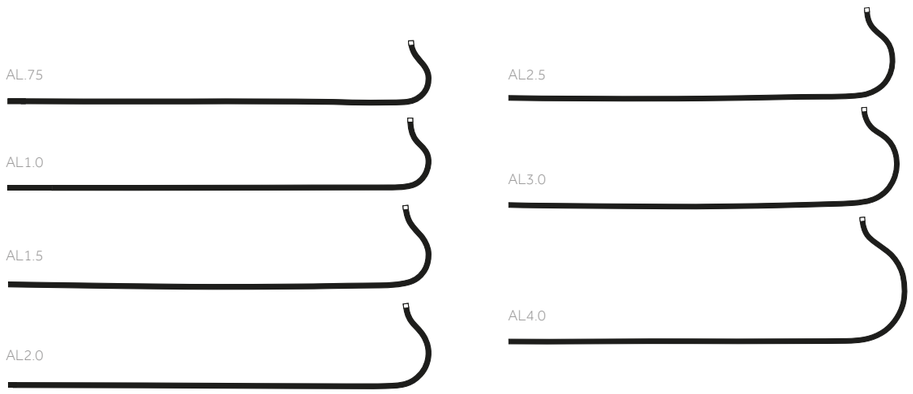
Zuma2™
Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



AMPLATZ LEFT

	5F CODE	6F CODE	7F CODE	8F CODE
AL75	ZM5AL75	Z26AL75	Z27AL75	Z28AL75
AL1.0	ZM5AL10	Z26AL10	Z27AL10	Z28AL10
AL1.5	ZM5AL15	Z26AL15	Z27AL15	Z28AL15
AL2.0	ZM5AL20	Z26AL20	Z27AL20	Z28AL20
AL2.5	ZM5AL25	Z26AL25	Z27AL25	Z28AL25
AL3.0	ZM5AL30	Z26AL30	Z27AL30	Z28AL30
AL4.0	ZM5AL40	Z26AL40	Z27AL40	Z28AL40

CORONARY
GUIDE CATHETERS

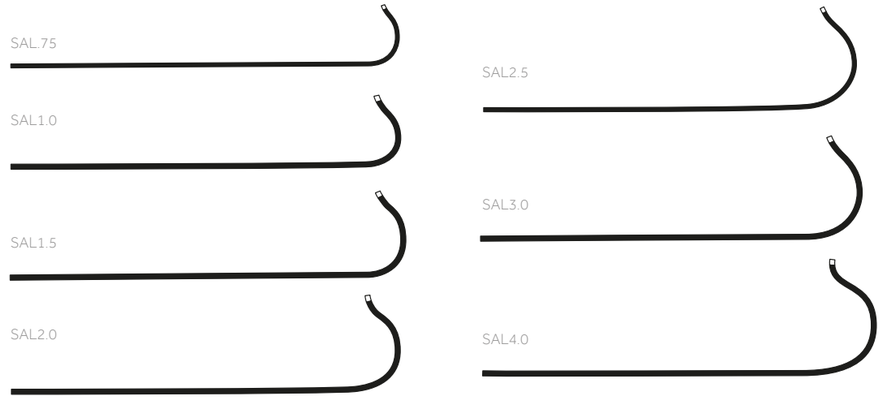
Zuma2™
Short Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



SHORT TIP AMPLATZ LEFT

	5F CODE	6F CODE	7F CODE	8F CODE
SAL75	ZM5SAL75	Z26SAL75	Z27SAL75	Z28SAL75
SAL1.0	ZM5SAL10	Z26SAL10	Z27SAL10	Z28SAL10
SAL1.5	ZM5SAL15	Z26SAL15	Z27SAL15	Z28SAL15
SAL2.0	ZM5SAL20	Z26SAL20	Z27SAL20	Z28SAL20
SAL2.5	ZM5SAL25	Z26SAL25	Z27SAL25	Z28SAL25
SAL3.0	ZM5SAL30	Z26SAL30	Z27SAL30	Z28SAL30
SAL4.0	ZM5SAL40	Z26SAL40	Z27SAL40	Z28SAL40

CORONARY
GUIDE CATHETERS

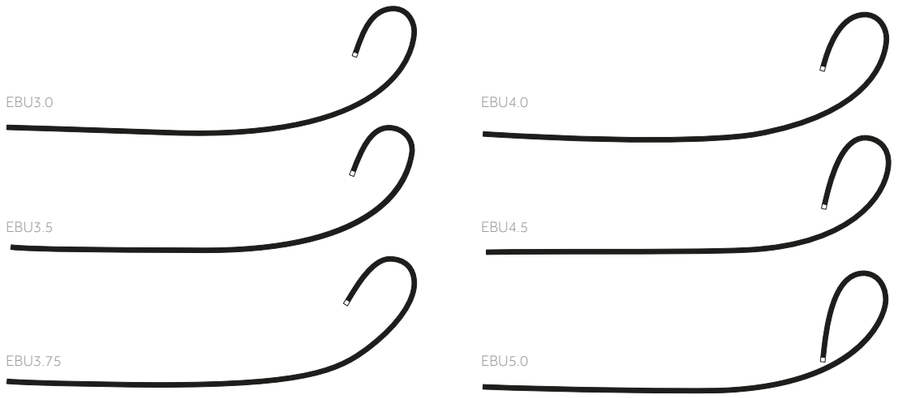
Zuma2™
Left Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



EBU (EXTRA BACKUP)

	5F CODE	6F CODE	7F CODE	8F CODE
EBU3.0	ZM5EBU30	Z26EBU30	Z27EBU30	Z28EBU30
EBU3.5	ZM5EBU35	Z26EBU35	Z27EBU35	Z28EBU35
EBU3.75	ZM5EBU375	Z26EBU375	Z27EBU375	Z28EBU375
EBU4.0	ZM5EBU40	Z26EBU40	Z27EBU40	Z28EBU40
EBU4.5	ZM5EBU45	Z26EBU45	Z27EBU45	Z28EBU45
EBU5.0	ZM5EBU50	Z26EBU50	Z27EBU50	Z28EBU50

CORONARY
GUIDE CATHETERS

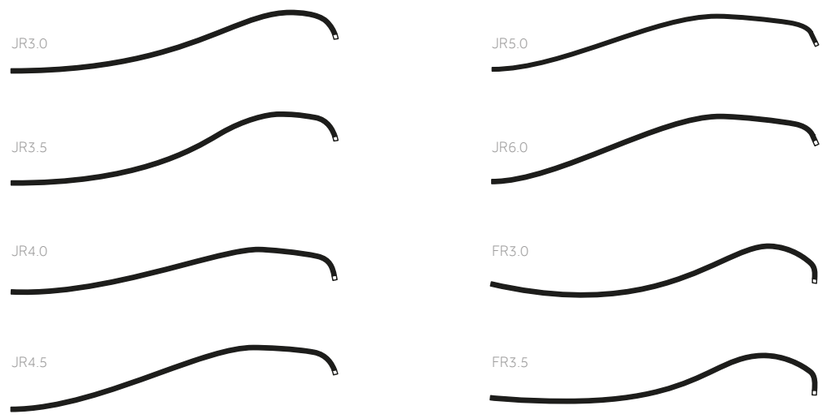
Zuma2™
Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



RIGHT CORONARY CURVE

	5F CODE	6F CODE	7F CODE	8F CODE
JR3.0	ZM5JR30	Z26JR30	Z27JR30	Z28JR30
JR3.5	ZM5JR35	Z26JR35	Z27JR35	Z28JR35
JR4.0	ZM5JR40	Z26JR40	Z27JR40	Z28JR40
JR4.5	ZM5JR45	Z26JR45	Z27JR45	Z28JR45
JR5.0	ZM5JR50	Z26JR50	Z27JR50	Z28JR50
JR6.0	ZM5JR60	Z26JR60	Z27JR60	Z28JR60
FR3.0	ZM5FR30	Z26FR30	Z27FR30	Z28FR30
FR3.5	ZM5FR35	Z26FR35	Z27FR35	Z28FR35

CORONARY
GUIDE CATHETERS

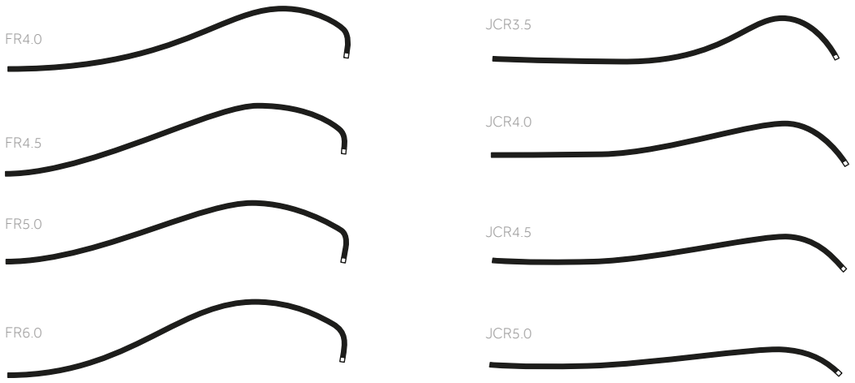
Zuma2™
Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



RIGHT CORONARY CURVE

	5F CODE	6F CODE	7F CODE	8F CODE
FR4.0	ZM5FR40	Z26FR40	Z27FR40	Z28FR40
FR4.5	ZM5FR45	Z26FR45	Z27FR45	Z28FR45
FR5.0	ZM5FR50	Z26FR50	Z27FR50	Z28FR50
FR6.0	ZM5FR60	Z26FR60	Z27FR60	Z28FR60
JCR3.5	ZM5JCR35	Z26JCR35	Z27JCR35	Z28JCR35
JCR4.0	ZM5JCR40	Z26JCR40	Z27JCR40	Z28JCR40
JCR4.5	ZM5JCR45	Z26JCR45	Z27JCR45	Z28JCR45
JCR5.0	ZM5JCR50	Z26JCR50	Z27JCR50	Z28JCR50

CORONARY
GUIDE CATHETERS

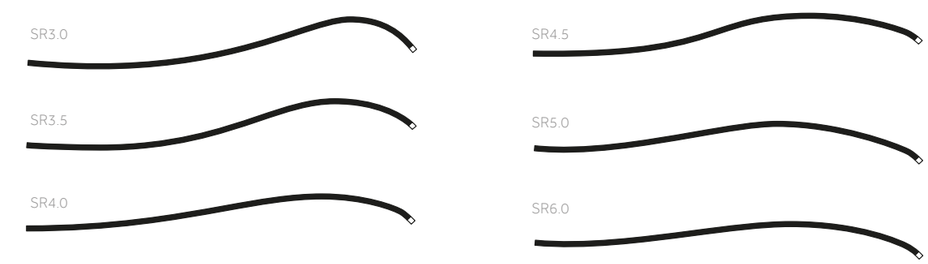
Zuma2™
Short Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



SHORT TIP RIGHT CORONARY

	5F CODE	6F CODE	7F CODE	8F CODE
SR3.0	ZM5SR30	Z26SR30	Z27SR30	Z28SR30
SR3.5	ZM5SR35	Z26SR35	Z27SR35	Z28SR35
SR4.0	ZM5SR40	Z26SR40	Z27SR40	Z28SR40
SR4.5	ZM5SR45	Z26SR45	Z27SR45	Z28SR45
SR5.0	ZM5SR50	Z26SR50	Z27SR50	Z28SR50
SR6.0	ZM5SR60	Z26SR60	Z27SR60	Z28SR60

CORONARY
GUIDE CATHETERS

Zuma2™
Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.

AR1.0

ALR1-2

AR2.0

AMPLATZ RIGHT

	5F CODE	6F CODE	7F CODE	8F CODE
AR1.0	ZM5AR10	Z26AR10	Z27AR10	Z28AR10
AR2.0	ZM5AR20	Z26AR20	Z27AR20	Z28AR20
ALR1-2	ZM5ALR12	Z26ALR12	Z27ALR12	Z28ALR12

CORONARY
GUIDE CATHETERS

Zuma2™
Short Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.

SAR1.0

SAR2.0

SHORT TIP AMPLATZ RIGHT

	5F CODE	6F CODE	7F CODE	8F CODE
SAR1.0	ZM5SAR10	Z26SAR10	Z27SAR10	Z28SAR10
SAR2.0	ZM5SAR20	Z26SAR20	Z27SAR20	Z28SAR20

CORONARY
GUIDE CATHETERS

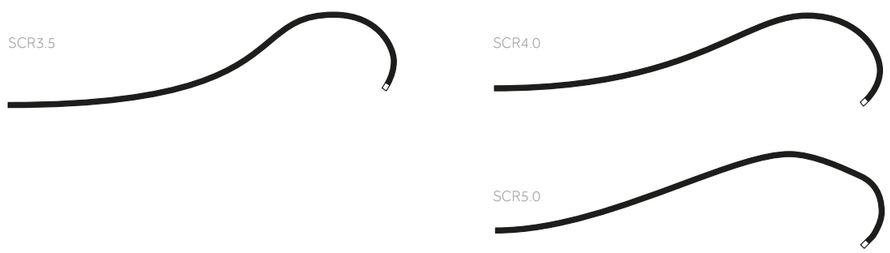
Zuma2™
Shepherd's Crook Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



SHEPHERD'S CROOK RIGHT

	5F CODE	6F CODE	7F CODE	8F CODE
SCR3.5	ZM5SCR35	Z26SCR35	Z27SCR35	Z28SCR35
SCR4.0	ZM5SCR40	Z26SCR40	Z27SCR40	Z28SCR40
SCR5.0	ZM5SCR50	Z26SCR50	Z27SCR50	Z28SCR50

CORONARY
GUIDE CATHETERS

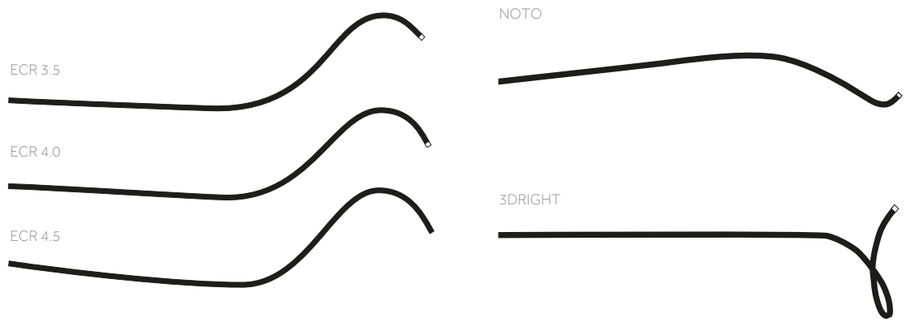
Zuma2™
Right Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



ECR CURVES

	5F CODE	6F CODE	7F CODE	8F CODE
ECR 3.5		Z26ECR35	Z27ECR35	Z28ECR35
ECR 4.0		Z26ECR40	Z27ECR40	Z28ECR40
ECR 4.5		Z26ECR45	Z27ECR45	Z28ECR45
3D RIGHT	-	Z263DRIGHT		
NO TORQUE Right	ZM5NOTO	Z26NOTO	Z27NOTO	Z28NOTO

CORONARY
GUIDE CATHETERS

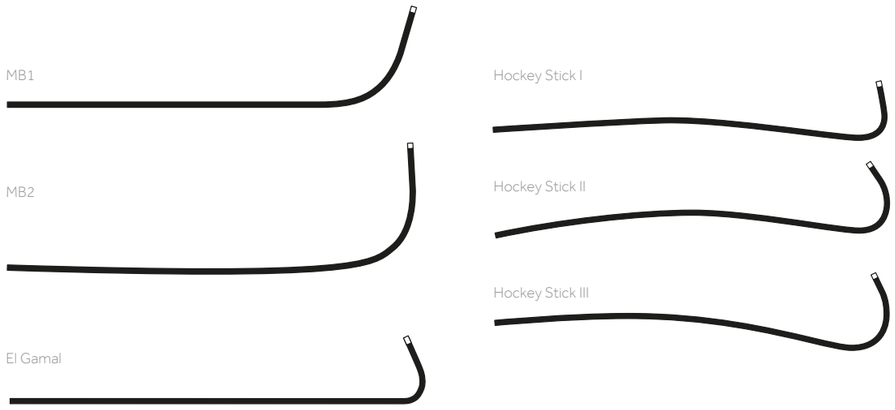
Zuma2™
Multipurpose Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



MULTIPURPOSE

	5F CODE	6F CODE	7F CODE	8F CODE
MB1	ZM5MB1	Z26MB1	Z27MB1	Z28MB1
MB2	ZM5MB2	Z26MB2	Z27MB2	Z28MB2
Hockey Stick I	ZM5HSI	Z26 HSI	Z27 HSI	Z28 HSI
Hockey Stick II	ZM5HSII	Z26HSII	Z27HSII	Z28HSII
Hockey Stick III	ZM5HSIII	Z26HSIII	Z27HSIII	Z28HSIII
El Gamal	ZM5ELGAMAL	Z26ELGAMAL	Z27ELGAMAL	Z28ELGAMAL

CORONARY
GUIDE CATHETERS

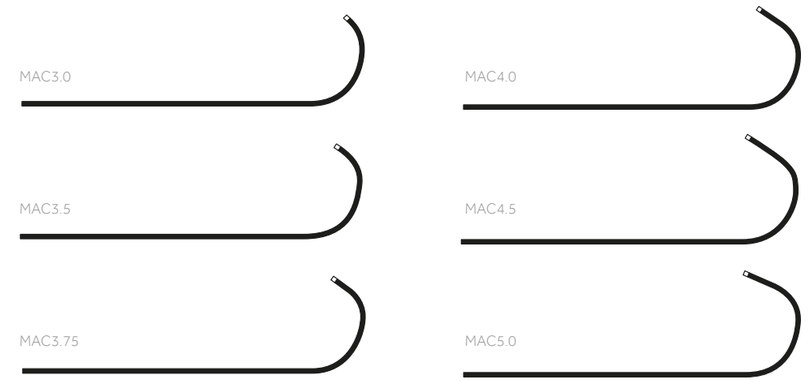
Zuma2™
Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



MAC (MULTI-AORTIC CURVES)

	5F CODE	6F CODE	7F CODE	8F CODE
MAC3.0	ZM5MAC30	Z26MAC30	Z27MAC30	Z28MAC30
MAC3.5	ZM5MAC35	Z26MAC35	Z27MAC35	Z28MAC35
MAC3.75	ZM5MAC375	Z26MAC375	Z27MAC375	Z28MAC375
MAC4.0	ZM5MAC40	Z26MAC40	Z27MAC40	Z28MAC40
MAC4.5	ZM5MAC45	Z26MAC45	Z27MAC45	Z28MAC45
MAC5.0	ZM5MAC50	Z26MAC50	Z27MAC50	Z28MAC50

CORONARY
GUIDE CATHETERS

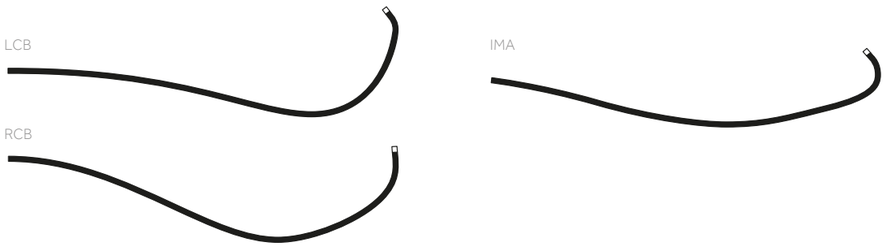
Zuma2™
Bypass Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



BYPASS GRAFTS

	5F CODE	6F CODE	7F CODE	8F CODE
LCB	ZM5LCB	Z26LCB	Z27LCB	Z28LCB
RCB	ZM5RCB	Z26RCB	Z27RCB	Z28RCB
RCB (90 cm)	ZM5RCBD	Z26RCBD	Z27RCBD	Z28RCBD
IMA	ZM5IMA	Z26IMA	Z27IMA	Z28IMA
IMA (90 cm)	ZM5IMAD	Z26IMAD	Z27IMAD	Z28IMAD

CORONARY
GUIDE CATHETERS

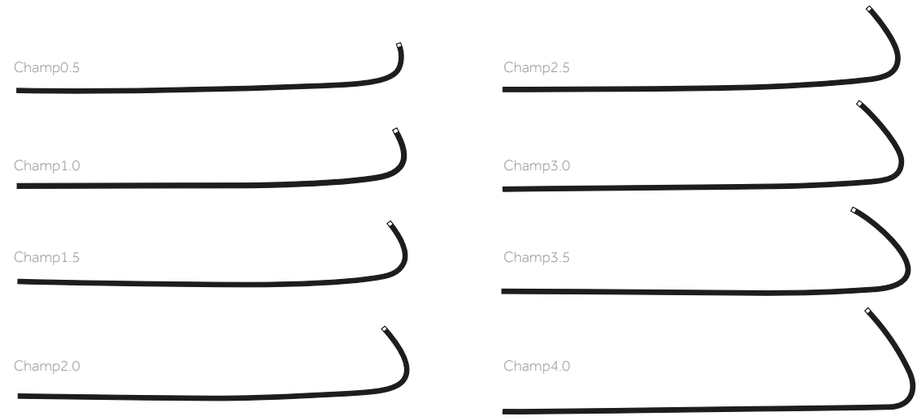
Zuma2™
Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



CHAMP

	5F CODE	6F CODE	7F CODE	8F CODE
CHAMP 0.5	ZM5CHAMP05	Z26CHAMP05	Z27CHAMP05	Z28CHAMP05
CHAMP 10	ZM5CHAMP10	Z26CHAMP10	Z27CHAMP10	Z28CHAMP10
CHAMP 15	ZM5CHAMP15	Z26CHAMP15	Z27CHAMP15	Z28CHAMP15
CHAMP 20	ZM5CHAMP20	Z26CHAMP20	Z27CHAMP20	Z28CHAMP20
CHAMP 25	ZM5CHAMP25	Z26CHAMP25	Z27CHAMP25	Z28CHAMP25
CHAMP 30	ZM5CHAMP30	Z26CHAMP30	Z27CHAMP30	Z28CHAMP30
CHAMP 35	ZM5CHAMP35	Z26CHAMP35	Z27CHAMP35	Z28CHAMP35
CHAMP 40	ZM5CHAMP40	Z26CHAMP40	Z27CHAMP40	Z28CHAMP40

CORONARY
GUIDE CATHETERS

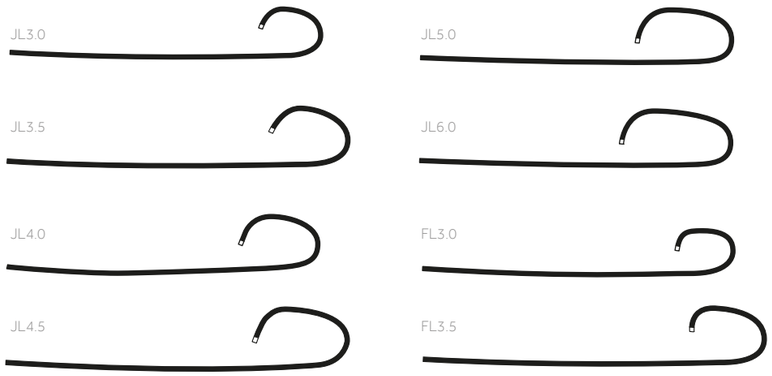
Zuma™
Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey,
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



LEFT CORONARY

	6F CODE	7F CODE	8F CODE	9F CODE
JL3.0	ZM6JL30	ZT7JL30	ZS8JL30	ZM9JL30
JL3.5	ZM6JL35	ZT7JL35	ZS8JL35	ZM9JL35
JL4.0	ZM6JL40	ZT7JL40	ZS8JL40	ZM9JL40
JL4.5	ZM6JL45	ZT7JL45	ZS8JL45	ZM9JL45
JL5.0	ZM6JL50	ZT7JL50	ZS8JL50	ZM9JL50
JL6.0	ZM6JL60	ZT7JL60	ZS8JL60	ZM9JL60
FL3.0	ZM6FL30	ZT7FL30	ZS8FL30	ZM9FL30
FL3.5	ZM6FL35	ZT7FL35	ZS8FL35	ZM9FL35

CORONARY
GUIDE CATHETERS

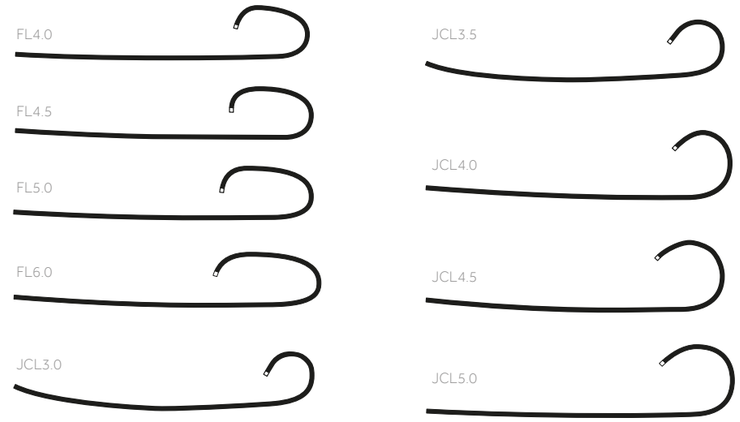
Zuma™
Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey,
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



LEFT CORONARY

	6F CODE	7F CODE	8F CODE	9F CODE
FL4.0	ZM6FL40	ZT7FL40	ZS8FL40	ZM9FL40
FL4.5	ZM6FL45	ZT7FL45	ZS8FL45	ZM9FL45
FL5.0	ZM6FL50	ZT7FL50	ZS8FL50	ZM9FL50
FL6.0	ZM6FL60	ZT7FL60	ZS8FL60	ZM9FL60
JCL3.0	ZM6JCL30	ZT7JCL30	ZS8JCL30	ZM9JCL30
JCL3.5	ZM6JCL35	ZT7JCL35	ZS8JCL35	ZM9JCL35
JCL4.0	ZM6JCL40	ZT7JCL40	ZS8JCL40	ZM9JCL40
JCL4.5	ZM6JCL45	ZT7JCL45	ZS8JCL45	ZM9JCL45
JCL5.0	ZM6JCL50	ZT7JCL50	ZS8JCL50	ZM9JCL50

CORONARY
GUIDE CATHETERS

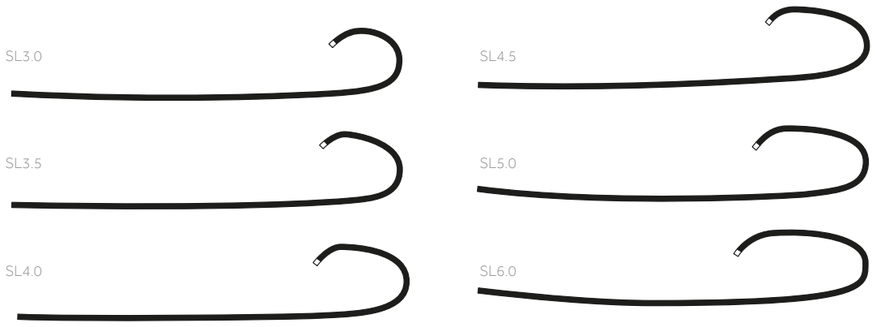
Zuma™
Short Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey,
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



SHORT TIP LEFT CORONARY

	6F CODE	7F CODE	8F CODE	9F CODE
SL3.0	ZM6SL30	ZT7SL30	ZS8SL30	ZM9SL30
SL3.5	ZM6SL35	ZT7SL35	ZS8SL35	ZM9SL35
SL4.0	ZM6SL40	ZT7SL40	ZS8SL40	ZM9SL40
SL4.5	ZM6SL45	ZT7SL45	ZS8SL45	ZM9SL45
SL5.0	ZM6SL50	ZT7SL50	ZS8SL50	ZM9SL50
SL6.0	ZM6SL60	ZT7SL60	ZS8SL60	ZM9SL60

CORONARY
GUIDE CATHETERS

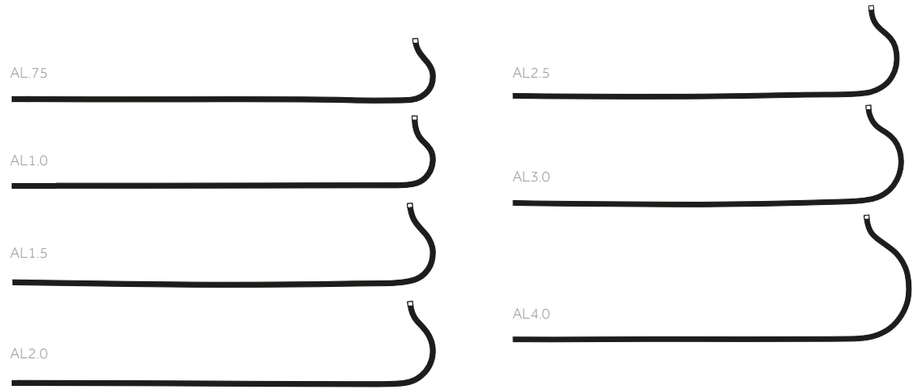
Zuma™
Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey,
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



AMPLATZ LEFT

	6F CODE	7F CODE	8F CODE	9F CODE
AL75	ZM6AL75	ZT7AL75	ZS8AL75	ZM9AL75
AL1.0	ZM6AL10	ZT7AL10	ZS8AL10	ZM9AL10
AL1.5	ZM6AL15	ZT7AL15	ZS8AL15	ZM9AL15
AL2.0	ZM6AL20	ZT7AL20	ZS8AL20	ZM9AL20
AL2.5	ZM6AL25	ZT7AL25	ZS8AL25	ZM9AL25
AL3.0	ZM6AL30	ZT7AL30	ZS8AL30	ZM9AL30
AL4.0	ZM6AL40	ZT7AL40	ZS8AL40	ZM9AL40

CORONARY
GUIDE CATHETERS

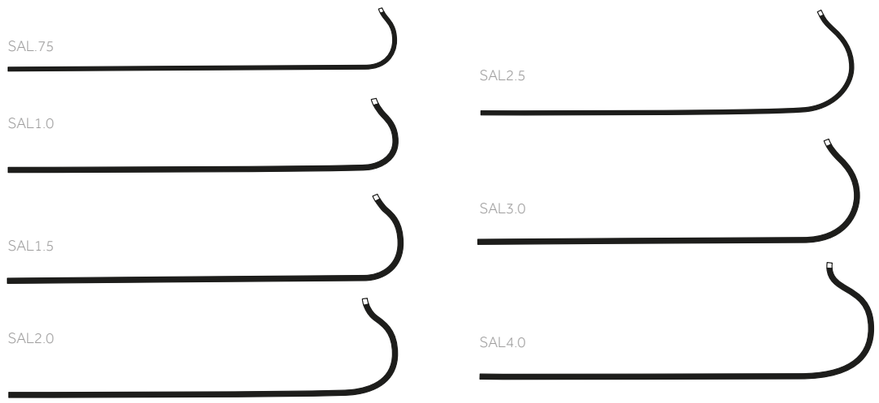
Zuma™
Short Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey,
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



SHORT TIP AMPLATZ LEFT

	6F CODE	7F CODE	8F CODE	9F CODE
SAL75	ZM6SAL75	ZT7SAL75	ZS8SAL75	ZM9SAL75
SAL1.0	ZM6SAL10	ZT7SAL10	ZS8SAL10	ZM9SAL10
SAL1.5	ZM6SAL15	ZT7SAL15	ZS8SAL15	ZM9SAL15
SAL2.0	ZM6SAL20	ZT7SAL20	ZS8SAL20	ZM9SAL20
SAL2.5	ZM6SAL25	ZT7SAL25	ZS8SAL25	ZM9SAL25
SAL3.0	ZM6SAL30	ZT7SAL30	ZS8SAL30	ZM9SAL30
SAL4.0	ZM6SAL40	ZT7SAL40	ZS8SAL40	ZM9SAL40

CORONARY
GUIDE CATHETERS

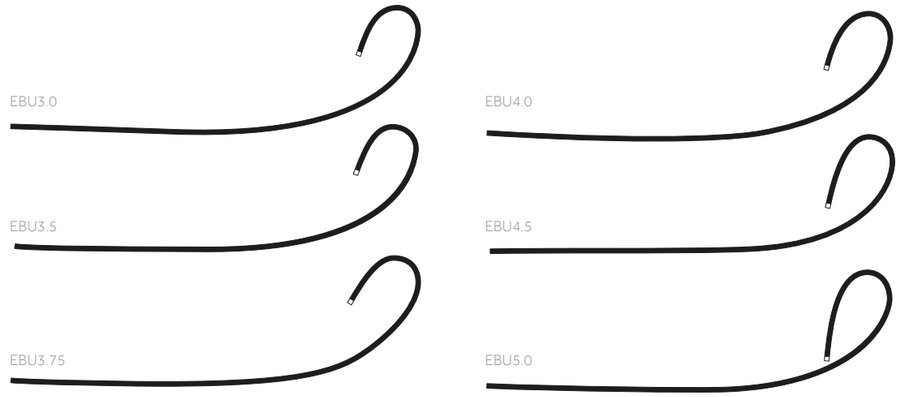
Zuma™
Left Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey,
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



EBU (EXTRA BACKUP)

	6F CODE	7F CODE	8F CODE	9F CODE
EBU3.0	ZM6EBU30	ZT7EBU30	ZS8EBU30	ZM9EBU30
EBU3.5	ZM6EBU35	ZT7EBU35	ZS8EBU35	ZM9EBU35
EBU3.75	ZM6EBU375	ZT7EBU375	ZS8EBU375	ZM9EBU375
EBU4.0	ZM6EBU40	ZT7EBU40	ZS8EBU40	ZM9EBU40
EBU4.5	ZM6EBU45	ZT7EBU45	ZS8EBU45	ZM9EBU45
EBU5.0	ZM6EBU50	ZT7EBU50	ZS8EBU50	ZM9EBU50

CORONARY
GUIDE CATHETERS

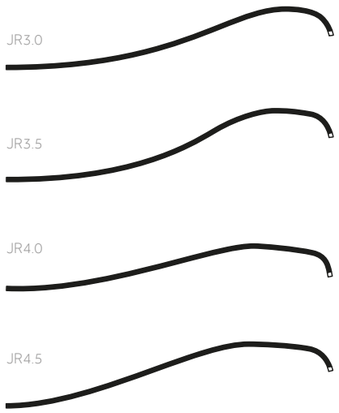
Zuma™
Right Coronary Curve

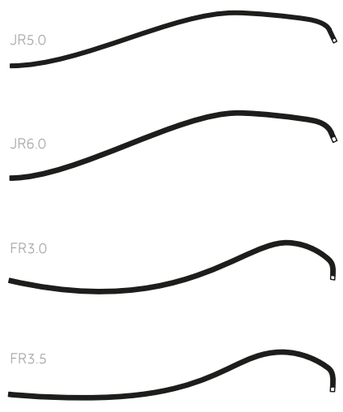
GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey,
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use





RIGHT CORONARY CURVE

	6F CODE	7F CODE	8F CODE	9F CODE
JR3.0	ZM6JR30	ZT7JR30	ZS8JR30	ZM9JR30
JR3.5	ZM6JR35	ZT7JR35	ZS8JR35	ZM9JR35
JR4.0	ZM6JR40	ZT7JR40	ZS8JR40	ZM9JR40
JR4.5	ZM6JR45	ZT7JR45	ZS8JR45	ZM9JR45
JR5.0	ZM6JR50	ZT7JR50	ZS8JR50	ZM9JR50
JR6.0	ZM6JR60	ZT7JR60	ZS8JR60	ZM9JR60
FR3.0	ZM6FR30	ZT7FR30	ZS8FR30	ZM9FR30
FR3.5	ZM6FR35	ZT7FR35	ZS8FR35	ZM9FR35

CORONARY
GUIDE CATHETERS

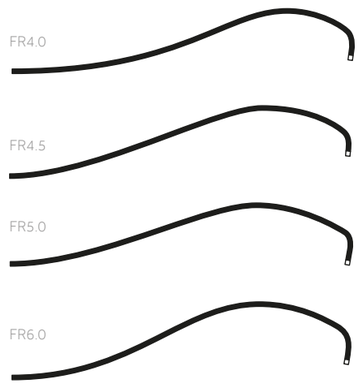
Zuma™
Right Coronary Curve

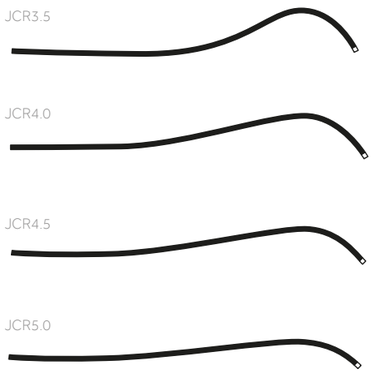
GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey,
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use





RIGHT CORONARY CURVE

	6F CODE	7F CODE	8F CODE	9F CODE
FR4.0	ZM6FR40	ZT7FR40	ZS8FR40	ZM9FR40
FR4.5	ZM6FR45	ZT7FR45	ZS8FR45	ZM9FR45
FR5.0	ZM6FR50	ZT7FR50	ZS8FR50	ZM9FR50
FR6.0	ZM6FR60	ZT7FR60	ZS8FR60	ZM9FR60
JCR3.5	ZM6JCR35	ZT7JCR35	ZS8JCR35	ZM9JCR35
JCR4.0	ZM6JCR40	ZT7JCR40	ZS8JCR40	ZM9JCR40
JCR4.5	ZM6JCR45	ZT7JCR45	ZS8JCR45	ZM9JCR45
JCR5.0	ZM6JCR50	ZT7JCR50	ZS8JCR50	ZM9JCR50

CORONARY
GUIDE CATHETERS

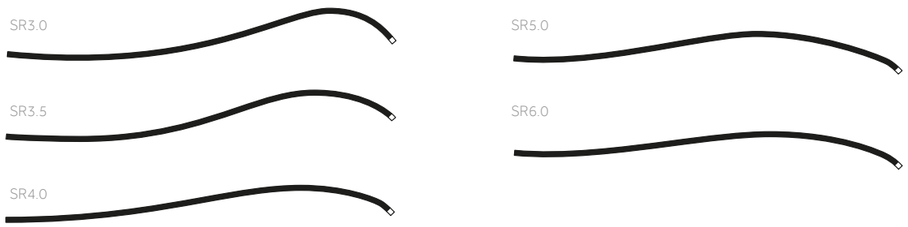
Zuma™
Short Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey.
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



SHORT TIP RIGHT CORONARY

	6F CODE	7F CODE	8F CODE	9F CODE
SR3.0	ZM6SR30	ZT7SR30	ZS8SR30	ZM9SR30
SR3.5	ZM6SR35	ZT7SR35	ZS8SR35	ZM9SR35
SR4.0	ZM6SR40	ZT7SR40	ZS8SR40	ZM9SR40
SR4.5	ZM6SR45	ZT7SR45	ZS8SR45	ZM9SR45
SR5.0	ZM6SR50	ZT7SR50	ZS8SR50	ZM9SR50
SR6.0	ZM6SR60	ZT7SR60	ZS8SR60	ZM9SR60

CORONARY
GUIDE CATHETERS

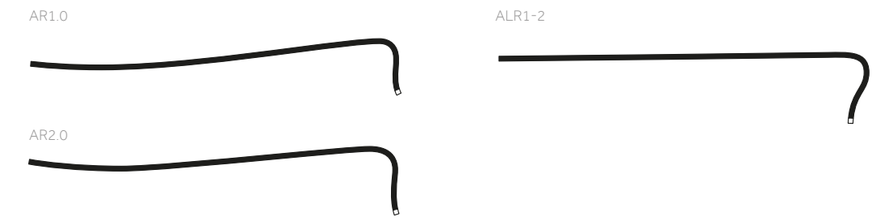
Zuma™
Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey.
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



AMPLATZ RIGHT

	6F CODE	7F CODE	8F CODE	9F CODE
AR1.0	ZM6AR10	ZT7AR10	ZS8AR10	ZM9AR10
AR2.0	ZM6AR20	ZT7AR20	ZS8AR20	ZM9AR20
ALR1-2	ZM6ALR12	ZT7ALR12	ZS8ALR12	ZM9ALR12

CORONARY
GUIDE CATHETERS

Zuma™
Short Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey.
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use

SAR1.0

SAR2.0

SHORT TIP AMPLATZ RIGHT

	6F CODE	7F CODE	8F CODE	9F CODE
SAR1.0	ZM6SAR10	ZT7SAR10	ZS8SAR10	ZM9SAR10
SAR2.0	ZM6SAR20	ZT7SAR20	ZS8SAR20	ZM9SAR20

CORONARY
GUIDE CATHETERS

Zuma™
Shepherd's Crook Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey.
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use

SCR3.5

SCR4.0

SCR5.0

SHEPHERD'S CROOK RIGHT

	6F CODE	7F CODE	8F CODE	9F CODE
SCR3.5	ZM6SCR35	ZT7SCR35	ZS8SCR35	ZM9SCR35
SCR4.0	ZM6SCR40	ZT7SCR40	ZS8SCR40	ZM9SCR40
SCR5.0	ZM6SCR50	ZT7SCR50	ZS8SCR50	ZM9SCR50

CORONARY
GUIDE CATHETERS

Zuma™
Right Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey.
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use

LEFT CORONARY

	6F CODE	7F CODE	8F CODE	9F CODE
NO TORQUE Right	ZM6NOTO	ZT7NOTO	ZS8NOTO	ZM9NOTO

CORONARY
GUIDE CATHETERS

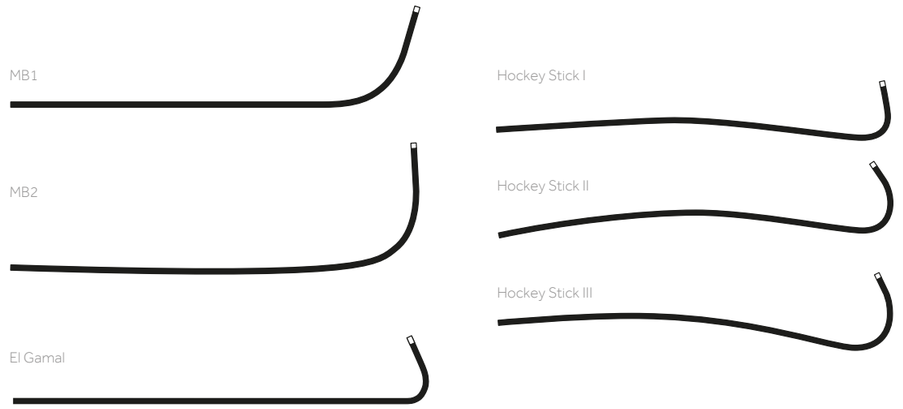
Zuma™
Multipurpose Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey.
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



MULTIPURPOSE

	6F CODE	7F CODE	8F CODE	9F CODE
MB1	ZM6MB10	ZT7MB1	ZS8MB1	ZM9MB1
MB2	ZM6MB2	ZT7MB2	ZS8MB2	ZM9MB2
Hockey Stick I	ZM6HIS	ZT7HSI	ZS8HSI	ZM9HIS
Hockey Stick II	ZM6HSII	ZT7HSII	ZS8HSII	ZM9HSII
Hockey Stick III	ZM6HSIII	ZT7HSIII	ZS8HSIII	ZM9HSIII
El Gamal	ZM6ELGAMAL	ZT7ELGAMAL	ZS8ELGAMAL	ZM9ELGAMAL

CORONARY
GUIDE CATHETERS

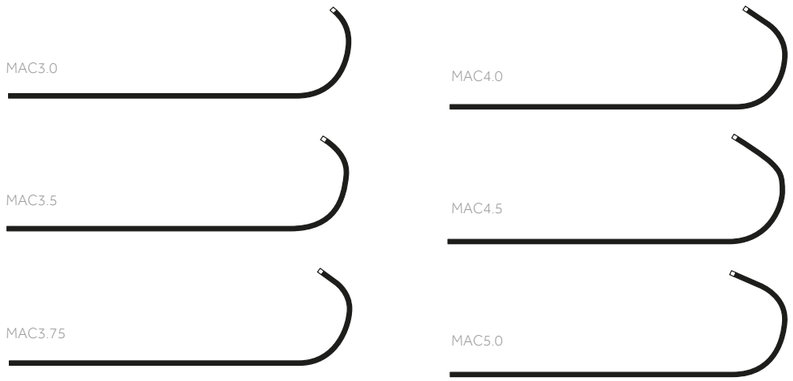
Zuma™
Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey.
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



MAC (MULTI-AORTIC CURVES)

	6F CODE	7F CODE	8F CODE	9F CODE
MAC3.0	ZM6MAC30	ZT7MAC30	ZS8MAC30	ZM9MAC30
MAC3.5	ZM6MAC35	ZT7MAC35	ZS8MAC35	ZM9MAC35
MAC3.75	ZM6MAC375	ZT7MAC375	ZS8MAC375	ZM9MAC375
MAC4.0	ZM6MAC40	ZT7MAC40	ZS8MAC40	ZM9MAC40
MAC4.5	ZM6MAC45	ZT7MAC45	ZS8MAC45	ZM9MAC45
MAC5.0	ZM6MAC50	ZT7MAC50	ZS8MAC50	ZM9MAC50

CORONARY
GUIDE CATHETERS

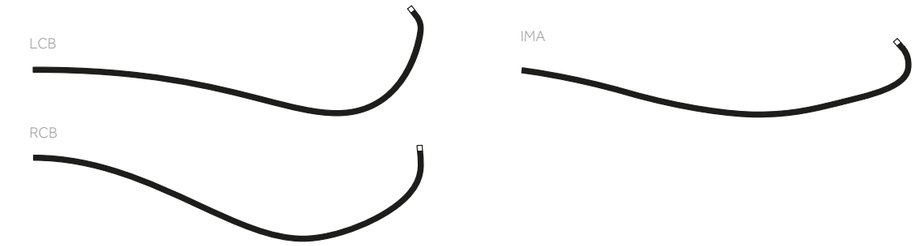
Zuma™
Bypass Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey.
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



BYPASS GRAFTS

	6F CODE	7F CODE	8F CODE	9F CODE
LCB	ZM6LCB	ZT7LCB	ZS8LCB	ZM9LCB
RCB	ZM6RCB	ZT7RCB	ZS8RCB	ZM9RCB
RCB (90 cm)	ZM6RCBD	ZT7RCBD	ZS8RCBD	ZM9RCBD
IMA	ZM6IMA	ZT7IMA	ZS8IMA	ZM9IMA
IMA (90 cm)	ZM6IMAD	ZT7IMAD	ZS8IMAD	ZM9IMAD

CORONARY
GUIDE CATHETERS

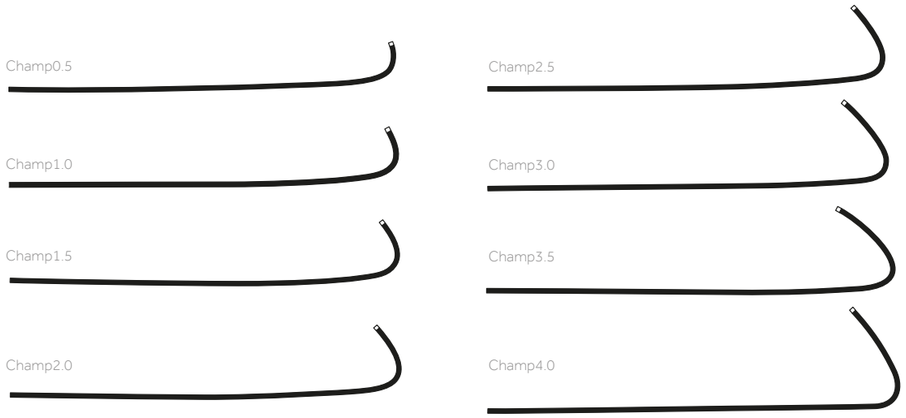
Zuma™
Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 6F = Green, 7F = Orange, 8F = Blue, 9F = Grey,
- Lumen inner diameter: 6F = 0.068", 7F = 0.081", 8F = 0.091", 9F = 0.103"

PRODUCT DESCRIPTION

Supportive stiff guide for passive use



CHAMP

	6F CODE	7F CODE	8F CODE	9F CODE
CHAMP 0.5	Z26CHAMP05	ZT7CHAMP05	ZS8CHAMP05	ZM9CHAMP05
CHAMP 10	Z26CHAMP10	ZT7CHAMP10	ZS8CHAMP10	ZM9CHAMP10
CHAMP 15	Z26CHAMP15	ZT7CHAMP15	ZS8CHAMP15	ZM9CHAMP15
CHAMP 20	Z26CHAMP20	ZT7CHAMP20	ZS8CHAMP20	ZM9CHAMP20
CHAMP 25	Z26CHAMP25	ZT7CHAMP25	ZS8CHAMP25	ZM9CHAMP25
CHAMP 30	Z26CHAMP30	ZT7CHAMP30	ZS8CHAMP30	—
CHAMP 35	Z26CHAMP35	ZT7CHAMP35	ZS8CHAMP35	ZM9CHAMP35
CHAMP 40	Z26CHAMP40	ZT7CHAMP40	ZS8CHAMP40	ZM9CHAMP40

INTERVENTIONAL GUIDEWIRES

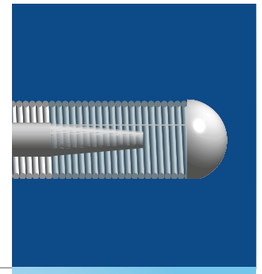
GUIDEWIRE FAMILY

Medtronic offers a wide array of guidewires
to support different clinical needs

ZINGER™

Stainless steel workhorse guidewire

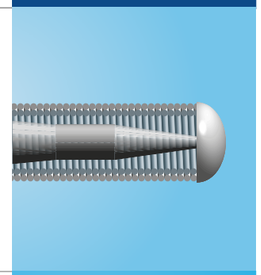
- When you need steerability and torque control
- Stainless steel core wire provides torque transmission for advanced steerability and control. Available in a range of support levels for a variety of clinical situations: light, marker, medium and support.



INTUITION™

Advanced workhorse guidewire

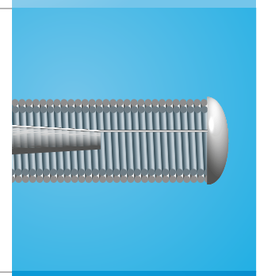
- Confidently cross your more challenging workhorse cases
- Torque performance and one-gram tip weight give you precision and confidence during your more difficult workhorse cases. Accu-Core Technology provides torque and improved crossability.



COUGAR™

Nitinol workhorse guidewire

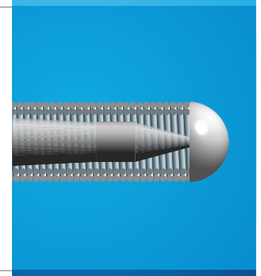
- When you need trackability for distal and tortuous access
- Nitinol core wire provides steerability and support through tortuous anatomy and for multivessel treatment. Double coil tip is soft and atraumatic for shape retention.



PROVIA™

Crossing guidewire

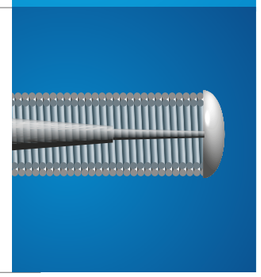
- Designed to cross your most demanding lesions
- Available in a wide range of weights and lengths. Accu-Core Technology offers torque performance, tactile feel, improved lesion penetration and a 1-mm nonhydrophilic tip.



THUNDER™

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.



INTERVENTIONAL GUIDEWIRES

Zinger™ Light
Stainless steel workhorse guidewire

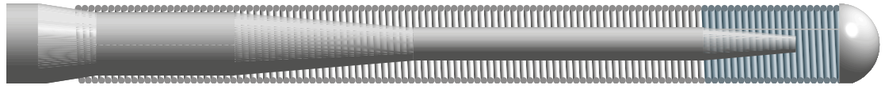
GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

PRODUCT DESCRIPTION

The Zinger™ line of guidewires is the latest advancement in highly trackable guidewires with excellent torque control.

- Available with Pro/Pel™ silicone coating or Hydro-Track™ hydrophilic coating for more treatment strategies.
- Zinger™ is available in various support levels as well as a marker version to meet your preference and clinical challenge.
- 2-cm radiopaque tip for visibility.
- Zinger™ Light is a highly trackable light support guidewire with floppy tip for tortuous anatomy.



ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
ZINGER LS	ZNGRLS180HS	180	Hydro-Track	Straight tip
ZINGER LS	ZNGRLS180S	180	Pro/Pel	Straight tip
ZINGER LS	ZNGRLS180HJ	180	Hydro-Track	J-tip
ZINGER LS	ZNGRLS180J	180	Pro/Pel	J-tip
ZINGER LS	ZNGRLS300HS	300	Hydro-Track	Straight tip
ZINGER LS	ZNGRLS300S	300	Pro/Pel	Straight tip
ZINGER LS	ZNGRLS300HJ	300	Hydro-Track	J-tip
ZINGER LS	ZNGRLS300J	300	Pro/Pel	J-tip

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

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

Zinger™ Marker
Stainless steel workhorse guidewire

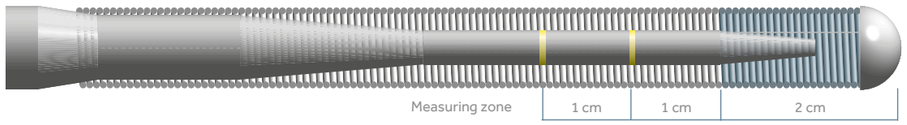
GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

PRODUCT DESCRIPTION

The Zinger™ line of guidewires is the latest advancement in highly trackable guidewires with excellent torque control.

- The Hydro-track hydrophylic coating offers optimal lubricity and durability.
- Zinger™ is available in various support levels as well as a marker version to meet your preference and clinical challenge.
- Zinger™ Marker is a light support guidewire with two radiopaque markers for reference measure of vessels and lesions.



ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
ZINGER MK	ZNGRMK180HS	180	Hydro-Track	Straight tip
ZINGER MK	ZNGRMK180S	180	Pro/Pel	Straight tip
ZINGER MK	ZNGRMK180HJ	180	Hydro-Track	J-tip
ZINGER MK	ZNGRMK180J	180	Pro/Pel	J-tip
ZINGER MK	ZNGRMK300HS	300	Hydro-Track	Straight tip
ZINGER MK	ZNGRMK300S	300	Pro/Pel	Straight tip
ZINGER MK	ZNGRMK300HJ	300	Hydro-Track	J-tip
ZINGER MK	ZNGRMK300J	300	Pro/Pel	J-tip

Tip style: Forming ribbon

Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

Zinger™ Medium
Stainless steel workhorse guidewire

GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

PRODUCT DESCRIPTION

The Zinger™ line of guidewires is the latest advancement in highly trackable guidewires with excellent torque control.

- The Hydro-track hydrophylic coating offers optimal lubricity and durability.
- Zinger™ is available in various support levels as well as a marker version to meet your preference and clinical challenge.
- Zinger™ Medium is a medium weight "workhorse" wire, ideal for general use in varied anatomy.

ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
ZINGER MS	ZNGRMS180HS	180	Hydro-Track	Straight tip
ZINGER MS	ZNGRMS180S	180	Pro/Pel	Straight tip
ZINGER MS	ZNGRMS180HJ	180	Hydro-Track	J-tip
ZINGER MS	ZNGRMS180J	180	Pro/Pel	J-tip
ZINGER MS	ZNGRMS300HS	300	Hydro-Track	Straight tip
ZINGER MS	ZNGRMS300S	300	Pro/Pel	Straight tip
ZINGER MS	ZNGRMS300HJ	300	Hydro-Track	J-tip
ZINGER MS	ZNGRMS300J	300	Pro/Pel	J-tip

Tip style: Core-to-tip

Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

Zinger™ Support
Stainless steel workhorse guidewire

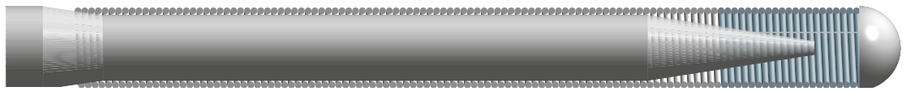
GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

PRODUCT DESCRIPTION

The Zinger™ line of guidewires is the latest advancement in highly trackable guidewires with excellent torque control.

- The Hydro-track hydrophylic coating offers optimal lubricity and durability.
- Zinger™ is available in various support levels as well as a marker version to meet your preference and clinical challenge.
- Zinger™ Support is designed with added support for stent placement, yet trackable.



ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
ZINGER S	ZNGRS180HS	180	Hydro-Track	Straight tip
ZINGER S	ZNGRS180S	180	Pro/Pel	Straight tip
ZINGER S	ZNGRS180HJ	180	Hydro-Track	J-tip
ZINGER S	ZNGRS180J	180	Pro/Pel	J-tip
ZINGER S	ZNGRS300HS	300	Hydro-Track	Straight tip
ZINGER S	ZNGRS300S	300	Pro/Pel	Straight tip
ZINGER S	ZNGRS300HJ	300	Hydro-Track	J-tip
ZINGER S	ZNGRS300J	300	Pro/Pel	J-tip

Tip style: Forming ribbon

Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

Intuition™
Advanced workhorse guidewire

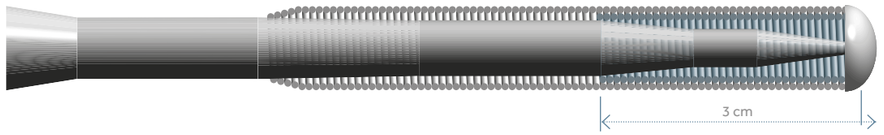
GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

PRODUCT DESCRIPTION

The Intuition™ guidewire offers torque performance and one-gram tip weight to give precision and confidence during more difficult workhorse cases.

- Rounded tip and body provide control.
- Accu-Core technology provides torque performance to control and direct the wire.
- Femoral (proximal) markers on wire, 90 cm and 100 cm from distal tip.
- Available with Pro/Pel™ silicone coating or Hydro-Track™ hydrophilic coating for more treatment strategies.
- 3-cm radiopaque tip for visibility.



ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
Intuition	INTU180HS	180	Hydro-Track	Straight tip
Intuition	INTU180SS	180	Pro/Pel	Straight tip
Intuition	INTU300HS	300	Hydro-Track	Straight tip
Intuition	INTU300SS	300	Pro/Pel	Straight tip

Tip style: Core-to-tip

Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

Cougar™ LS
Nitinol workhorse guidewire

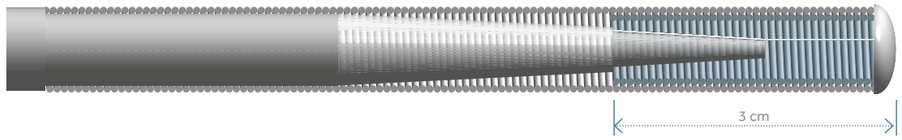
GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

PRODUCT DESCRIPTION

The Cougar™ Steerable Guidewire offers the performance and support required for workhorse cases.

- Nitinol core wire
- Double coil tip design offers a soft tip with outstanding tip shape retention.
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 3-cm radiopaque tip for visibility.



ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
Cougar LS	CGRLS190HS	190 cm	Hydro-Track	Straight tip
Cougar LS	CGRLS190S	190 cm	Pro/Pel	Straight tip
Cougar LS	CGRLS190HJ	190 cm	Hydro-Track	J-tip
Cougar LS	CGRLS190J	190 cm	Pro/Pel	J-tip
Cougar LS	CGRLS300HS	300 cm	Hydro-Track	Straight tip
Cougar LS	CGRLS300S	300 cm	Pro/Pel	Straight tip
Cougar LS	CGRLS300HJ	300 cm	Hydro-Track	J-tip
Cougar LS	CGRLS300J	300 cm	Pro/Pel	J-tip

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

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

Cougar™ XT
Nitinol workhorse guidewire

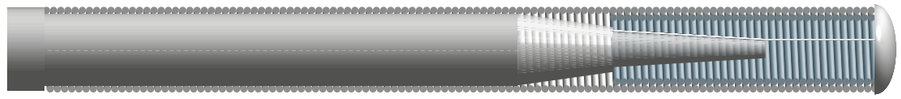
GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

PRODUCT DESCRIPTION

The Cougar™ Steerable Guidewire offers the performance and support required for workhorse cases.

- Nitinol core wire
- Double coil tip design offers a soft tip with outstanding tip shape retention.
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 3-cm radiopaque tip for visibility.



ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
Cougar XT	CGRXT190HS	190 cm	Hydro-Track	Straight tip
Cougar XT	CGRXT190S	190 cm	Pro/Pel	Straight tip
Cougar XT	CGRXT190HJ	190 cm	Hydro-Track	J-tip
Cougar XT	CGRXT190J	190 cm	Pro/Pel	J-tip
Cougar XT	CGRXT300HS	300 cm	Hydro-Track	Straight tip
Cougar XT	CGRXT300S	300 cm	Pro/Pel	Straight tip
Cougar XT	CGRXT300HJ	300 cm	Hydro-Track	J-tip
Cougar XT	CGRXT300J	300 cm	Pro/Pel	J-tip

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

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

ProVia™ Crossing guidewire

GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

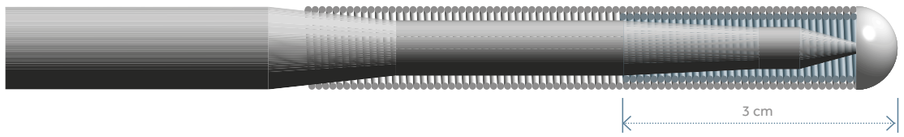
PRODUCT DESCRIPTION

The ProVia™ Crossing Guidewire is designed to cross demanding lesions.

- Accu-Core wire technology is designed to provide torque performance to control and direct the wire.
- Rounded tip and body provide control.
- Tapered tip on ProVia™ 9 and 12 wires.
- 1-mm noncoated tip on the hydrophilic version.
- Femoral (proximal) markers on wire, 90 cm and 100 cm from distal tip.
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 3-cm radiopaque tip for visibility

ProVia™ 3

Straight tip (0.014 in.)



ORDERING INFORMATION

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
ProVia 3	3PROV300HS	3	300	Hydro-Track	Straight tip
ProVia 3	3PROV300SS	3	300	Pro/Pel	Straight tip

Tip style: Core-to-tip

Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness

Support

ProVia™ 6

Straight tip (0.014 in.)

ORDERING INFORMATION

PRODUCT	PRODUCT CODE	SIZE (G)	LENGTH (CM)	COATING	TIP
ProVia 6	6PROV180HS	6	180	Hydro-Track	Straight tip
ProVia 6	6PROV180SS	6	180	Pro/Pel	Straight tip
ProVia 6	6PROV300HS	6	300	Hydro-Track	Straight tip
ProVia 6	6PROV300SS	6	300	Pro/Pel	Straight tip

Tip style: Core-to-tip

Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

ProVia™ Crossing guidewire

GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

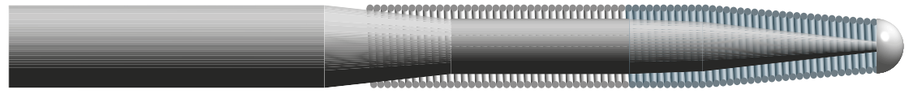
PRODUCT DESCRIPTION

The ProVia™ Crossing Guidewire is designed to cross demanding lesions.

- Accu-Core wire technology is designed to provide torque performance to control and direct the wire.
- Rounded tip and body provide control.
- Tapered tip on ProVia™ 9 and 12 wires.
- 1-mm noncoated tip on the hydrophilic version.
- Femoral (proximal) markers on wire, 90 cm and 100 cm from distal tip.
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 3-cm radiopaque tip for visibility

ProVia™ 9

Tapered tip (0.009 in.)



ORDERING INFORMATION

PRODUCT	PRODUCT CODE	SIZE (G)	LENGTH (CM)	COATING	TIP
ProVia 9	9PROV180HS	9	180	Hydro-Track	Tapered tip
ProVia 9	9PROV180SS	9	180	Pro/Pel	Tapered tip
ProVia 9	9PROV300HS	9	300	Hydro-Track	Tapered tip
ProVia 9	9PROV300SS	9	300	Pro/Pel	Tapered tip

Tip style: Core-to-tip

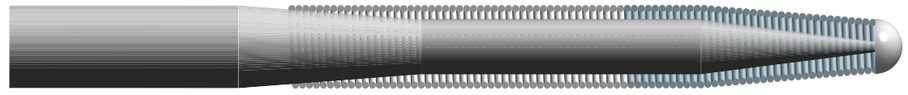
Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness

Support

ProVia™ 12

Tapered tip (0.009 in.)



ORDERING INFORMATION

PRODUCT	PRODUCT CODE	SIZE (G)	LENGTH (CM)	COATING	TIP
ProVia 12	12PROV180HS	12	180	Hydro-Track	Tapered tip
ProVia 12	12PROV180SS	12	180	Pro/Pel	Tapered tip
ProVia 12	12PROV300HS	12	300	Hydro-Track	Tapered tip
ProVia 12	12PROV300SS	12	300	Pro/Pel	Tapered tip

Tip style: Core-to-tip

Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

ProVia™
Crossing guidewire

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

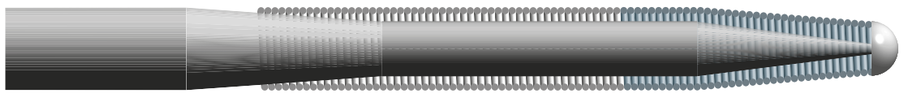
PRODUCT DESCRIPTION

The ProVia™ Crossing Guidewire is designed to cross demanding lesions.

- Accu-Core wire technology is designed to provide torque performance to control and direct the wire.
- Rounded tip and body provide control.
- Tapered tip on ProVia™ 9 and 12 wires.
- 1-mm noncoated tip on the hydrophilic version.
- Femoral (proximal) markers on wire, 90 cm and 100 cm from distal tip.
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 3-cm radiopaque tip for visibility

ProVia™ 15

Tapered tip (0.009 in.)



ORDERING INFORMATION

PRODUCT	PRODUCT CODE	SIZE (G)	LENGTH (CM)	COATING	TIP
ProVia 15	15PROV180HS	15	180	Hydro-Track	Tapered tip
ProVia 15	15PROV180SS	15	180	Pro/Pel	Tapered tip
ProVia 15	15PROV300HS	15	300	Hydro-Track	Tapered tip
ProVia 15	15PROV300SS	15	300	Pro/Pel	Tapered tip

Tip style: Core-to-tip

Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness

Support

INTERVENTIONAL GUIDEWIRES

Thunder™
Extra-Support guidewire

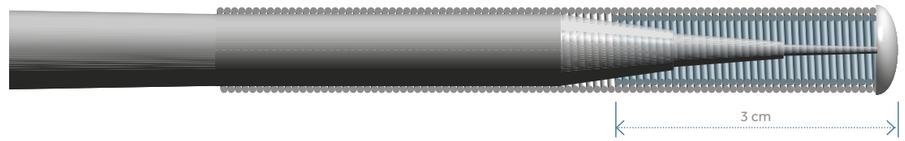
GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5 • Label color: Silver

PRODUCT DESCRIPTION

The Thunder™ Guidewire has a stainless steel core-to-tip design which provides enhanced support and stability while maintaining excellent torque characteristics with precise tip control and steering.

- 11 cm transition zone (rail) which provides support for accurate device placement
- Available in Pro/Pel Silicone coating for track ability and smooth device delivery
- 3 cm Radiopaque Tip for visibility



ORDERING INFORMATION

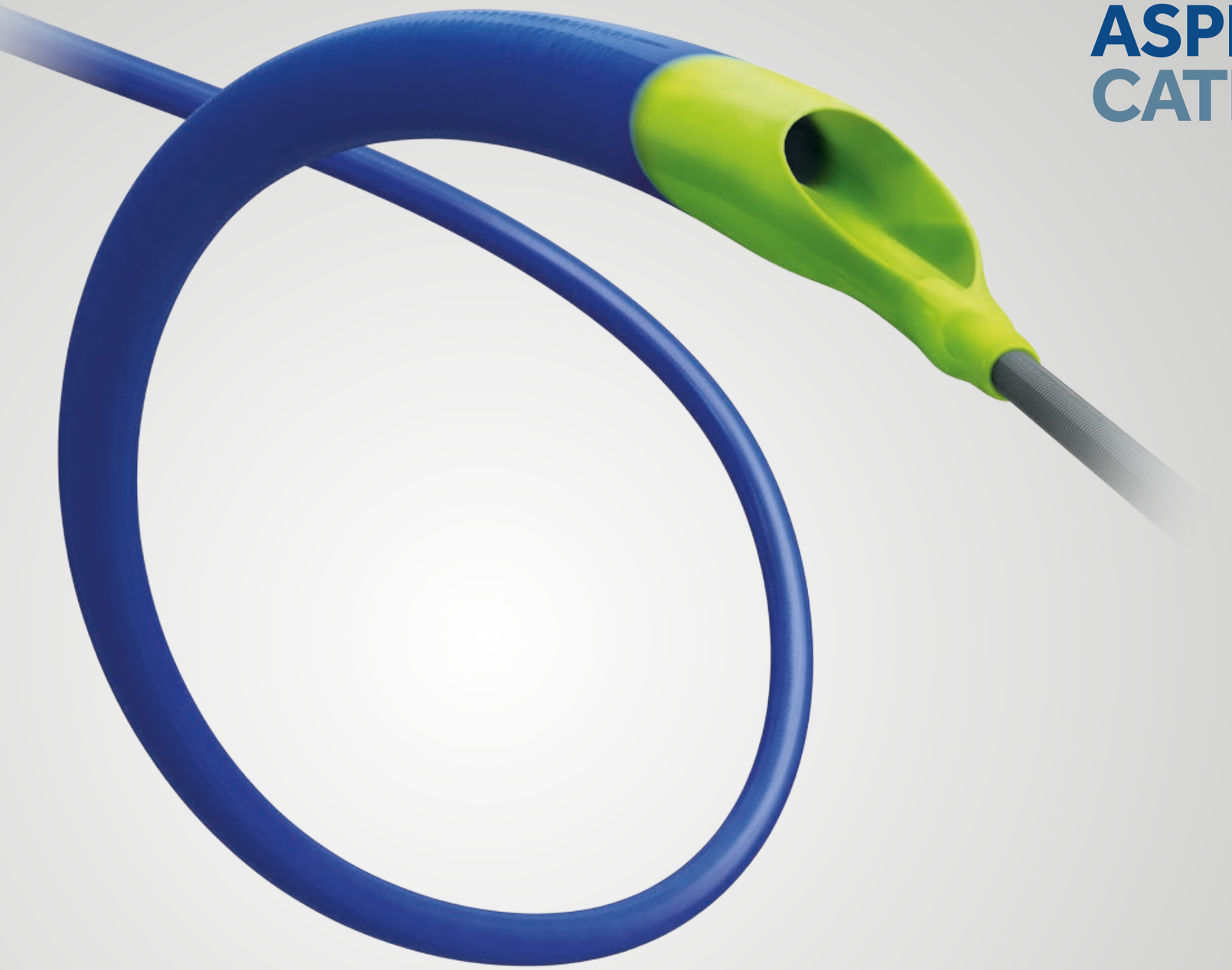
PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
THUNDER	THNDR190S	190	Pro/Pel	Straight tip
THUNDER	THNDR190J	190	Pro/Pel	J-tip
THUNDER	THNDR300S	300	Pro/Pel	Straight tip
THUNDER	THNDR300J	300	Pro/Pel	J-tip

Tip style: Core-to-tip

Outer coating: Pro/Pel

Tip Stiffness

Support



ASPIRATION CATHETERS

ASPIRATION CATHETERS

Export Advance™

GENERAL CHARACTERISTICS

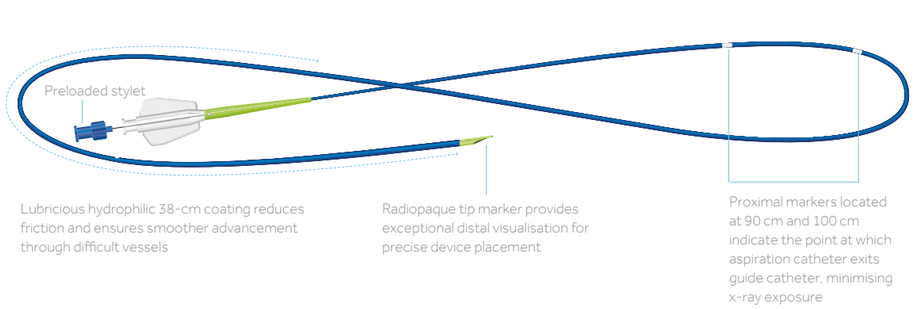
• Supplied sterile • Items per box: 1 • Includes two syringes, one filter cup and extension line with stopcock.

PRODUCT DESCRIPTION

The Export Advance™ aspiration catheter features a preloaded stylet and manual locking syringe to remove embolic material throughout the arterial system.

FEATURES

- Full Wall Variable Braiding Technology shaft construction
- Preloaded stylet
- Buddy wire compatibility
- Large extraction lumen (0.044" proximal; 0.043" distal)
- Soft, short, forward-facing tip



TECHNICAL INFORMATION

Distal O.D. (in.)	0.067
Lumen I.D. (in.)	0.043 (distal), 0.044 (proximal)
Length (cm)	140
Braiding	Variable, hub to tip
Tip design	Soft, short, beveled tip
Coating	Hydrophilic (38 cm)
Syringe (cc)	2 x 30
Product code	ADVANCECE

ASPIRATION CATHETERS

Export™ AP

GENERAL CHARACTERISTICS

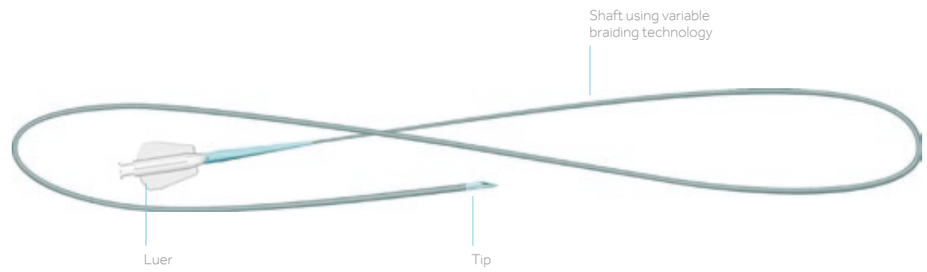
• Supplied sterile • Items per box: 1 • Includes two syringes, one filter cup and extension line with stopcock.

PRODUCT DESCRIPTION

The Export™ AP aspiration catheter uses a manual locking syringe to remove embolic material throughout the arterial system.

FEATURES

- Full Wall Variable Braiding Technology shaft construction
- Extended hydlophilic coating (40 cm)
- Forward-facing atraumatic tip



TECHNICAL INFORMATION

Lumen I.D. (in.)	0.043
Lumen O.D. (in.)	0.068
Guide catheter compatibility (in.)	6F (min ID 0.070)
Guide wire compatibility (in.)	0.014
Delivery System	Rapid Exchange
Length (cm)	140
Radio-opaque marker	1.5 mm from distal tip
Product code	EXPORTAPCE

ASPIRATION
CATHETERS

Export™ 7 F

GENERAL CHARACTERISTICS

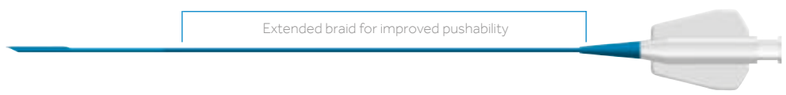
- Supplied sterile.
- Includes two syringes and two filters.

PRODUCT DESCRIPTION

The Export™ Aspiration Catheter uses a manual locking syringe to remove embolic material throughout the arterial system. Export™ 7 French delivers double the aspiration power.

FEATURES

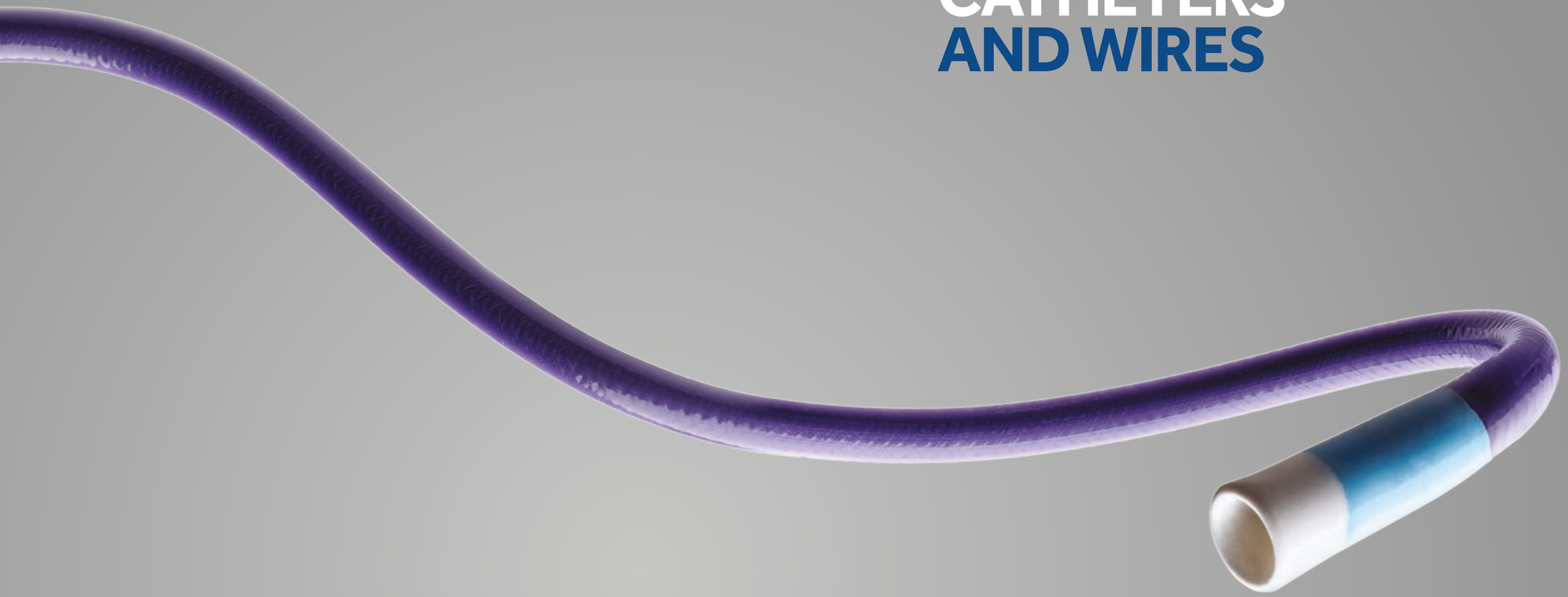
- Distal lumen (in.) 0.050
- Lumen O.D. (in) 0.078
- Guide catheter compatibility (in.) 7F (min ID 0.080)



TECHNICAL INFORMATION

PRODUCT CODE	GUIDE COMPATIBILITY (IN.)	WIRE COMPATIBILITY (IN.)	LENGTH (CM)
GEZ62007B	7F min. guide I.D. 0.080	0.014	145

ANGIOGRAPHIC CATHETERS AND WIRES



CORONARY DIAGNOSTIC CATHETERS

DxTerity™

PRODUCT DESCRIPTION

Features Full-Wall Technology: a proprietary extrusion process that melts layers together to form a solid shaft. This construction process is applied from hub to tip, providing the DxTerity diagnostic catheter with superior torque and lubricity for precise manipulation and enhanced deliverability.

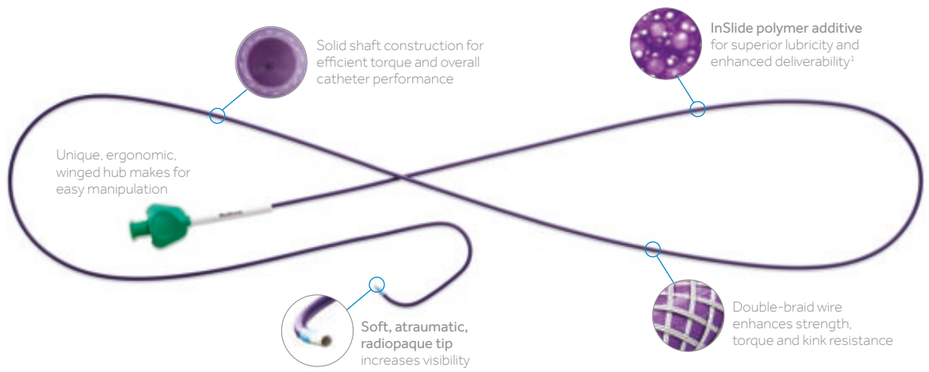
PRODUCT FEATURES

Enhanced deliverability:
- InSlide™ polymer additive for superior lubricity to reduce friction and enhance deliverability

Precise manipulation:
- Unique, ergonomic, winged hub design for easy manipulation
- Double-braid wire applied from hub to tip enhances strength, torque and kink resistance

Excellent image quality:
- Soft, atraumatic radiopaque tip allows for increased visibility
- Large lumen enables high flow of contrast media to increase visualization

Broad catheter portfolio:
- Optimized for both radial and femoral procedures
- Wide range of shapes and sizes
- Includes expanded offerings of long (125 cm) lengths



TECHNICAL SPECIFICATIONS

	5F		6F	
Catheter O.D. (in)	0.066		0.079	
Lumen I.D. (in)	0.047		0.056	
Braiding	Hub to tip		Hub to tip	
Dye flow rate at:	600 psi	1200 psi	600 psi	1200 psi
(mL/sec)	19	27	28	40

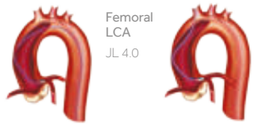
1. Based on bench test data comparing leading competitors. Bench test data may not be indicative of clinical performance.

CORONARY DIAGNOSTIC CATHETERS

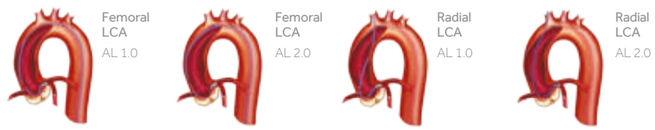
DxTerity™ Standard Curve Selection

LEFT CURVES

Judkins Left
Available in: 3.5, 4.0, 4.5, 5.0, 6.0

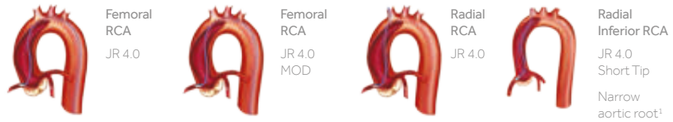


Amplatz Left
Available in: 1.0, 2.0, 3.0

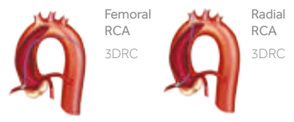


RIGHT CURVES

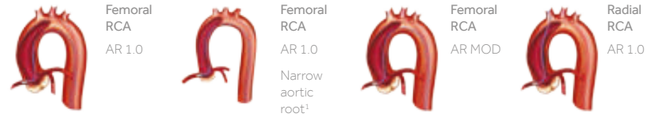
Judkins Right
Available in: 3.5, 4.0, 4.0 ST, 4.0 MOD, 5.0, 6.0



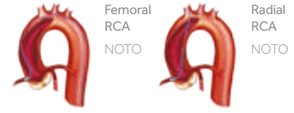
3DRC
One size



Amplatz Right
Available in: 1.0, 2.0, MOD

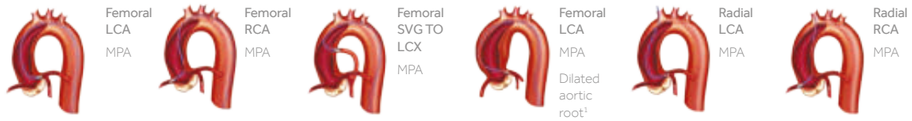


NOTO
One size

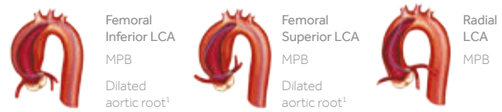


MULTIPURPOSE CURVES

MPA
One size fits all



MPB
One size fits all



Normal anatomy is shown unless otherwise indicated.

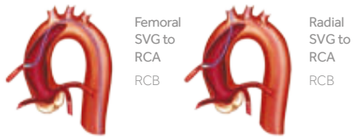
1. In porcine models. Based on preclinical data on file at Medtronic.

CORONARY DIAGNOSTIC CATHETERS

DxTerity™
Standard Curve Selection

BYPASS CURVES

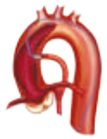
RCB
One size



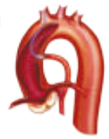
Femoral
SVG to
RCA
RCB

Radial
SVG to
RCA
RCB

LCB
One size

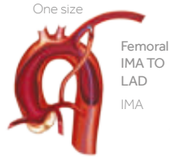


Femoral
SVG to
LCX
LCB

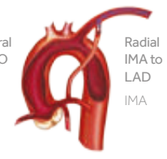


Radial
SVG to
LCX
LCB

IMA
One size



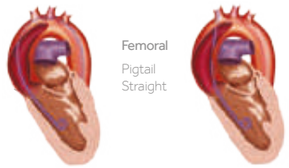
Femoral
IMA TO
LAD
IMA



Radial
IMA to
LAD
IMA

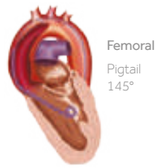
PIGTAIL CURVES

Straight

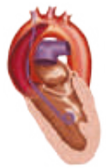


Femoral
Pigtail
Straight

145°

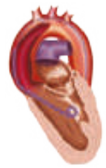


Femoral
Pigtail
145°

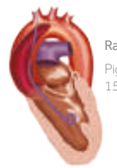


Radial
Pigtail
145°

155°



Femoral
Pigtail
155°



Radial
Pigtail
155°

CORONARY DIAGNOSTIC CATHETERS

DxTerity™
Universal Radial Curve Selection

UNIVERSAL RADIAL CURVES

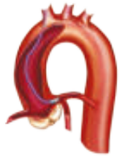
TRApease curve
Relaxed secondary curve allows for easy engagement of the coronary artery ostia. Includes additional tertiary curve for additional support.

TRAnsformer curve
Provides excellent support from the ortic root and offers more reach to engage thcoronary artery ostia.

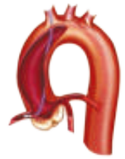
TRActive curve
30-degree soft tip after the primary curve, allowing it to engage the coronary artery ostia.

TRAcker curve
Provides excellent support from the contrateral wall and aortic root leverage.

TRApease Curve
Available in: 3.5, 4.0, 4.5

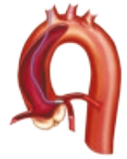


Radial
LCA
TRApease
4.0

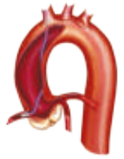


Radial
RCA
TRApease
4.0

TRAnsformer Curve
Available in: 3.5, 4.0, 4.5

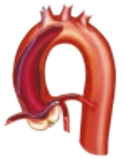


Radial
LCA
TRAnsformer
3.5

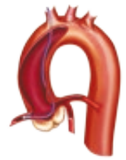


Radial
RCA
TRAnsformer
3.5

TRActive Curve
One size fits all

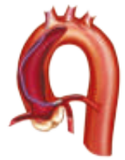


Radial
LCA
TRActive

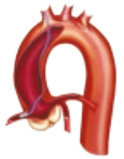


Radial
RCA
TRActive

TRAcker Curve
One size fits all



Radial
LCA
TRAcker



Radial
RCA
TRAcker

1. Normal aortic root, 3.5–4.0 cm; narrow aortic root, <3.5 cm; dilated aortic root > 4.0 cm.

CORONARY DIAGNOSTIC CATHETERS

DxTerity™ Standard Curves

GENERAL CHARACTERISTICS

- 5 catheters per box
- Supplied sterile
- Color-coded hub and packaging
- Maximum guidewire: 5F = 0.038"; 6 F = 0.038"

PRODUCT DESCRIPTION

Features Full-Wall Technology: a proprietary extrusion process that melts layers together to form a solid shaft. This construction process is applied from hub to tip, providing the DxTerity diagnostic catheter with superior torque and lubricity for precise manipulation and enhanced deliverability.

PRODUCT CODE

DXT5MPASHA

- Length
- Sidehole
- Curve Style
- French Size
- Product Code

ORDERING INFORMATION

CURVE STYLE	CURVE SIZE	LENGTH (CM)	5F PRODUCT CODE	6F PRODUCT CODE	SIDEHOLES
Judkins Left	JL3.5	100	DXT5JL35	DXT6JL35	0
	JL4.0	100	DXT5JL40	DXT6JL40	0
	JL4.0	125	DXT5JL40X	DXT6JL40X	0
	JL4.5	100	DXT5JL45	DXT6JL45	0
	JL4.5	125	DXT5JL45X	DXT6JL45X	0
	JL5.0	100	DXT5JL50	DXT6JL50	0
	JL5.0	125	DXT5JL50X	DXT6JL50X	0
	JL6.0	100	DXT5JL60	DXT6JL60	0
Judkins Right	JR3.5	100	DXT5JR35	DXT6JR35	0
	JR3.5	125	DXT5JR35X	DXT6JR35X	0
	JR4.0	100	DXT5JR40	DXT6JR40	0
	JR4.0	125	DXT5JR40X	DXT6JR40X	0
	JR4.0 MOD	100	DXT5JR4M	DXT6JR4M	0
	JR4.0 ST	100	DXT5JR4ST	DXT6JR4ST	0
	JR5.0	100	DXT5JR50	DXT6JR50	0
	JR5.0	125	DXT5JR50X	DXT6JR50X	0
	JR6.0	100	DXT5JR60	DXT6JR60	0
Amplatz Left	AL1.0	100	DXT5AL10	DXT6AL10	0
	AL2.0	100	DXT5AL20	DXT6AL20	0
	AL3.0	100	DXT5AL30	DXT6AL30	0
Amplatz Right	AR1.0	100	DXT5AR10	DXT6AR10	0
	AR2.0	100	DXT5AR20	DXT6AR20	0
	AR MOD	100	DXT5ARM	DXT6ARM	0
Multipurpose	MPA	100	DXT5MPA	DXT6MPA	0
	MPA	110	DXT5MPAA	DXT6MPAA	0
	MPA	100	DXT5MPASH	DXT6MPASH	2
	MPA	110	DXT5MPASHA	DXT6MPASHA	2
	MPB	100	DXT5MPB	DXT6MPB	0
	MPB	110	DXT5MPBA	DXT6MPBA	0
	MPB	100	DXT5MPBSH	DXT6MPBSH	2
	MPB	110	DXT5MPBSHA	DXT6MPBSHA	2
Specialty	NOTO	100	DXT5NOTO	DXT6NOTO	0
	3DRC	100	DXT53DRC	DXT63DRC	0
	RCB	100	DXT5RCB	DXT6RCB	0
	LCB	100	DXT5LCB	DXT6LCB	0
	IMA	100	DXT5IMA	DXT6IMA	0
Pigtails	PIG STR	110CM	DXT5PIGSTA	DXT6PIGSTA	6
	PIG STR	125CM	DXT5PIGSTX	DXT6PIGSTX	6
	PIG 145	110CM	DXT5PIG45A	DXT6PIG45A	6
	PIG 155	110CM	DXT5PIG55A	DXT6PIG55A	6

CORONARY DIAGNOSTIC CATHETERS

Packaging options for DxTerity™ Angio-kits Standard curve

GENERAL CHARACTERISTICS

- 5 catheters per box
- Supplied sterile
- Maximum guidewire: 5F = 0.038"; 6 F = 0.038"

PRODUCT DESCRIPTION

Angio-kit contains:

- One Judkins Left 4.0 catheter (JL4.0)
- One Judkins Right 4.0 catheter (JR 4.0)
- One Straight or Angled Pigtail catheter

ORDERING INFORMATION

PRODUCT CODE	CURVES	LENGTH (CM)	SIZE
AKSTAN501	Judikins Left 4.0	100	5F
	Judkins Right 4.0	100	5F
	Straight Pigtail	110	5F
AKSTAN502	Judikins Left 4.0	100	5F
	Judkins Right 4.0	100	5F
	145 Pigtail	110	5F
AKSTAN601	Judikins Left 4.0	100	6F
	Judkins Right 4.0	100	6F
	Straight Pigtail	110	6F
AKSTAN602	Judikins Left 4.0	100	6F
	Judkins Right 4.0	100	6F
	145 Pigtail	110	6F

CORONARY DIAGNOSTIC CATHETERS

DxTerity™ Universal Radial Curves

GENERAL CHARACTERISTICS

▪ 5 catheters per box ▪ Supplied sterile ▪ Color-coded hub and packaging ▪ Maximum guidewire: 5F = 0.038"; 6 F = 0.038"

PRODUCT DESCRIPTION

Features Full-Wall Technology: a proprietary extrusion process that melts layers together to form a solid shaft. This construction process is applied from hub to tip, providing the DxTerity diagnostic catheter with superior torque and lubricity for precise manipulation and enhanced deliverability.

DxTerity™ TRA diagnostic catheters are specifically adapted for radial use, offering four universal radial curve shapes to engage both coronaries without catheter exchange.

PRODUCT CODE

ORDERING INFORMATION

CURVE STYLE	CURVE SIZE	LENGTH (CM)	5F PRODUCT CODE	6F PRODUCT CODE	SIDEHOLES
TRApease	TRAP 3.5	100	U5TRAP35	U6TRAP35	0
	TRAP 3.5	100	U5TRAP35SH	U6TRAP35SH	2
	TRAP 3.5	110	U5TRAP35SHA	U6TRAP35SHA	2
	TRAP 4.0	100	U5TRAP40	U6TRAP40	0
	TRAP 4.0	100	U5TRAP40SH	U6TRAP40SH	2
	TRAP 4.0	110	U5TRAP40SHA	U6TRAP40SHA	2
	TRAP 4.5	100	U5TRAP45	U6TRAP45	0
	TRAP 4.5	100	U5TRAP45SH	U6TRAP45SH	2
	TRAP 4.5	110	U5TRAP45SHA	U6TRAP45SHA	2
TRAnsformer	TRAN 3.5	100	U5TRAN35	U6TRAN35	0
	TRAN 3.5	100	U5TRAN35SH	U6TRAN35SH	2
	TRAN 3.5	110	U5TRAN35SHA	U6TRAN35SHA	2
	TRAN 4.0	100	U5TRAN40	U6TRAN40	0
	TRAN 4.0	100	U5TRAN40SH	U6TRAN40SH	2
	TRAN 4.0	110	U5TRAN40SHA	U6TRAN40SHA	2
	TRAN 4.5	100	U5TRAN45	U6TRAN45	0
	TRAN 4.5	100	U5TRAN45SH	U6TRAN45SH	2
	TRAN 4.5	110	U5TRAN45SHA	U6TRAN45SHA	2
TRAcker	TRACK	100	U5TRACK	U6TRACK	0
	TRACK	100	U5TRACKSH	U6TRACKSH	2
	TRACK	110	U5TRACKSHA	U6TRACKSHA	2
TRActive	TRACT	100	U5TRACT	U6TRACT	0
	TRACT	100	U5TRACTSH	U6TRACTSH	2
	TRACT	110	U5TRACTSHA	U6TRACTSHA	2

CORONARY DIAGNOSTIC CATHETERS

Packaging options for DxTerity™ Angio-kits Universal Radial Curves

GENERAL CHARACTERISTICS

▪ 5 catheters per box ▪ Supplied sterile ▪ Maximum guidewire: 5F = 0.038"; 6 F = 0.038"

PRODUCT DESCRIPTION

Angio-kit contains:

- One Universal Radial Curve with sideholes (TRAP4.0 o TRAN3.5)
- One Straight or Angled Pigtail catheter

ORDERING INFORMATION

PRODUCT CODE	CURVES	LENGTH (CM)	SIZE
AKUNIV501	TRApease 4.0 SH	100	5F
	Straight Pigtail	110	5F
AKUNIV502	TRApease 4.0 SH	100	5F
	145 Pigtail	110	5F
AKUNIV503	TRAnsformer 3.5 SH	100	5F
	Straight Pigtail	110	5F
AKUNIV504	TRAnsformer 3.5 SH	100	5F
	145 Pigtail	110	5F
AKUNIV601	TRApease 4.0 SH	100	6F
	Straight Pigtail	110	6F
AKUNIV602	TRApease 4.0 SH	100	6F
	145 Pigtail	110	6F
AKUNIV603	TRAnsformer 3.5 SH	100	6F
	Straight Pigtail	110	6F
AKUNIV604	TRAnsformer 3.5 SH	100	6F
	145 Pigtail	110	6F

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style A Standard

GENERAL CHARACTERISTICS

- Supplied sterile
- Maximum guidewire:7F, 7,5F and 8F standard: 0.035" 7F and 8 F Hi-Flow: 0.038"
- Items per box: 10

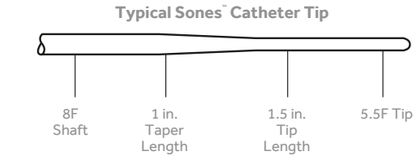
PRODUCT DESCRIPTION

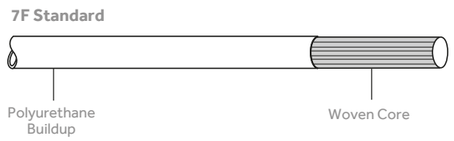
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

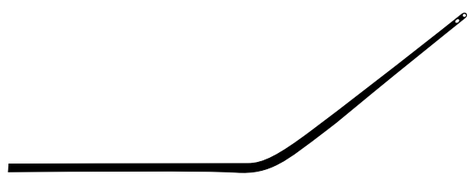
Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.







CURVE STYLE A STANDARD

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
007764	7	80	1.5	0.036	Extra stiffness—tip & shaft
007536	7	100	1.5	0.036	

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style A Hi-Flow

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10
- All tips taper to 5.5F

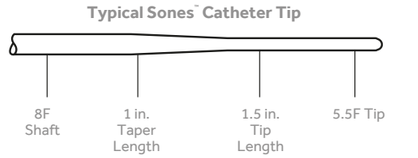
PRODUCT DESCRIPTION

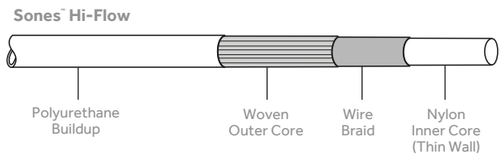
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

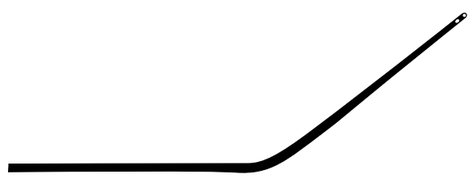
Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.







CURVE STYLE A HI-FLOW

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
008976	7	80	1.5	0.040	
008977	7	100	1.5	0.040	
008718	8	80	1.5	0.040	
008971	8	100	1.5	0.040	

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style A Standard Nylon Core

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10
- All tips taper to 5.5F

PRODUCT DESCRIPTION

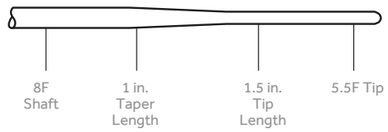
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

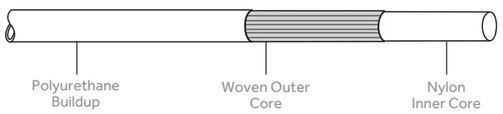
- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

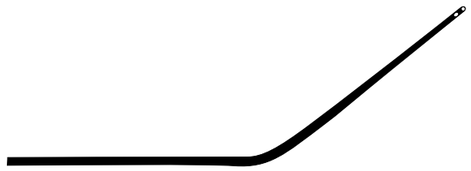
Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.

Typical Sones™ Catheter Tip



8F Standard Nylon Core





CURVE STYLE A STANDARD NYLON CORE

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
007538	8	80	1.5	0.036	
007539	8	100	1.5	0.036	
007766	8	80	1.5	0.036	Extra stiffness—tip & shaft
007540	8	125	1.5	0.036	

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style A Positrol™ Nylon Core

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10
- All tips taper to 5.5F

PRODUCT DESCRIPTION

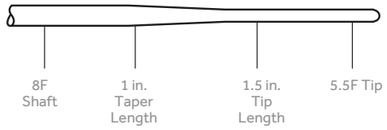
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

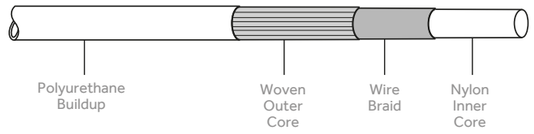
- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

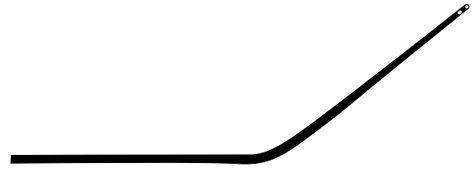
Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.

Typical Sones™ Catheter Tip



Sones™ Positrol™ Nylon Core





CURVE STYLE A POSITROL™ NYLON CORE

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
008541	7.5	100	1.5	0.036	Extra stiffness—shaft

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style B Standard

GENERAL CHARACTERISTICS

- Supplied sterile. • Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10 • All tips taper to 5.5F

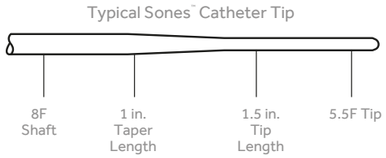
PRODUCT DESCRIPTION

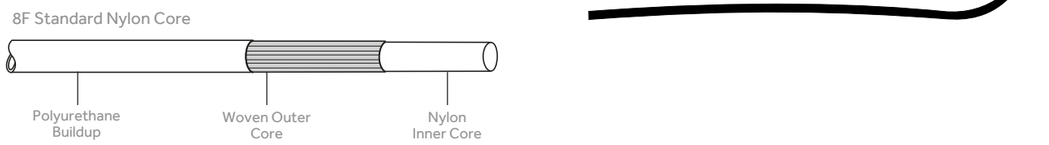
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.





CURVE STYLE B STANDARD

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
007548	7	100	1.5	0.036	

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style B Hi-Flow

GENERAL CHARACTERISTICS

- Supplied sterile. • Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10 • All tips taper to 5.5F

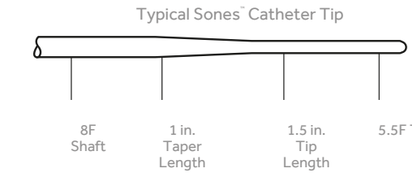
PRODUCT DESCRIPTION

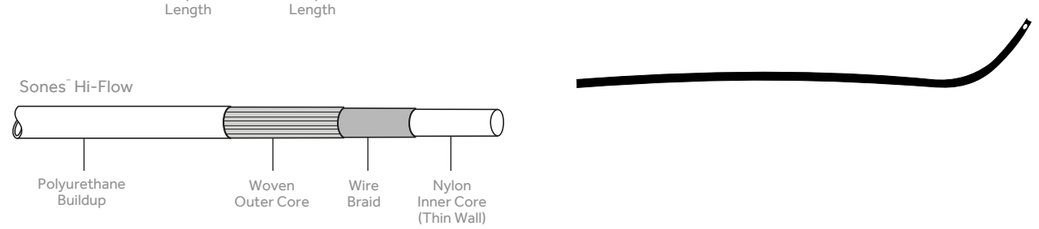
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.





CURVE STYLE B HI-FLOW

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
008978	7	80	1.5	0.040	
008979	7	100	1.5	0.040	
008719	8	80	1.5	0.040	

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style B Standard Nylon Core

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10
- All tips taper to 5.5F

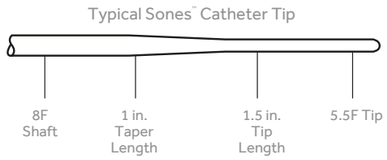
PRODUCT DESCRIPTION

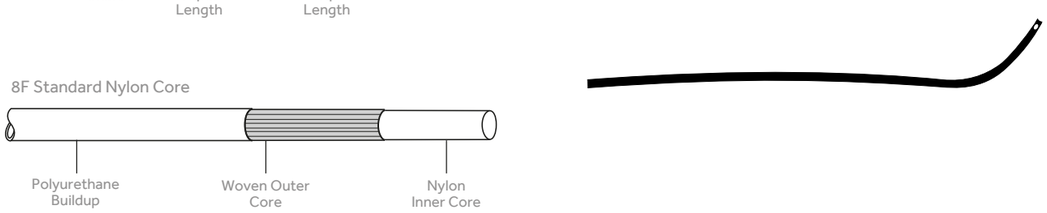
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.





CURVE STYLE B STANDARD NYLON CORE

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
007550	8	80	1.5	0.036	
007551	8	100	1.5	0.036	

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style B Positrol™ Woven Core

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10
- All tips taper to 5.5F

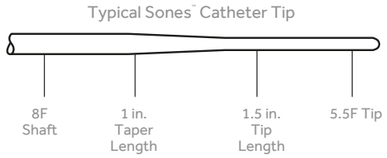
PRODUCT DESCRIPTION

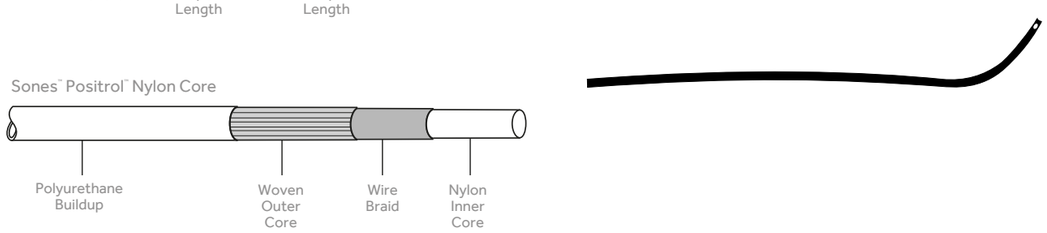
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.





CURVE STYLE B POSITROL™ WOVEN CORE

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
007561	7.5	80	1.5	0.036	Wire-reinforced
007562	7.5	100	1.5	0.036	Wire-reinforced

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style B Positrol™ Nylon Core

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10
- All tips taper to 5.5F

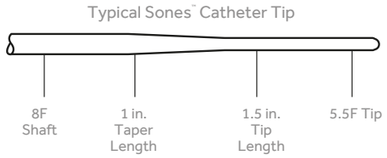
PRODUCT DESCRIPTION

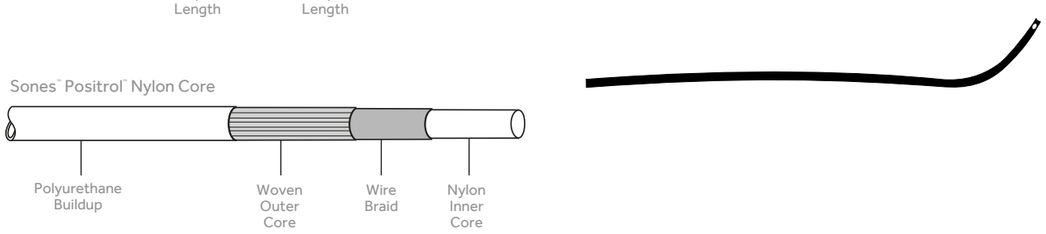
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.





CURVE STYLE B POSITROL™ NYLON CORE

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
008554	7.5	100	1.5	0.036	Extra stiffness—shaft

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style C Hi-Flow

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10
- All tips taper to 5.5F

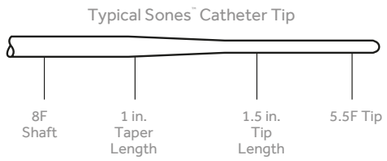
PRODUCT DESCRIPTION

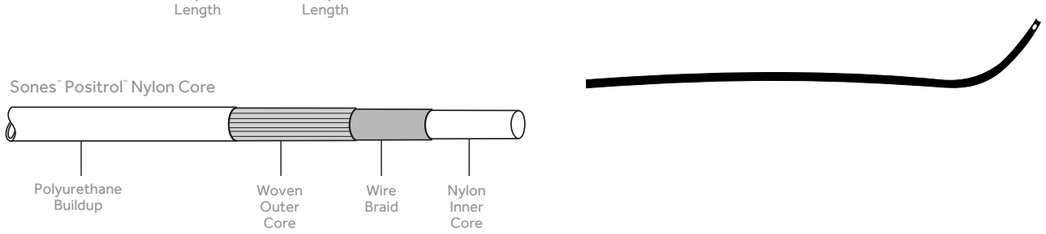
The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.





CURVE STYLE C HI-FLOW

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
008980	7	80	1.5	0.040	
008981	7	100	1.5	0.040	
008720	8	80	1.5	0.040	

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Curve Style C Positrol™ Nylon Core

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10
- All tips taper to 5.5F

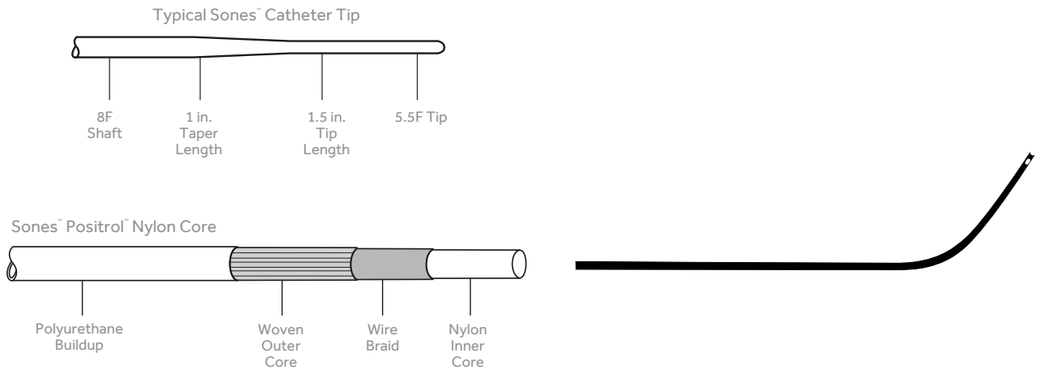
PRODUCT DESCRIPTION

The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.



CURVE STYLE C POSITROL™ NYLON CORE

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
008538	7.5	80	1.5	0.036	
008539	7.5	100	1.5	0.036	
008356	8	80	1.5	0.036	Standard nylon core

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Brachial LTX-S

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10
- All tips taper to 5.5F

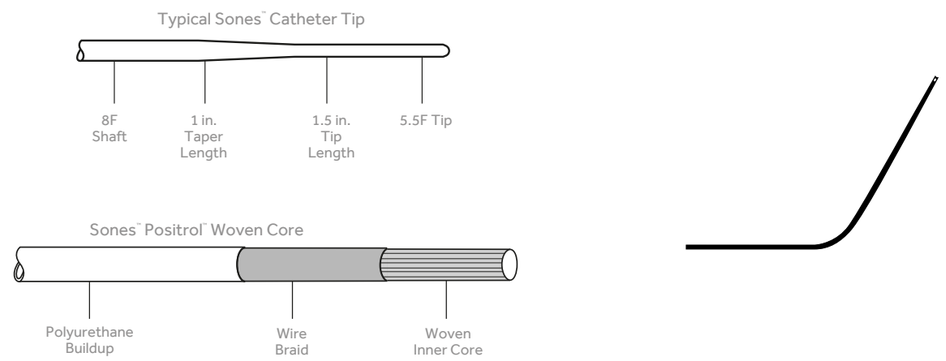
PRODUCT DESCRIPTION

The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.



BRACHIAL LTX-S

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
007770	8	80	Long tip	0.036	
007771	8	100	Long tip	0.036	

ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters
Standard Nylon Core

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"

▪ Items per box: 10 ▪ All tips taper to 5.5F

PRODUCT DESCRIPTION

The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

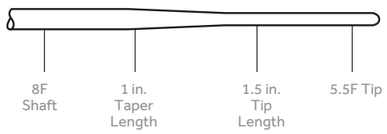
Two Unique Design Features:

▪ The woven core provides excellent torque control.

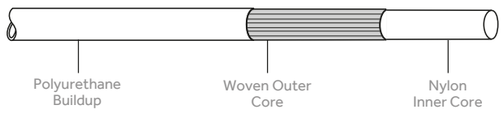
▪ The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.

Typical Sones™ Catheter Tip



8F Standard Nylon Core



STANDARD NYLON CORE

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	TIP LENGTH (IN.)	MINIMUM TIP I.D. (IN.)	COMMENTS
008358	8	80	1.5	0.036	Straight tip
008359	8	100	1.5	0.036	Straight tip

ANGIOGRAPHIC CATHETERS

NIH
Woven Coronary catheters High-Volume

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Items per box: 10 ▪ Nylon core ▪ Closed end ▪ Six sideholes ▪ Thin-wall construction

PRODUCT DESCRIPTION

The NIH catheter is designed with a thin wall and nylon core construction to provide maximum flow rates and catheter stability.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricles, pulmonary vasculature and the great veins.

NIH

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	LENGTH (CM)
001348 🚹	5	Thin wall	50
001353 🚹	6	Thin wall	80

🚹 Pediatric item

ANGIOGRAPHIC CATHETERS

Pediatric NIH
Woven Coronary catheters High-Volume

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Items per box: 10 ▪ Closed end ▪ Six sideholes (4F catheter has four sideholes) ▪ Thin-wall construction

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility.

The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

PEDIATRIC NIH

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	SIDEHOLES	LENGTH (CM)
001375	4	Thin wall	4	50
001377	5	Thin wall	6	50
001378	5	Thin wall	6	80
001380	6	Thin wall	6	50
001381	6	Thin wall	6	80
001382	6	Thin wall	6	100

Pediatric item

ANGIOGRAPHIC CATHETERS

Pediatric NIH with Cardio-Marker Image Bands
Woven Coronary catheters High-Volume

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Items per box: 5 ▪ Closed end ▪ Six sideholes ▪ Thin-wall construction ▪ Band width: 1mm

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility. The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

Bandwidth: 1 mm;two marker bands 1 cm apart +-0.5 mm (leading edge to leading edge)

PEDIATRIC NIH WITH CARDIO-MARKER IMAGE BANDS

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	LENGTH (CM)
010010	5	Thin wall	010010 - 65
010011	6	Thin wall	010011 - 80
010012	7	Thin wall	010012 - 80

Pediatric item

ANGIOGRAPHIC CATHETERS

Pediatric Curved NIH
Woven Coronary catheters High-Volume

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Items per box: 10 ▪ Closed end ▪ Six sideholes ▪ Thin-wall construction

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility.

The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

PEDIATRIC CURVED NIH

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	LENGTH (CM)
008761 🚹	5	Thin wall	65
008762 🚹	6	Thin wall	65
008763 🚹	7	Thin wall	80

🚹 Pediatric item

ANGIOGRAPHIC CATHETERS

Lehman™ Ventriculography
Woven Coronary catheters High-Volume

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Items per box: 10 ▪ Closed end ▪ Four sideholes ▪ Thin-wall construction

PRODUCT DESCRIPTION

J.S. Lehman, MD, developed the Lehman™ ventriculography catheter. This catheter is specifically designed to be placed easily into the left ventricle via the aorta. The flexible, tapered distal tip is slightly curved to assist passage through the aortic valve and to sit freely in the contour of the left ventricle.

The location of the four sideholes enables the angiographer to record proximal aortic pressures without removing the tip from the aortic valve. This catheter provides excellent flow rates and catheter stability due to its thin-wall construction.

LEHMAN™ VENTRICULOGRAPHY

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	LENGTH (CM)	COMMENTS
001415	7	Thin wall	100	Closed end

ANGIOGRAPHIC CATHETERS

Gensini™ Catheter
Woven Coronary Catheters High-Volume

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 10 • Open end • Six sideholes • Thin-wall construction

PRODUCT DESCRIPTION

Goffredo G. Gensini, MD, is responsible for the first designed catheter with an open end hole. This catheter has a tapered tip that fits securely over a guidewire for percutaneous introduction.

The six sideholes and thin-wall construction provide maximum flow rates. The catheter is used for aortic, ventricular, pulmonary, and large-venous contrast studies.

GENSINI™ PERCUTANEOUS

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	MINIMUM TIP I.D. (IN.)	LENGTH (CM)	COMMENTS
001323 🚹	5	Thin wall	0.026	100	Use with 0.025 in. guidewire
001339 🚹	6	Thin wall	0.036	80	Use with 0.035 in. guidewire

🚹 Pediatric item

ANGIOGRAPHIC CATHETERS

Gensini™ Catheter
Woven Coronary catheters General Purpose and Transvalvular

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 10 • Open end • No sideholes • Standard wall construction

PRODUCT DESCRIPTION

Designed by Andre Cournand, MD, in 1939, the Cournand™ Catheter was the first to be manufactured specifically for use in the heart. The gradually curved tip facilitates easy access to the right heart. The Cournand™ catheter is used for blood sampling and pressure measurements.

The general construction of these catheters consists of a woven outer core and a high-density polyurethane coating.

COURNAND™ CATHETER

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	MINIMUM TIP I.D. (IN.)	LENGTH (CM)
001433	6	Standard wall	0.036	100
001434	6	Standard wall	0.036	125
007455	7	Standard wall	0.046	100
007456	7	Standard wall	0.046	125

ANGIOGRAPHIC CATHETERS

Lehman™ Catheter
Woven Coronary catheters General Purpose and Transvalvular

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 10 • Open end • No sideholes • Thin-wall construction

PRODUCT DESCRIPTION

J.S. Lehman, MD, designed a catheter for right heart studies similar to the Cournand™ catheter. However, the Lehman™ catheter has a thin-wall construction that maximizes catheter flexibility and flow rates.

The general construction of these catheters consists of a woven outer core and a high-density polyurethane coating.

LEHMAN™ CATHETER

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	MINIMUM TIP I.D. (IN.)	LENGTH (CM)
001253 🚹	5	Thin wall	0.032	50
001254 🚹	5	Thin wall	0.032	80
001263	7	Thin wall	0.055	100
001264	7	Thin wall	0.055	125

🚹 Pediatric item

ANGIOGRAPHIC CATHETERS

Goodale-Lubin™ Catheter
Woven Coronary catheters General Purpose and Transvalvular

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 10 • Open end • Two laterally opposed sideholes. • Thin-wall or standard-wall construction.

PRODUCT DESCRIPTION

The general construction of these catheters consists of a woven outer core and a high-density polyurethane coating.

Walter T. Goodale, MD, and Martin Lubin, MD, developed standard-wall and thin-wall catheters similar to the Cournand™ and Lehman™ catheters in construction and tip curve.

The additional feature of the Goodale-Lubin™ catheter is the two laterally opposed sideholes just proximal to the tip for improved disbursement of contrast during right heart angiography.

Thin Wall

Standard Wall

GOODALE-LUBIN™ CATHETER

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	MINIMUM TIP I.D. (IN.)	LENGTH (CM)
001279 🚹	5	Thin wall	0.032	80
001453 🚹	5	Standard wall	0.026	50
001284	6	Thin wall	0.043	100
001288	7	Thin wall	0.055	100
007459	7	Standard wall	0.046	100
007460	7	Standard wall	0.046	125

🚹 Pediatric item

ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Fixed Core
Straight Tip

GENERAL CHARACTERISTICS

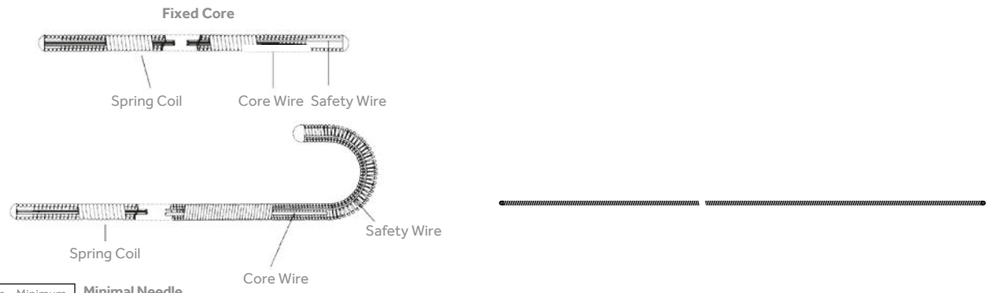
▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the fixed core wires. This 'J' tip can be "fingertip-straightened" from virtually any point of the wire shaft. This built-in convenience eliminates the need for a 'J' straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



Minimal Needle Size Compatability

Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

STRAIGHT TIP

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)	COMMENTS
007468	0.035/0.9	145	Extra long taper core 15 cm
007643	0.038/1.0	145	Extra long taper core 15 cm
007467	0.035/0.9	145	Long taper core 10 cm
007642	0.038/1.0	145	Long taper core 10 cm
007641	0.025/0.6	120	Standard taper core 6 cm
010387	0.025/0.6	145	Standard taper core 6 cm
007644	0.032/0.8	120	Standard taper core 6 cm
007645	0.032/0.8	145	Standard taper core 6 cm
007045	0.035/0.9	120	Standard taper core 6 cm
007046	0.035/0.9	145	Standard taper core 6 cm
008629	0.035/0.9	175	Standard taper core 6 cm
007048	0.038/1.0	145	Standard taper core 6 cm

ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Fixed Core
1.5-mm 'J' Tip

GENERAL CHARACTERISTICS

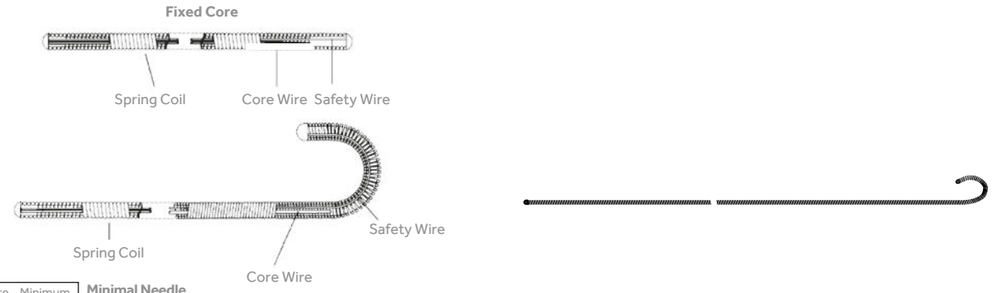
▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the fixed core wires. This 'J' tip can be "fingertip-straightened" from virtually any point of the wire shaft. This built-in convenience eliminates the need for a 'J' straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



Minimal Needle Size Compatability

Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

1.5-MM 'J' TIP

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)	COMMENTS
008944	0.035/0.9	175	Rosen guidewire
008945	0.038/1.0	175	Rosen guidewire

ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Fixed Core
3-mm ‘J’ Tip

GENERAL CHARACTERISTICS

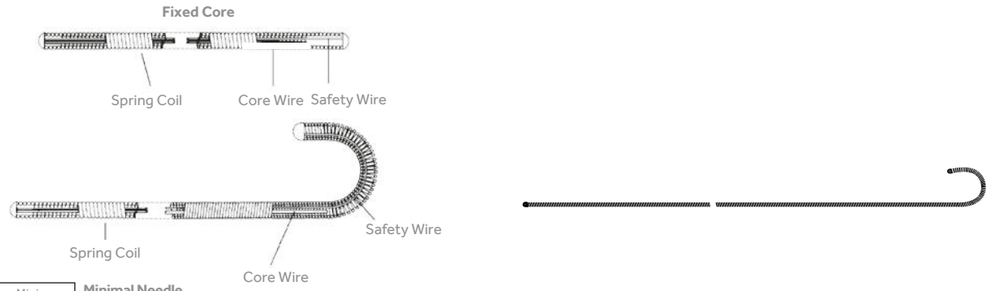
▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique ‘J’ tip configuration is available on the fixed core wires. This ‘J’ tip can be “fingertip-straightened” from virtually any point of the wire shaft. This built-in convenience eliminates the need for a ‘J’ straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and ‘J’. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

Minimal Needle Size Compatability

3-MM ‘J’ TIP

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)	COMMENTS
010388	0.025/0.6	145	Standard taper core 6 cm
008952	0.028/0.7	145	Standard taper core 6 cm
008953	0.032/0.8	145	Standard taper core 6 cm
007041	0.035/0.9	120	Standard taper core 6 cm
007042	0.035/0.9	145	Standard taper core 6 cm
008627	0.035/0.9	175	Standard taper core 6 cm
007044	0.038/1.0	145	Standard taper core 6 cm
008628	0.038/1.0	175	Standard taper core 6 cm
010003	0.035/0.9	145	Long taper core 10 cm
010004	0.038/1.0	145	Long taper core 10 cm

ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Fixed Core
6-mm ‘J’ Tip

GENERAL CHARACTERISTICS

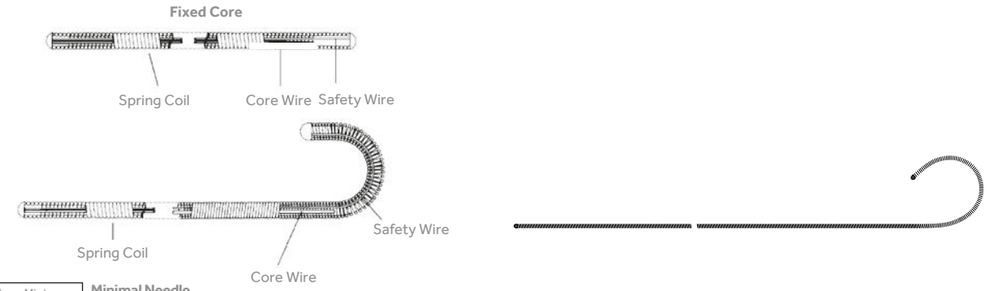
▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique ‘J’ tip configuration is available on the fixed core wires. This ‘J’ tip can be “fingertip-straightened” from virtually any point of the wire shaft. This built-in convenience eliminates the need for a ‘J’ straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and ‘J’. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

Minimal Needle Size Compatability

6-MM ‘J’ TIP

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)	COMMENTS
007441	0.035/0.9	145	Standard taper core 6 cm
007443	0.038/1.0	145	Standard taper core 6 cm

ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Fixed Core 15-mm 'J' Tip

GENERAL CHARACTERISTICS

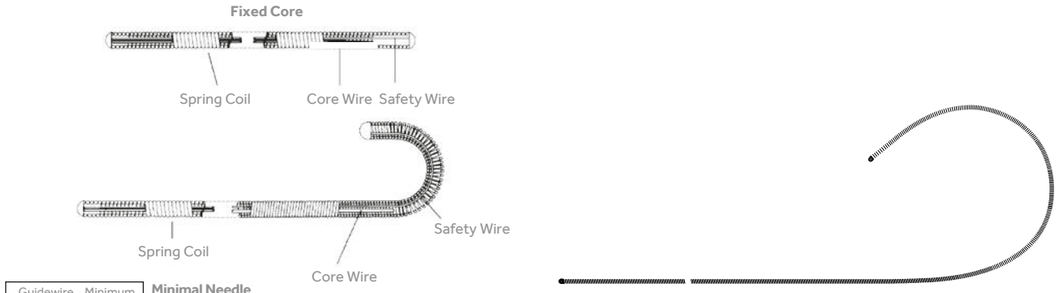
▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the fixed core wires. This 'J' tip can be "fingertip-straightened" from virtually any point of the wire shaft. This built-in convenience eliminates the need for a 'J' straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



Minimal Needle Size Compatability

Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

15-MM 'J' TIP

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)	COMMENTS
007471	0.035/0.9	145	Standard taper core 6 cm
007472	0.038/1.0	145	Standard taper core 6 cm

ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Movable Core Straight Tip

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ Variable stiffness. ▪ Items per box: 10

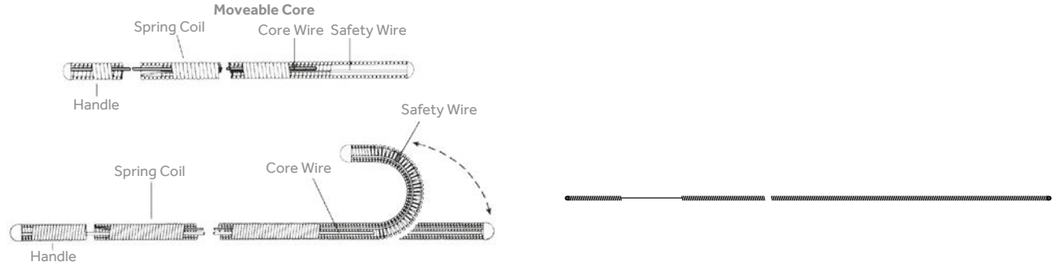
PRODUCT DESCRIPTION

This design allows the wire softness to be adjusted manually by moving the core wire back and forth, allowing the operator to lengthen or shorten at will.

Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the movable core wires. This 'J' tip can be "fingertipstraightened" from virtually any point of the wire shaft.

This built-in convenience eliminates the need for a 'J' straightening tool for wire loading. Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



Minimal Needle Size Compatability

Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

STRAIGHT TIP

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)
007647	0.032/0.8	145
007051	0.035/0.9	145
007053	0.038/1.0	145

ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Movable Core 3-mm ‘J’ Tip

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ Variable stiffness. ▪ Items per box: 10

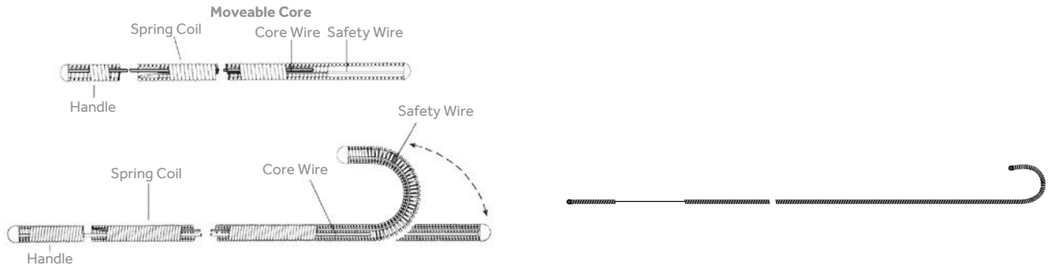
PRODUCT DESCRIPTION

This design allows the wire softness to be adjusted manually by moving the core wire back and forth, allowing the operator to lengthen or shorten at will.

Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique ‘J’ tip configuration is available on the movable core wires. This ‘J’ tip can be “fingertipstraightened” from virtually any point of the wire shaft.

This built-in convenience eliminates the need for a ‘J’ straightening tool for wire loading. Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and ‘J’. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

Minimal Needle Size Compatability

3-MM ‘J’ TIP

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)
007648	0.032/0.8	120
007649	0.032/0.8	145
007446	0.035/0.9	120
007447	0.035/0.9	145
007054	0.038/1.0	145

ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Movable Core 6-mm ‘J’ Tip

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ Variable stiffness. ▪ Items per box: 10

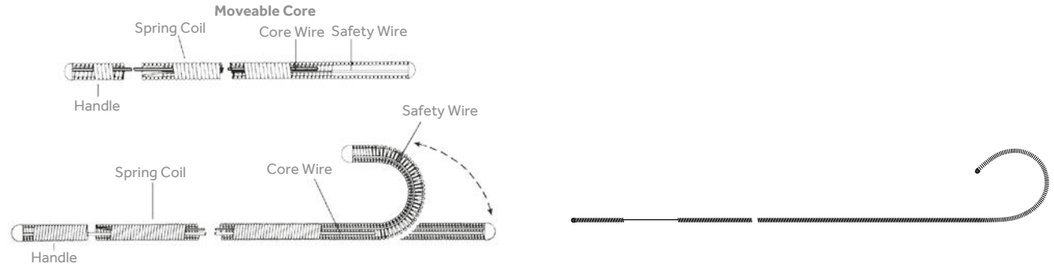
PRODUCT DESCRIPTION

This design allows the wire softness to be adjusted manually by moving the core wire back and forth, allowing the operator to lengthen or shorten at will.

Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique ‘J’ tip configuration is available on the movable core wires. This ‘J’ tip can be “fingertipstraightened” from virtually any point of the wire shaft.

This built-in convenience eliminates the need for a ‘J’ straightening tool for wire loading. Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and ‘J’. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

Minimal Needle Size Compatability

6-MM ‘J’ TIP

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)
007445	0.035/0.9	145

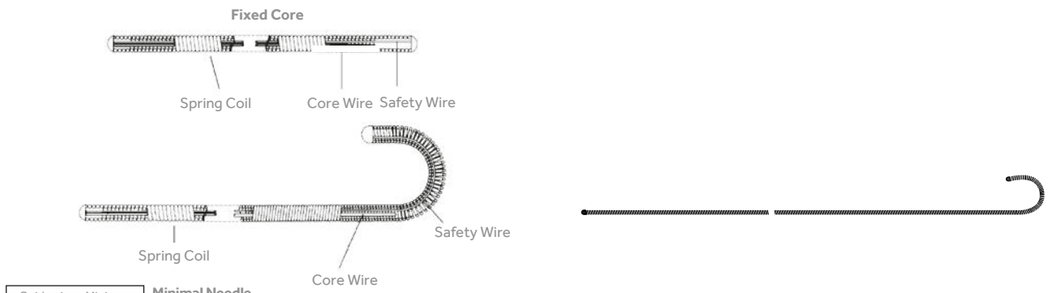
ANGIOGRAPHIC WIRES

Support and Exchange wires
3-mm ‘J’ Tip Exchange Wire: Fixed Core

GENERAL CHARACTERISTICS

• Supplied sterile. • Packaged in coiled hoops. • PTFE coated. • Items per box: 10

PRODUCT DESCRIPTION



Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

Minimal Needle Size Compatability

3-MM ‘J’ TIP EXCHANGE WIRE: FIXED CORE

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)	COMMENTS
008631	0.035/0.9	260	Standard taper core 6 cm
008634	0.038/1.0	260	Standard taper core 6 cm

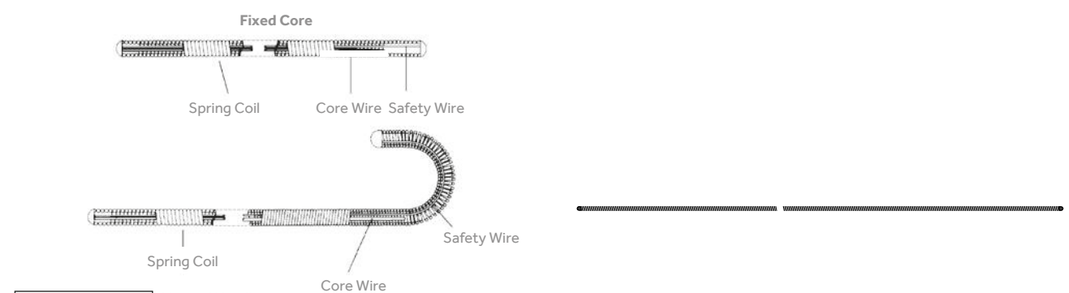
ANGIOGRAPHIC WIRES

Support and Exchange wires
Straight Tip Exchange Wire: Fixed Core

GENERAL CHARACTERISTICS

• Supplied sterile. • Packaged in coiled hoops. • PTFE coated. • Items per box: 10

PRODUCT DESCRIPTION



Guidewire Diameter in./mm	Minimum Needle Size
0.025/0.6	19 gauge
0.032/0.8	18 gauge
0.035/0.9	18 gauge
0.038/1.0	18 gauge
0.045/1.1	16 gauge

Minimal Needle Size Compatability

STRAIGHT TIP EXCHANGE WIRE: FIXED CORE

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)	COMMENTS
008633	0.035/0.9	260	Standard taper core 6 cm
008632	0.038/1.0	260	Standard taper core 6 cm

ANGIOGRAPHIC WIRES

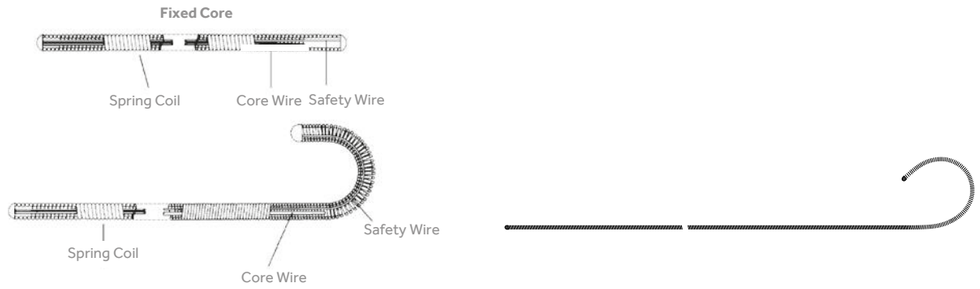
Support and Exchange wires
PTFE-Coated 0.063" Guidewire

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ PTFE coated. ▪ Items per box: 10

PRODUCT DESCRIPTION

For placement of guiding catheter (flexible distal tip, fixed core)



PTFE-COATED 0.063" GUIDEWIRE

PRODUCT CODE	TIP	DIAMETER (IN.)	LENGTH (CM)
008418	6-mm 'J'	0.063	160

ANGIOGRAPHIC WIRES

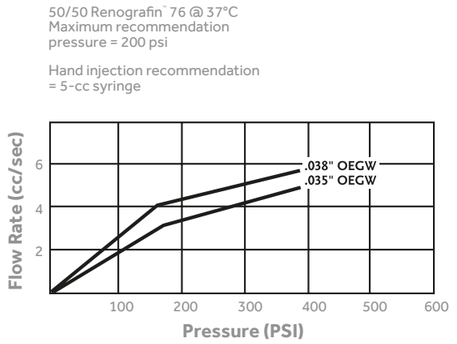
Specialty Guidewires
Sos Open-Ended Guidewire

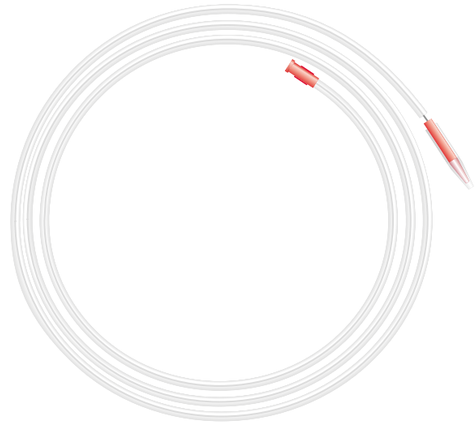
GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ Items per box: 10

PRODUCT DESCRIPTION

Movable/removable core wire is packaged with removable luer lock hub, product code 006210





SOS OPEN-ENDED GUIDEWIRE

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)	COMMENTS
006203	0.035/0.9	145	Standard taper core 6 cm
006200	0.038/1.0	145	Standard taper core 6 cm
006204	0.035/0.9	145	Long taper core 10 cm
006201	0.038/1.0	145	Long taper core 10 cm

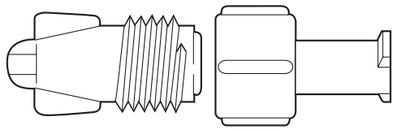
Renografin® is a registered trademark of Olin Mathieson Chemical Corporation.

ANGIOGRAPHIC
WIRES

Specialty Guidewires
Removable Luer Lock Hub

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Items per box: 10



REMOVABLE LUER LOCK HUB

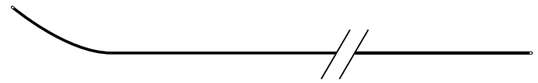
PRODUCT CODE	SIZE IN./MM	FOR USE WITH
006210	Fits all sizes	Sos Open-Ended Guidewire

ANGIOGRAPHIC
WIRES

Specialty Guidewires
Steerable Guidewire with Steering Handle

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ PTFE coated. ▪ Items per box: 5



STEERABLE GUIDEWIRE WITH STEERING HANDLE

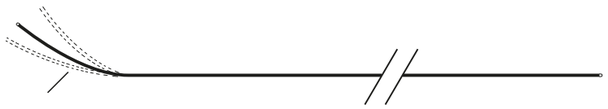
PRODUCT CODE	SIZE IN./MM	LENGTH (CM)	COMMENTS
010037	0.035/0.9	145	3 cm flexible tip
010038	0.038/1.0	145	3 cm flexible tip

ANGIOGRAPHIC WIRES

Specialty Guidewires
Softwire

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Packaged in coiled hoops. ▪ PTFE coated. ▪ Items per box: 10

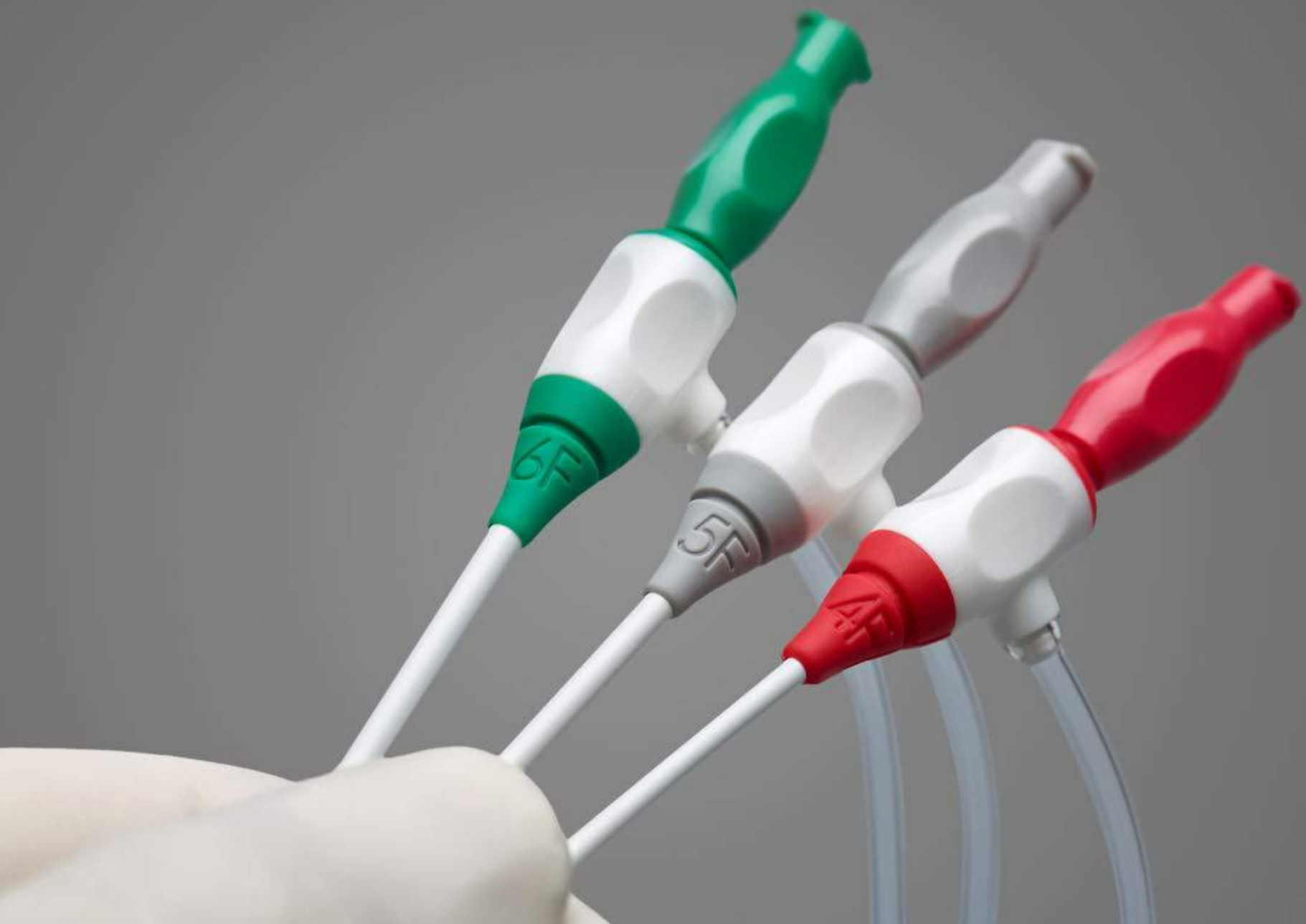


Flexible Tip

SOFTWIRE

PRODUCT CODE	SIZE IN./MM	LENGTH (CM)	COMMENTS
006305	0.035/0.9	145	Extra long taper core 15 cm
006307	0.038/1.0	145	Extra long taper core 15 cm

INTRODUCERS



RADIAL INTRODUCERS

InTRAkit™ Access Kit

GENERAL CHARACTERISTICS

- Items per box: 5
- Supplied sterile

PRODUCT DESCRIPTION

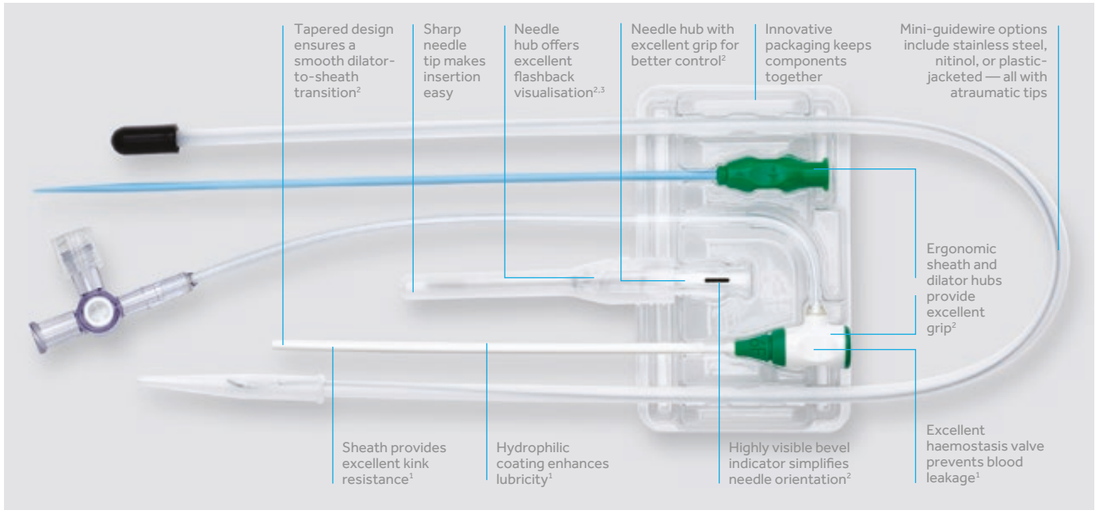
InTRAkit™ access kit delivers excellent components for the transradial approach:

- IV catheter and micropuncture needles feature sharp tips for easy insertion
- Needle hubs offer excellent flashback visualization and excellent grip
- Mini-guidewire options include stainless steel, nitinol, or plastic- jacketed — all with atraumatic tips
- Tapered design ensures a smooth dilator-to-sheath transition
- Hydrophilic coating for enhanced lubricity
- Sheath provides excellent kink resistance

PRODUCT CODE

INT4F07A1

- Wire Type
- Needle Type
- Sheath Length (cm)
- French Size (F)
- Product code



ORDERING INFORMATION

SHEATH THICKNESS	FRENCH SIZE (F)	SHEATH LENGTH (CM)	NEEDLE TYPE	WIRE TYPE
Standard	4)	07	A: IV Cath 22G	1: Stainless steel 45 cm
	5	11	B: IV Cath 20G	2: Nitinol 45 cm
	6	23	C: Micropuncture 21 G	3: Plastic-jacketed 45 cm
			D: Micropuncture 18 G	4: Stainless steel 80 cm

1. Bench test data on file at Medtronic. Bench test data may not be indicative of clinical results.
2. Based on physician feedback during preclinical study and compared to participants' current clinical experience; data on file at Medtronic.
3. Preclinical studies on file at Medtronic. Preclinical data may not be indicative of clinical performance.

RADIAL INTRODUCERS

InTRAkit™ Access Kit

ORDERING INFORMATION

4 FRENCH ORDER CODES (CFN)

CFN	Sheath Length	Needle Size	Needle Type	Wire Type	Wire Length
INT4F07B1	7 cm	20 G	IV Catheter	Stainless steel	45 cm
INT4F07B3	7 cm	20 G	IV Catheter	Plastic-jacketed	45 cm
INT4F07C1	7 cm	21 G	Micropuncture	Stainless steel	45 cm
INT4F11A3	11 cm	22 G	IV Catheter	Plastic-jacketed	45 cm
INT4F11B1	11 cm	20 G	IV Catheter	Stainless steel	45 cm
INT4F11B3	11 cm	20 G	IV Catheter	Plastic-jacketed	45 cm
INT4F11C1	11 cm	21 G	Micropuncture	Stainless steel	45 cm
INT4F11C2	11 cm	21 G	Micropuncture	Nitinol	45 cm
INT4F23B4	23 cm	20 G	IV Catheter	Stainless steel	80 cm
INT4F23C4	23 cm	21 G	Micropuncture	Stainless steel	80 cm

5 FRENCH ORDER CODES (CFN)

CFN	Sheath Length	Needle Size	Needle Type	Wire Type	Wire Length
INT5F07B1	7 cm	20 G	IV Catheter	Stainless steel	45 cm
INT5F07B2	7 cm	20 G	IV Catheter	Nitinol	45 cm
INT5F07B3	7 cm	20 G	IV Catheter	Plastic-jacketed	45 cm
INT5F07C1	7 cm	21 G	Micropuncture	Stainless steel	45 cm
INT5F07C2	7 cm	21 G	Micropuncture	Nitinol	45 cm
INT5F07D1	7 cm	18 G	Micropuncture	Stainless steel	45 cm
INT5F07D2	7 cm	18 G	Micropuncture	Nitinol	45 cm
INT5F11A3	11 cm	22 G	IV Catheter	Plastic-jacketed	45 cm
INT5F11B1	11 cm	20 G	IV Catheter	Stainless steel	45 cm
INT5F11B2	11 cm	20 G	IV Catheter	Nitinol	45 cm
INT5F11B3	11 cm	20 G	IV Catheter	Plastic-jacketed	45 cm
INT5F11C1	11 cm	21 G	Micropuncture	Stainless steel	45 cm
INT5F11C2	11 cm	21 G	Micropuncture	Nitinol	45 cm
INT5F11D1	11 cm	18 G	Micropuncture	Stainless steel	45 cm
INT5F11D2	11 cm	18 G	Micropuncture	Nitinol	45 cm
INT5F23B4	23 cm	20 G	IV Catheter	Stainless steel	80 cm
INT5F23C4	23 cm	21 G	Micropuncture	Stainless steel	80 cm
INT5F23D4	23 cm	18 G	Micropuncture	Stainless steel	80 cm

6 FRENCH ORDER CODES (CFN)

CFN	Sheath Length	Needle Size	Needle Type	Wire Type	Wire Length
INT6F07B1	7 cm	20 G	IV Catheter	Stainless steel	45 cm
INT6F07B2	7 cm	20 G	IV Catheter	Nitinol	45 cm
INT6F07B3	7 cm	20 G	IV Catheter	Plastic-jacketed	45 cm
INT6F07C1	7 cm	21 G	Micropuncture	Stainless steel	45 cm
INT6F07C2	7 cm	21 G	Micropuncture	Nitinol	45 cm
INT6F07D1	7 cm	18 G	Micropuncture	Stainless steel	45 cm
INT6F11A3	11 cm	22 G	IV Catheter	Plastic-jacketed	45 cm
INT6F11B1	11 cm	20 G	IV Catheter	Stainless steel	45 cm
INT6F11B2	11 cm	20 G	IV Catheter	Nitinol	45 cm
INT6F11B3	11 cm	20 G	IV Catheter	Plastic-jacketed	45 cm
INT6F11C1	11 cm	21 G	Micropuncture	Stainless steel	45 cm
INT6F11C2	11 cm	21 G	Micropuncture	Nitinol	45 cm
INT6F11D1	11 cm	18 G	Micropuncture	Stainless steel	45 cm
INT6F23B4	23 cm	20 G	IV Catheter	Stainless steel	80 cm
INT6F23C4	23 cm	21 G	Micropuncture	Stainless steel	80 cm
INT6F23D4	23 cm	18 G	Micropuncture	Stainless steel	80 cm

FEMORAL INTRODUCERS

Input™ TS Introducer Sheath

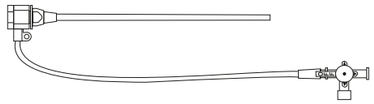
GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Maximum guidewire: 0.038" ▪ Items per box: 5

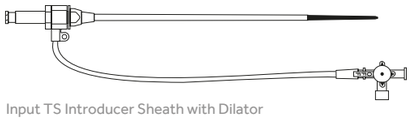
PRODUCT DESCRIPTION

- ▪ FEP sheath with silicone coating.
- ▪ Silicone hemostasis valve.
- ▪ Polyethylene dilator with silicone coating.
- ▪ Double distal 'J' stainless steel guidewire (included in 7-cm and 11-cm sheaths only).
- ▪ See obturators, dilators and sterile sleeves.

Input TS Introducer Sheath Dilator



Input TS Introducer Sheath



Input TS Introducer Sheath with Dilator

INPUT™ TS INTRODUCER SHEATH

PRODUCT CODE	FRENCH SIZE	OBTURATOR INCLUDED	COLOR CODE	LENGTH (CM)	DILATOR LENGTH (CM)	WIRE STYLE (IN.)
040028A	5	No	Gray	7	13	0.038 DDJ
040031A	6	No	Green	7	13	0.038 DDJ
040035A	7	No	Orange	7	13	0.038 DDJ
051101A	5	No	Gray	11	17	0.038 DDJ
061101A	6	No	Green	11	17	0.038 DDJ
071101A	7	No	Orange	11	17	0.038 DDJ
081101A	8	No	Blue	11	17	0.038 DDJ
091101A	9	No	Gray	11	17	0.038 DDJ
010101A	10	No	Dk Blue	11	17	0.038 DDJ
011101A	11	No	Red	11	17	0.038 DDJ
060037A	6	Yes	Green	23	29	N/A
070037A	7	Yes	Orange	23	29	N/A
080037A	8	Yes	Blue	23	29	N/A
090037A	9	Yes	Gray	23	29	N/A

FEMORAL INTRODUCERS

Input™ TS Introducer Sheath with Needle and Guidewire

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Maximum guidewire: 0.038" ▪ Items per box: 5

PRODUCT DESCRIPTION

- ▪ FEP sheath with silicone coating.
- ▪ Silicone hemostasis valve.
- ▪ Polyethylene dilator with silicone coating.
- ▪ Double distal 'J' stainless steel guidewire (included in 7-cm and 11-cm sheaths only).
- ▪ See obturators, dilators and sterile sleeves.

Input TS Introducer Sheath Dilator

Input TS Introducer Sheath

Input TS Introducer Sheath with Dilator

INPUT™ TS INTRODUCER SHEATH WITH NEEDLE AND GUIDEWIRE

PRODUCT CODE	FRENCH SIZE	SHEATH LENGTH (CM)	NEEDLE LENGTH (CM)	NEEDLE GAUGE
051102A	5	11	7	18
061102A	6	11	7	18
071102A	7	11	7	18
081102A	8	11	7	18
091102A	9	11	7	18

FEMORAL INTRODUCERS

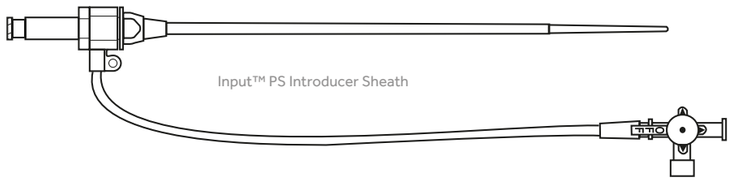
Input™ PS Introducer Sheath

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 0.038"
- Items per box: 5

PRODUCT DESCRIPTION

- Pebax™ sheath.
- Silicone hemostasis valve.
- Polyethylene dilator.
- Double distal 'J' stainless steel guidewire (included in 11-cm sheaths only).
- Hydro/Pel™ hydrophilic coating: water-activated, super-lubricious coating on the distal portions of the sheath assembly allows for easy insertion.
- See obturators, dilators, sterile sleeves.



INPUT™ PS INTRODUCER SHEATH

PRODUCT CODE	FRENCH SIZE	OBTURATOR INCLUDED	COLOR CODE	SHEATH LENGTH (CM)	DILATOR LENGTH (CM)	WIRE STYLE (IN.)
050011	5	No	Gray	11	17	0.038 DDJ
060011	6	No	Green	11	17	0.038 DDJ
070011	7	No	Orange	11	17	0.038 DDJ
080011	8	No	Blue	11	17	0.038 DDJ
060023	6	Yes	Green	23	31	N/A
070023	7	Yes	Orange	23	39	N/A
080023	8	Yes	Blue	23	39	N/A
863311	6	No	Green	11	17	N/A
873311	7	No	Orange	11	17	N/A
883311	8	No	Blue	11	17	N/A

Pebax™ is a registered trademark of Atofina Corporation France.

FEMORAL INTRODUCERS

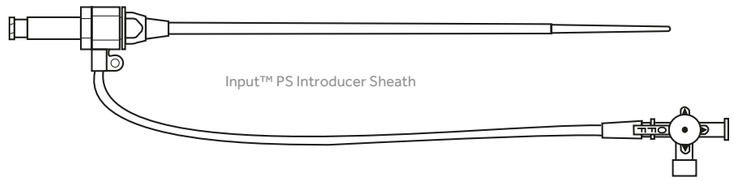
Input™ PS Introducer Sheath with Needle and Guidewire

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire diameter: 0.038"
- Items per box: 5
- Color code: see chart below

PRODUCT DESCRIPTION

- Pebax™ sheath.
- Silicone hemostasis valve.
- Polyethylene dilator.
- Double distal "J" stainless steel guidewire (included in 11-cm sheaths only).
- Hydro/Pel™ hydrophilic coating: water-activated, super-lubricious coating on the distal portions of the sheath assembly allows for easy insertion.
- See obturators, dilators, sterile sleeves.



INPUT™ PS INTRODUCER SHEATH WITH NEEDLE AND GUIDEWIRE

PRODUCT CODE	FRENCH SIZE (F)	SHEATH LENGTH (CM)	NEEDLE LENGTH (CM)	NEEDLE GAUGE	COLOUR CODE
553311	5	11	7	18	Gray
563311	6	11	7	18	Green
573311	7	11	7	18	Orange
583311	8	11	7	18	Blue

Pebax™ is a registered trademark of Atofina Corporation France.

FEMORAL INTRODUCERS

Input™ Accessories
Obturator

GENERAL CHARACTERISTICS

- Supplied sterile.
- Color-coded for easy identification of compatible sheath.
- Items per box: 10

PRODUCT DESCRIPTION

- Helps maintain sheath patency and protects from outside contamination.
- Twist 'N Shut locking system locks obturator in place to prevent backout from sheath.
- Inserted into the introducer sheath when placement of the transvenous temporary pacing electrode or intravascular catheter is delayed or removed.

Input Introducer Sheath Short (11 cm) Obturator

Input Introducer Sheath Long (23 cm) Obturator

INPUT™ PS INTRODUCER SHEATH OBTURATOR

PRODUCT CODE	USE WITH INTRODUCER	COLOR CODE	OBTURATOR I.D. (F)	OBTURATOR O.D. (F)	OBTURATOR LENGTH (CM)
205211	050011	Gray	5	4	11
206211	060011	Green	6	5	11
207211	070011	Orange	7	6	11
209223	090023	Gray	9	8	23

FEMORAL INTRODUCERS

Input™ Accessories
Obturator

GENERAL CHARACTERISTICS

- Supplied sterile.
- Color-coded for easy identification of compatible sheath.
- Items per box: 10

PRODUCT DESCRIPTION

- Helps maintain sheath patency and protects from outside contamination.
- Twist 'N Shut locking system locks obturator in place to prevent backout from sheath.
- Inserted into the introducer sheath when placement of the transvenous temporary pacing electrode or intravascular catheter is delayed or removed.

Input Introducer Sheath Short (11 cm) Obturator

Input Introducer Sheath Long (23 cm) Obturator

INPUT™ TS INTRODUCER SHEATH OBTURATOR

PRODUCT CODE	USE WITH INTRODUCER	COLOR CODE	OBTURATOR I.D. (F)	OBTURATOR O.D. (F)	OBTURATOR LENGTH (CM)
206211A	061101A	Green	6	6	11
207211A	071101A	Orange	7	7	11
209223A	090037A	Gray	9	9	23

FEMORAL INTRODUCERS

Input™ Accessories
Vessel Dilator

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 10

PRODUCT DESCRIPTION

- For use in arterial or venous applications.
- Polyethylene dilator.

Input Introducer Sheath Vessel Dilator

INPUT™ PS INTRODUCER SHEATH VESSEL DILATOR

PRODUCT CODE	FRENCH SIZE	COLOR CODE	MAXIMUM WIRE SIZE (IN.)	DILATOR LENGTH (CM)
653311	5	Gray	0.038	17
673311	7	Orange	0.038	17
673323	7	Orange	0.038	Double 39

FEMORAL INTRODUCERS

Input™ Accessories
Vessel Dilator

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 10

PRODUCT DESCRIPTION

- For use in arterial or venous applications.
- Polyethylene dilator.

Input Introducer Sheath Vessel Dilator

INPUT™ TS INTRODUCER SHEATH VESSEL DILATOR

PRODUCT CODE	FRENCH SIZE	COLOR CODE	MAXIMUM WIRE SIZE (IN.)	DILATOR LENGTH (CM)
040037A	5	Gray	0.038	17
040042A	6	Green	0.038	17
040044A	7	Orange	0.038	17
040049A	9	Gray	0.038	17

FEMORAL INTRODUCERS

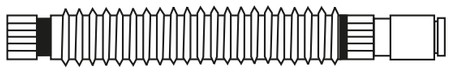
Input™ Accessories
Sterile Sleeve

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 10

PRODUCT DESCRIPTION

- Maintains sterility of indwelling catheter shaft proximal to the introducer hub.
- Twist 'N Shut locking system locks sleeve into input hub.



Input Introducer Sheath Sterile Sleeve

INPUT™ INTRODUCER SHEATH STERILE SLEEVE

PRODUCT CODE	LENGTH (CM)	FOR USE WITH
026000	26	Input™ Introducer Sheaths
060000	60	Input™ Introducer Sheaths

FEMORAL INTRODUCERS

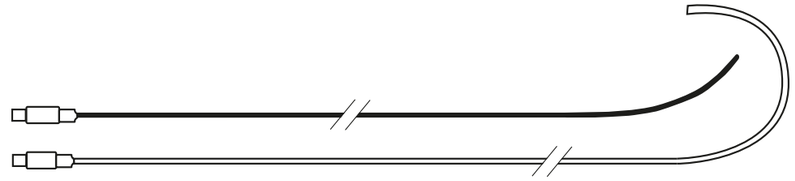
Mullins
Transseptal Catheter Introducer Sheath

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 1

PRODUCT DESCRIPTION

Sets include one sheath and one dilator. Used with Brockenbrough™ needle, except where noted.



Mullins Transseptal Catheter Introducer Sheath

MULLINS TRANSSEPTAL CATHETER INTRODUCER SHEATH

PRODUCT CODE	FRENCH SIZE	MAXIMUM WIRE SIZE (IN.)	SHEATH LENGTH (CM)	DILATOR LENGTH (CM)
008550	6	0.032	59	67
008551	7	0.032	59	67
008552	8	0.032	59	67

FEMORAL INTRODUCERS

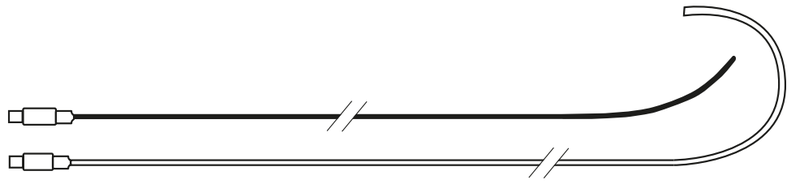
Pediatric Mullins Transseptal Catheter Introducer Sheath

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 1

PRODUCT DESCRIPTION

Sets include one sheath and one dilator. Used with Brockenbrough™ needle, except where noted.



Mullins Transseptal Catheter Introducer Sheath

MULLINS TRANSSEPTAL CATHETER INTRODUCER SHEATH

PRODUCT CODE	FRENCH SIZE	MAXIMUM WIRE SIZE (IN.)	SHEATH LENGTH (CM)	DILATOR LENGTH (CM)
008530	6	0.025	44	52
008531	7	0.025	44	52
008532	8	0.025	44	52

Pediatric item

FEMORAL INTRODUCERS

Mullins Transseptal Catheter Introducer Sheath with Hemostasis Valve

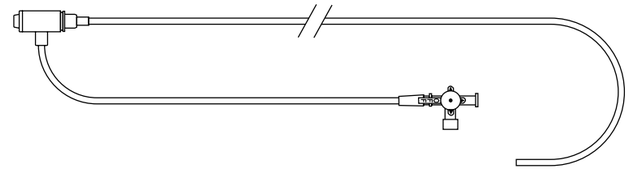
GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 1

PRODUCT DESCRIPTION

Sets include one sheath and one dilator. Used with Brockenbrough™ needle.

Transseptal catheter introducer sheath has attached sidearm with stopcock and hemostasis valve.



Transseptal Catheter Introducer Sheath with Hemostasis Valve

TRANSSEPTAL CATHETER INTRODUCER SHEATH WITH HEMOSTASIS VALVE

PRODUCT CODE	FRENCH SIZE	MAXIMUM WIRE SIZE (IN.)	SHEATH LENGTH (CM)	DILATOR LENGTH (CM)
008591	8	0.032	59	67

INTERVENTIONAL ACCESSORIES

INTERVENTIONAL ACCESSORIES

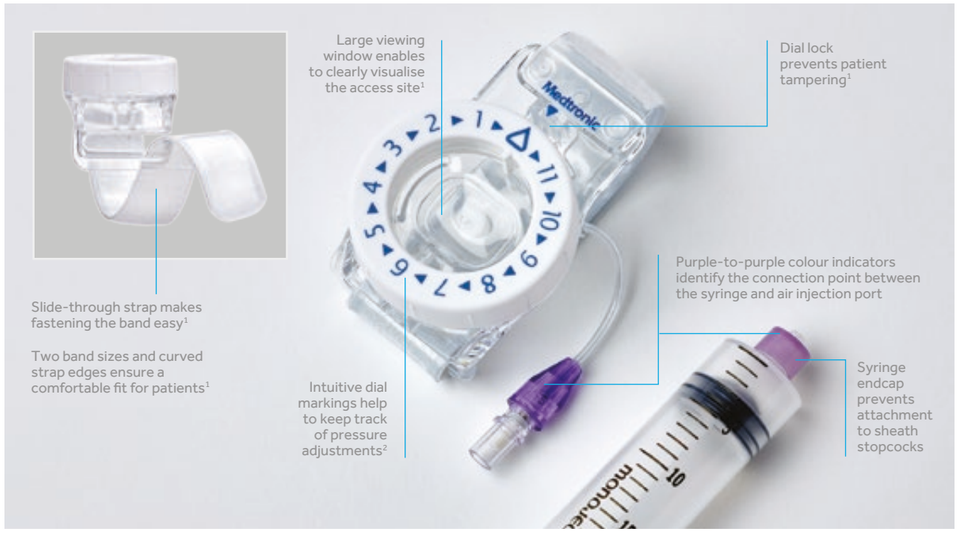
TRAcelet™ Hemostasis Device

GENERAL CHARACTERISTICS

- Items per box: 5
- Supplied sterile

PRODUCT DESCRIPTION

- The TRAcelet™ compression device is an innovative solution for simplified pressure control.
- Its dual-compression balloon system uniformly delivers pressure to the access site to stop bleeding, while maintaining radial artery patency.
- In the cath lab: use the syringe provided with the TRAcelet™ compression device for pressure optimization.
- In the recovery area: use the dial-based system for controlled pressure adjustments without the need for a syringe.



TECHNICAL SPECIFICATIONS

INFLATION VOLUME NUMBERS (CC)	
Nominal	13
Maximum	18

STRAP LENGTHS (CM)	
Regular	19.2
Large	25.2

CFN	STRAP LENGTHS (CM)
TRACR	Regular
TRACL	Large

1. Data on file at Medtronic.
2. Bench test data on file at Medtronic.

INTERVENTIONAL ACCESSORIES

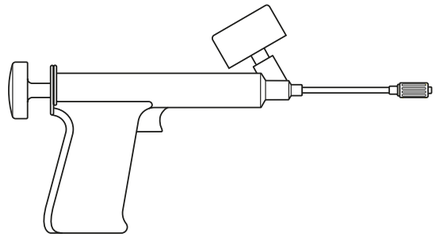
Everest™ Disposable Inflation Device and Accessories

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 1
- Kits per box: 1

PRODUCT DESCRIPTION

- Available with a 3-way stopcock.
- The pistol-grip fits comfortably in either hand and its trigger mechanism is easy to use for all operators.
- A 20-cc syringe capacity provides rapid negative pressures to speed deflation times.
- The 20 atm/bar and 30 atm/bar luminescent gauges are easy to read under low light conditions. Accurate readings within +/- 3% of gauge full scale.



EVEREST INFLATION DEVICE

PRODUCT CODE	DESCRIPTION	PACKAGED WITH
AC2200	Everest20 Inflation Device	1 three-way stopcock
AC3200	Everest30 Inflation Device	1 three-way stopcock
AC2205P	Everest20 Survival Kit	1 Everest20 atm inflation device, 1 three-way stopcock, Piton® Y-adapter, guidewire insertion tool, and torque handle
AC3205P	Everest30 Survival Kit	1 Everest30 atm inflation device, 1 three-way stopcock, Piton® Y-adapter, guidewire insertion tool, and torque handle

INTERVENTIONAL ACCESSORIES

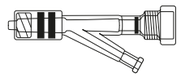
Piton™
Disposable PTCA Y-Adaptor and Y-Adaptor Kits

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 5

PRODUCT DESCRIPTION

- Designed for today's smaller shafted balloon catheters.
- Large, ridged cap and extra length simplify handling.
- Cap won't fall off.
- Lubricious gasket allows better maneuverability.



Piton™ Y-Adaptor

Insertion Tool

PITON™ Y-ADAPTOR

PRODUCT CODE	COLOR	LUMEN I.D. (IN.)	PACKAGED WITH
AC4001M	Clear/Blue	0.110	1 Piton™ Y-Adaptor, 1 insertion tool

INTERVENTIONAL ACCESSORIES

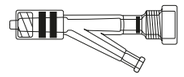
Piton™
Disposable PTCA Y-Adaptor and Y-Adaptor Kits

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 5

PRODUCT DESCRIPTION

- Designed for today's smaller shafted balloon catheters.
- Large, ridged cap and extra length simplify handling.
- Cap won't fall off.
- Lubricious gasket allows better maneuverability.



Piton™ Y-Adaptor

Insertion Tool

Torque Handle

PITON™ Y-ADAPTOR KIT

PRODUCT CODE	LUMEN I.D. (IN.)	PACKAGED WITH
AC4003M	0.110	1 Piton™ Y-Adaptor, 1 insertion tool, 1 torque handle

INTERVENTIONAL ACCESSORIES

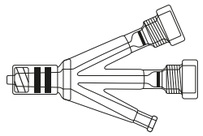
Piton™
Disposable PTCA Y-Adaptor and Y-Adaptor Kits

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 5

PRODUCT DESCRIPTION

- Designed for today's smaller shafted balloon catheters.
- Large, ridged cap and extra length simplify handling.
- Cap won't fall off.
- Lubricious gasket allows better maneuverability.



Piton™ Tri-Adaptor

Insertion Tool

PITON™ TRI-ADAPTORS

PRODUCT CODE	LUMEN I.D. (IN.)	PACKAGED WITH
AC4002M	0.110	1 Piton™ Tri-Adaptor, 1 insertion tool

INTERVENTIONAL ACCESSORIES

Metal guidewire insertion tool

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 5

PRODUCT DESCRIPTION

For use with Piton™ Y-Adaptors and Tri-Adaptors.

Stretch Insertion Tool

STRETCH INSERTION TOOL

PRODUCT CODE	DESCRIPTION
006073	Stretch insertion tool

INTERVENTIONAL ACCESSORIES

Steering Handle

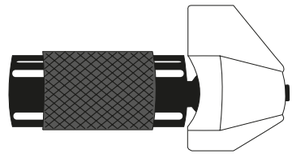
GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 5

PRODUCT DESCRIPTION

For use with PTCA guidewires.

Plastic nut with metal jaws.



STEERING HANDLE

PRODUCT CODE
008958

HEMODYNAMIC MONITORING CATHETERS

Pulmonary Wedge Pressure (PWP) Catheter

GENERAL CHARACTERISTICS

- Supplied sterile.
- For single use.
- Maximum guidewire: 0.038"
- Items per box: 5
- Packaged with balloon inflation syringe.

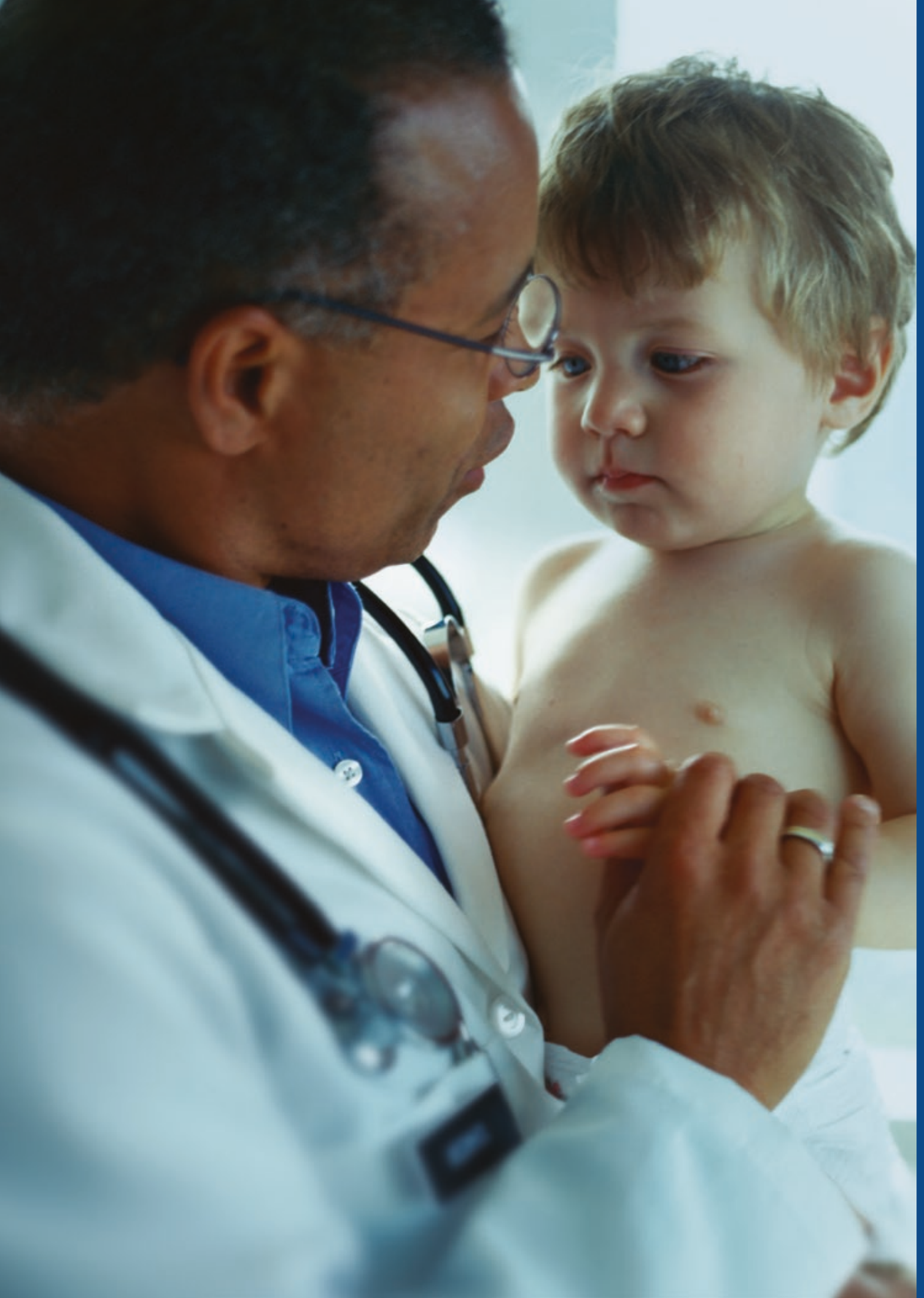
PRODUCT DESCRIPTION

- Provides rapid and accurate placement for hemodynamic pressure readings.
- Large lumen for blood sampling and excellent pressure tracings.

BallooInn flati1o.n5c c

PULMONARY WEDGE PRESSURE (PWP) CATHETER

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)
150075	7	110



PEDIATRIC AND TRANSSEPTAL PRODUCTS

PEDIATRIC PRODUCTS

Lehman™ Catheter
Pediatric Woven Coronary Catheters

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Closed end.
• Thin-wall construction.

PRODUCT DESCRIPTION

J.S. Lehman, MD, developed the Lehman™ ventriculography catheter. This catheter is specifically designed to be placed easily into the left ventricle via the aorta. The flexible, tapered distal tip is slightly curved to assist passage through the aortic valve and to sit freely in the contour of the left ventricle. This catheter provides excellent flow rates and catheter stability due to its thin-wall construction.

LEHMAN™ CATHETER

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	MINIMUM TIP I.D. (IN.)	LENGTH (CM)	COMMENTS
001253	5	Thin wall	0.032	50	No sideholes
001254	5	Thin wall	0.032	80	No sideholes

Pediatric item

PEDIATRIC PRODUCTS

Goodale-Lubin™ Catheter
Pediatric Woven Coronary Catheters

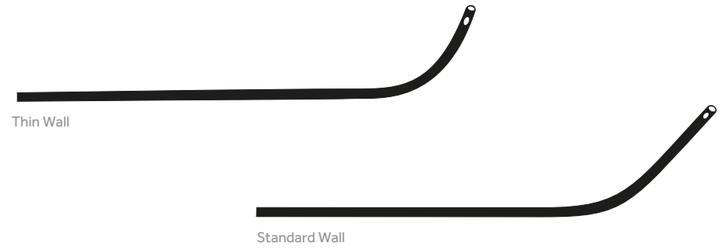
GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Open end.
• Two laterally opposed sideholes. • Thin-wall or standard-wall construction.

PRODUCT DESCRIPTION

Walter T. Goodale, MD, and Martin Lubin, MD, developed standard-wall and thin-wall catheters similar to the Cournand™ and Lehman™ catheters in construction and tip curve.

The additional feature of the Goodale-Lubin™ catheter is the two laterally opposed sideholes just proximal to the tip for improved disbursement of contrast during right heart angiography.



Thin Wall

Standard Wall

GOODALE-LUBIN™ CATHETER

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	MINIMUM TIP I.D. (IN.)	SIDEHOLES	LENGTH (CM)
001279	5	Thin wall	0.032	2	80
001453	5	Standard wall	0.026	2	50

Pediatric item

PEDIATRIC PRODUCTS

Gensini™ Percutaneous Catheter
Pediatric Woven Coronary Catheters

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Open end.
• Six sideholes· • Thin-wall construction.

PRODUCT DESCRIPTION

Goffredo G. Gensini, MD, is responsible for the first designed catheter with an open end hole. This catheter has a tapered tip that fits securely over a guidewire for percutaneous introduction.

The six sideholes and thin-wall construction provide maximum flow rates. The catheter is used for aortic, ventricular, pulmonary and large-venous contrast studies.

GENSINI™ PERCUTANEOUS CATHETER

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	MINIMUM TIP I.D. (IN.)	LENGTH (CM)	COMMENTS
001323	5	Thin wall	0.026	100	Use with 0.025 in. guidewire
001339	6	Thin wall	0.036	80	Use with 0.035 in. guidewire

Pediatric item

PEDIATRIC PRODUCTS

NIH
Pediatric Woven NIH Catheters

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Nylon core.
• Closed end. • Six sideholes. • Thin-wall construction.

PRODUCT DESCRIPTION

The NIH (National Institutes of Health) catheter is designed with a thin wall and nylon core construction to provide maximum flow rates and catheter stability.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricles, pulmonary vasculature and the great veins.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricle, pulmonary vasculature and the great veins.

NIH

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	SIDEHOLES	LENGTH (CM)
001348	5	Thin wall	6	50
001353	6	Thin wall	6	80

Pediatric item

PEDIATRIC PRODUCTS

Pediatric NIH
Pediatric Woven NIH Catheters

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Items per box: 10 ▪ Maximum guidewire equals minimum tip I.D. ▪ Nylon core.
▪ Closed end. ▪ Six sideholes (4F Catheter has four sideholes). ▪ Thin-wall construction.

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility. The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricle, pulmonary vasculature and the great veins.

PEDIATRIC NIH

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	SIDEHOLES	LENGTH (CM)
001375	4	Thin wall	4	50
001377	5	Thin wall	6	50
001378	5	Thin wall	6	80
001380	6	Thin wall	6	50
001381	6	Thin wall	6	80
001382	6	Thin wall	6	100

Pediatric item

PEDIATRIC PRODUCTS

Pediatric Curved NIH
Pediatric Woven NIH Catheters

GENERAL CHARACTERISTICS

▪ Supplied sterile. ▪ Items per box: 10 ▪ Maximum guidewire equals minimum tip I.D. ▪ Nylon core.
▪ Closed end. ▪ Six sideholes. ▪ Thin-wall construction.

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility. The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricle, pulmonary vasculature and the great veins.

PEDIATRIC CURVED NIH

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	LENGTH (CM)
008761	5	Thin wall	65
008762	6	Thin wall	65
008763	7	Thin wall	80

Pediatric item

PEDIATRIC PRODUCTS

Pediatric NIH with Cardio-Marker Image Bands
Pediatric Woven NIH Catheters

GENERAL CHARACTERISTICS

• Supplied sterile. • tems per box: 5 • Maximum guidewire equals minimum tip I.D. • Closed end.
• Six sideholes • Thin-wall construction.

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility. The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

Band width: 1 mm.

Two marker bands 1 cm apart +- 1/2 mm (leading edge to leading edge).

PEDIATRIC NIH WITH CARDIO-MARKER IMAGE BANDS

PRODUCT CODE	FRENCH SIZE	DESIGN STYLE	SIDEHOLES	LENGTH (CM)
010010	5	Thin wall	6	65
010011	6	Thin wall	6	80
010012	7	Thin wall	6	80

Pediatric item

PEDIATRIC PRODUCTS

Rashkind™ Recessed Balloon Catheter
Pediatric Septostomy Balloon Catheters

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 1

PRODUCT DESCRIPTION

• Woven shaft design
• Shaft length: 50 cm

RASHKIND™ RECESSED BALLOON CATHETER

PRODUCT CODE	SHAFT SIZE (F)	RECOMMENDED INFLATED BALLOON DIAMETER (MM)	RECOMMENDED INTRODUCER (F)	COMMENTS
008764	6	14	6	Single lumen

Pediatric item

Rashkind® is a registered trademark of William J. Rashkind, M.D.

PEDIATRIC PRODUCTS

Rashkind™ Balloon Catheter Single Lumen Pediatric Septostomy Balloon Catheters

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 1

PRODUCT DESCRIPTION

- Woven shaft design
- Shaft length: 50 cm

RASHKIND™ BALLOON CATHETER SINGLE LUMEN

PRODUCT CODE	SHAFT SIZE (F)	RECOMMENDED INFLATED BALLOON DIAMETER (MM)	RECOMMENDED INTRODUCER (F)	COMMENTS
007161	4	11	7	Single lumen
007160	5	12	8	Single lumen

Pediatric item

Rashkind® is a registered trademark of William J. Rashkind, M.D.

PEDIATRIC PRODUCTS

Rashkind™ Balloon Catheter Double Lumen Pediatric Septostomy Balloon Catheters

GENERAL CHARACTERISTICS

- Supplied sterile.
- Items per box: 1

PRODUCT DESCRIPTION

- Woven shaft design
- Shaft length: 50 cm

RASHKIND™ BALLOON CATHETER DOUBLE LUMEN

PRODUCT CODE	SHAFT FRENCH SIZE	RECOMMENDED INFLATED BALLOON DIAMETER (MM)	RECOMMENDED INTRODUCER (F)	COMMENTS
007158	5.5	14	9	Double lumen

Pediatric item

PEDIATRIC PRODUCTS

Pediatric Mullins Transseptal Catheter Introducer Sheath

GENERAL CHARACTERISTICS

- Supplied sterile.
- Maximum guidewire: 0.025″
- Items per box: 1

PRODUCT DESCRIPTION

- Sets include one sheath and one dilator.
- For use with Pediatric Brockenbrough™ Needle.

Mullins Transseptal Catheter Introducer Sheath

PEDIATRIC MULLINS TRANSSEPTAL INTRODUCER SHEATH

PRODUCT CODE	FRENCH SIZE	MAXIMUM WIRE SIZE (IN.)	SHEATH LENGTH (CM)	DILATOR LENGTH (CM)
008530	6	0.025	44	52
008531	7	0.025	44	52
008532	8	0.025	44	52

Pediatric item

TRANSSEPTAL PRODUCTS & ACCESSORIES

Mullins Transseptal Catheter Introducer Sheath

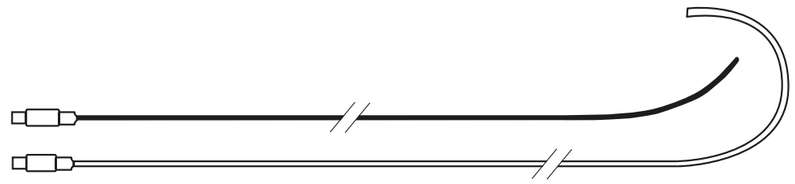
GENERAL CHARACTERISTICS

- Not supplied sterile.
- Single-use device.
- Items per box: 1

PRODUCT DESCRIPTION

Sets include one sheath and one dilator. Used with Brockenbrough™ needle, except where noted.

For use with Brockenbrough™ Needle.



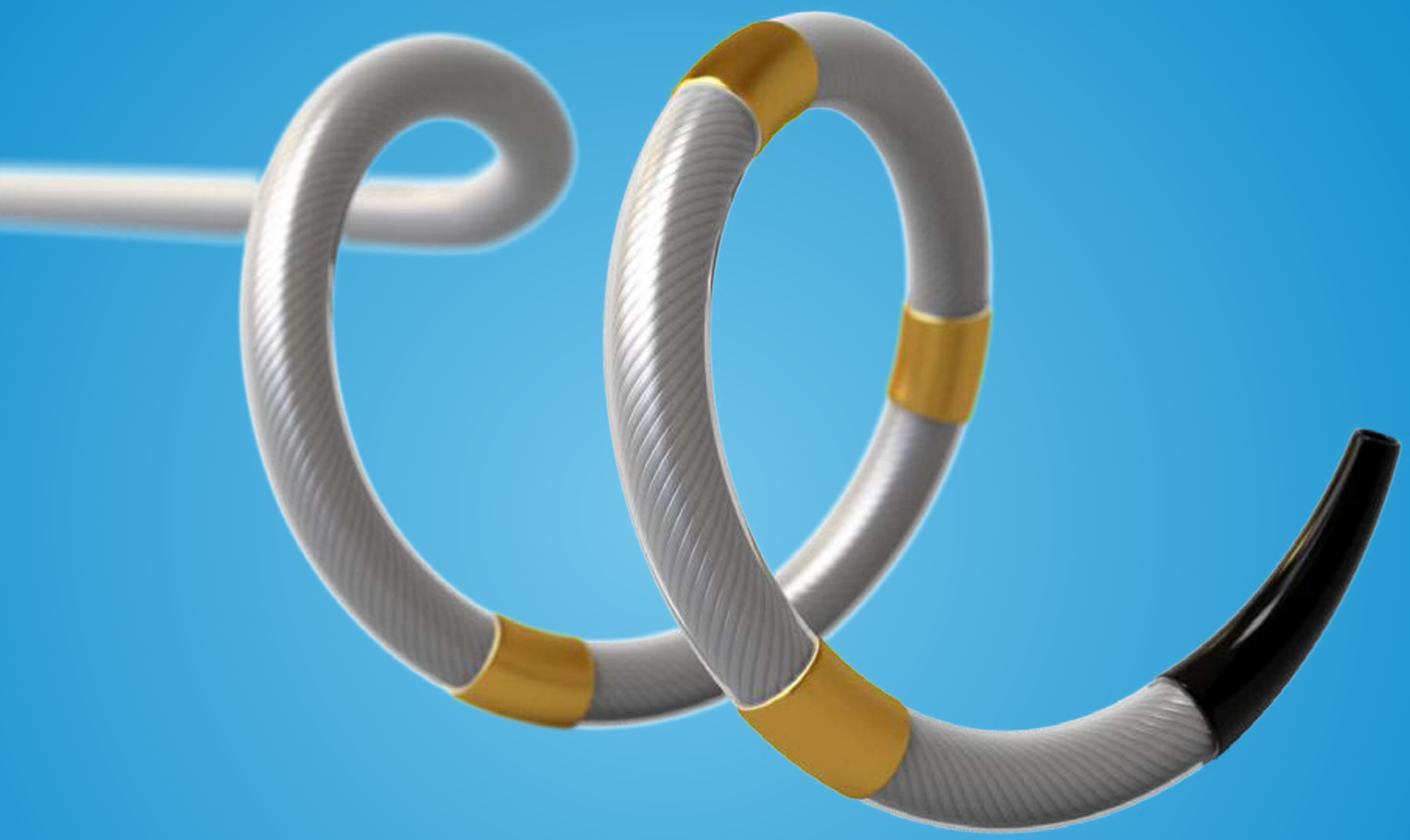
Mullins Transseptal Catheter Introducer Sheath

MULLINS TRANSSEPTAL CATHETER INTRODUCER SHEATH

PRODUCT CODE	FRENCH SIZE	MAXIMUM WIRE SIZE (IN.)	SHEATH LENGTH (CM)	DILATOR LENGTH (CM)
008550	6	0.032	59	67
008551	7	0.032	59	67
008552	8	0.032	59	67

For use with Brockenbrough™ Needle.

RENAL DENERVATION CATHETERS



RENAL DENERVATION

Symplicity Spyral™ Multi-Electrode Renal Denervation Catheter

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 1 • Label color: Orange.

PRODUCT DESCRIPTION

The Symplicity Spyral™ Multi-Electrode Catheter offers an improved renal denervation procedure. Consistent four-quadrant ablation pattern, self-expanding helical design conforms to a wide range of artery shapes and sizes (3-8mm) and a low 6F guide catheter compatibility, delivered over a standard 0.014" guidewire with rapid exchange system.

ORDERING CHART

CATALOG NUMBER	PRODUCT
RDN016	Symplicity Spyral™ Catheter
RDN017	Symplicity G3™ Generator, supplied standard with remote control
RDN019	Cart, Symplicity G3™ Generator Component
RDN012	Replacement foot switch
PRT075-XX	Replacement power cable (country-specific) (Contact Medtronic representative for catalog number)

Medtronic

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Fax: +41 (0)21 802 79 00

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Symplicity Spyral™

Multi-Electrode Renal Denervation Catheter

TECHNICAL SPECIFICATIONS

As a recognised leader in renal denervation innovation, we partner with industry experts who share our commitment to fighting hypertension and sustaining health. Our Symplicity Spyral™ catheter and Symplicity G3™ generator offer a sophisticated multi-electrode helical solution that smoothly moves through vessels and conforms naturally to a broad range of patient anatomies. Four electrodes deliver radiofrequency (RF) energy simultaneously to the treatment site over a 0.014" guidewire, providing exceptional delivery with reduced procedural time.

PRODUCT DESCRIPTION

The Symplicity Spyral™ catheter consists of:

- Catheter: 6 F guide catheter-compatible
- Electrodes: 4 RF monopolar, gold, radio-opaque, 1.50-mm length
- Thermocouple: T-type
- Tip marker: Platinum/Iridium alloy
- Handle: injection molded
- Integrated extension cable for connection with the Symplicity G3™ generator

MATERIALS

HANDLE	■ ABS, thermoplastic elastomer overmold
CATHETER	■ Proximal shaft: polyether block amide laminated over stainless steel ■ Intermediate shaft: polyether block amide with braided stainless steel ■ Distal electrode array jacket: thermoplastic urethane ■ Tip: thermoplastic urethane ■ Guidewire lumen: high-density polyethlene liner ■ Spiral shaping element: nickel/titanium ■ Guidewire loading tool: thermoplastic vulcanisates
THERMOCOUPLE	■ T-type

SIZES

CATHETER	■ 117-cm length-compatible with 100 cm or shorter guide catheters ■ 6 F guide catheter-compatible ■ 0.054" maximum profile

PERFORMANCE

CATHETER	■ RX design compatible with 0.014" guidewire ■ Guidewire retraction used to deploy the spiral electrode array ■ RX joint: 30 cm from distal tip ■ Vessel diameter treatment range: 3–8 mm ■ Four independently controlled RF monopolar gold electrodes, spaced 6.5 mm apart ■ Treatment length: 17–21 mm if all electrodes are activated ■ Tip length: 5 mm ■ Tip marker: 1 mm proximal of distal tip ■ Femoral shaft marker: 55 cm from distal tip
STERILISATION PROCESS	■ E-beam and 10^{-6} SAL
SHELF LIFE	■ 1 year
LATEX	■ Not present
PHTHALATE	■ Not present
ANIMAL SUBSTANCE	■ Not present

Refer to the *Instructions for Use (IFU)* for full product information.

Medtronic
Further, Together

Medtronic

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Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 13485:2016

This is to certify that:

Bard Peripheral Vascular, Inc.
1625 West 3rd Street
Tempe
Arizona
85281
USA

Holds Certificate No: **FM 92806**

and operates a Quality Management System which complies with the requirements of ISO 13485:2016 for the following scope:

The design, development, manufacture, and distribution of ePTFE Vascular Grafts with and without carbon, Balloon Expandable Stents, PTA Balloon Catheter, Percutaneous Catheters, Biopsy Needles and Instruments, Disposable Instruments and Breast Localization Wires, Cardiovascular Patches, Endoluminal Devices, Minimally Invasive Delivery Systems and related accessories, Cardiovascular Grafts, Fabrics, Felts, Pledgets, Shunts, Probes, Tapes, Pouches, Vena Cava Recovery Filters, Vena Cava Filter Recovery Cones, Delivery System products and Breast Tissue Markers, High Frequency Electronic Power Supplies and Catheters, Saline Injectors and Inflation Devices.

For and on behalf of BSI:

Carlos Pitanga, Chief Operating Officer Assurance – Americas

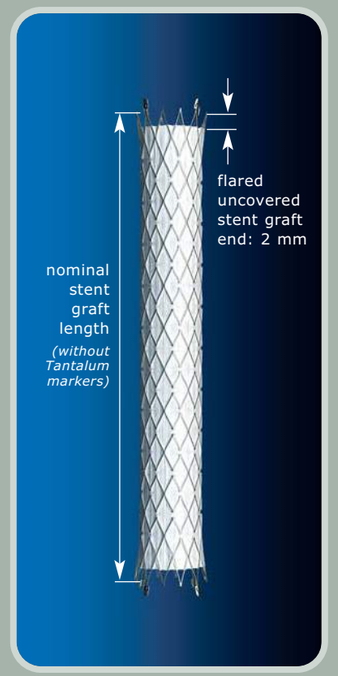
Original Registration Date: 2005-01-05
Effective Date: 2018-10-04
Latest Revision Date: 2018-10-04
Expiry Date: 2021-10-03

...making excellence a habit.™

fluency plus

Vascular Stent Graft

Deployment system working length
80 cm and 117 cm, Guidewire 0.035 in



PULL-BACK DEVICE

Deployment system working length:		80 cm	117 cm
Expanded Stent Graft Diameter [mm]	Stent Graft Length [mm]	Delivery System Diameter [F]	Order No.	Order No.
5	20	8	FVM05020	FVL05020
	30	8	FVM05030	FVL05030
	40	8	FVM05040	FVL05040
	60	8	FVM05060	FVL05060
	80	8	FVM05080	FVL05080
	100	8	FVM05100	FVL05100
	120	8	FVM05120	FVL05120
6	20	8	FVM06020	FVL06020
	30	8	FVM06030	FVL06030
	40	8	FVM06040	FVL06040
	60	8	FVM06060	FVL06060
	80	8	FVM06080	FVL06080
	100	8	FVM06100	FVL06100
	120	8	FVM06120	FVL06120
7	20	8	FVM07020	FVL07020
	30	8	FVM07030	FVL07030
	40	8	FVM07040	FVL07040
	60	8	FVM07060	FVL07060
	80	9	FVM07080	FVL07080
	100	9	FVM07100	FVL07100
	120	9	FVM07120	FVL07120
8	20	9	FVM08020	FVL08020
	30	9	FVM08030	FVL08030
	40	9	FVM08040	FVL08040
	60	9	FVM08060	FVL08060
	80	9	FVM08080	FVL08080
	100	9	FVM08100	FVL08100
	120	9	FVM08120	FVL08120
9	30	9	FVM09030	FVL09030
	40	9	FVM09040	FVL09040
	60	9	FVM09060	FVL09060
	80	9	FVM09080	FVL09080
	100	9	FVM09100	FVL09100
	120	9	FVM09120	FVL09120
10	30	9	FVM10030	FVL10030
	40	9	FVM10040	FVL10040
	60	9	FVM10060	FVL10060
	80	9	FVM10080	FVL10080
	100	9	FVM10100	FVL10100
	120	9	FVM10120	FVL10120
12	30	10	FVM12030	FVL12030
	40	10	FVM12040	FVL12040
	60	10	FVM12060	FVL12060
	80	10	FVM12080	FVL12080
	100	10	FVM12100	FVL12100
	120	10	FVM12120	FVL12120
13,5	30	10	FVM14030	FVL14030
	40	10	FVM14040	FVL14040
	60	10	FVM14060	FVL14060
	80	10	FVM14080	FVL14080
	100	10	FVM14100	FVL14100
	120	10	FVM14120	FVL14120

Minimum order quantity: 1 unit

Not For Distribution in the U.S. or to any U.S. customer.

Please consult product labels and inserts for any indications, contraindications, hazards, warnings, cautions and directions for use.

angiomed

BARD PERIPHERAL VASCULAR

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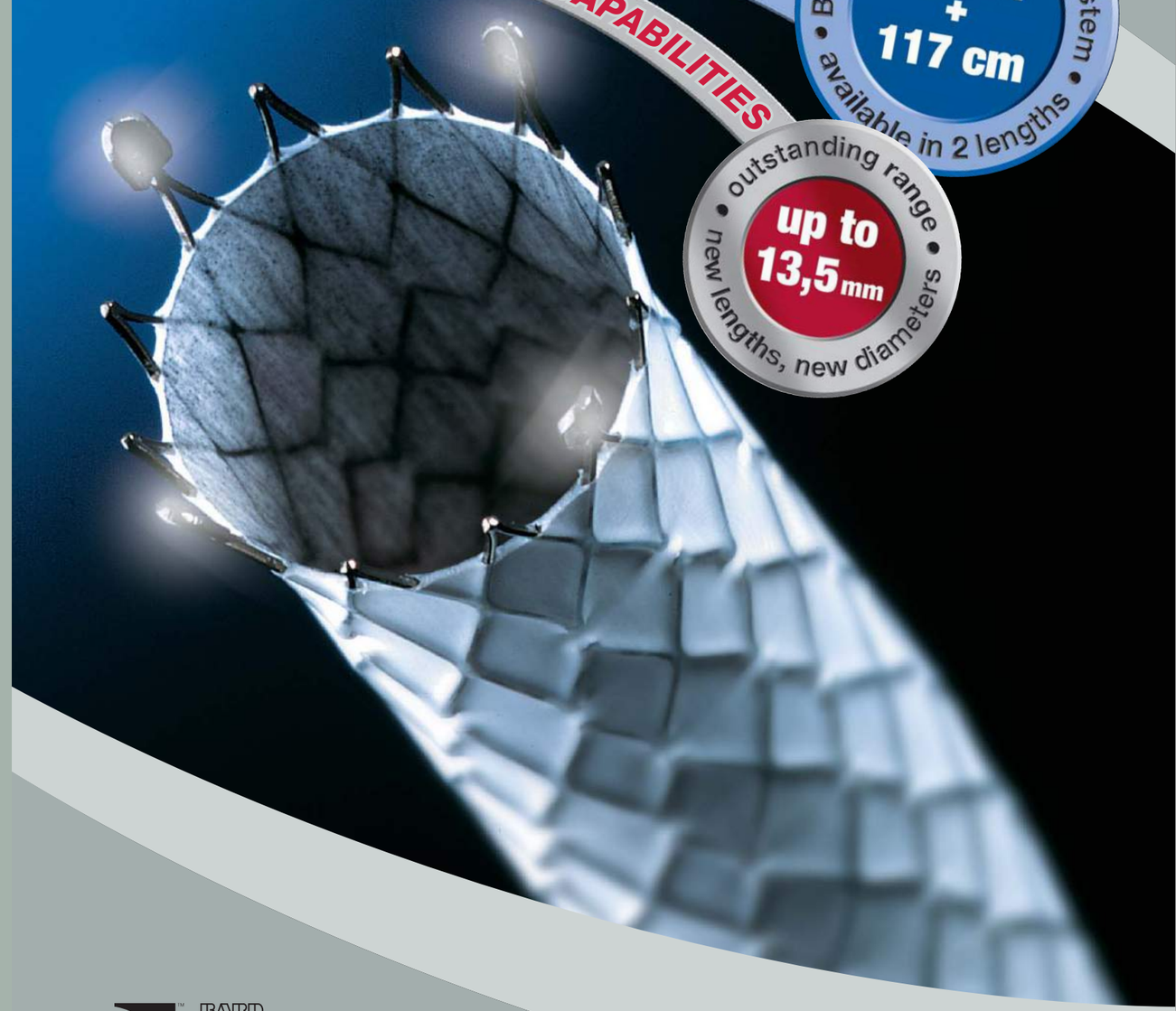
fluency plus®

VASCULAR STENT GRAFT

EXPANDING PERFORMANCE
EXTENDING CAPABILITIES

BARD S.A.F.E.® Delivery System
80 cm + 117 cm
available in 2 lengths

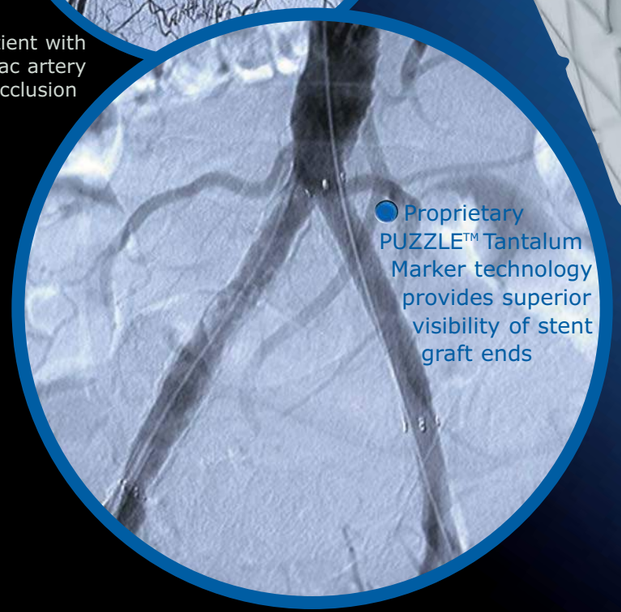
outstanding range
up to 13,5 mm
new lengths, new diameters



BARD PERIPHERAL VASCULAR

fluency® plus

VASCULAR STENT GRAFT



Patient with iliac artery occlusion

After implantation of a FLUENCY® Plus Vascular Stent Graft (8 mm diameter/40 mm length)

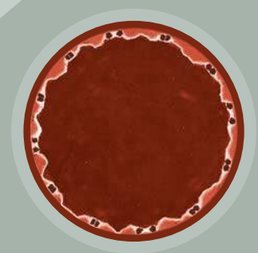
- The **FLUENCY® Plus** Stent Graft consists of a self-expanding Nitinol skeleton, encapsulated with two ultrathin layers of ePTFE
- The luminal surface of the ePTFE is impregnated with Carbon
- Highly radiopaque PUZZLE™ Tantalum Markers provide superior fluoroscopic visualization during the entire Stent Graft placement procedure
- The excellent radial expansion force and the 2mm flared bare Stent Graft ends minimize the risk of dislocation
- Minimal Stent Graft foreshortening during deployment further contributes to placement accuracy
- **FLUENCY® Plus** Stent Grafts are MRI safe and compatible
- Proprietary PUZZLE™ Tantalum Marker technology provides superior visibility of stent graft ends

Continuing the innovation, the **FLUENCY® Plus** Stent Graft now features the **BARD S.A.F.E.®*** DELIVERY SYSTEM including the unique catheter tip, which is formed from the outer sheath. During deployment the new tip disappears from the distal end of the deployment system. During the retraction there is no tip visible on the inner catheter. The tip of the **BARD S.A.F.E.®*** DELIVERY SYSTEM is retracted as part of the outer sheath.

This proprietary delivery system technology features a multifunction braided catheter with optimal balance between shaft **Pushability** and progressive **Flexibility** at the catheter tip, providing excellent **Trackability** to the target lesion site.

- Unique Catheter Tip Design
- Multifunctional Braided Catheter
- Low profile 8F, 9F and 10F delivery systems reduce trauma to the patient

- The soft and atraumatic tip is tapered to fit 0.035 in guide wires
- The "tipless inner catheter" reduces the risk of catheter entanglement post stent graft deployment
- A radiopaque marker band is integrated into the outer sheath and moves towards the handle during stent graft deployment substantially contributing to placement control



Cross section of 8 mm diameter FLUENCY® Plus Vascular Stent Graft at 1 mm oversizing *(in-vitro)*