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ORDIN DE PLATA NR.: 1602                                TIP.DOC. 1 :
                                DATA EMITERII:18 octombrie 2022 :
=====:
PLATITI: 96600-00          LEI: Nouazeci si Sase Mii Sase Sute :
lei 00 bani                                                         :
:
=====:
PLATITOR: (R) "BIOSISTEM          CONTUL DE PLATI/CODUL IBAN :
MLD" S.R.L.                MD95ML00000002251429243 :
                                CODUL FISCAL :1010600028048 / :
:
=====:
PRESTATORUL PLATITOR          CODUL BANCII:
BC"Moldindconbank"S.A. fil."Invest" Chisinau :MOLDMD2X329:
=====:
BENEFICIAR (R) Centrul pen      CONTUL DE PLATI/CODUL IBAN :
tru achizitii publice central MD23TRPCCC518430B01859AA :
izate in sanatate              CODUL FISCAL :1016601000212 / :
:
=====:
PRESTATORUL BENEFICIAR          CODUL BANCII:
Ministerul Finantelor - Trezoreria de Stat :TREZMD2X :
=====:
DESTINATIA PLATII:/P102/96600,00 Pentru : TIPUL TRANSFERULUI :
garantia pentru oferta la procedura de a: NORMAL/URGENT :N:
chizi?ie publica nr. ocds-b3wdpl-MD-1662: :
558388285 din 19.10.2022 : :
: : :
: : L.S. :
=====:
                                CODUL TRANZACTIEI:101: :
DATA PRIMIRII:18/10/2022 : SEMNATURILE :
DATA EXECUTARII: : EMITENTULUI :
:-----:
CONDUCTATOR:Web Poiata Vitalie :
MIIGYwYJKoZiHvcNAQcCoIIGVDCCBlACAQExCzAJBgUrDgMCGgUAMAsGCSqGSIB:

DQEHAaCCBGwggRoMIIDUKADAgECAhNHAACjbilrgFksQ0G4AAAAAKNuMA0GCSq:

SIB3DQEBcWUAMCIxIDAeBgNVBAMTF0NFULQxLUNBLU1vbGRpbmRjb25iYW5rMB4:

DTIxMDEyODExMzgwNVoXDTI0MDEyODExNDgwNVowgZ8xCzAJBgNVBAYTAk1EMRA:
gYDVQQIEwdNb2xkb3ZhmREwDwYDVQQHEwhDaGlzaW5hdTEWMBQGA1UEChMNQml :
-----:
                                (semnatura electronica) :
CONTABIL-SEF:Web Nasedchin Alexandr :
MIIGZwYJKoZiHvcNAQcCoIIGWDCBlQCAQExCzAJBgUrDgMCGgUAMAsGCSqGSIB3:
DQEHAaCCBHAWggRsMIIDVKADAgECAhNHAACjcahRKqbJeg8QAAAAAKNxMA0GCSqG:
SIB3DQEBcWUAMCIxIDAeBgNVBAMTF0NFULQxLUNBLU1vbGRpbmRjb25iYW5rMB4X:
DTIxMDEyODExMzkwOFoXDTI0MDEyODExNDkxOFowgaMxCzAJBgNVBAYTAk1EMRAw:
YDVQQIEwdNb2xkb3ZhmREwDwYDVQQHEwhDaGlzaW5hdTEWMBQGA1UEChMNQmlv :
-----:
L.S.                                (semnatura electronica) :
CONDUCTATOR:                                :
                                (semnatura manuala) :
CONTABIL-SEF:                                :
                                (semnatura manuala) :
SEMNATURA PRESTATORUL          L.S. :
:-----:
MOTIVUL REFUZULUI          : L.S. :
-----:

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**CERTIFICAT**  
**privind lipsa sau existența restanțelor față de bugetul public național**

Nr.  
№ **A2219755**

din  
от **12.10.2022**

**1. Destinația / Назначение**

Pentru participare la proceduri de achizitii publice

**2. Date despre contribuabil / Информация о налогоплательщике**

Denumirea Наименование	Codul fiscal / Numărul de identificare Фискальный код / Идентификационный номер
<b>BIOSISTEM MLD S.R.L.</b>	1010600028048
Adresa sediului de bază (strada, numărul) Адрес основного месторасположения (улица, номер)	Codul - Denumirea localității Код - Наименование населенного пункта
Albisoara nr.16 bl.1 of.7	0150-SEC.RISCANI

**3. Atestarea lipsei sau existenței restanțelor conform datelor Sistemului Informațional Automatizat /  
Подтверждение отсутствия или наличия недоимки согласно данных Информационной автоматизированной системы**

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

**4. Valabil până la / Действителен до 27.10.2022**

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

**Șef DDF Riscani**

Funcția / Должность  
**a DGD**

L.Ș/ М.П.

Executor: **Svetlana Stionovscaia**

Numele și prenumele / Фамилия и имя  
tel: (022)823102



Semnătura/Подпись

**Ana STOICOV**

Numele și prenumele/Фамилия и имя

Este extras din Sistemul Informațional al SFS SIA „Contul curent al contribuabilului”// 12.10.2022 ora 11:40:48  
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)



# BC "MOLDINDCONBANK" S.A. Filiala "Invest"

Republica Moldova, MD-2068  
mun. Chişinău, bd. Moscovei, 14/1  
Tel. : (373-22) 43-44-81, 43-46-24  
Fax : (373-22) 43-44-22  
cod: MOLDM2X329

Data 14. IAN. 2016  
Nr. 03/2 - 19/23

Республика Молдова, MD-2068  
мун. Кишинэу, бул. Московей, 14/1  
Тел. : (373-22) 43-44-81, 43-46-24  
Факс : (373-22) 43-44-22  
код: MOLDM2X329

Filiala „Invest” BC „Moldindconbank” SA confirmă existența contului curent  
in moneda nationala al **“BIOSISTEM MLD” S.R.L. (c/f 1010600028048)**, cu  
**IBAN MD95ML000000002251429243.**

Codul băncii MOLDM2X329.

Director

Nina Turcan

Director financiar



Nina Balmuş

Ex. Diana Brinza  
Tel. 43-45-96

REPUBLICA



MOLDOVA

# CERTIFICAT DE ÎNREGISTRARE

**Societatea cu Răspundere Limitată "BIOSISTEM MLD"**  
— ESTE ÎNREGISTRATĂ LA CAMERA ÎNREGISTRĂRII DE STAT —

*Numărul de identificare de stat - codul fiscal*  
**1010600028048**

*Data înregistrării*

**12.08.2010**

*Data eliberării*

**12.08.2010**

**Svirepova Ludmila, registrator**

*Funcția, numele, prenumele persoanei  
care a eliberat certificatul*

*L. Svirepova*  
semnătura

MD 0101250







**I.P. "AGENȚIA SERVICII PUBLICE"**

Departamentul înregistrare și licențiere a unităților de drept

**EXTRAS**

**din Registrul de stat al persoanelor juridice**

nr. 8506 din 28.04.2021

Denumirea completă: **Societatea cu Răspundere Limitată «BIOSISTEM MLD».**

Denumirea prescurtată: **«BIOSISTEM MLD» S.R.L.**

Forma juridică de organizare: **Societate cu Răspundere Limitată.**

Numărul de identificare de stat și codul fiscal: **1010600028048.**

Data înregistrării de stat: **12.08.2010.**

Sediul: **MD-2001, str. Albișoara, 16/1, ap.(of.) 7, mun. Chișinău, Republica Moldova.**

Obiectul principal de activitate:

- 1 Activitatea farmaceutică;**
- 2 Importul, fabricarea, comercializarea, asistența tehnică și (sau) reparația dispozitivelor medicale și (sau) a opticii;**
- 3 Acordarea asistenței medicale de către instituțiile medico-sanitare private;**
- 4 Comerțul cu ridicata al calculatoarelor, echipamentelor periferice și software-ului;**
- 5 Întreținerea și repararea mașinilor de birou și a tehnicii de calcul;**
- 6 Consultații în domeniul sistemelor de calcul.**

Capitalul social: **5400 lei.**

**Administrator: POIATA VITALIE,**

Asociați:

- 1. POIATA VITALIE 33,40 %**
- 2. NASEDCHIN ALEXANDR 33,30 %**
- 3. KOJEVNIKOV DMITRII 33,30 %.**

Prezentul extras este eliberat în temeiul art. 34 al Legii nr. 220-XVI din 19 octombrie 2007 privind înregistrarea de stat a persoanelor juridice și a întreprinzătorilor individuali și confirmă datele din Registrul de stat la data de: 28.04.2021.

Specialist coordonator  
tel. 022-207-840



**Lazari Aliona**



EB 0358735



## **Lista fondatorilor Biosistem-mld SRL**

<b>Nr.</b>	<b>Nume, Prenume</b>	<b>IDNP</b>
<b>1.</b>	<b>Vitalie Poiata</b>	<b>0983103892591</b>
<b>2.</b>	<b>Alexandr Nasedchin</b>	<b>2002001070747</b>
<b>3.</b>	<b>Dmitrii Kojevnikov</b>	<b>0972305012362</b>

## SITUAȚIILE FINANCIARE

pentru perioada 01.01.2021 - 31.12.2021

Entitatea: BIOSISTEM MLD S.R.L.

Cod CUIO: 40717392

Cod IDNO: 1010600028048

Sediul:

MD:

Raionul(municipiul): 106, DDF RISCANI

Cod CUATM: 0150, SEC.RISCANI

Strada: SECTORUL RISCANI STR.Albisoara nr.16 bl.1 of.7

Activitatea principală: G4646, Comerț cu ridicata al produselor farmaceutice

Forma de proprietate: 16, Proprietate colectivă

Forma organizatorico-juridică: 530, Societăți cu răspundere limitată

Date de contact:

Telefon: +37322808719

WEB:

E-mail: zmi13@mail.ru

Numele și coordonatele al contabilului-șef: DI (dna) Tel.

Numărul mediu al salariaților în perioada de gestiune: 3 persoane.

Persoanele responsabile de semnarea situațiilor financiare\* Nasedchin Alexandr

Unitatea de măsură: leu

## BILANȚUL

Anexa 1

la

Nr. cpt.	Indicatori	Cod rd.	Sold la	
			Începutul perioadei de gestiune	Sfârșitul perioadei de gestiune
1	2	3	4	5
	<b>A C T I V</b>			
	<b>ACTIVE IMOBILIZATE</b>			
	<b>I. Imobilizări necorporale</b>			
	1. Imobilizări necorporale în curs de execuție	010		
	2. Imobilizări necorporale în exploatare, total	020		
	din care:	021		
	2.1. concesiuni, licențe și mărci			
	2.2. drepturi de autor și titluri de protecție	022		
	2.3. programe informatice	023		
	2.4. alte imobilizări necorporale	024		
	3. Fond comercial	030		
	4. Avansuri acordate pentru imobilizări necorporale	040		
	<b>Total imobilizări necorporale</b> (rd.010 + rd.020 + rd.030 + rd.040)	050		
	<b>II. Imobilizări corporale</b>			
	1. Imobilizări corporale în curs de execuție	060		
	2. Terenuri	070		
	3. Mijloace fixe, total	080	2793637	3559998
	din care:	081		
	3.1. clădiri			
	3.2. construcții speciale	082		
	3.3. mașini, utilaje și instalații tehnice	083	2791637	3533108
	3.4. mijloace de transport	084		

A.

3.5. inventar și mobilier	085		26890
3.6. alte mijloace fixe	086	2000	
4. Resurse minerale	090		
5. Active biologice imobilizate	100		
6. Investiții imobiliare	110		
7. Avansuri acordate pentru imobilizări corporale	120		1162136
<b>Total imobilizări corporale</b> (rd.060 + rd.070 + rd.080 + rd.090 + rd.100 + rd.110 + rd.120)	130	2793637	4722134
<b>III. Investiții financiare pe termen lung</b>			
1. Investiții financiare pe termen lung în părți neafiliate	140		
2. Investiții financiare pe termen lung în părți afiliate, total	150		
din care:			
2.1. acțiuni și cote de participație deținute în părțile afiliate	151		
2.2 împrumuturi acordate părților afiliate	152		
2.3 împrumuturi acordate aferente intereselor de participare	153		
2.4 alte investiții financiare	154		
<b>Total investiții financiare pe termen lung</b> (rd.140 + rd.150)	160		
<b>IV. Creanțe pe termen lung și alte active imobilizate</b>			
1. Creanțe comerciale pe termen lung	170		
2. Creanțe ale părților afiliate pe termen lung	180		
inclusiv: creanțe aferente intereselor de participare	181		
3. Alte creanțe pe termen lung	190		
4. Cheltuieli anticipate pe termen lung	200		
5. Alte active imobilizate	210		
<b>Total creanțe pe termen lung și alte active imobilizate</b> (rd.170 + rd.180 + rd.190 + rd.200 + rd.210)	220		
<b>TOTAL ACTIVE IMOBILIZATE</b> (rd.050 + rd.130 + rd.160 + rd.220)	230	2793637	4722134

B.

<b>ACTIVE CIRCULANTE</b>			
<b>I. Stocuri</b>			
1. Materiale și obiecte de mică valoare și scurtă durată	240	51978	5346
2. Active biologice circulante	250		
3. Producția în curs de execuție	260		
4. Produse și mărfuri	270	7221203	9147976
5. Avansuri acordate pentru stocuri	280		
<b>Total stocuri</b> (rd.240 + rd.250 + rd.260 + rd.270 + rd.280)	290	7273181	9153322
<b>II. Creanțe curente și alte active circulante</b>			
1. Creanțe comerciale curente	300	3912218	2182471
2. Creanțe ale părților afiliate curente	310		
inclusiv: creanțe aferente intereselor de participare	311		
3. Creanțe ale bugetului	320	74631	208171
4. Creanțele ale personalului	330		
5. Alte creanțe curente	340		
6. Cheltuieli anticipate curente	350	2	
7. Alte active circulante	360	5756117	1608597
<b>Total creanțe curente și alte active circulante</b> (rd.300 + rd.310 + rd.320 + rd.330 + rd.340 + rd.350 + rd.360)	370	9742968	3999239
<b>III. Investiții financiare curente</b>			
1. Investiții financiare curente în părți neafiliate	380		
2. Investiții financiare curente în părți afiliate, total	390		
din care:			
2.1. acțiuni și cote de participație deținute în părțile afiliate	391		
2.2. împrumuturi acordate părților afiliate	392		
2.3. împrumuturi acordate aferente intereselor de participare	393		



	2.4. alte investiții financiare în părți afiliate	394		
	<b>Total investiții financiare curente</b> (rd.380 + rd.390)	400		
	<b>IV. Numerar și documente bănești</b>	410	3942779	9861933
	<b>TOTAL ACTIVE CIRCULANTE</b> (rd.290 + rd.370 + rd.400 + rd.410)	420	20958928	23014494
	<b>TOTAL ACTIVE</b> (rd.230 + rd.420)	430	23752565	27736628
	<b>P A S I V</b>			
C.	<b>CAPITAL PROPRIU</b>			
	<b>I. Capital social și neînregistrat</b>			
	1. Capital social	440	5400	5400
	2. Capital nevărsat	450	( )	( )
	3. Capital neînregistrat	460		
	4. Capital retras	470	( )	( )
	5. Patrimoniul primit de la stat cu drept de proprietate	480		
	<b>Total capital social și neînregistrat</b> (rd.440 + rd.450 + rd.460 + rd.470 + rd.480)	490	5400	5400
	<b>II. Prime de capital</b>	500		
	<b>III. Rezerve</b>			
	1. Capital de rezervă	510		
	2. Rezerve statutare	520		
	3. Alte rezerve	530		
	<b>Total rezerve</b> (rd.510 + rd.520 + rd.530)	540		
	<b>IV. Profit (pierdere)</b>			
	1. Corecții ale rezultatelor anilor precedenți	550	X	
	2. Profit nerepartizat (pierdere neacoperită) al anilor precedenți	560	20060126	16230339
	3. Profit net (pierdere netă) al perioadei de gestiune	570	X	10403995
	4. Profit utilizat al perioadei de gestiune	580	X	( )
	<b>Total profit (pierdere)</b> (rd.550 + rd.560 + rd.570 + rd.580)	590	20060126	26634334
	<b>V. Rezerve din reevaluare</b>	600		
	<b>VI. Alte elemente de capital propriu</b>	610		
<b>TOTAL CAPITAL PROPRIU</b> (rd.490 + rd.500 + rd.540 + rd.590 + rd.600 + rd.610)	620	20065526	26639734	
D.	<b>DATORII PE TERMEN LUNG</b>			
	1. Credite bancare pe termen lung	630		
	2. Împrumuturi pe termen lung	640		
	din care:	641		
	2.1. împrumuturi din emisiunea de obligațiuni	642		
	inclusiv: împrumuturi din emisiunea de obligațiuni convertibile	643		
	2.2. alte împrumuturi pe termen lung	643		
	3. Datorii comerciale pe termen lung	650		
	4. Datorii față de părțile afiliate pe termen lung	660		
	inclusiv: datorii aferente intereselor de participare	661		
	5. Avansuri primite pe termen lung	670		
	6. Venituri anticipate pe termen lung	680		
	7. Alte datorii pe termen lung	690		
<b>TOTAL DATORII PE TERMEN LUNG</b> (rd.630 + rd.640 + rd.650 + rd.660 + rd.670 + rd.680 + rd.690)	700			
<b>DATORII CURENTE</b>				
1. Credite bancare pe termen scurt	710			
2. Împrumuturi pe termen scurt, total	720			

E.	din care:	721		
	2.1. împrumuturi din emisiunea de obligațiuni	721		
	inclusiv: împrumuturi din emisiunea de obligațiuni convertibile	722		
	2.2. alte împrumuturi pe termen scurt	723		
	3. Datorii comerciale curente	730	3252667	343711
	4. Datorii față de părțile afiliate curente	740		
	inclusiv: datorii aferente intereselor de participare	741		
	5. Avansuri primite curente	750	188105	355528
	6. Datorii față de personal	760	50	350
	7. Datorii privind asigurările sociale și medicale	770		
	8. Datorii față de buget	780	187676	150263
	9. Datorii față de proprietari	790		
	10. Venituri anticipate curente	800		
11. Alte datorii curente	810	58541	247042	
<b>TOTAL DATORII CURENTE</b> (rd.710 + rd.720 + rd.730 + rd.740 + rd.750 + rd.760 + rd.770 + rd.780 + rd.790 + rd.800 + rd.810)	820	3687039	1096894	
F.	<b>PROVIZIOANE</b>			
	1. Provizioane pentru beneficiile angajaților	830		
	2. Provizioane pentru garanții acordate cumpărătorilor/clientilor	840		
	3. Provizioane pentru impozite	850		
	4. Alte provizioane	860		
	<b>TOTAL PROVIZIOANE</b> (rd.830 + rd.840 + rd.850 + rd.860)	870		
	<b>TOTAL PASIVE</b> (rd.620 + rd.700 + rd.820 + rd.870)	880	23752565	27736628

## SITUAȚIA DE PROFIT ȘI PIERDERE

de la pînă la

Anexa 2

Indicatori	Cod rd.	Perioada de gestiune	
		precedenta	curenta
1	2	3	4
Venituri din vânzări, total	010	25963175	38680547
din care:			
venituri din vânzarea produselor și mărfurilor	011	25044358	37724557
venituri din prestarea serviciilor și executarea lucrărilor	012	918817	951393
venituri din contracte de construcție	013		
venituri din contracte de leasing	014		
venituri din contracte de microfinanțare	015		
alte venituri din vânzări	016		4597
Costul vânzărilor, total	020	15186814	24434231
din care:			
valoarea contabilă a produselor și mărfurilor vândute	021	15186814	24433364
costul serviciilor prestate și lucrărilor executate terților	022		
costuri aferente contractelor de construcție	023		
costuri aferente contractelor de leasing	024		
costuri aferente contractelor de microfinanțare	025		
alte costuri aferente vânzărilor	026		867
<b>Profit brut (pierdere brută)</b> (rd.010 - rd.020)	030	10776361	14246316
Alte venituri din activitatea operațională	040	247603	5189
Cheltuieli de distribuire	050	19740	6076
Cheltuieli administrative	060	1259776	1788732
Alte cheltuieli din activitatea operațională	070	640169	1870642
<b>Rezultatul din activitatea operațională: profit (pierdere)</b> (rd.030 + rd.040 - rd.050 - rd.060 - rd.070)	080	9104279	10586055

Venituri financiare, total	090	519239	1517765
din care:	091		
venituri din interese de participare			
inclusiv: veniturile obținute de la părțile afiliate	092		
venituri din dobânzi	093	25612	30619
inclusiv: veniturile obținute de la părțile afiliate	094		
venituri din alte investiții financiare pe termen lung	095		
inclusiv: veniturile obținute de la părțile afiliate	096		
venituri aferente ajustărilor de valoare privind investițiile financiare pe termen lung și curente	097		
venituri din ieșirea investițiilor financiare	098		
venituri aferente diferențelor de curs valutar și de sumă	099	493627	1487146
Cheltuieli financiare, total	100	597528	249562
din care:	101		
cheltuieli privind dobânzile			
inclusiv: cheltuielile aferente părților afiliate	102		
cheltuieli aferente ajustărilor de valoare privind investițiile financiare pe termen lung și curente	103		
cheltuieli aferente ieșirii investițiilor financiare	104		
cheltuieli aferente diferențelor de curs valutar și de sumă	105	597528	249562
<b>Rezultatul: profit (pierdere) financiar(ă)</b> (rd.090 - rd.100)	110	-78289	1268203
Venituri cu active imobilizate și excepționale	120		
Cheltuieli cu active imobilizate și excepționale	130		
<b>Rezultatul din operațiuni cu active imobilizate și excepționale: profit (pierdere)</b> (rd.120 - rd.130)	140		
<b>Rezultatul din alte activități: profit (pierdere)</b> (rd.110 + rd.140)	150	-78289	1268203
<b>Profit (pierdere) pînă la impozitare</b> (rd.080 + rd.150)	160	9025990	11854258
Cheltuieli privind impozitul pe venit	170	1051159	1450263
<b>Profit net (pierdere netă) al perioadei de gestiune</b> (rd.160 - rd.170)	180	7974831	10403995

## SITUAȚIA MODIFICĂRILOR CAPITALULUI PROPRIU

de la pînă la

Anexa 3

Nr. d/o	Indicatori	Cod rd	Sold la începutul perioadei de gestiune	Majorări	Diminuări	Sold la sfîrșitul perioadei de gestiune
1	2	3	4	5	6	7
I.	<b>Capital social și neînregistrat</b>					
	1. Capital social	010				
	2. Capital nevărsat	020	( )	( )	( )	( )
	3. Capital neînregistrat	030				
	4. Capital retras	040	( )	( )	( )	( )
	5. Patrimoniul primit de la stat cu drept de proprietate	050				
	<b>Total capital social și neînregistrat</b> (rd.010 + rd.020 + rd.030 + rd.040 + rd.050)	060				
II.	<b>Prime de capital</b>	070				
III.	<b>Rezerve</b>					
	1. Capital de rezervă	080				
	2. Rezerve statutare	090				
	3. Alte rezerve	100				
	<b>Total rezerve</b> (rd.080 + rd.090 + rd.100)	110				
	<b>Profit (pierdere)</b>					
	1. Corecții ale rezultatelor anilor precedenți	120	X			

IV.	2. Profit nerepartizat (pierdere neacoperită) al anilor precedenți	130			
	3. Profit net (pierdere netă) al perioadei de gestiune	140	X		
	4. Profit utilizat al perioadei de gestiune	150	X	( )	( )
	<b>Total profit (pierdere)</b> (rd.120 + rd.130 + rd.140 + rd.150)	160			
V.	<b>Rezerve din reevaluare</b>	170			
VI.	<b>Alte elemente de capital propriu</b>	180			
	<b>Total capital propriu</b> (rd.060 + rd.070 + rd.110 + rd.160 + rd.170 + rd.180)	190			

## SITUAȚIA FLUXURILOR DE NUMERAR

de la pînă la

Anexa 4

Indicatori	Cod rd	Perioada de gestiune	
		precedentă	curentă
1	2	3	4
<b>Fluxuri de numerar din activitatea operațională</b>			
Încasări din vânzări	010		
Plăți pentru stocuri și servicii procurate	020		
Plăți către angajați și organe de asigurare socială și medicală	030		
Dobînzi plătite	040		
Plata impozitului pe venit	050		
Alte încasări	060		
Alte plăți	070		
<b>Fluxul net de numerar din activitatea operațională</b> (rd.010 - rd.020 - rd.030 - rd.040 - rd.050 + rd.060 - rd.070)	080		
<b>Fluxuri de numerar din activitatea de investiții</b>			
Încasări din vânzarea activelor imobilizate	090		
Plăți aferente intrărilor de active imobilizate	100		
Dobînzi încasate	110		
Dividende încasate	120		
inclusiv: dividende încasate din străinătate	121		
Alte încasări (plăți)	130		
<b>Fluxul net de numerar din activitatea de investiții</b> (rd.090 - rd.100 + rd.110 + rd.120 ± rd.130)	140		
<b>Fluxuri de numerar din activitatea financiară</b>			
Încasări sub formă de credite și împrumuturi	150		
Plăți aferente rambursării creditelor și împrumuturilor	160		
Dividende plătite	170		
inclusiv: dividende plătite nerezidenților	171		
Încasări din operațiuni de capital	180		
Alte încasări (plăți)	190		
<b>Fluxul net de numerar din activitatea financiară</b> (rd.150 - rd.160 - rd.170 + rd.180 ± rd.190)	200		
<b>Fluxul net de numerar total</b> (± rd.080 ± rd.140 ± rd.200)	210		
Diferențe de curs valutar favorabile (nefavorabile)	220		
<b>Sold de numerar la începutul perioadei de gestiune</b>	230		
<b>Sold de numerar la sfîrșitul perioadei de gestiune</b> (± rd.210 ± rd.220 + rd.230)	240		

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## Расписка 2

Респондент

Фискальный код: 1010600028048, наименование: BIOSISTEM MLD S.R.L.

Предоставил отчёт: RSF1\_21

На фискальный период: A/2021

Дата предоставления: 29.03.2022

Временная метка отчёта зарегистрированного в Информационной Системе НБС : 29.03.2022  
17:25:45

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## Расписка

Респондент

Фискальный код: 1010600028048, наименование: BIOSISTEM MLD S.R.L.

Предоставил отчёт: RSF1\_21

На фискальный период: A/2021

Дата предоставления: 29.03.2022

Временная метка отчёта зарегистрированного в Системе Электронной Отчётности и отправленного в Информационную Систему БНС : 29.03.2022 14:51:06

# TRUE DILATATION™

Balloon Valvuloplasty Catheter

**Bard Peripheral Vascular**

**2014** PRODUCT LIST

CONQUEST® 40

PTA Dilatation Catheter

ATLAS® GOLD

PTA Dilatation Catheter

SIDEKICK®

Support Catheter

BARD®

Snare Retrieval Kit

DENALI®

Vena Cava Filter

USHER®

Support Catheter

VIDA™

PTV Dilatation Catheter

POWERPORT® CLEARVUE®

Implantable Port

**BARD**

**PERIPHERAL VASCULAR**



# TERMS AND CONDITIONS OF SALE

The following terms and conditions of sale constitute an integral part of this Bard Peripheral Vascular, Inc. ("BPV") product price list (the "Price List") and are applicable to all purchase orders. All prices and terms are subject to change.

## I. Acceptance of Purchase Orders

All purchase orders are subject to acceptance at BPV's customer service department located in Tempe, Arizona and will be deemed accepted only when confirmed in writing or upon BPV's commencement of performance. For convenience, customers may place purchase orders or make inquiries (between the hours of 6:00 a.m. – 4:30 p.m. Arizona Time, Monday – Friday, exclusive of all federal and state holidays) by calling toll free at 1-800-321-4254 or by toll free fax at 1-800-440-5376.

Mail purchase orders to:

**Bard Peripheral Vascular, Inc.**  
P.O. Box 1740  
Tempe, AZ 85280-1740  
Attn: Customer Service

## II. Payment Terms

Payment is due no later than 30 days from the date of the invoice.

## III. Additional Charges

All applicable excise, sales, or other taxes will be invoiced to customer and are not included in product prices.

## IV. Shipping and Related Charges

*Standard Shipments:* Terms of sale on all purchase orders are F.O.B. shipping point. Each purchase order will incur a shipping and handling charge of \$30.00. All shipments of product will be placed with the carrier for requested 2-day delivery.

*Expedited Shipments:* Customers requiring expedited delivery will be invoiced for the charge associated with the expedited delivery, but not less than \$40.00.

*Shipping Damage:* Although BPV takes special care in the packaging of its products, damage may occur in transit. All products must be inspected and any damage noted on the freight bill and reported to the carrier, upon receipt of product. Although BPV's responsibility for damage ceases upon deposit with carrier, BPV may extend assistance in helping customers settle damage claims.

## V. Return Goods and Allowance Policy

*Return Authorization/Repairs:* Customer must obtain a return authorization number from BPV before any BPV product can be returned for repair, replacement, refund, or credit. To obtain a return authorization number, customer must provide BPV with: (1) the BPV catalog number and quantity of BPV product to be returned; (2) the reason for the return/repair; (3) a description of the BPV product being returned for repair; (4) the name and telephone number of a customer contact who may be called if BPV requires further information; and (5) at least one of the following: (i) the applicable customer purchase order number; (ii) the applicable BPV invoice number; or (iii) the applicable BPV product lot or serial number. A purchase order is required for all repairs even in situations where there is no charge. If the BPV product to be repaired is covered by a written limited product warranty, a copy of the original invoice must be sent with the BPV product. The cost of any repair not covered by a written limited product warranty must be paid by the customer.

*Non-Returnable Products:* Customer is not entitled to return, and is not eligible to receive repair, replacement, refund, or credit for any BPV product described below (collectively, "Non-Returnable Products"):

- product damaged in transit;
- product shipped in error and returned more than 30 days after the date of the applicable BPV invoice (unless such product is subject to a recall arising out of the negligent acts or omissions of BPV (a "Qualified Recall"));
- non-defective product returned in a quantity less than BPV's original unit of sale;
- non-defective product returned more than 90 days after date of applicable BPV invoice (unless part of a Qualified Recall);
- defective product returned after expiration of the applicable warranty period (unless part of a Qualified Recall);
- product sold non-sterile that has been subjected to sterilization processing;
- product sold for single use that has been re-used or re-processed;
- product that has been altered, further manufactured, packaged, processed, abused, or misused;
- product that has been adjusted or repaired by anyone other than BPV or a person or entity authorized in writing by BPV; or
- product that is a "custom" device unless such product is defective for a reason other than manufacture to customer's specifications.

*Authorized Return Products and Freight Charges:* With regard to those BPV products (other than Non-Returnable Products) for which customer has obtained a return authorization number, BPV will accept returns of such products if they are: (1) determined by BPV to be defective and returned within the applicable warranty period; (2) not defective, in saleable condition and returned within 90 days of the corresponding BPV invoice date; (3) subject to a Qualified Recall; or (4) returned within 30 days of the corresponding BPV invoice date and represent product shipped in error by BPV (such products, collectively, "Authorized Return Products"). All Authorized Return Products must be returned freight prepaid by customer. Any Authorized Return Product returned freight collect will be refused by BPV and returned to customer at its expense. BPV will, at its option, refund or credit customer for all freight charges incurred in connection with returning to BPV any Authorized Return Product.

*Allowance Schedule for Authorized Return Products:* For those Authorized Return Products that BPV has elected to provide a refund or credit, BPV will pay a refund or issue a credit to customer within 30 days of BPV's receipt of the Authorized Return Product, based on the original purchase price, in accordance with the following:

Condition	Credit
Defective product returned within the applicable product warranty period	Full Credit*
Non-defective product returned in saleable condition within 45 days of corresponding BPV invoice date	Full Credit*
Non-defective product returned in saleable condition within 46-90 days of corresponding BPV invoice date	Full Credit* minus 20% reprocessing charge (minimum \$10.00 charge)
Product shipped in error by BPV and returned in saleable condition within 30 days of corresponding BPV invoice date	Full Credit*
Product subject to a Qualified Recall	Full Credit*

\*Less any credits issued by BPV to customer with respect to such product.

## VI. Confidentiality

Customer will not disclose to any third party these terms and conditions, including the Price List, or any other information provided by BPV to customer, without BPV's prior written approval, except as may be required by law or by lawful order of any applicable government agency.

## VII. Limited Product Warranty; Disclaimer and Limitation of Liability

BPV warrants to the original purchaser that each BPV product set forth in the Price List will be free from defects in material and workmanship for the period set forth in the labeling of the particular BPV product or, if no such period is set forth in the labeling, for a period of one (1) year from the date of purchase. Defective BPV product may be returned to BPV for repair, replacement, refund or credit, at BPV's option, in accordance with BPV's return goods and allowance policy. Any alteration, abuse, misuse, further manufacture, packaging, processing, adjustment or repair by any person or entity other than BPV or a person or entity authorized in writing by BPV shall void this limited product warranty ab initio. THIS LIMITED PRODUCT WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY AND REMEDY STATED IN THIS LIMITED PRODUCT WARRANTY WILL BE THE SOLE LIABILITY OF BPV, AND REMEDY AVAILABLE TO CUSTOMER, FOR BPV PRODUCTS WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, AND BPV WILL NOT BE LIABLE TO CUSTOMER FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE HANDLING OR USE OF BPV PRODUCTS EVEN IF BPV HAS BEEN ADVISED OF THE POSSIBILITY OR LIKELIHOOD OF SUCH DAMAGES. IN NO EVENT WILL BPV BE LIABLE FOR ANY CLAIM, LOSS OR DAMAGE ARISING OUT OF OR RELATING TO, IN WHOLE OR IN PART, ANY PURCHASE ORDER, THESE TERMS AND CONDITIONS OF SALE, OR ANY BPV PRODUCT, WHETHER IN CONTRACT, TORT, NEGLIGENCE OR OTHERWISE, IN EXCESS OF THE AMOUNT PAID BY CUSTOMER TO BPV PURSUANT TO THE PURCHASE ORDER TO WHICH SUCH CLAIM, LOSS OR DAMAGE RELATES.

## VIII. Product Changes

All products and product specifications identified in the Price List are based upon the information available to BPV at the time of publication. BPV reserves the right to discontinue any product or to change any product specifications without notice.

## IX. Termination

Any customer purchase order may be terminated by BPV as follows: (1) upon 30 days' prior written notice to customer; (2) effective immediately, if customer commits a material breach of any provision of the purchase order or these terms and conditions and such breach continues for a period of 30 days following written notice; or (3) effective immediately, if the customer files, or has filed against it, a petition for voluntary or involuntary bankruptcy or pursuant to any other insolvency law or makes or seeks to make a general assignment for the benefit of its creditors or applies for or consents to the appointment of a trustee, receiver, or custodian for its or a substantial part of its property.

## X. Force Majeure

BPV will not be liable for its failure to perform, or any delay in performance, due to strikes, fire, explosion, flood, riot, lock out, injunction, interruption of transportation, unavoidable accidents, acts of government or a public enemy, terrorism, inability to obtain supplies at reasonable prices, or any other causes beyond its control.

## XI. Choice of Law

These terms and conditions shall be governed by and construed in accordance with the laws of the State of Arizona as applicable to contracts made and to be performed in that state, without regard to conflicts of laws principles.

## XII. General

NONE OF THE FOREGOING TERMS AND CONDITIONS MAY BE MODIFIED EXCEPT UPON BPV'S EXPRESS WRITTEN CONSENT STATING THAT IT IS AN AMENDMENT OR MODIFICATION THERETO.

In the event of any inconsistency between these terms and conditions of sale and those contained in any purchase order, purchase order release, confirmation, acceptance, or any similar document, these terms and conditions of sale shall prevail.

These terms and conditions of sale constitute the entire understanding between BPV and customer and supersede all prior terms and conditions of sale published by BPV, in each case, related to the subject matter hereof.

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# ANGIOPLASTY

## ATLAS® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
AT75122	12	2	75	6	18	7	1
AT120122	12	2	120	6	18	7	1
AT75124	12	4	75	6	18	7	1
AT120124	12	4	120	6	18	7	1
AT75126	12	6	75	6	18	7	1
AT75142	14	2	75	6	18	7	1
AT120142	14	2	120	6	18	7	1
AT75144	14	4	75	6	18	7	1
AT120144	14	4	120	6	18	7	1
AT75146	14	6	75	6	18	8	1
AT75162	16	2	75	6	18	8	1
AT120162	16	2	120	6	18	8	1
AT75164	16	4	75	6	18	8	1
AT120164	16	4	120	6	18	8	1
AT75166	16	6	75	6	16	8	1
AT75182	18	2	75	6	16	8	1
AT120182	18	2	120	6	16	8	1
AT75184	18	4	75	6	16	8	1
AT120184	18	4	120	6	16	8	1
AT75186	18	6	75	6	16	9	1
AT75202	20	2	75	6	16	9	1
AT120202	20	2	120	6	16	9	1
AT75204	20	4	75	6	16	9	1
AT120204	20	4	120	6	16	9	1
AT75222	22	2	75	4	14	10	1
AT75224	22	4	75	4	14	10	1
AT75242	24	2	75	4	14	10	1
AT75244	24	4	75	4	14	10	1
AT75262	26	2	75	4	12	12	1
AT75264	26	4	75	4	12	12	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## ATLAS® GOLD PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
ATG80122	12	2	80	6	18	7	1
ATG120122	12	2	120	6	18	7	1
ATG80124	12	4	80	6	18	7	1
ATG120124	12	4	120	6	18	7	1
ATG80126	12	6	80	6	18	7	1
ATG120126	12	6	120	6	18	7	1
ATG80142	14	2	80	6	18	7	1
ATG120142	14	2	120	6	18	7	1
ATG80144	14	4	80	6	18	7	1
ATG120144	14	4	120	6	18	7	1
ATG80146	14	6	80	6	18	8	1
ATG120146	14	6	120	6	18	8	1
ATG80162	16	2	80	6	18	8	1
ATG120162	16	2	120	6	18	8	1
ATG80164	16	4	80	6	18	8	1
ATG120164	16	4	120	6	18	8	1
ATG80166	16	6	80	6	16	8	1
ATG120166	16	6	120	6	16	8	1
ATG80182	18	2	80	6	16	8	1
ATG120182	18	2	120	6	16	8	1
ATG80184	18	4	80	6	16	8	1
ATG120184	18	4	120	6	16	8	1
ATG80186	18	6	80	6	16	9	1
ATG120186	18	6	120	6	16	9	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## ATLAS® GOLD PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
ATG80202	20	2	80	6	16	9	1
ATG120202	20	2	120	6	16	9	1
ATG80204	20	4	80	6	16	9	1
ATG120204	20	4	120	6	16	9	1
ATG80222	22	2	80	4	14	10	1
ATG120222	22	2	120	4	14	10	1
ATG80224	22	4	80	4	14	10	1
ATG120224	22	4	120	4	14	10	1
ATG80242	24	2	80	4	14	10	1
ATG120242	24	2	120	4	14	10	1
ATG80244	24	4	80	4	14	10	1
ATG120244	24	4	120	4	14	10	1
ATG80262	26	2	80	4	12	12	1
ATG120262	26	2	120	4	12	12	1
ATG80264	26	4	80	4	12	12	1
ATG120264	26	4	120	4	12	12	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## CALIBER® Inflation Device

PRODUCT CODE	DESCRIPTION	UNITS/CASE
CL3030	(Sterile - Disposable with 30 cc barrel)	6



# ANGIOPLASTY

## CONQUEST® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
CQ5052	5	2	50	8	30	6	1
CQ7552	5	2	75	8	30	6	1
CQ12054	5	2	120	8	30	6	1
CQ5054	5	4	50	8	30	6	1
CQ7554	5	4	75	8	30	6	1
CQ5058	5	8	50	8	27	6	1
CQ7558	5	8	75	8	27	6	1
CQ5062	6	2	50	8	30	6	1
CQ7562	6	2	75	8	30	6	1
CQ12062	6	2	120	8	30	6	1
CQ5064	6	4	50	8	30	6	1
CQ7564	6	4	75	8	30	6	1
CQ12064	6	4	120	8	30	6	1
CQ5068	6	8	50	8	27	6	1
CQ7568	6	8	75	8	27	6	1
CQ5072	7	2	50	8	30	6	1
CQ7572	7	2	75	8	30	6	1
CQ12072	7	2	120	8	30	6	1
CQ5074	7	4	50	8	30	6	1
CQ7574	7	4	75	8	30	6	1
CQ12074	7	4	120	8	30	6	1
CQ5076	7	6	50	8	27	6	1
CQ7576	7	6	75	8	27	6	1
CQ5078	7	8	50	8	27	6	1
CQ7578	7	8	75	8	27	6	1
CQ5082	8	2	50	8	27	6	1
CQ7582	8	2	75	8	27	6	1
CQ12082	8	2	120	8	27	6	1
CQ5083	8	3	50	8	27	6	1
CQ7583	8	3	75	8	27	6	1
CQ5084	8	4	50	8	27	6	1
CQ7584	8	4	75	8	27	6	1
CQ12084	8	4	120	8	27	6	1
CQ5086	8	6	50	8	25	6	1
CQ7586	8	6	75	8	25	6	1
CQ5088	8	8	50	8	25	6	1
CQ7588	8	8	75	8	25	6	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## CONQUEST® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
CQ5092	9	2	50	8	26	7	1
CQ7592	9	2	75	8	26	7	1
CQ5094	9	4	50	8	26	7	1
CQ7594	9	4	75	8	26	7	1
CQ12094	9	4	120	8	26	7	1
CQ75102	10	2	75	8	24	7	1
CQ75104	10	4	75	8	24	7	1
CQ120104	10	4	120	8	24	7	1
CQ75122	12	2	75	8	20	8	1
CQ75124	12	4	75	8	20	8	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## CONQUEST® 40 PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
CQF5042	4	2	50	8	40	6	1
CQF7542	4	2	75	8	40	6	1
CQF5044	4	4	50	8	40	6	1
CQF7544	4	4	75	8	40	6	1
CQF5046	4	6	50	8	40	6	1
CQF7546	4	6	75	8	40	6	1
CQF5048	4	8	50	8	40	6	1
CQF7548	4	8	75	8	40	6	1
CQF50410	4	10	50	8	40	6	1
CQF75410	4	10	75	8	40	6	1
CQF5052	5	2	50	8	40	6	1
CQF7552	5	2	75	8	40	6	1
CQF5054	5	4	50	8	40	6	1
CQF7554	5	4	75	8	40	6	1
CQF5056	5	6	50	8	40	6	1
CQF7556	5	6	75	8	40	6	1
CQF5058	5	8	50	8	40	6	1
CQF7558	5	8	75	8	40	6	1
CQF50510	5	10	50	8	40	6	1
CQF75510	5	10	75	8	40	6	1
CQF5062	6	2	50	8	40	6	1
CQF7562	6	2	75	8	40	6	1
CQF5064	6	4	50	8	40	6	1
CQF7564	6	4	75	8	40	6	1
CQF5066	6	6	50	8	40	6	1
CQF7566	6	6	75	8	40	6	1
CQF5068	6	8	50	8	40	6	1
CQF7568	6	8	75	8	40	6	1
CQF50610	6	10	50	8	40	6	1
CQF75610	6	10	75	8	40	6	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## CONQUEST® 40 PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
CQF5072	7	2	50	8	40	6	1
CQF7572	7	2	75	8	40	6	1
CQF5074	7	4	50	8	40	6	1
CQF7574	7	4	75	8	40	6	1
CQF5076	7	6	50	8	40	6	1
CQF7576	7	6	75	8	40	6	1
CQF5078	7	8	50	8	40	6	1
CQF7578	7	8	75	8	40	6	1
CQF50710	7	10	50	8	40	6	1
CQF75710	7	10	75	8	40	6	1
CQF5082	8	2	50	8	40	6	1
CQF7582	8	2	75	8	40	6	1
CQF5083	8	3	50	8	40	6	1
CQF7583	8	3	75	8	40	6	1
CQF5084	8	4	50	8	40	6	1
CQF7584	8	4	75	8	40	6	1
CQF5086	8	6	50	8	35	6	1
CQF7586	8	6	75	8	35	6	1
CQF5088	8	8	50	8	35	6	1
CQF7588	8	8	75	8	35	6	1
CQF50810	8	10	50	8	35	6	1
CQF75810	8	10	75	8	35	6	1
CQF5092	9	2	50	8	35	7	1
CQF7592	9	2	75	8	35	7	1
CQF5094	9	4	50	8	35	7	1
CQF7594	9	4	75	8	35	7	1
CQF5098	9	8	50	8	35	7	1
CQF7598	9	8	75	8	35	7	1
CQF75102	10	2	75	8	35	7	1
CQF75104	10	4	75	8	35	7	1
CQF75108	10	8	75	8	35	7	1
CQF75122	12	2	75	8	30	8	1
CQF75124	12	4	75	8	30	8	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

For Ordering or Information: **1.800.321.4254**

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Please consult package inserts for more detailed safety information and instructions for use.

# ANGIOPLASTY

## DORADO® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
DR8032	3	2	80	8	24	5	1
DR13532	3	2	135	8	24	5	1
DR8034	3	4	80	8	24	5	1
DR13534	3	4	135	8	24	5	1
DR80310	3	10	80	8	24	5	1
DR135310	3	10	135	8	24	5	1
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DR4042	4	2	40	8	24	5	1
DR8042	4	2	80	8	24	5	1
DR13542	4	2	135	8	24	5	1
DR4044	4	4	40	8	24	5	1
DR8044	4	4	80	8	24	5	1
DR12044	4	4	120	8	24	5	1
DR13544	4	4	135	8	24	5	1
DR80410	4	10	80	8	24	5	1
DR120410	4	10	120	8	24	5	1
DR135410	4	10	135	8	24	5	1
DR135412	4	12	135	8	24	5	1
DR135415	4	15	135	8	24	5	1
DR135417	4	17	135	8	24	5	1
DR135420	4	20	135	8	24	5	1
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DR4052	5	2	40	8	24	5	1
DR8052	5	2	80	8	24	5	1
DR12052	5	2	120	8	24	5	1
DR13552	5	2	135	8	24	5	1
DR4054	5	4	40	8	24	5	1
DR8054	5	4	80	8	24	5	1
DR12054	5	4	120	8	24	5	1
DR13554	5	4	135	8	24	5	1
DR8056	5	6	80	8	24	5	1
DR13556	5	6	135	8	24	5	1
DR8058	5	8	80	8	24	5	1
DR13558	5	8	135	8	24	5	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty



# ANGIOPLASTY

## DORADO® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
DR80510	5	10	80	8	24	5	1
DR120510	5	10	120	8	24	5	1
DR135510	5	10	135	8	24	5	1
DR135512	5	12	135	8	24	6	1
DR135515	5	15	135	8	24	6	1
DR135517	5	17	135	8	24	6	1
DR135520	5	20	135	8	24	6	1
DR4062	6	2	40	8	24	6	1
DR8062	6	2	80	8	24	6	1
DR12062	6	2	120	8	24	6	1
DR13562	6	2	135	8	24	6	1
DR4064	6	4	40	8	24	6	1
DR8064	6	4	80	8	24	6	1
DR12064	6	4	120	8	24	6	1
DR13564	6	4	135	8	24	6	1
DR8066	6	6	80	8	24	6	1
DR13566	6	6	135	8	24	6	1
DR8068	6	8	80	8	24	6	1
DR13568	6	8	135	8	24	6	1
DR80610	6	10	80	8	22	6	1
DR120610	6	10	120	8	22	6	1
DR135610	6	10	135	8	22	6	1
DR80612	6	12	80	8	24	6	1
DR135612	6	12	135	8	24	6	1
DR80615	6	15	80	8	24	6	1
DR135615	6	15	135	8	24	6	1
DR80617	6	17	80	8	24	6	1
DR135617	6	17	135	8	24	6	1
DR80620	6	20	80	8	24	6	1
DR135620	6	20	135	8	24	6	1
DR4072	7	2	40	8	22	6	1
DR8072	7	2	80	8	22	6	1
DR13572	7	2	135	8	22	6	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## DORADO® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
DR4074	7	4	40	8	22	6	1
DR8074	7	4	80	8	22	6	1
DR12074	7	4	120	8	22	6	1
DR13574	7	4	135	8	22	6	1
DR8076	7	6	80	8	22	6	1
DR8078	7	8	80	8	22	6	1
DR80710	7	10	80	8	22	6	1
DR120710	7	10	120	8	22	6	1
DR135710	7	10	135	8	22	6	1
DR80712	7	12	80	8	24	5	1
DR135712	7	12	135	8	24	5	1
DR80715	7	15	80	8	24	5	1
DR135715	7	15	135	8	24	5	1
DR80717	7	17	80	8	24	5	1
DR135717	7	17	135	8	24	5	1
DR80720	7	20	80	8	24	5	1
DR135720	7	20	135	8	24	5	1
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DR4082	8	2	40	8	22	6	1
DR8082	8	2	80	8	22	6	1
DR13582	8	2	135	8	22	6	1
DR4084	8	4	40	8	22	6	1
DR8084	8	4	80	8	22	6	1
DR12084	8	4	120	8	22	6	1
DR13584	8	4	135	8	22	6	1
DR8086	8	6	80	8	22	6	1
DR8088	8	8	80	8	22	6	1
DR80810	8	10	80	8	20	6	1
DR135810	8	10	135	8	20	6	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## DORADO® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
DR8092	9	2	80	8	20	6	1
DR4094	9	4	40	8	20	6	1
DR8094	9	4	80	8	20	6	1
DR13594	9	4	135	8	20	6	1
DR8098	9	8	80	8	20	6	1
DR80102	10	2	80	8	20	6	1
DR135102	10	2	135	8	20	6	1
DR80104	10	4	80	8	20	6	1
DR120104	10	4	120	8	20	6	1
DR135104	10	4	135	8	20	6	1
DR80108	10	8	80	8	20	7	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty



# ANGIOPLASTY

## RIVAL® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
RV8032	3	2	80	8	16	5	1
RV13532	3	2	135	8	16	5	1
RV8034	3	4	80	8	16	5	1
RV13534	3	4	135	8	16	5	1
RV80310	3	10	80	8	16	5	1
RV135310	3	10	135	8	16	5	1
RV8042	4	2	80	8	14	5	1
RV13542	4	2	135	8	14	5	1
RV8044	4	4	80	8	14	5	1
RV13544	4	4	135	8	14	5	1
RV80410	4	10	80	8	12	5	1
RV135410	4	10	135	8	12	5	1
RV80415	4	15	80	8	12	5	1
RV135415	4	15	135	8	12	5	1
RV8052	5	2	80	8	14	5	1
RV13552	5	2	135	8	14	5	1
RV8054	5	4	80	8	14	5	1
RV13554	5	4	135	8	14	5	1
RV8056	5	6	80	8	14	5	1
RV13556	5	6	135	8	14	5	1
RV8058	5	8	80	8	14	5	1
RV13558	5	8	135	8	14	5	1
RV80510	5	10	80	8	12	5	1
RV135510	5	10	135	8	12	5	1
RV80515	5	15	80	8	12	5	1
RV135515	5	15	135	8	12	5	1
RV8062	6	2	80	8	14	5	1
RV13562	6	2	135	8	14	5	1
RV8064	6	4	80	8	14	5	1
RV13564	6	4	135	8	14	5	1
RV8066	6	6	80	8	14	5	1
RV13566	6	6	135	8	14	5	1
RV8068	6	8	80	8	14	5	1
RV13568	6	8	135	8	14	5	1
RV80610	6	10	80	8	12	5	1
RV135610	6	10	135	8	12	5	1
RV80615	6	15	80	8	12	6	1
RV135615	6	15	135	8	12	6	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

16 For Ordering or Information: **1.800.321.4254**

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Please consult package inserts for more detailed safety information and instructions for use.

# ANGIOPLASTY

## RIVAL® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		SHAFT LENGTH (CM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE (ATM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)					
RV8072	7	2	80	8	14	6	1
RV13572	7	2	135	8	14	6	1
RV8074	7	4	80	8	14	6	1
RV13574	7	4	135	8	14	6	1
RV8076	7	6	80	8	14	6	1
RV13576	7	6	135	8	14	6	1
RV8078	7	8	80	8	14	6	1
RV13578	7	8	135	8	14	6	1
RV8082	8	2	80	6	14	6	1
RV13582	8	2	135	6	14	6	1
RV8084	8	4	80	6	14	6	1
RV13584	8	4	135	6	14	6	1
RV8086	8	6	80	6	14	6	1
RV13586	8	6	135	6	14	6	1
RV8088	8	8	80	6	14	6	1
RV13588	8	8	135	6	14	6	1
RV8092	9	2	80	6	12	6	1
RV13592	9	2	135	6	12	6	1
RV8094	9	4	80	6	12	6	1
RV13594	9	4	135	6	12	6	1
RV80102	10	2	80	6	10	7	1
RV135102	10	2	135	6	10	7	1
RV80104	10	4	80	6	10	7	1
RV135104	10	4	135	6	10	7	1

0.035" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## ULTRAVERSE® 014 PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
U41501H2	1.5	2	150	4F	1
U41501H4	1.5	4	150	4F	1
U41501H12	1.5	12	150	4F	1
U415022	2	2	150	4F	1
U415024	2	4	150	4F	1
U415028	2	8	150	4F	1
U4150210	2	10	150	4F	1
U4150212	2	12	150	4F	1
U4150215	2	15	150	4F	1
U4150222	2	22	150	4F	1
U4150230	2	30	150	4F	1
U41502H2	2.5	2	150	4F	1
U41502H4	2.5	4	150	4F	1
U41502H8	2.5	8	150	4F	1
U41502H10	2.5	10	150	4F	1
U41502H12	2.5	12	150	4F	1
U41502H15	2.5	15	150	4F	1
U41502H22	2.5	22	150	4F	1
U41502H30	2.5	30	150	4F	1
U415032	3	2	150	4F	1
U415034	3	4	150	4F	1
U415038	3	8	150	4F	1
U4150310	3	10	150	4F	1
U4150312	3	12	150	4F	1
U4150315	3	15	150	4F	1
U4150322	3	22	150	4F	1
U4150330	3	30	150	4F	1
U41503H2	3.5	2	150	4F	1
U41503H4	3.5	4	150	4F	1
U41503H8	3.5	8	150	4F	1
U41503H10	3.5	10	150	4F	1
U41503H12	3.5	12	150	4F	1
U41503H15	3.5	15	150	4F	1
U41503H22	3.5	22	150	4F	1
U41503H30	3.5	30	150	4F	1

0.014" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## ULTRAVERSE® 014 PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
U415042	4	2	150	4F	1
U415044	4	4	150	4F	1
U415048	4	8	150	4F	1
U4150410	4	10	150	4F	1
U4150412	4	12	150	4F	1
U4150415	4	15	150	5F	1
U4150422	4	22	150	5F	1
U4150430	4	30	150	5F	1
U415052	5	2	150	5F	1
U415054	5	4	150	5F	1
U415058	5	8	150	5F	1
U4150510	5	10	150	5F	1
U4150512	5	12	150	5F	1
U4150515	5	15	150	5F	1
U4150522	5	22	150	5F	1
U4150530	5	30	150	5F	1

0.014" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## ULTRAVERSE® 018 PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
U87522	2	2	75	4F	1
U87524	2	4	75	4F	1
U875210	2	10	75	4F	1
U875212	2	12	75	4F	1
U875215	2	15	75	4F	1
U875222	2	22	75	4F	1
U8752H2	2.5	2	75	4F	1
U8752H4	2.5	4	75	4F	1
U8752H10	2.5	10	75	4F	1
U8752H15	2.5	15	75	4F	1
U87532	3	2	75	4F	1
U87534	3	4	75	4F	1
U875310	3	10	75	4F	1
U875312	3	12	75	4F	1
U875315	3	15	75	4F	1
U875322	3	22	75	4F	1
U8753H2	3.5	2	75	4F	1
U8753H4	3.5	4	75	4F	1
U8753H10	3.5	10	75	4F	1
U8753H15	3.5	15	75	4F	1
U87542	4	2	75	4F	1
U87544	4	4	75	4F	1
U87546	4	6	75	4F	1
U875410	4	10	75	4F	1
U875412	4	12	75	4F	1
U875415	4	15	75	5F	1
U875422	4	22	75	5F	1
U87552	5	2	75	5F	1
U87554	5	4	75	5F	1
U87556	5	6	75	5F	1
U875510	5	10	75	5F	1
U875512	5	12	75	5F	1
U875515	5	15	75	5F	1
U875522	5	22	75	5F	1
U87562	6	2	75	5F	1
U87564	6	4	75	5F	1
U87566	6	6	75	5F	1
U875610	6	10	75	5F	1
U875612	6	12	75	5F	1
U875615	6	15	75	5F	1
U875622	6	22	75	5F	1

0.018" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## ULTRAVERSE® 018 PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
U87574	7	4	75	5F	1
U87584	8	4	75	6F	1
U87594	9	4	75	6F	1
U813022	2	2	130	4F	1
U813024	2	4	130	4F	1
U813026	2	6	130	4F	1
U813028	2	8	130	4F	1
U8130210	2	10	130	4F	1
U8130212	2	12	130	4F	1
U8130215	2	15	130	4F	1
U8130222	2	22	130	4F	1
U8130230	2	30	130	4F	1
U81302H2	2.5	2	130	4F	1
U81302H4	2.5	4	130	4F	1
U81302H6	2.5	6	130	4F	1
U81302H8	2.5	8	130	4F	1
U81302H10	2.5	10	130	4F	1
U81302H12	2.5	12	130	4F	1
U81302H15	2.5	15	130	4F	1
U81302H22	2.5	22	130	4F	1
U81302H30	2.5	30	130	4F	1
U813032	3	2	130	4F	1
U813034	3	4	130	4F	1
U813036	3	6	130	4F	1
U813038	3	8	130	4F	1
U8130310	3	10	130	4F	1
U8130312	3	12	130	4F	1
U8130315	3	15	130	4F	1
U8130322	3	22	130	4F	1
U8130330	3	30	130	4F	1
U81303H2	3.5	2	130	4F	1
U81303H4	3.5	4	130	4F	1
U81303H6	3.5	6	130	4F	1
U81303H8	3.5	8	130	4F	1
U81303H10	3.5	10	130	4F	1
U81303H12	3.5	12	130	4F	1
U81303H15	3.5	15	130	4F	1
U81303H22	3.5	22	130	4F	1
U81303H30	3.5	30	130	4F	1

0.018" guidewire compatible

\*Percutaneous Transluminal Angioplasty

For Ordering or Information: **1.800.321.4254**

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Please consult package inserts for more detailed safety information and instructions for use.

# ANGIOPLASTY

## ULTRAVERSE® 018 PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
U813042	4	2	130	4F	1
U813044	4	4	130	4F	1
U813046	4	6	130	4F	1
U813048	4	8	130	4F	1
U8130410	4	10	130	4F	1
U8130412	4	12	130	4F	1
U8130415	4	15	130	5F	1
U8130422	4	22	130	5F	1
U8130430	4	30	130	5F	1
U813052	5	2	130	5F	1
U813054	5	4	130	5F	1
U813056	5	6	130	5F	1
U813058	5	8	130	5F	1
U8130510	5	10	130	5F	1
U8130512	5	12	130	5F	1
U8130515	5	15	130	5F	1
U8130522	5	22	130	5F	1
U8130530	5	30	130	5F	1
U813062	6	2	130	5F	1
U813064	6	4	130	5F	1
U813066	6	6	130	5F	1
U813068	6	8	130	5F	1
U8130610	6	10	130	5F	1
U8130612	6	12	130	5F	1
U8130615	6	15	130	5F	1
U8130622	6	22	130	5F	1
U8130630	6	30	130	5F	1
U813074	7	4	130	5F	1
U813084	8	4	130	6F	1
U813094	9	4	130	6F	1

0.018" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## ULTRAVERSE® 018 PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)	LENGTH (CM)		
U815022	2	2	150	4F	1
U815024	2	4	150	4F	1
U815026	2	6	150	4F	1
U815028	2	8	150	4F	1
U8150210	2	10	150	4F	1
U8150212	2	12	150	4F	1
U8150215	2	15	150	4F	1
U8150222	2	22	150	4F	1
U8150230	2	30	150	4F	1
U81502H2	2.5	2	150	4F	1
U81502H4	2.5	4	150	4F	1
U81502H6	2.5	6	150	4F	1
U81502H8	2.5	8	150	4F	1
U81502H10	2.5	10	150	4F	1
U81502H12	2.5	12	150	4F	1
U81502H15	2.5	15	150	4F	1
U81502H22	2.5	22	150	4F	1
U81502H30	2.5	30	150	4F	1
U815032	3	2	150	4F	1
U815034	3	4	150	4F	1
U815036	3	6	150	4F	1
U815038	3	8	150	4F	1
U8150310	3	10	150	4F	1
U8150312	3	12	150	4F	1
U8150315	3	15	150	4F	1
U8150322	3	22	150	4F	1
U8150330	3	30	150	4F	1
U81503H2	3.5	2	150	4F	1
U81503H4	3.5	4	150	4F	1
U81503H6	3.5	6	150	4F	1
U81503H8	3.5	8	150	4F	1
U81503H10	3.5	10	150	4F	1
U81503H12	3.5	12	150	4F	1
U81503H15	3.5	15	150	4F	1
U81503H22	3.5	22	150	4F	1
U81503H30	3.5	30	150	4F	1

0.018" guidewire compatible

\*Percutaneous Transluminal Angioplasty



# ANGIOPLASTY

## ULTRAVERSE® 018 PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
U815042	4	2	150	4F	1
U815044	4	4	150	4F	1
U815046	4	6	150	4F	1
U815048	4	8	150	4F	1
U8150410	4	10	150	4F	1
U8150412	4	12	150	4F	1
U8150415	4	15	150	5F	1
U8150422	4	22	150	5F	1
U8150430	4	30	150	5F	1
U815052	5	2	150	5F	1
U815054	5	4	150	5F	1
U815056	5	6	150	5F	1
U815058	5	8	150	5F	1
U8150510	5	10	150	5F	1
U8150512	5	12	150	5F	1
U8150515	5	15	150	5F	1
U8150522	5	22	150	5F	1
U8150530	5	30	150	5F	1

0.018" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## ULTRAVERSE® RX PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
U41501Q1HRX	1.25	1.5	150	4F	1
U41501Q2RX	1.25	2	150	4F	1
U41501Q4RX	1.25	4	150	4F	1
U41501H1HRX	1.5	1.5	150	4F	1
U41501H2RX	1.5	2	150	4F	1
U41501H4RX	1.5	4	150	4F	1
U41501H8RX	1.5	8	150	4F	1
U41501H12RX	1.5	12	150	4F	1
U415021HRX	2	1.5	150	4F	1
U415022RX	2	2	150	4F	1
U415024RX	2	4	150	4F	1
U415026RX	2	6	150	4F	1
U415028RX	2	8	150	4F	1
U4150210RX	2	10	150	4F	1
U4150212RX	2	12	150	4F	1
U4150215RX	2	15	150	4F	1
U4150220RX	2	20	150	4F	1
U4150225RX	2	25	150	4F	1
U4150230RX	2	30	150	4F	1
U41502H1HRX	2.5	1.5	150	4F	1
U41502H2RX	2.5	2	150	4F	1
U41502H4RX	2.5	4	150	4F	1
U41502H6RX	2.5	6	150	4F	1
U41502H8RX	2.5	8	150	4F	1
U41502H10RX	2.5	10	150	4F	1
U41502H12RX	2.5	12	150	4F	1
U41502H15RX	2.5	15	150	4F	1
U41502H20RX	2.5	20	150	4F	1
U41502H25RX	2.5	25	150	4F	1
U41502H30RX	2.5	30	150	4F	1
U415031HRX	3	1.5	150	4F	1
U415032RX	3	2	150	4F	1
U415034RX	3	4	150	4F	1
U415036RX	3	6	150	4F	1
U415038RX	3	8	150	4F	1
U4150310RX	3	10	150	4F	1
U4150312RX	3	12	150	4F	1
U4150315RX	3	15	150	4F	1
U4150320RX	3	20	150	4F	1
U4150325RX	3	25	150	4F	1
U4150330RX	3	30	150	4F	1

0.014" guidewire compatible

\*Percutaneous Transluminal Angioplasty

For Ordering or Information: **1.800.321.4254**

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Please consult package inserts for more detailed safety information and instructions for use.

# ANGIOPLASTY

## ULTRAVERSE® RX PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
U41503H1HRX	3.5	1.5	150	4F	1
U41503H2RX	3.5	2	150	4F	1
U41503H4RX	3.5	4	150	4F	1
U41503H6RX	3.5	6	150	4F	1
U41503H8RX	3.5	8	150	4F	1
U41503H10RX	3.5	10	150	4F	1
U41503H12RX	3.5	12	150	4F	1
U41503H15RX	3.5	15	150	4F	1
U41503H20RX	3.5	20	150	4F	1
U41503H25RX	3.5	25	150	4F	1
U41503H30RX	3.5	30	150	4F	1
U415041HRX	4	1.5	150	4F	1
U415042RX	4	2	150	4F	1
U415044RX	4	4	150	4F	1
U415046RX	4	6	150	4F	1
U415048RX	4	8	150	4F	1
U4150410RX	4	10	150	4F	1
U4150412RX	4	12	150	4F	1
U4150415RX	4	15	150	5F	1
U4150420RX	4	20	150	5F	1
U4150425RX	4	25	150	5F	1
U4150430RX	4	30	150	5F	1
U415051HRX	5	1.5	150	5F	1
U415052RX	5	2	150	5F	1
U415054RX	5	4	150	5F	1
U415056RX	5	6	150	5F	1
U415058RX	5	8	150	5F	1
U4150510RX	5	10	150	5F	1
U4150512RX	5	12	150	5F	1
U4150515RX	5	15	150	5F	1
U4150520RX	5	20	150	5F	1
U4150525RX	5	25	150	5F	1
U4150530RX	5	30	150	5F	1
U415064RX	6	4	150	5F	1
U415066RX	6	6	150	5F	1
U415074RX	7	4	150	5F	1
U415076RX	7	6	150	5F	1

0.014" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## ULTRAVERSE® RX PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
U42001Q1HRX	1.25	1.5	200	4F	1
U42001Q2RX	1.25	2	200	4F	1
U42001Q4RX	1.25	4	200	4F	1
U42001H1HRX	1.5	1.5	200	4F	1
U42001H2RX	1.5	2	200	4F	1
U42001H4RX	1.5	4	200	4F	1
U420021HRX	2	1.5	200	4F	1
U420022RX	2	2	200	4F	1
U420024RX	2	4	200	4F	1
U4200210RX	2	10	200	4F	1
U4200220RX	2	20	200	4F	1
U4200230RX	2	30	200	4F	1
U42002H1HRX	2.5	1.5	200	4F	1
U42002H2RX	2.5	2	200	4F	1
U42002H4RX	2.5	4	200	4F	1
U42002H10RX	2.5	10	200	4F	1
U42002H20RX	2.5	20	200	4F	1
U42002H30RX	2.5	30	200	4F	1
U420031HRX	3	1.5	200	4F	1
U420032RX	3	2	200	4F	1
U420034RX	3	4	200	4F	1
U4200310RX	3	10	200	4F	1
U4200320RX	3	20	200	4F	1
U4200330RX	3	30	200	4F	1
U42003H1HRX	3.5	1.5	200	4F	1
U42003H2RX	3.5	2	200	4F	1
U42003H4RX	3.5	4	200	4F	1
U42003H10RX	3.5	10	200	4F	1
U42003H20RX	3.5	20	200	4F	1
U42003H30RX	3.5	30	200	4F	1
U420041HRX	4	1.5	200	4F	1
U420042RX	4	2	200	4F	1
U420044RX	4	4	200	4F	1
U4200410RX	4	10	200	4F	1
U4200420RX	4	20	200	5F	1
U4200430RX	4	30	200	5F	1

0.014" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## VASCUTRAK® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
V142020	2	2	140	5F	1
V142040	2	4	140	5F	1
V142060	2	6	140	5F	1
V142080	2	8	140	5F	1
V1420100	2	10	140	5F	1
V1420120	2	12	140	5F	1
V1420150	2	15	140	5F	1
V1420200	2	20	140	5F	1
V1420250	2	25	140	5F	1
V1420300	2	30	140	5F	1
V142520	2.5	2	140	5F	1
V142540	2.5	4	140	5F	1
V142560	2.5	6	140	5F	1
V142580	2.5	8	140	5F	1
V1425100	2.5	10	140	5F	1
V1425120	2.5	12	140	5F	1
V1425150	2.5	15	140	5F	1
V1425200	2.5	20	140	5F	1
V1425250	2.5	25	140	5F	1
V1425300	2.5	30	140	5F	1
V143020	3	2	140	5F	1
V143040	3	4	140	5F	1
V143060	3	6	140	5F	1
V143080	3	8	140	5F	1
V1430100	3	10	140	5F	1
V1430120	3	12	140	5F	1
V1430150	3	15	140	5F	1
V1430200	3	20	140	5F	1
V1430250	3	25	140	5F	1
V1430300	3	30	140	5F	1

0.014" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## VASCU**TRAK**® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
V143520	3.5	2	140	5F	1
V143540	3.5	4	140	5F	1
V143560	3.5	6	140	5F	1
V143580	3.5	8	140	5F	1
V1435100	3.5	10	140	5F	1
V1435120	3.5	12	140	5F	1
V1435150	3.5	15	140	5F	1
V1435200	3.5	20	140	5F	1
V1435250	3.5	25	140	5F	1
V1435300	3.5	30	140	5F	1

0.014" guidewire compatible

V184020	4	2	140	5F	1
V184040	4	4	140	5F	1
V184060	4	6	140	5F	1
V184080	4	8	140	5F	1
V1840100	4	10	140	5F	1
V1840150	4	15	140	5F	1
V1840200	4	20	140	5F	1
V1840300	4	30	140	5F	1

V185020	5	2	140	6F	1
V185040	5	4	140	6F	1
V185060	5	6	140	6F	1
V185080	5	8	140	6F	1
V1850100	5	10	140	6F	1
V1850120	5	12	140	6F	1
V1850150	5	15	140	6F	1
V1850200	5	20	140	6F	1
V1850250	5	25	140	6F	1
V1850300	5	30	140	6F	1

0.018" guidewire compatible

\*Percutaneous Transluminal Angioplasty

# ANGIOPLASTY

## VASCUtrak® PTA\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
V186020	6	2	140	7F	1
V186040	6	4	140	7F	1
V186060	6	6	140	7F	1
V186080	6	8	140	7F	1
V1860100	6	10	140	7F	1
V1860120	6	12	140	7F	1
V1860150	6	15	140	7F	1
V1860200	6	20	140	7F	1
V1860250	6	25	140	7F	1
V1860300	6	30	140	7F	1
<hr/>					
V187020	7	2	140	7F	1
V187040	7	4	140	7F	1
V187060	7	6	140	7F	1
V187080	7	8	140	7F	1
V1870100	7	10	140	7F	1
V1870120	7	12	140	7F	1
V1870150	7	15	140	7F	1
V1870200	7	20	140	7F	1
V1870250	7	25	140	7F	1
V1870300	7	30	140	7F	1

0.018" guidewire compatible

\*Percutaneous Transluminal Angioplasty



# ANGIOPLASTY

## VASCUTRAK® PTA\* Balloon Dilatation Catheters



PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
V184020S	4	2	80	5F	1
V184040S	4	4	80	5F	1
V184060S	4	6	80	5F	1
V184080S	4	8	80	5F	1
V1840100S	4	10	80	5F	1
V1840150S	4	15	80	5F	1
V1840200S	4	20	80	5F	1
V1840300S	4	30	80	5F	1
<hr/>					
V185020S	5	2	80	6F	1
V185040S	5	4	80	6F	1
V185060S	5	6	80	6F	1
V185080S	5	8	80	6F	1
V1850100S	5	10	80	6F	1
V1850150S	5	15	80	6F	1
V1850200S	5	20	80	6F	1
V1850300S	5	30	80	6F	1
<hr/>					
V186020S	6	2	80	7F	1
V186040S	6	4	80	7F	1
V186060S	6	6	80	7F	1
V186080S	6	8	80	7F	1
V1860100S	6	10	80	7F	1
V1860150S	6	15	80	7F	1
V1860200S	6	20	80	7F	1
V1860300S	6	30	80	7F	1
<hr/>					
V187020S	7	2	80	7F	1
V187040S	7	4	80	7F	1
V187060S	7	6	80	7F	1
V187080S	7	8	80	7F	1
V1870100S	7	10	80	7F	1

0.018" guidewire compatible






\*Percutaneous Transluminal Angioplasty

# CARDIOVASCULAR PATCHES, FABRICS, FELTS AND PLEDGETS

## Cardiovascular Patches - ePTFE

PRODUCT CODE	DIMENSIONS	UNITS/EACH	
<b>ePTFE Cardiovascular Patch – 0.4 mm Thickness (Oval Shaped)</b>			
10P9004	10 mm x 90 mm	1	Thinwall 
20P9004	20 mm x 90 mm	1	
30P6004	30 mm x 60 mm	1	
<b>ePTFE Cardiovascular Patch – 0.6 mm Thickness (Rectangular Shaped)</b>			
30P3006	30 mm x 30 mm	1	Regular Wall 
50P7506	50 mm x 75 mm	1	
25P15006	25 mm x 150 mm	1	
50P15006	50 mm x 150 mm	1	
100P15006	100 mm x 150 mm	1	

## Fabrics - Polyester and PTFE

PRODUCT CODE	DIMENSIONS		UNITS/CASE	
	DIAMETER	LENGTH		
<b>BARD® SAUVAGE® Filamentous Fabric (Nominal Thickness 0.61 mm)</b>				
007942	1" x 4"	2.5 cm x 10 cm	10	Polyester Fabrics 
007943	2" x 2"	5 cm x 5 cm	10	
007944	2" x 4"	5 cm x 10 cm	10	
007828	4" x 4"	10 cm x 10 cm	5	
007829	6" x 6"	15 cm x 15 cm	5	
007940	3/8" x 6"	1 cm x 15.2 cm	10	
<b>BARD® DeBAKEY® Double Velour Fabric (Nominal Thickness 1.50 mm)</b>				
007937	1" x 4"	2.5 cm x 10 cm	10	Polyester Fabrics 
007939	2" x 4"	5 cm x 10 cm	10	
007826	4" x 4"	10 cm x 10 cm	5	
007827	6" x 6"	15 cm x 15 cm	5	
<b>BARD® DeBAKEY® Elastic Knit Fabric (Nominal Thickness 0.57 mm)</b>				
007830	4" x 4"	10 cm x 10 cm	5	Polyester Fabrics 
007831	6" x 6"	15 cm x 15 cm	5	
<b>BARD® DeBAKEY® Woven Fabric (Nominal Thickness 0.25 mm)</b>				
007957	2" x 4"	5 cm x 10 cm	10	Polyester Fabrics 
007955	4" x 4"	10 cm x 10 cm	5	
007956	6" x 6"	15 cm x 15 cm	5	
<b>BARD® Edwards Outflow Tract Fabric (Nominal Thickness 0.91 mm)</b>				
007979	2" x 4"	5 cm x 10 cm	10	PTFE Fabrics 
007834	4" x 4"	10 cm x 10 cm	5	
007835	6" x 6"	15 cm x 15 cm	5	

# CARDIOVASCULAR PATCHES, FABRICS, FELTS AND PLEDGETS

## Felts - PTFE and Polyester

PRODUCT CODE	DIMENSIONS		UNITS/CASE
	DIAMETER	LENGTH	
<b>PTFE Felts (Nominal Thickness 1.65 mm)</b>			
007975	1/2" x 4"	1.2 cm x 10 cm	10
007973	1" x 1"	2.5 cm x 2.5 cm	10
007968	1" x 4"	2.5 cm x 10.2 cm	10
007976	1" x 6"	2.5 cm x 15 cm	10
007974	1/4" x 2"	6 mm x 5.1 cm	10
007977	2" x 2"	5 cm x 5 cm	10
007836	4" x 4"	10 cm x 10 cm	5
007837	6" x 6"	15 cm x 15 cm	5
<b>PTFE Felts (Thick) (Nominal Thickness 2.87 mm)</b>			
007018	3/8" x 6"	1 cm x 15.2 cm	20
007019	1" x 1"	2.5 cm x 2.5 cm	5
007958	4" x 4"	10 cm x 10 cm	5
007959	6" x 6"	15 cm x 15 cm	5
<b>Low Porosity PTFE Felts (Nominal Thickness 1.85 mm)</b>			
007021	1" x 1"	2.5 cm x 2.5 cm	5
007838	4" x 4"	10 cm x 10 cm	5
007839	6" x 6"	15 cm x 15 cm	5
<b>Polyester Felts (Nominal Thickness 1.65 mm)</b>			
008972	6" x 6"	15 cm x 15 cm	5

PTFE Felts



Polyester Felts



## Pledgets - PTFE

PRODUCT CODE	DIMENSIONS		UNITS/CASE
	DIAMETER	LENGTH	
<b>BARD® PTFE Felt Pledgets (Nominal Thickness 1.65 mm)</b>			
007970	3/16" x 1/4"	4.8 mm x 6 mm	250
007963	3/16" x 3/8"	4.8 mm x 9.5 mm	250
007965	1/4" x 1/4"	6 mm x 6 mm	250
007972	5/16" x 5/16"	8 mm x 8 mm	250
007984	3/16"	4.8 mm	250
007969	3/16" x 1/4"	4.8 mm x 6 mm	250
<b>BARD® PTFE Thick Felt Pledgets (Nominal Thickness 2.87 mm)</b>			
007971	1/4"	6 mm	250

Rectangle   
 Rectangle   
 Square   
 Square   
 Round   
 Oval

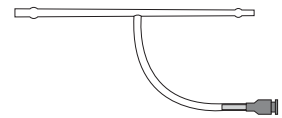
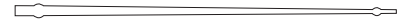
Round

PTFE Pledgets are packed 10 per sterile pouch, 25 pouches per box.

# CAROTID SHUNTS

## Carotid Shunts

PRODUCT CODE	DIMENSIONS		UNITS/CASE
	DIAMETER	LENGTH	
<b>BARD® Carotid Bypass Shunt (Straight), No Side Hole, Type 1885</b>			
S11885003	8F	10 cm	5
S11885004	8F	13 cm	5
S11885001	10F	10 cm	5
000671	10F	13 cm	5
000673	12F	13 cm	5
000675	14F	13 cm	5
000677	16F	13 cm	5
<b>BARD® Carotid Bypass Shunt (Straight), One Side Hole Each End, Type 1886</b>			
S11886001	8F	13 cm	5
000679	10F	13 cm	5
S11886006	11F	13 cm	5
S11886003	12F	10 cm	5
000681	12F	13 cm	5
000683	14F	13 cm	5
000685	16F	13 cm	5
<b>BARD® JAVID™ Carotid Bypass Shunt, Type 1852</b>			
007714	17F Tapered to 10F	27.5 cm	5
SGA155001	14F Tapered to 8F	13 cm	5
<b>BARD® BRENER™ Carotid Bypass Shunt, Type 1887</b>			
007755 with access "T" side arm	14F Tapered to 8F	13 cm	5
S11887002 with access "T" side arm	17F Tapered to 10F	13 cm	5
<b>BARD® BURBANK™ Carotid Bypass Shunt</b>			
SGA149001	15F Tapered to 10F	15.5 cm	5
SGA150001	12F Tapered to 9F	15.5 cm	5
SGA162001	18F Tapered to 12F	15.5 cm	5
<b>BARD® Carotid Bypass Shunt (Straight), One Side Hole at One End</b>			
SGA240001	12F	15.5 cm	5



# CENTRAL VENOUS CATHETERS

## BROVIAC® Central Venous Catheter

PRODUCT CODE	FRENCH SIZE	TOTAL LENGTH	VOLUME	LUMEN SIZE (OD/ID)	REPAIR KIT	UNITS/EACH
<b>Single Lumen, Cutdown Introducer</b>						
0600040	2.7 F	71 cm	0.15 ml	0.9 mm / 0.5 mm	0601600	1

## BROVIAC® Central Venous Catheter Repair Kits

PRODUCT CODE	FRENCH SIZE	LUMEN SIZE (OD/ID)	COLOR	UNITS/EACH
<b>Single Lumen</b>				
0601600	2.7 F	0.9 mm / 0.5 mm	White	1
0601610	4.2 F	1.4 mm / 0.7 mm	White	1
0601620	6.6 F	2.2 mm / 1.0 mm	White	1

For additional accessories, see page 41.

# CENTRAL VENOUS CATHETERS

## GROSHONG® Central Venous Catheter

PRODUCT CODE	FRENCH SIZE	REPAIR KIT	UNITS/CASE
<b>Single Lumen, Peel-Apart Introducer</b>			
7711700	7 F	7741700	5
7711800	8 F	7741800	5
<b>Dual Lumen, Peel-Apart Introducer</b>			
7726950	9.5 F	7742000 body 7740000 red and white legs	5

## GROSHONG® Central Venous Catheter Repair Kits

PRODUCT CODE	FRENCH SIZE	COLOR	UNITS/CASE
<b>Single Lumen</b>			
7741550	5.5 F	Yellow	5
7741700	7 F	Pink	5
7741800	8 F	Orange	5
<b>Dual Lumen</b>			
7742000	9.5 F	Red/White	5

## GROSHONG® Central Venous Catheter Replacement Connectors

PRODUCT CODE	FRENCH SIZE	COLOR	UNITS/CASE
<b>Single Lumen</b>			
7712550	5.5 F	Yellow	10
7712700	7 F	Pink	10
7712800	8 F	Orange	10
<b>Dual Lumen</b>			
7712500	9.5 / 5 F	Red	10
7712510	9.5 / 5 F	White	10

## GROSHONG® Central Venous Catheter Additional Accessories

PRODUCT CODE	DESCRIPTION	UNITS/CASE
7740100	Injection Cap	25
0601940	Stainless Steel Tunneler	5

For additional accessories, see page 41.

# CENTRAL VENOUS CATHETERS

## HICKMAN® Central Venous Catheter

PRODUCT CODE	FRENCH SIZE	TOTAL LENGTH	VOLUME	LUMEN SIZE (OD/ID)	REPAIR KIT	UNITS/ EACH
<b>Single Lumen, Peel-Apart Introducer</b>						
0600560	9.6 F	90 cm	1.8 ml	3.2 mm / 1.6 mm	0601630	1
<b>Dual Lumen, Peel-Apart Introducer</b>						
0600570	7 F	65 cm	0.8 ml red 0.6 ml white	2.3 mm 1.0 mm red 0.8 mm white	0601690 red 0601680 white	1
0600580	9 F	65 cm	1.3 ml red 0.6 ml white	3.0 mm 1.3 mm red 0.7 mm white	0601700 body 0601690 red 0601680 white	1
0600600	9 F	90 cm	1.3 ml red 0.6 ml white	3.0 mm 1.3 mm red 0.7 mm white	0601700 body 0601690 red 0601680 white	1
0600620	12 F	90 cm	1.8 ml red 1.8 ml white	4.0 mm 1.6 mm red 1.6 mm white	0601710 body 0601690 red 0601680 white	1
<b>Triple Lumen, Peel-Apart Introducer</b>						
0606560	10 F	97 cm	1.4 ml red 0.8 ml white 0.8 ml blue	3.3 mm 1.5 mm red 0.8 mm white 0.8 mm blue	0601790 body 0601690 red 0601680 white 0601730 blue	1
0600650	12.5 F	90 cm	1.6 ml red 0.7 ml white 0.7 ml blue	4.2 mm 1.5 mm red 1.0 mm white 1.0 mm blue	0601740 body 0601690 red 0601680 white 0601730 blue	1

## HICKMAN® TRIFUSION® Central Venous Catheter

PRODUCT CODE	FRENCH SIZE	LENGTH (TIP TO CUFF)	TOTAL LENGTH	UNITS/ EACH
<b>Triple Lumen, Intermediate Tray</b>				
0609190	12 F	19 cm	24 cm	1
0609230	12 F	23 cm	28 cm	1
0609270	12 F	27 cm	32 cm	1
<b>Triple Lumen, Microintroducer Tray</b>				
0659190	12 F	19 cm	24 cm	1
0659230	12 F	23 cm	28 cm	1
0659270	12 F	27 cm	32 cm	1

# CENTRAL VENOUS CATHETERS

## HICKMAN® Central Venous Catheter Repair Kits

PRODUCT CODE	FRENCH SIZE	COLOR	UNITS/EACH
<b>Single Lumen</b>			
0601630	9.6 F	White	1
<b>Dual Lumen</b>			
0601760	7 F	Red/White	1
0601700	9 F	Red/White	1
0601710	12 F	Red/White	1
0601770	13.5 F	Blue	1
0601780	13.5 F	Red	1
<b>Triple Lumen</b>			
0601730	All except 13.5 F	Blue	1
0601790	10 F	Red/White/Blue	1
0601740	12.5 F	Red/White/Blue	1

## HICKMAN® / LEONARD® Central Venous Catheter Repair Kit

PRODUCT CODE	FRENCH SIZE	COLOR	UNITS/EACH
<b>Dual/Triple Lumen</b>			
0601680	All except 13.5 F	White	1
0601690	All except 13.5 F	Red	1

## HICKMAN® Central Venous Catheter Additional Accessories

PRODUCT CODE	DESCRIPTION	UNITS/EACH
0601720	Adhesive Kit	1
0601860	Injection Cap	50

For additional accessories, see page 41.



# CENTRAL VENOUS CATHETERS

## LEONARD® Central Venous Catheter

PRODUCT CODE	FRENCH SIZE	TOTAL LENGTH	VOLUME	LUMEN SIZE (OD/ID)	REPAIR KIT	UNITS/EACH
<b>Dual Lumen, Peel-Apart Introducer</b>						
0600630	10 F	90 cm	1.3 ml red 1.3 ml white	3.3 mm 1.3 mm red 1.3 mm white	0601750 body 0601690 red 0601680 white	1

## LEONARD® Central Venous Catheter Repair Kit

PRODUCT CODE	FRENCH SIZE	COLOR	UNITS/EACH
<b>Dual Lumen</b>			
0601750	10 F	Red/White	1

For additional accessories, see page 41.

# CENTRAL VENOUS CATHETERS

## POWERHICKMAN® Central Venous Catheter\*

PRODUCT CODE	FRENCH SIZE	GAUGE SIZE	AVERAGE GRAVITY FLOW RATE	PRIMING VOLUME	LENGTH BIFURCATION TO TIP	LUMEN SIZE (ID)	CUFF POSITION	UNITS/CASE
<b>Single Lumen, Intermediate Tray, Peel-Apart Introducer</b>								
0805810	8 F	14 Ga	6780 ml/hr	1.5 ml	47 cm	.060 ID	Cuff at 5 cm	5
<b>Single Lumen, Microintroducer Tray, Microintroducer</b>								
0802815	8 F	14 Ga	6780 ml/hr	1.5 ml	47 cm	.060 ID	Cuff at 2 cm	5
0805815	8 F	14 Ga	6780 ml/hr	1.5 ml	47 cm	.060 ID	Cuff at 5 cm	5
<b>Dual Lumen, Intermediate Tray, Peel-Apart Introducer</b>								
0805910	9.5 F	15 Ga 15 Ga	3505 ml/hr 3505 ml/hr	1.3 ml 1.3 ml	47 cm	.036 ID	Cuff at 5 cm	5
<b>Dual Lumen, Microintroducer Tray, Microintroducer</b>								
0802915	9.5 F	15 Ga 15 Ga	3505 ml/hr 3505 ml/hr	1.3 ml 1.3 ml	47 cm	.036 ID	Cuff at 2 cm	5
0805915	9.5 F	15 Ga 15 Ga	3505 ml/hr 3505 ml/hr	1.3 ml 1.3 ml	47 cm	.036 ID	Cuff at 5 cm	5

\*Maximum Power Injector Pressure Setting is 300 psi, Maximum Power Injection Flow Rate is 5 ml/sec.

## POWERLINE® Central Venous Catheter

PRODUCT CODE	FRENCH SIZE	AVERAGE GRAVITY FLOW RATE	PRIMING VOLUME	UNITS/CASE
<b>Single Lumen, Microintroducer Tray, MicroEZ® Introducer</b>				
0700515	5 F	1245 ml/hr	0.62 ml	5
<b>Dual Lumen, Intermediate Tray, Peel-Apart Introducer</b>				
0700610	6 F	981 ml/hr 981 ml/hr	0.61 ml 0.61 ml	5
<b>Dual Lumen, Microintroducer Tray, MicroEZ® Introducer</b>				
0700615	6 F	981 ml/hr 981 ml/hr	0.61 ml 0.61 ml	5
0720515	5 F	577 ml/hr 577 ml/hr	0.55 ml 0.55 ml	5
<b>Triple Lumen, Intermediate Tray, Peel-Apart Introducer</b>				
0730610	6 F	924 ml/hr 360 ml/hr 360 ml/hr	0.67 ml 0.45 ml 0.45 ml	5
<b>Triple Lumen, Microintroducer Tray, MicroEZ® Introducer</b>				
0730615	6 F	924 ml/hr 360 ml/hr 360 ml/hr	0.67 ml 0.45 ml 0.45 ml	5

# CENTRAL VENOUS CATHETERS

## Catheter Clamp

PRODUCT CODE	DESCRIPTION	UNITS/CASE
0601870	Non-Sterile Catheter Clamps	3

## PTFE Peel-Apart Introducers

PRODUCT CODE	FRENCH SIZE	TOTAL LENGTH	UNITS/EACH
0601150	5 F	10.5 cm	1
0601165	6.5 F	15 cm	1
0601170	7 F	13 cm	1
0607770	7 F	15 cm	1
0607780	8 F	15 cm	1
0601110	10 F	15 cm	1
0607710	10 F	15 cm	1
0601113	13 F	15 cm	1
0601114	14 F	14 cm	1
0601115	15 F	14 cm	1

## Tunnelers for HICKMAN® / BROVIAC® / LEONARD®

PRODUCT CODE	DESCRIPTION	UNITS/CASE
0601930	Plastic Tunneler	5

# CTO CATHETERS

## CROSSER® CTO Recanalization Catheters

PRODUCT CODE	DESCRIPTION	LENGTH (CM)	PLATFORM	UNITS/EACH
<b>CROSSER® Catheters - Peripheral</b>				
CRUS6106	CROSSER® Catheter S6	106	no wire	1
CRUS6A	CROSSER® Catheter S6	154	no wire	1
CRUP106	CROSSER® Catheter 14P	106	RX	1
CRUOP106	CROSSER® Catheter 14P	106	OTW	1
CRU14PA	CROSSER® Catheter 14P	146	RX	1
CRUO14PA	CROSSER® Catheter 14P	146	OTW	1
CRUS106	CROSSER® Catheter 14S	106	RX	1
CRUOS106	CROSSER® Catheter 14S	106	OTW	1
CRU14SA	CROSSER® Catheter 14S	146	RX	1
CRUO14SA	CROSSER® Catheter 14S	146	OTW	1
CRU18A	CROSSER® Catheter 18	125	RX	1
<b>CROSSER® Catheter System Electronics</b>				
GEN200	CROSSER® Generator			1
INJ100	FLOWMATE® Injector			1
<b>CROSSER® Catheter System Electronics - Recommended Adjunctive Devices</b>				
INJKIT	FLOWMATE® Procedural Kit			5/case

# CTO SUPPORT CATHETERS AND GUIDEWIRES

## PORTER® Guidewires

PRODUCT CODE	DIAMETER	LENGTH (CM)	TIP STIFFNESS	UNITS/CASE
GWP1403	.014"	195	3 g	5/case
GWP1406	.014"	195	6 g	5/case
GWP1403X	.014"	300	3 g	5/case
GWP1406X	.014"	300	6 g	5/case
GWP1409X	.014"	300	9 g	5/case
GWP1412X	.014"	300	12 g	5/case

## SIDEKICK® Support Catheters

PRODUCT CODE	LENGTH (CM)	SHAPE	UNITS/EACH
<b>For Use with CROSSER® Catheters 14P and 14S</b>			
SD70	70	Straight	1
SD70A	70	Angled	1
SD70T	70	Straight Tapered	1
SD70AT	70	Angled Tapered	1
SD110	110	Straight	1
SD110A	110	Tapered	1
SD110T	110	Straight Tapered	1
SD110AT	110	Angled Tapered	1

## USHER® Support Catheters

PRODUCT CODE	LENGTH (CM)	SHAPE	UNITS/EACH
<b>For Use with CROSSER® Catheter S6</b>			
USH83T	83	Straight Tapered	1
USH83AT	83	Angled Tapered	1
USH130T	130	Straight Tapered	1
USH130AT	130	Angled Tapered	1

# CROSSING SUPPORT CATHETERS

## SEEKER® Crossing Support Catheters

PRODUCT CODE	WIRE COMPATIBILITY	CATHETER LENGTH	UNITS/CASE
SK13514	.014"	135 cm	5/case
SK15014	.014"	150 cm	5/case
SK9018	.018"	90 cm	5/case
SK13518	.018"	135 cm	5/case
SK15018	.018"	150 cm	5/case
SK6535M	.035"	65 cm	5/case
SK9035M	.035"	90 cm	5/case
SK13535M	.035"	135 cm	5/case
SK15035M	.035"	150 cm	5/case

# HEMODIALYSIS CATHETERS (LONG-TERM)

## DECATHLON® DF Long-Term Hemodialysis Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	UNITS/CASE
<b>Straight, Polyurethane Catheter, Standard Kit</b>					
DF19SH24K	16 F	19 cm	24 cm	Tapered Split	5
DF23SH28K	16 F	23 cm	28 cm	Tapered Split	5
DF27SH32K	16 F	27 cm	32 cm	Tapered Split	5
DF31SH36K	16 F	31 cm	36 cm	Tapered Split	5
DF35SH40K	16 F	35 cm	40 cm	Tapered Split	5
DF50SH55K	16 F	50 cm	55 cm	Tapered Split	5
<b>Straight, Polyurethane Catheter, Exchange Kit</b>					
DF19IT24K	16 F	19 cm	24 cm	Tapered Split	5
DF23IT28K	16 F	23 cm	28 cm	Tapered Split	5
DF27IT32K	16 F	27 cm	32 cm	Tapered Split	5
DF31IT36K	16 F	31 cm	36 cm	Tapered Split	5
DF35IT40K	16 F	35 cm	40 cm	Tapered Split	5
DF50IT55K	16 F	50 cm	55 cm	Tapered Split	5

## DUET® Long-Term Hemodialysis Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	UNITS/CASE
<b>Polyurethane Catheter, Standard Kit</b>			
5223190	10 F	19 cm Arterial / 22 cm Venous	10
5223230	10 F	23 cm Arterial / 26 cm Venous	10
5223280	10 F	28 cm Arterial / 31 cm Venous	10

## DUET® Repair Kit

PRODUCT CODE	DESCRIPTION	UNITS/CASE
5581000	DUET® Repair Kit	5

# HEMODIALYSIS CATHETERS (LONG-TERM)

## EQUISTREAM® Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	STYLET	UNITS/CASE
<b>ALPHACURVE®, Polyurethane Catheter, Standard Kit</b>						
5905190	14.5 F	19 cm	24 cm	Split	None	5
5905240	14.5 F	24 cm	29 cm	Split	None	5
5905280	14.5 F	28 cm	33 cm	Split	None	5
5905310	14.5 F	31 cm	36 cm	Split	None	5
<b>Straight, Polyurethane Catheter, Standard Kit</b>						
5903150	14.5 F	15 cm	19 cm	Split	Preloaded	5
5903190	14.5 F	19 cm	24 cm	Split	Preloaded	5
5903230	14.5 F	23 cm	28 cm	Split	Preloaded	5
5903270	14.5 F	27 cm	32 cm	Split	Preloaded	5
5903310	14.5 F	31 cm	36 cm	Split	Preloaded	5
5903350	14.5 F	35 cm	40 cm	Split	Preloaded	5
5903420	14.5 F	42 cm	47 cm	Split	Preloaded	5
<b>Straight, Polyurethane Catheter, Microintroducer Kit</b>						
5904190	14.5 F	19 cm	24 cm	Split	Preloaded	5
5904230	14.5 F	23 cm	36 cm	Split	Preloaded	5
5904270	14.5 F	27 cm	40 cm	Split	Preloaded	5
5904310	14.5 F	31 cm	55 cm	Split	Preloaded	5

## EQUISTREAM® XK Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	STYLET	UNITS/CASE
<b>ALPHACURVE®, Polyurethane Catheter, Standard Kit</b>						
5915190	16 F	19 cm	24 cm	Split	None	5
5915240	16 F	24 cm	29 cm	Split	None	5
5915280	16 F	28 cm	33 cm	Split	None	5
5915310	16 F	31 cm	36 cm	Split	None	5
<b>Straight, Polyurethane Catheter, Standard Kit</b>						
5913190	16 F	19 cm	24 cm	Split	Preloaded	5
5913230	16 F	23 cm	28 cm	Split	Preloaded	5
5913270	16 F	27 cm	32 cm	Split	Preloaded	5
5913310	16 F	31 cm	36 cm	Split	Preloaded	5
5913350	16 F	35 cm	40 cm	Split	Preloaded	5
5913420	16 F	42 cm	47 cm	Split	Preloaded	5



# HEMODIALYSIS CATHETERS (LONG-TERM)

## GLIDEPATH™ Long-Term Hemodialysis Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	STYLET	UNITS/CASE
<b>Straight, Polyurethane Catheter, Standard Kit</b>						
5393150	14.5 F	15 cm	20 cm	Symmetric	Preloaded	5
5393190	14.5 F	19 cm	24 cm	Symmetric	Preloaded	5
5393230	14.5 F	23 cm	28 cm	Symmetric	Preloaded	5
5393270	14.5 F	27 cm	32 cm	Symmetric	Preloaded	5
5393310	14.5 F	31 cm	36 cm	Symmetric	Preloaded	5
5393350	14.5 F	35 cm	39 cm	Symmetric	Preloaded	5
5393420	14.5 F	42 cm	47 cm	Symmetric	Preloaded	5
5393500	14.5 F	50 cm	55 cm	Symmetric	Preloaded	5
<b>ALPHACURVE®, Polyurethane Catheter, Standard Kit</b>						
5396190	14.5 F	19 cm	25 cm	Symmetric	None	5
5396240	14.5 F	24 cm	29 cm	Symmetric	None	5
5396280	14.5 F	28 cm	33 cm	Symmetric	None	5
5396310	14.5 F	31 cm	37 cm	Symmetric	None	5
<b>Straight, Polyurethane Catheter, Exchange Kit</b>						
5397150	14.5 F	15 cm	20 cm	Symmetric	Preloaded	5
5397190	14.5 F	19 cm	24 cm	Symmetric	Preloaded	5
5397230	14.5 F	23 cm	28 cm	Symmetric	Preloaded	5
5397270	14.5 F	27 cm	32 cm	Symmetric	Preloaded	5
5397310	14.5 F	31 cm	36 cm	Symmetric	Preloaded	5
5397350	14.5 F	35 cm	40 cm	Symmetric	Preloaded	5
5397420	14.5 F	42 cm	47 cm	Symmetric	Preloaded	5
5397500	14.5 F	50 cm	55 cm	Symmetric	Preloaded	5

# HEMODIALYSIS CATHETERS (LONG-TERM)

## HEMOSPLIT® Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	CUFF TAPERED	UNITS/ CASE
<b>ALPHACURVE®, Polyurethane Catheter, Standard Kit</b>						
5735150	14.5 F	19 cm	25 cm	Split	No	5
5735190	14.5 F	24 cm	29 cm	Split	No	5
5735230	14.5 F	28 cm	33 cm	Split	No	5
5735270	14.5 F	31 cm	37 cm	Split	No	5

### **Straight, Polyurethane Catheter, Standard Kit**

5733694	14.5 F	19 cm	24 cm	Split	Yes	5
5733734	14.5 F	23 cm	28 cm	Split	Yes	5
5733274	14.5 F	27 cm	32 cm	Split	Yes	5
5733314	14.5 F	31 cm	36 cm	Split	Yes	5
5733150	14.5 F	15 cm	20 cm	Split	No	5
5733690	14.5 F	19 cm	24 cm	Split	No	5
5733730	14.5 F	23 cm	28 cm	Split	No	5
5733270	14.5 F	27 cm	32 cm	Split	No	5
5733310	14.5 F	31 cm	36 cm	Split	No	5
5733350	14.5 F	35 cm	40 cm	Split	No	5
5734420	14.5 F	42 cm	47 cm	Split	No	5

### **Straight, Polyurethane Catheter, Microintroducer Kit**

5743690	14.5 F	19 cm	24 cm	Split	No	5
5743730	14.5 F	23 cm	28 cm	Split	No	5
5743270	14.5 F	27 cm	32 cm	Split	No	5
5743310	14.5 F	31 cm	36 cm	Split	No	5
5743350	14.5 F	35 cm	40 cm	Split	No	5
5744420	14.5 F	42 cm	47 cm	Split	No	5

### **Straight, Polyurethane Catheter, Standard Kit BioLOC® Silver Sulfadiazine Coating**

5733153	14.5 F	15 cm	20 cm	Split	No	5
5733693	14.5 F	19 cm	24 cm	Split	No	5
5733733	14.5 F	23 cm	28 cm	Split	No	5
5733273	14.5 F	27 cm	32 cm	Split	No	5
5733313	14.5 F	31 cm	36 cm	Split	No	5
5733353	14.5 F	35 cm	40 cm	Split	No	5
5734423	14.5 F	42 cm	47 cm	Split	No	5

### **Straight, Polyurethane Catheter, Microintroducer Kit BioLOC® Silver Sulfadiazine Coating**

5743693	14.5 F	19 cm	24 cm	Split	No	5
5743733	14.5 F	23 cm	28 cm	Split	No	5
5743273	14.5 F	27 cm	32 cm	Split	No	5
5743313	14.5 F	31 cm	36 cm	Split	No	5

# HEMODIALYSIS CATHETERS (LONG-TERM)

## HEMOPLIT® XK Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	UNITS/CASE
<b>ALPHACURVE® , Polyurethane Catheter, Standard Kit</b>					
5685150	16 F	19 cm	25 cm	Split	5
5685190	16 F	24 cm	29 cm	Split	5
5685230	16 F	28 cm	33 cm	Split	5
5685270	16 F	31 cm	37 cm	Split	5
<b>Straight, Polyurethane Catheter, Standard Kit</b>					
5683690	16 F	19 cm	24 cm	Split	5
5683730	16 F	23 cm	28 cm	Split	5
5683270	16 F	27 cm	32 cm	Split	5
5683310	16 F	31 cm	36 cm	Split	5
5683350	16 F	35 cm	40 cm	Split	5
5684420	16 F	42 cm	47 cm	Split	5
<b>Straight, Polyurethane Catheter, Microintroducer Kit</b>					
5693690	16 F	19 cm	24 cm	Split	5
5693730	16 F	23 cm	28 cm	Split	5
5693270	16 F	27 cm	32 cm	Split	5
5693310	16 F	31 cm	36 cm	Split	5
<b>Straight, Polyurethane Catheter, Standard Kit BioBloc® Silver Sulfadiazine Coating</b>					
5683693	16 F	19 cm	24 cm	Split	5
5683733	16 F	23 cm	28 cm	Split	5
5683273	16 F	27 cm	32 cm	Split	5
5683313	16 F	31 cm	36 cm	Split	5
5683353	16 F	35 cm	40 cm	Split	5
5883353	16 F	35 cm	40 cm	Split	5
5684423	16 F	42 cm	47 cm	Split	5

## HEMOPLIT® / HEMOPLIT® XK Tunnelers

PRODUCT CODE	DESCRIPTION	UNITS/CASE
5688000	Malleable Tapered Tuner for use with HEMOPLIT® and HEMOPLIT® XK Catheters	10

# HEMODIALYSIS CATHETERS (LONG-TERM)

## HEMOSTAR® Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	UNITS/CASE
<b>ALPHACURVE®, Polyurethane Catheter, Standard Kit</b>					
5835150	14.5 F	19 cm	25 cm	Staggered	5
5835190	14.5 F	24 cm	29 cm	Staggered	5
5835230	14.5 F	28 cm	33 cm	Staggered	5
5835270	14.5 F	31 cm	37 cm	Staggered	5
<b>Straight, Polyurethane Catheter, Standard Kit</b>					
5833150	14.5 F	15 cm	20 cm	Staggered	5
5833690	14.5 F	19 cm	24 cm	Staggered	5
5833730	14.5 F	23 cm	28 cm	Staggered	5
5833270	14.5 F	27 cm	32 cm	Staggered	5
5833310	14.5 F	31 cm	36 cm	Staggered	5
5833350	14.5 F	35 cm	40 cm	Staggered	5
5834420	14.5 F	42 cm	47 cm	Staggered	5
<b>Straight, Polyurethane Catheter, Standard Kit, BioBloc® Silver Sulfadiazine Coating</b>					
5833693	14.5 F	19 cm	24 cm	Staggered	5
5833733	14.5 F	23 cm	28 cm	Staggered	5
5833273	14.5 F	27 cm	32 cm	Staggered	5
5833313	14.5 F	31 cm	36 cm	Staggered	5
5833353	14.5 F	35 cm	40 cm	Staggered	5
5834423	14.5 F	42 cm	47 cm	Staggered	5

## HEMOSTAR® XK Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	UNITS/CASE
<b>ALPHACURVE®, Polyurethane Catheter, Standard Kit</b>					
5885150	16 F	19 cm	25 cm	Staggered	5
5885190	16 F	24 cm	29 cm	Staggered	5
5885230	16 F	28 cm	33 cm	Staggered	5
5885270	16 F	31 cm	37 cm	Staggered	5
<b>Straight, Polyurethane Catheter, Standard Kit</b>					
5883690	16 F	19 cm	24 cm	Staggered	5
5883730	16 F	23 cm	28 cm	Staggered	5
5883270	16 F	27 cm	32 cm	Staggered	5
5883310	16 F	31 cm	36 cm	Staggered	5
5883350	16 F	35 cm	40 cm	Staggered	5
5884420	16 F	42 cm	47 cm	Staggered	5
<b>Straight, Polyurethane Catheter, Standard Kit, BioBloc® Silver Sulfadiazine Coating</b>					
5883693	16 F	19 cm	24 cm	Staggered	5
5883733	16 F	23 cm	28 cm	Staggered	5
5883273	16 F	27 cm	32 cm	Staggered	5
5883313	16 F	31 cm	36 cm	Staggered	5
5884423	16 F	42 cm	47 cm	Staggered	5

# HEMODIALYSIS CATHETERS (LONG-TERM)

## RELIANCE XK™ Long-Term Hemodialysis Catheter with AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	STYLET	UNITS/CASE
<b>Straight, Polyurethane Catheter, Standard Kit</b>						
5323190	16F	19 cm	24 cm	Step-Tip	Preloaded	5
5323230	16F	23 cm	28 cm	Step-Tip	Preloaded	5
5323270	16F	27 cm	32 cm	Step-Tip	Preloaded	5
5323310	16F	31 cm	36 cm	Step-Tip	Preloaded	5
5323350	16F	35 cm	40 cm	Step-Tip	Preloaded	5
5323420	16F	42 cm	47 cm	Step-Tip	Preloaded	5
5323500	16F	50 cm	55 cm	Step-Tip	Preloaded	5
<b>ALPHACURVE®, Polyurethane Catheter, Standard Kit</b>						
5325190	16F	19 cm	25 cm	Step-Tip	None	5
5325240	16F	24 cm	29 cm	Step-Tip	None	5
5325280	16F	28 cm	33 cm	Step-Tip	None	5
5325310	16F	31 cm	37 cm	Step-Tip	None	5
<b>Straight, Polyurethane Catheter, Exchange Kit</b>						
5327190	16F	19 cm	24 cm	Step-Tip	Preloaded	5
5327230	16F	23 cm	28 cm	Step-Tip	Preloaded	5
5327270	16F	27 cm	32 cm	Step-Tip	Preloaded	5
5327310	16F	31 cm	36 cm	Step-Tip	Preloaded	5
5327350	16F	35 cm	40 cm	Step-Tip	Preloaded	5
5327420	16F	42 cm	47 cm	Step-Tip	Preloaded	5
5327500	16F	50 cm	55 cm	Step-Tip	Preloaded	5

# HEMODIALYSIS CATHETERS (LONG-TERM)

## RETRO® Long-Term Hemodialysis Catheter

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	UNITS/CASE
<b>Straight, Silicone Catheter, Standard Kit</b>					
RS19SH24	16 F	19 cm	24 cm	Symmetric	5
RS23SH28	16 F	23 cm	28 cm	Symmetric	5
RS27SH32	16 F	27 cm	32 cm	Symmetric	5
RS31SH36	16 F	31 cm	36 cm	Symmetric	5
RS35SH40	16 F	35 cm	40 cm	Symmetric	5
RS50SH55	16 F	50 cm	55 cm	Symmetric	5

## RETRO® Repair Kit

PRODUCT CODE	DESCRIPTION	UNITS/CASE
PRRK5	RETRO® Repair Kit	5

## RETRO® Alternative Tunneler

PRODUCT CODE	DESCRIPTION	UNITS/CASE
RT100	RETRO® Alternative Tunneler	5

## SOFT-CELL® Catheter

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	CATHETER LENGTH	TIP STYLE	INTRODUCER	UNITS/CASE
<b>Straight, Polyurethane Catheter, Standard Kit</b>						
5533620	12.5 F	12 cm	27 cm	Staggered	Peel-Apart	5
5533690	12.5 F	19 cm	38 cm	Staggered	Peel-Apart	5

## SOFT-CELL® Tunnelers

PRODUCT CODE	DESCRIPTION	UNITS/CASE
5585000	Tunneler for use with SOFT-CELL® Catheters	10

# HEMODIALYSIS CATHETERS (LONG-TERM)

## AIRGUARD® Valved Introducer

PRODUCT CODE	CATHETER SIZE	INSERTION LENGTH (TIP TO CUFF)	UNITS/CASE
5515160	6.5 F	15 cm	10
5515180	8 F	15 cm	10
5515110	10 F	15 cm	10
5513150	15 F	13 cm	10
5513165	16.5 F	13 cm	10

## Guidewires

PRODUCT CODE	WIRE SIZE	LENGTH	DESCRIPTION	UNITS/CASE
5583700	.038 in	70 cm	Dual Ended Calibrated Wire with 3 mm J-Tip	25
5583705	.038 in	70 cm	Single Ended Calibrated Wire	25

## Hemodialysis Catheter Additional Accessories

PRODUCT CODE	DESCRIPTION	UNITS/CASE
5582080	8 F Vessel Dilator	10
5582100	10 F Vessel Dilator	10
5582110	11 F Vessel Dilator	10
5582000	10 - 12 F DUALATOR® Vessel Dilator	10
5584180	18 Gauge Introducer Needle	10
5589040	Heparin Labels	1 Roll

# PORTS (NON-POWER)

## M.R.I.® Dual Lumen Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Dual Lumen, Plastic, Intermediate Profile</b>				
0603500	12 F Attachable Silicone	Open Introducer	Intermediate	1
0605920	9.5 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
0605930	10 F Attachable Silicone	Open Introducer	Intermediate	1
0607100	10 F Pre-Attached Silicone	Open Introducer	Intermediate	1
0607200	10 F Pre-Attached Silicone	N/A	Basic	1
0615460	10 F Attachable Silicone	N/A	Basic	1

## M.R.I.® Hard-Base Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Plastic, Full Size Profile</b>				
0604520	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
0604550	9.6 F Attachable Silicone	Open Introducer	Intermediate	1
0604580	9.6 F Attachable Silicone	Open Introducer	Intermediate	1
0605450	8 F Attachable Polyurethane	Open Introducer	Intermediate	1
6604550	9.6 F Pre-Attached Silicone	Open Introducer	Intermediate	1

## M.R.I.® Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Plastic, Low Profile</b>				
0602620	6.6 F Pre-Attached Silicone	N/A	Basic	1
0602670	6.6 F Pre-Attached Silicone	Open Introducer	Intermediate	1
0602690	6.6 F Attachable Silicone	Open Introducer	Intermediate	1
0602830	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
0602840	8 F Attachable GROSHONG® Valved	N/A	Basic	1
<b>Single Lumen, Plastic, Intermediate Profile</b>				
0605400	8 F Attachable Polyurethane	N/A	Basic	1
0605420	8 F Attachable Polyurethane	Open Introducer	Intermediate	1
<b>Single Lumen, Plastic, Full Size Profile</b>				
0602610	9.6 F Pre-Attached Silicone	N/A	Basic	1
0602640	9.6 F Attachable Silicone	N/A	Basic	1
0602660	9.6 F Pre-Attached Silicone	Open Introducer	Intermediate	1
0602680	9.6 F Attachable Silicone	Open Introducer	Intermediate	1
0607173	6 F Attachable Polyurethane	Open Introducer	Intermediate	1
0607174	6 F Attachable Polyurethane	N/A	Basic	1



# PORTS (NON-POWER)

## M.R.I.® Low Profile Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Plastic, Low Profile</b>				
0603830	7 F Attachable GROSHONG® Valved	N/A	Basic	1
0603840	6.6 F Attachable Silicone	N/A	Basic	1
0603870	7 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
0603880	6.6 F Attachable Silicone	Open Introducer	Intermediate	1
6603880	6.6 F Pre-Attached Silicone	N/A	Basic	1

## M.R.I.® Ultra SLIMPORT® Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Plastic, Low Profile</b>				
0605640	6 F Attachable Polyurethane	Open Introducer	Intermediate	1
0655640	6 F Attachable Polyurethane	Open Introducer	Microintroducer	1

## Peritoneal Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Titanium, Full Size Profile</b>				
0603000	14.3 Attachable Peritoneal	N/A	Basic	1
0603006	14.3 Attachable Peritoneal	N/A	Basic	1

## SLIMPORT® Dual Lumen ROSENBLATT® Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Dual Lumen, Plastic, Intermediate Profile</b>				
0604970	7 F Attachable Silicone	Open Introducer	Intermediate	1
0654970	7 F Attachable Silicone	Open Introducer	Microintroducer	1

# PORTS (NON-POWER)

## Titanium DOME™ Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Titanium, Full Size Profile</b>				
0602850	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
0602870	9.6 F Attachable Silicone	Open Introducer	Intermediate	1

## Titanium Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Titanium, Low Profile</b>				
0602180	6.6 F Pre-Attached Silicone	N/A	Basic	1
0602190	6.6 F Pre-Attached Silicone	Open Introducer	Intermediate	1
0602240	6.6 F Attachable Silicone	Open Introducer	Intermediate	1
0602280	6.6 F Pre-Attached Silicone	N/A	Basic	1
0602290	6.6 F Pre-Attached Silicone	Open Introducer	Intermediate	1
0602810	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
0605490	6 F Attachable Polyurethane	N/A	Basic	1
0605510	6 F Attachable Polyurethane	Open Introducer	Intermediate	1
0606100	6.6 F Attachable Silicone	Open Introducer	Intermediate	1
0606150	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
0606200	6.6 F Attachable Silicone	N/A	Basic	1

### Single Lumen, Titanium, Intermediate Profile

0605300	8 F Attachable Polyurethane	N/A	Basic	1
0605320	8 F Attachable Polyurethane	Open Introducer	Intermediate	1
0607302	6 F Attachable Polyurethane	Open Introducer	Intermediate	1

### Single Lumen, Titanium, Full Size Profile

0602210	9.6 F Attachable Silicone	N/A	Basic	1
0602230	9.6 F Attachable Silicone	Open Introducer	Intermediate	1
0602260	9.6 F Pre-Attached Silicone	N/A	Basic	1
0602270	9.6 F Pre-Attached Silicone	Open Introducer	Intermediate	1

## Titanium SLIMPORT® Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Titanium, Low Profile</b>				
0605550	6 F Attachable Polyurethane	Open Introducer	Intermediate	1
0605560	6 F Attachable Polyurethane	N/A	Basic	1
0655510	6 F Attachable Polyurethane	Open Introducer	Microintroducer	1

# PORTS (NON-POWER)

## X-PORT™ Duo Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Dual Lumen, Plastic, Intermediate Profile</b>				
0607630	10 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
0607650	9.5 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
0607655	10 F Attachable Silicone	Open Introducer	Intermediate	1
0607675	9.5 F Attachable Polyurethane	Open Introducer	Intermediate	1
0657675	9.5 F Attachable Polyurethane	Open Introducer	Microintroducer	1

## X-PORT™ Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Titanium, Low Profile</b>				
0605840	6 F Attachable Polyurethane	N/A	Basic	1
0605850	6 F Attachable Polyurethane	Open Introducer	Intermediate	1
0655870	6 F Attachable Polyurethane	Open Introducer	Microintroducer	1
<b>Single Lumen, Titanium, Intermediate Profile</b>				
0608530	6 F Attachable Polyurethane	Open Introducer	Intermediate	1
0608540	8 F Attachable Polyurethane	Open Introducer	Intermediate	1
0658510	8 F Attachable Polyurethane	Open Introducer	Microintroducer	1

## X-PORT™ Inline Duo Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Dual Lumen, Plastic, Intermediate Profile</b>				
0607760	9.5 F Attachable Polyurethane	Open Introducer	Intermediate	1

## X-PORT™ isp Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Plastic, Intermediate Profile</b>				
0607510	8 F Attachable Polyurethane	N/A	Basic	1
0607520	9.6 F Pre-Attached Silicone	N/A	Basic	1
0607530	6 F Attachable Polyurethane	Open Introducer	Intermediate	1
0607540	8 F Attachable Polyurethane	Open Introducer	Intermediate	1
0607550	9.6 F Pre-Attached Silicone	Open Introducer	Intermediate	1
0607555	9.6 F Attachable Silicone	Open Introducer	Intermediate	1
0657500	6 F Attachable Polyurethane	Open Introducer	Microintroducer	1
0657510	8 F Attachable Polyurethane	Open Introducer	Microintroducer	1
0657520	9.6 F Pre-Attached Silicone	Open Introducer	Microintroducer	1
0657525	9.6 F Attachable Silicone	Open Introducer	Microintroducer	1
7707540	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
7757540	8 F Attachable GROSHONG® Valved	Open Introducer	Microintroducer	1

# PORTS (POWER)

## POWERPORT® CLEARVUE® isp Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Silicone Encased, Intermediate Profile</b>				
1608062	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1

## POWERPORT® CLEARVUE® Slim Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Plastic, Low Profile</b>				
1618000	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1618070	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1

# PORTS (POWER)

## POWERPORT® Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	Kit CONFIGURATION	UNITS/ EACH
<b>Single Lumen, Titanium, Full Size Profile</b>				
1708000	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1708001	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1708070	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1708071	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1709600	9.6 F Attachable Silicone	AIRGUARD® Valved	Intermediate	1
1709601	9.6 F Attachable Silicone	AIRGUARD® Valved	Intermediate	1
1759600	9.6 F Pre-Attached Silicone	AIRGUARD® Valved	Intermediate	1
1759601	9.6 F Pre-Attached Silicone	AIRGUARD® Valved	Intermediate	1
1778000	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
1778001	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
1778070	8 F Attachable GROSHONG® Valved	Open Introducer	Microintroducer	1
1778071	8 F Attachable GROSHONG® Valved	Open Introducer	Microintroducer	1

## POWERPORT® isp Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	Kit CONFIGURATION	UNITS/ EACH
<b>Single Lumen, Titanium, Intermediate Profile</b>				
1706050	6 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1706051	6 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1706060	6 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1706061	6 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1708050	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1708051	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1708060	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1708061	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1708550	8 F Attachable GROSHONG® Valved	Open Introducer	Microintroducer	1
1708551	8 F Attachable GROSHONG® Valved	Open Introducer	Microintroducer	1
1708560	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
1708561	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
4708060	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
4708061	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
4708560	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
4708561	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1

# PORTS (POWER)

## POWERPORT® M.R.I.® Duo Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/ EACH
<b>Dual Lumen, Plastic, Intermediate Profile</b>				
1829500	9.5 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1829570	9.5 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1

## POWERPORT® M.R.I.® Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/ EACH
<b>Single Lumen, Plastic, Full Size Profile</b>				
1808000	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1808001	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1808070	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1808071	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1809600	9.6 F Pre-Attached Silicone	AIRGUARD® Valved	Intermediate	1
1809601	9.6 F Attachable Silicone	AIRGUARD® Valved	Intermediate	1
1809670	9.6 F Attachable Silicone	AIRGUARD® Valved	Microintroducer	1
1859600	9.6 F Pre-Attached Silicone	AIRGUARD® Valved	Intermediate	1
1859601	9.6 F Pre-Attached Silicone	AIRGUARD® Valved	Intermediate	1
1878000	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
1878001	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
1878070	8 F Attachable GROSHONG® Valved	Open Introducer	Microintroducer	1
1878071	8 F Attachable GROSHONG® Valved	Open Introducer	Microintroducer	1

## POWERPORT® M.R.I.® isp Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/ EACH
<b>Single Lumen, Plastic, Intermediate Profile</b>				
1806050	6 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1806051	6 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1806060	6 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1806061	6 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1808050	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1808051	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1808060	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1808061	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1808550	8 F Attachable GROSHONG® Valved	Open Introducer	Microintroducer	1
1808551	8 F Attachable GROSHONG® Valved	Open Introducer	Microintroducer	1
1808560	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
1808561	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
1809660	9.6 F Attachable Silicone	AIRGUARD® Valved	Intermediate	1
1809661	9.6 F Attachable Silicone	AIRGUARD® Valved	Intermediate	1
1859660	9.6 F Pre-Attached Silicone	AIRGUARD® Valved	Intermediate	1
1859661	9.6 F Pre-Attached Silicone	AIRGUARD® Valved	Intermediate	1
4808060	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
4808061	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
4808560	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
4808561	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1

# PORTS (POWER)

## POWERPORT® Slim Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Titanium, Low Profile</b>				
1716000	6 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1716001	6 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1716070	6 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1716071	6 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1718000	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1718001	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1718070	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1718500	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1
1718501	8 F Attachable GROSHONG® Valved	Open Introducer	Intermediate	1

## POWERPORT® VUE® isp Implantable Port

PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Titanium, Intermediate Profile</b>				
1706052	6 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1706062	6 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1708052	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1708062	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1

## POWERPORT® VUE® M.R.I. Implantable Port

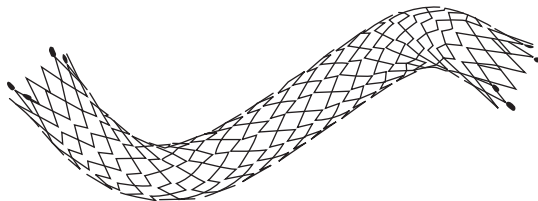
PRODUCT CODE	CATHETER	INTRODUCER	KIT CONFIGURATION	UNITS/EACH
<b>Single Lumen, Plastic, Intermediate Profile</b>				
1806052	6 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1806062	6 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1
1808052	8 F Attachable Polyurethane	AIRGUARD® Valved	Microintroducer	1
1808062	8 F Attachable Polyurethane	AIRGUARD® Valved	Intermediate	1



# STENTS & STENT GRAFTS

## E-LUMINEXX® Vascular Stents

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
ZBM07020	7 mm	20 mm	80 cm	0.035"	6F	1
ZBM07030	7 mm	30 mm	80 cm	0.035"	6F	1
ZBM07040	7 mm	40 mm	80 cm	0.035"	6F	1
ZBM07060	7 mm	60 mm	80 cm	0.035"	6F	1
ZBM07080	7 mm	80 mm	80 cm	0.035"	6F	1
ZBM07100	7 mm	100 mm	80 cm	0.035"	6F	1
ZBL07020	7 mm	20 mm	135 cm	0.035"	6F	1
ZBL07030	7 mm	30 mm	135 cm	0.035"	6F	1
ZBL07040	7 mm	40 mm	135 cm	0.035"	6F	1
ZBL07060	7 mm	60 mm	135 cm	0.035"	6F	1
ZBL07080	7 mm	80 mm	135 cm	0.035"	6F	1
ZBL07100	7 mm	100 mm	135 cm	0.035"	6F	1
ZBM08020	8 mm	20 mm	80 cm	0.035"	6F	1
ZBM08030	8 mm	30 mm	80 cm	0.035"	6F	1
ZBM08040	8 mm	40 mm	80 cm	0.035"	6F	1
ZBM08060	8 mm	60 mm	80 cm	0.035"	6F	1
ZBM08080	8 mm	80 mm	80 cm	0.035"	6F	1
ZBM08100	8 mm	100 mm	80 cm	0.035"	6F	1
ZBL08020	8 mm	20 mm	135 cm	0.035"	6F	1
ZBL08030	8 mm	30 mm	135 cm	0.035"	6F	1
ZBL08040	8 mm	40 mm	135 cm	0.035"	6F	1
ZBL08060	8 mm	60 mm	135 cm	0.035"	6F	1
ZBL08080	8 mm	80 mm	135 cm	0.035"	6F	1
ZBL08100	8 mm	100 mm	135 cm	0.035"	6F	1





# STENTS & STENT GRAFTS

## E·LUMINEXX® Vascular Stents

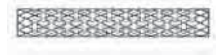
PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
ZBM09020	9 mm	20 mm	80 cm	0.035"	6F	1
ZBM09030	9 mm	30 mm	80 cm	0.035"	6F	1
ZBM09040	9 mm	40 mm	80 cm	0.035"	6F	1
ZBM09060	9 mm	60 mm	80 cm	0.035"	6F	1
ZBM09080	9 mm	80 mm	80 cm	0.035"	6F	1
ZBM09100	9 mm	100 mm	80 cm	0.035"	6F	1
ZBL09020	9 mm	20 mm	135 cm	0.035"	6F	1
ZBL09030	9 mm	30 mm	135 cm	0.035"	6F	1
ZBL09040	9 mm	40 mm	135 cm	0.035"	6F	1
ZBL09060	9 mm	60 mm	135 cm	0.035"	6F	1
ZBL09080	9 mm	80 mm	135 cm	0.035"	6F	1
ZBL09100	9 mm	100 mm	135 cm	0.035"	6F	1
ZBM10020	10 mm	20 mm	80 cm	0.035"	6F	1
ZBM10030	10 mm	30 mm	80 cm	0.035"	6F	1
ZBM10040	10 mm	40 mm	80 cm	0.035"	6F	1
ZBM10060	10 mm	60 mm	80 cm	0.035"	6F	1
ZBM10080	10 mm	80 mm	80 cm	0.035"	6F	1
ZBM10100	10 mm	100 mm	80 cm	0.035"	6F	1
ZBL10020	10 mm	20 mm	135 cm	0.035"	6F	1
ZBL10030	10 mm	30 mm	135 cm	0.035"	6F	1
ZBL10040	10 mm	40 mm	135 cm	0.035"	6F	1
ZBL10060	10 mm	60 mm	135 cm	0.035"	6F	1
ZBL10080	10 mm	80 mm	135 cm	0.035"	6F	1
ZBL10100	10 mm	100 mm	135 cm	0.035"	6F	1

# STENTS & STENT GRAFTS

## FLAIR® Endovascular Stent Grafts

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
FAS06030	6 mm	30 mm	80 cm	0.035"	9F	1
FAS06040	6 mm	40 mm	80 cm	0.035"	9F	1
FAS06050	6 mm	50 mm	80 cm	0.035"	9F	1
FAS06070	6 mm	70 mm	80 cm	0.035"	9F	1
FAS07030	7 mm	30 mm	80 cm	0.035"	9F	1
FAS07040	7 mm	40 mm	80 cm	0.035"	9F	1
FAS07050	7 mm	50 mm	80 cm	0.035"	9F	1
FAS07070	7 mm	70 mm	80 cm	0.035"	9F	1
FAS08030	8 mm	30 mm	80 cm	0.035"	9F	1
FAS08040	8 mm	40 mm	80 cm	0.035"	9F	1
FAS08050	8 mm	50 mm	80 cm	0.035"	9F	1
FAS08070	8 mm	70 mm	80 cm	0.035"	9F	1
FAS09030	9 mm	30 mm	80 cm	0.035"	9F	1
FAS09040	9 mm	40 mm	80 cm	0.035"	9F	1
FAS09050	9 mm	50 mm	80 cm	0.035"	9F	1

**Straight Stent Graft**



FAF06030	6 mm	30 mm	80 cm	0.035"	9F	1
FAF06040	6 mm	40 mm	80 cm	0.035"	9F	1
FAF06050	6 mm	50 mm	80 cm	0.035"	9F	1
FAF06070	6 mm	70 mm	80 cm	0.035"	9F	1
FAF07030	7 mm	30 mm	80 cm	0.035"	9F	1
FAF07040	7 mm	40 mm	80 cm	0.035"	9F	1
FAF07050	7 mm	50 mm	80 cm	0.035"	9F	1
FAF07070	7 mm	70 mm	80 cm	0.035"	9F	1
FAF08030	8 mm	30 mm	80 cm	0.035"	9F	1
FAF08040	8 mm	40 mm	80 cm	0.035"	9F	1
FAF08050	8 mm	50 mm	80 cm	0.035"	9F	1
FAF08070	8 mm	70 mm	80 cm	0.035"	9F	1
FAF09030	9 mm	30 mm	80 cm	0.035"	9F	1
FAF09040	9 mm	40 mm	80 cm	0.035"	9F	1
FAF09050	9 mm	50 mm	80 cm	0.035"	9F	1

**Flared Stent Graft**



# STENTS & STENT GRAFTS

## LIFESTAR™ Vascular Stents

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
VIUS07020	7 mm	20 mm	80 cm	0.035"	6F	1
VIUS07030	7 mm	30 mm	80 cm	0.035"	6F	1
VIUS07040	7 mm	40 mm	80 cm	0.035"	6F	1
VIUS07060	7 mm	60 mm	80 cm	0.035"	6F	1
VIUS07080	7 mm	80 mm	80 cm	0.035"	6F	1
VIUS07100	7 mm	100 mm	80 cm	0.035"	6F	1
VIUL07020	7 mm	20 mm	135 cm	0.035"	6F	1
VIUL07030	7 mm	30 mm	135 cm	0.035"	6F	1
VIUL07040	7 mm	40 mm	135 cm	0.035"	6F	1
VIUL07060	7 mm	60 mm	135 cm	0.035"	6F	1
VIUL07080	7 mm	80 mm	135 cm	0.035"	6F	1
VIUL07100	7 mm	100 mm	135 cm	0.035"	6F	1
VIUS08020	8 mm	20 mm	80 cm	0.035"	6F	1
VIUS08030	8 mm	30 mm	80 cm	0.035"	6F	1
VIUS08040	8 mm	40 mm	80 cm	0.035"	6F	1
VIUS08060	8 mm	60 mm	80 cm	0.035"	6F	1
VIUS08080	8 mm	80 mm	80 cm	0.035"	6F	1
VIUS08100	8 mm	100 mm	80 cm	0.035"	6F	1
VIUL08020	8 mm	20 mm	135 cm	0.035"	6F	1
VIUL08030	8 mm	30 mm	135 cm	0.035"	6F	1
VIUL08040	8 mm	40 mm	135 cm	0.035"	6F	1
VIUL08060	8 mm	60 mm	135 cm	0.035"	6F	1
VIUL08080	8 mm	80 mm	135 cm	0.035"	6F	1
VIUL08100	8 mm	100 mm	135 cm	0.035"	6F	1

# STENTS & STENT GRAFTS

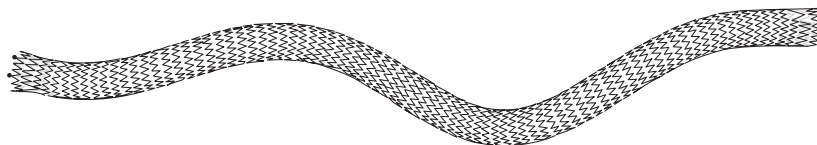
## LIFESTAR™ Vascular Stents

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
VIUS09020	9 mm	20 mm	80 cm	0.035"	6F	1
VIUS09030	9 mm	30 mm	80 cm	0.035"	6F	1
VIUS09040	9 mm	40 mm	80 cm	0.035"	6F	1
VIUS09060	9 mm	60 mm	80 cm	0.035"	6F	1
VIUS09080	9 mm	80 mm	80 cm	0.035"	6F	1
VIUS09100	9 mm	100 mm	80 cm	0.035"	6F	1
VIUL09020	9 mm	20 mm	135 cm	0.035"	6F	1
VIUL09030	9 mm	30 mm	135 cm	0.035"	6F	1
VIUL09040	9 mm	40 mm	135 cm	0.035"	6F	1
VIUL09060	9 mm	60 mm	135 cm	0.035"	6F	1
VIUL09080	9 mm	80 mm	135 cm	0.035"	6F	1
VIUL09100	9 mm	100 mm	135 cm	0.035"	6F	1
VIUS10020	10 mm	20 mm	80 cm	0.035"	6F	1
VIUS10030	10 mm	30 mm	80 cm	0.035"	6F	1
VIUS10040	10 mm	40 mm	80 cm	0.035"	6F	1
VIUS10060	10 mm	60 mm	80 cm	0.035"	6F	1
VIUS10080	10 mm	80 mm	80 cm	0.035"	6F	1
VIUS10100	10 mm	100 mm	80 cm	0.035"	6F	1
VIUL10020	10 mm	20 mm	135 cm	0.035"	6F	1
VIUL10030	10 mm	30 mm	135 cm	0.035"	6F	1
VIUL10040	10 mm	40 mm	135 cm	0.035"	6F	1
VIUL10060	10 mm	60 mm	135 cm	0.035"	6F	1
VIUL10080	10 mm	80 mm	135 cm	0.035"	6F	1
VIUL10100	10 mm	100 mm	135 cm	0.035"	6F	1

# STENTS & STENT GRAFTS

## LIFESTENT® and LIFESTENT® XL Vascular Stent Systems

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
EX060201CS	6 mm	20 mm	80 cm	0.035"	6F	1
EX060301CS	6 mm	30 mm	80 cm	0.035"	6F	1
EX060401CS	6 mm	40 mm	80 cm	0.035"	6F	1
EX060601CS	6 mm	60 mm	80 cm	0.035"	6F	1
EX060801CS	6 mm	80 mm	80 cm	0.035"	6F	1
EX061001CS	6 mm	100 mm	80 cm	0.035"	6F	1
EX061201CS	6 mm	120 mm	80 cm	0.035"	6F	1
EX061501CS	6 mm	150 mm	80 cm	0.035"	6F	1
EX061701CS	6 mm	170 mm	80 cm	0.035"	6F	1
EX060203CS	6 mm	20 mm	130 cm	0.035"	6F	1
EX060303CS	6 mm	30 mm	130 cm	0.035"	6F	1
EX060403CS	6 mm	40 mm	130 cm	0.035"	6F	1
EX060603CS	6 mm	60 mm	130 cm	0.035"	6F	1
EX060803CS	6 mm	80 mm	130 cm	0.035"	6F	1
EX061003CS	6 mm	100 mm	130 cm	0.035"	6F	1
EX061203CS	6 mm	120 mm	130 cm	0.035"	6F	1
EX061503CS	6 mm	150 mm	130 cm	0.035"	6F	1
EX061703CS	6 mm	170 mm	130 cm	0.035"	6F	1
EX070201CS	7 mm	20 mm	80 cm	0.035"	6F	1
EX070301CS	7 mm	30 mm	80 cm	0.035"	6F	1
EX070401CS	7 mm	40 mm	80 cm	0.035"	6F	1
EX070601CS	7 mm	60 mm	80 cm	0.035"	6F	1
EX070801CS	7 mm	80 mm	80 cm	0.035"	6F	1
EX071001CS	7 mm	100 mm	80 cm	0.035"	6F	1
EX071201CS	7 mm	120 mm	80 cm	0.035"	6F	1
EX071501CS	7 mm	150 mm	80 cm	0.035"	6F	1
EX071701CS	7 mm	170 mm	80 cm	0.035"	6F	1
EX070203CS	7 mm	20 mm	130 cm	0.035"	6F	1
EX070303CS	7 mm	30 mm	130 cm	0.035"	6F	1
EX070403CS	7 mm	40 mm	130 cm	0.035"	6F	1
EX070603CS	7 mm	60 mm	130 cm	0.035"	6F	1
EX070803CS	7 mm	80 mm	130 cm	0.035"	6F	1
EX071003CS	7 mm	100 mm	130 cm	0.035"	6F	1
EX071203CS	7 mm	120 mm	130 cm	0.035"	6F	1
EX071503CS	7 mm	150 mm	130 cm	0.035"	6F	1
EX071703CS	7 mm	170 mm	130 cm	0.035"	6F	1



# STENTS & STENT GRAFTS

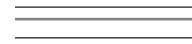
## LIFEStENT® SOLO™ Vascular Stent Systems

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
EX062001CL	6 mm	200 mm	80 cm	0.035"	6F	1
EX062003CL	6 mm	200 mm	135 cm	0.035"	6F	1
EX072001CL	7 mm	200 mm	80 cm	0.035"	6F	1
EX072003CL	7 mm	200 mm	135 cm	0.035"	6F	1

# SURGICAL GRAFTS: AV ACCESS SPECIALTY GRAFTS

## VECTRA® Revision Grafts (10-12 W.P.I. or 4-5 W.P.C.)\*

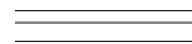
PRODUCT CODE	DIMENSIONS	UNITS/EACH
T5020002	5 mm x 20 cm	1
T6020002	6 mm x 20 cm	1



\*W.P.I. = Wraps Per Inch    W.P.C. = Wraps Per Centimeter

## VECTRA® Revision Grafts (24-32 W.P.I. or 9.5-12.5 W.P.C.)\*

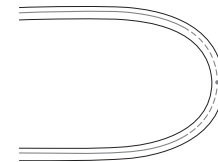
PRODUCT CODE	DIMENSIONS	UNITS/EACH
T5020003	5 mm x 20 cm	1
T6020003	6 mm x 20 cm	1



\*W.P.I. = Wraps Per Inch    W.P.C. = Wraps Per Centimeter

## VECTRA® Vascular Access Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH
T5040001	5 mm x 40 cm	1
T6040001	6 mm x 40 cm	1
T5050001	5 mm x 50 cm	1
T6050001	6 mm x 50 cm	1



# SURGICAL GRAFTS: AV ACCESS SPECIALTY GRAFTS

## VENAFLO® II Vascular Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH
VL1006C	6 mm x 10 cm	1
VL1007C	7 mm x 10 cm	1
V1008C*	8 mm x 10 cm	1
VL2006C	6 mm x 20 cm	1
VL2007C	7 mm x 20 cm	1
VL3006C	6 mm x 30 cm	1
VL3007C	7 mm x 30 cm	1
VL4006C	6 mm x 40 cm	1
VL4007C	7 mm x 40 cm	1
VL5006C	6 mm x 50 cm	1
VL5007C	7 mm x 50 cm	1
V5008C*	8 mm x 50 cm	1
<hr/>		
CVL4006C	6 mm x 40 cm	1
CVL4007C	7 mm x 40 cm	1
CVL5006C	6 mm x 50 cm	1
<hr/>		
VLT2046C	4 - 6 mm x 20 cm	1
VLT2047C	4 - 7 mm x 20 cm	1
VLT2546C	4 - 6 mm x 25 cm	1
VLT2547C	4 - 7 mm x 25 cm	1
VLT3046C	4 - 6 mm x 30 cm	1
VLT3047C	4 - 7 mm x 30 cm	1
VLT3547C	4 - 7 mm x 35 cm	1
VT3558C*	5 - 8 mm x 35 cm	1
VLT4046C	4 - 6 mm x 40 cm	1
VLT4047C	4 - 7 mm x 40 cm	1
VT4058C*	5 - 8 mm x 40 cm	1
VLT4546C	4 - 6 mm x 45 cm	1
VLT4547C	4 - 7 mm x 45 cm	1
<hr/>		
CVLT4547C	4 - 7 mm x 45 cm	1

Straight



CENTERFLEX™ Grafts



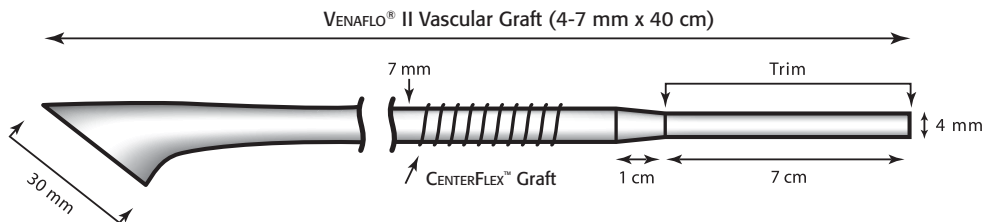
Stepped



Stepped CENTERFLEX™ Grafts



\*VENAFLO® Vascular Grafts 8 mm (No trim lines)



VENAFLO® II Vascular Grafts with carbon used in outpatient procedures may be eligible for transitional pass-through payments. Call **1-800-BARD-357** for a complete listing of eligible codes.

70 For Ordering or Information: **1.800.321.4254**



**CONFIDENTIAL AND PROPRIETARY**

Please consult package inserts for more detailed safety information and instructions for use.



# SURGICAL GRAFTS: CARBOFLO® AND ePTFE GRAFTS

## CARBOFLO® Vascular Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH	
10S04C	4 mm x 10 cm	1	<b>Straight</b> 
10S05C	5 mm x 10 cm	1	
10S06C	6 mm x 10 cm	1	
10S07C	7 mm x 10 cm	1	
10S08C	8 mm x 10 cm	1	
20S06C	6 mm x 20 cm	1	
20S07C	7 mm x 20 cm	1	
20S08C	8 mm x 20 cm	1	
30S06C	6 mm x 30 cm	1	
40S05C	5 mm x 40 cm	1	
40S06C	6 mm x 40 cm	1	
40S07C	7 mm x 40 cm	1	
40S08C	8 mm x 40 cm	1	
50S04C	4 mm x 50 cm	1	
50S05C	5 mm x 50 cm	1	
50S06C	6 mm x 50 cm	1	
50S07C	7 mm x 50 cm	1	
50S08C	8 mm x 50 cm	1	
70S06C	6 mm x 70 cm	1	
70S07C	7 mm x 70 cm	1	
70S08C	8 mm x 70 cm	1	
80S06C	6 mm x 80 cm	1	
80S07C	7 mm x 80 cm	1	
80S08C	8 mm x 80 cm	1	
F5006SC	6 mm x 50 cm	1	<b>Flex Small Beading</b> 
F7006SC	6 mm x 70 cm	1	
F7008SC	8 mm x 70 cm	1	
F8006SC	6 mm x 80 cm	1	
F8008SC	8 mm x 80 cm	1	

# SURGICAL GRAFTS: CARBOFLO® AND ePTFE GRAFTS

## CARBOFLO® Vascular Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH
F1006C	6 mm x 10 cm	1
F4006C	6 mm x 40 cm	1
F4008C	8 mm x 40 cm	1
F5006C	6 mm x 50 cm	1
F5007C	7 mm x 50 cm	1
F5008C	8 mm x 50 cm	1
F5010C	10 mm x 50 cm	1
F6006C	6 mm x 60 cm	1
F6008C	8 mm x 60 cm	1
F7006C	6 mm x 70 cm	1
F7007C	7 mm x 70 cm	1
F7008C	8 mm x 70 cm	1
F8006C	6 mm x 80 cm	1
F8007C	7 mm x 80 cm	1
F8008C	8 mm x 80 cm	1
F8010C	10 mm x 80 cm	1
70T74C	7 - 4 mm x 70 cm	1
T4546C	4 - 6 mm x 45 cm	1
T4547C	4 - 7 mm x 45 cm	1
T4558C	5 - 8 mm x 45 cm	1
T5047C	4 - 7 mm x 50 cm	1
40A64C	6 - 4 mm x 40 cm	1
40A74C	7 - 4 mm x 40 cm	1
CF4006C	6 mm x 40 cm	1
CF4008C	8 mm x 40 cm	1
CF5006C	6 mm x 50 cm	1
CF5007C	7 mm x 50 cm	1
CFT4047C	4 - 7 mm x 40 cm	1
CFT4547C	4 - 7 mm x 45 cm	1
CFT4558C	5 - 8 mm x 45 cm	1
CFT5047C	4 - 7 mm x 50 cm	1
CF40A74C	7 - 4 mm x 40 cm	1

### CARBOFLO® Flex Grafts



### Tapered



### Stepped



### Short Tapered



### CENTERFLEX™ Grafts



### Stepped CENTERFLEX™ Grafts







### Short Tapered CENTERFLEX™ Grafts



CARBOFLO® Grafts used in outpatient procedures may be eligible for transitional pass-through payments. Call **1-800-BARD-357** for a complete listing of eligible codes.

# SURGICAL GRAFTS: CARBOFLO® AND ePTFE GRAFTS

## CARBOFLO® Vascular Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH	
10S06TWC	6 mm x 10 cm	1	<b>Straight Thinwall</b> 
10S07TWC	7 mm x 10 cm	1	
10S08TWC	8 mm x 10 cm	1	
10S10TWC	10 mm x 10 cm	1	
20S06TWC	6 mm x 20 cm	1	
40S06TWC	6 mm x 40 cm	1	
40S08TWC	8 mm x 40 cm	1	
50S05TWC	5 mm x 50 cm	1	
50S06TWC	6 mm x 50 cm	1	
50S07TWC	7 mm x 50 cm	1	
50S08TWC	8 mm x 50 cm	1	
70S05TWC	5 mm x 70 cm	1	
70S06TWC	6 mm x 70 cm	1	
70S07TWC	7 mm x 70 cm	1	
70S08TWC	8 mm x 70 cm	1	
80S06TWC	6 mm x 80 cm	1	
80S07TWC	7 mm x 80 cm	1	
80S08TWC	8 mm x 80 cm	1	
F3006TWSC	6 mm x 30 cm	1	<b>Flex Thinwall Small Beading</b> 
F3008TWSC	8 mm x 30 cm	1	
F5006TWSC	6 mm x 50 cm	1	
F5008TWSC	8 mm x 50 cm	1	
F6006TWSC	6 mm x 60 cm	1	
F7005TWSC	5 mm x 70 cm	1	
F7006TWSC	6 mm x 70 cm	1	
F7007TWSC	7 mm x 70 cm	1	
F7008TWSC	8 mm x 70 cm	1	
F8006TWSC	6 mm x 80 cm	1	
F8007TWSC	7 mm x 80 cm	1	
F8008TWSC	8 mm x 80 cm	1	
70T74TWC	7 - 4 mm x 70 cm	1	<b>Tapered Thinwall</b> 
70T85TWC	8 - 5 mm x 70 cm	1	
F70T74TSC	7 - 4 mm x 70 cm	1	<b>Flex Thinwall Tapered Small Beading</b> 
F70T85TSC	8 - 5 mm x 70 cm	1	
F80T74TSC	7 - 4 mm x 80 cm	1	

# SURGICAL GRAFTS: CARBOFLO® AND ePTFE GRAFTS

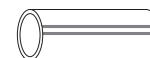
## IMPRA® Vascular Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH
05S06	6 mm x 5 cm	1
10S03	3 mm x 10 cm	1
10S035	3.5 mm x 10 cm	1
10S04	4 mm x 10 cm	1
10S05	5 mm x 10 cm	1
10S06	6 mm x 10 cm	1
10S07	7 mm x 10 cm	1
10S08	8 mm x 10 cm	1
10S10	10 mm x 10 cm	1
20S06	6 mm x 20 cm	1
20S08	8 mm x 20 cm	1
30S06	6 mm x 30 cm	1
40S04	4 mm x 40 cm	1
40S05	5 mm x 40 cm	1
40S06	6 mm x 40 cm	1
40S07	7 mm x 40 cm	1
40S08	8 mm x 40 cm	1
40S10	10 mm x 40 cm	1
50S06	6 mm x 50 cm	1
50S07	7 mm x 50 cm	1
50S08	8 mm x 50 cm	1
60S06	6 mm x 60 cm	1
70S04	4 mm x 70 cm	1
70S05	5 mm x 70 cm	1
70S06	6 mm x 70 cm	1
70S07	7 mm x 70 cm	1
70S08	8 mm x 70 cm	1
70S10	10 mm x 70 cm	1
80S06	6 mm x 80 cm	1
80S08	8 mm x 80 cm	1
90S06	6 mm x 90 cm	1
90S08	8 mm x 90 cm	1
10S13	13 mm x 10 cm	1
10S16	16 mm x 10 cm	1
10S19	19 mm x 10 cm	1
35S13	13 mm x 35 cm	1
35S16	16 mm x 35 cm	1
35S19	19 mm x 35 cm	1

Straight

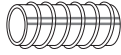
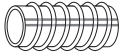


Large Diameter



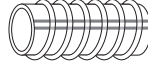





# SURGICAL GRAFTS: CARBOFLO® AND ePTFE GRAFTS

## IMPRA® Vascular Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH	
F2006S	6 mm x 20 cm	1	<b>Flex Small Beading</b> 
F4008S	8 mm x 40 cm	1	
F5008S	8 mm x 50 cm	1	
F7006S	6 mm x 70 cm	1	
F7008S	8 mm x 70 cm	1	
F8006S	6 mm x 80 cm	1	
F8008S	8 mm x 80 cm	1	
<hr/>			
F1006	6 mm x 10 cm	1	<b>IMPRA® Flex Grafts</b> 
F1008	8 mm x 10 cm	1	
F1010	10 mm x 10 cm	1	
F2006	6 mm x 20 cm	1	
F2007	7 mm x 20 cm	1	
F3006	6 mm x 30 cm	1	
F4006	6 mm x 40 cm	1	
F4007	7 mm x 40 cm	1	
F4008	8 mm x 40 cm	1	
F4010	10 mm x 40 cm	1	
F5006	6 mm x 50 cm	1	
F5007	7 mm x 50 cm	1	
F5008	8 mm x 50 cm	1	
F5010	10 mm x 50 cm	1	
F6006	6 mm x 60 cm	1	
F6008	8 mm x 60 cm	1	
F6010	10 mm x 60 cm	1	
F7006	6 mm x 70 cm	1	
F7007	7 mm x 70 cm	1	
F7008	8 mm x 70 cm	1	
F7010	10 mm x 70 cm	1	
F8006	6 mm x 80 cm	1	
F8007	7 mm x 80 cm	1	
F8008	8 mm x 80 cm	1	
F9006	6 mm x 90 cm	1	
F9008	8 mm x 90 cm	1	

# SURGICAL GRAFTS: CARBOFLO® AND ePTFE GRAFTS

## IMPRA® Vascular Grafts

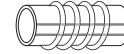
PRODUCT CODE	DIMENSIONS	UNITS/EACH	
F2513	13 mm x 25 cm	1	<b>Flex Large Diameter</b> 
F2516	16 mm x 25 cm	1	
F2519	19 mm x 25 cm	1	
F3513	13 mm x 35 cm	1	
F3516	16 mm x 35 cm	1	
F3519	19 mm x 35 cm	1	
70T74	7 - 4 mm x 70 cm	1	<b>Tapered</b> 
70T85	8 - 5 mm x 70 cm	1	
F70T74S	7 - 4 mm x 70 cm	1	<b>Flex Tapered Small Beading</b> 
F70T85S	8 - 5 mm x 70 cm	1	
F70T74	7 - 4 mm x 70 cm	1	<b>Flex Tapered</b> 
T1547	4 - 7 mm x 15 cm	1	<b>Stepped</b> 
T4546	4 - 6 mm x 45 cm	1	
T4547	4 - 7 mm x 45 cm	1	
T4558	5 - 8 mm x 45 cm	1	
T5047	4 - 7 mm x 50 cm	1	
T5058	5 - 8 mm x 50 cm	1	
T6047	4 - 7 mm x 60 cm	1	
40A64	6 - 4 mm x 40 cm	1	
40A74	7 - 4 mm x 40 cm	1	<b>Short Tapered</b> 
45A64	6 - 4 mm x 45 cm	1	
60A74	7 - 4 mm x 60 cm	1	

# SURGICAL GRAFTS: CARBOFLO® AND ePTFE GRAFTS

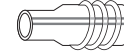
## IMPRA® Vascular Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH
CF4006	6 mm x 40 cm	1
CF4008	8 mm x 40 cm	1
CF5006	6 mm x 50 cm	1
CF5008	8 mm x 50 cm	1
CF8006	6 mm x 80 cm	1
<hr/>		
CFT4547	4 - 7 mm x 45 cm	1
CFT4558	5 - 8 mm x 45 cm	1
<hr/>		
CF40A64	6 - 4 mm x 40 cm	1

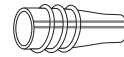
**CENTERFLEX™ Grafts**



**Stepped CENTERFLEX™ Grafts**



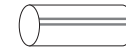
**Short Tapered CENTERFLEX™ Grafts**



## IMPRA® Vascular Grafts

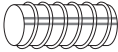
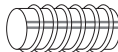
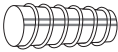
PRODUCT CODE	DIMENSIONS	UNITS/EACH
10S03TW	3 mm x 10 cm	1
10S04TW	4 mm x 10 cm	1
10S05TW	5 mm x 10 cm	1
10S06TW	6 mm x 10 cm	1
10S08TW	8 mm x 10 cm	1
20S06TW	6 mm x 20 cm	1
30S06TW	6 mm x 30 cm	1
40S03TW	3 mm x 40 cm	1
40S06TW	6 mm x 40 cm	1
40S08TW	8 mm x 40 cm	1
70S06TW	6 mm x 70 cm	1
70S07TW	7 mm x 70 cm	1
70S08TW	8 mm x 70 cm	1
80S06TW	6 mm x 80 cm	1
80S07TW	7 mm x 80 cm	1
80S08TW	8 mm x 80 cm	1

**Straight Thinwall**



# SURGICAL GRAFTS: CARBOFLO® AND ePTFE GRAFTS

## IMPRA® Vascular Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH	
F1006TWS	6 mm x 10 cm	1	<b>Flex Thinwall Small Beading</b> 
F5006TWS	6 mm x 50 cm	1	
F5008TWS	8 mm x 50 cm	1	
F6006TWS	6 mm x 60 cm	1	
F7006TWS	6 mm x 70 cm	1	
F7007TWS	7 mm x 70 cm	1	
F7008TWS	8 mm x 70 cm	1	
F8006TWS	6 mm x 80 cm	1	
F8007TWS	7 mm x 80 cm	1	
F8008TWS	8 mm x 80 cm	1	
F4006TW	6 mm x 40 cm	1	<b>Flex Thinwall</b> 
F4008TW	8 mm x 40 cm	1	
F5006TW	6 mm x 50 cm	1	
F5008TW	8 mm x 50 cm	1	
F7006TW	6 mm x 70 cm	1	
F7007TW	7 mm x 70 cm	1	
F7008TW	8 mm x 70 cm	1	
F8006TW	6 mm x 80 cm	1	
F8008TW	8 mm x 80 cm	1	
F70T74TWS	7 - 4 mm x 70 cm	1	<b>Flex Thinwall Tapered Small Beading</b> 



# SURGICAL GRAFTS: PERIPHERAL VASCULAR SPECIALTY GRAFTS

## DISTAFLO® Bypass Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH
DF5006SC	6 mm x 50 cm	1
DF5007SC	7 mm x 50 cm	1
DF5008SC	8 mm x 50 cm	1
DF6006SC	6 mm x 60 cm	1
DF6007SC	7 mm x 60 cm	1
DF6008SC	8 mm x 60 cm	1
DF7006SC	6 mm x 70 cm	1
DF7007SC	7 mm x 70 cm	1
DF7008SC	8 mm x 70 cm	1
DF8006SC	6 mm x 80 cm	1
DF8007SC	7 mm x 80 cm	1
DF8008SC	8 mm x 80 cm	1
DFM5006SC	6 mm x 50 cm	1
DFM6006SC	6 mm x 60 cm	1
DFM7006SC	6 mm x 70 cm	1
DFM8006SC	6 mm x 80 cm	1

Flex Small Beading With Standard Cuff



Flex Small Beading With Small Cuff



## DISTAFLO® Mini Cuff Bypass Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH
DFX6006SC	6 mm x 60 cm	1
DFX7006SC	6 mm x 70 cm	1
DFX8006SC	6 mm x 80 cm	1
DFX9006SC	6 mm x 90 cm	1

Flex Small Beading With Mini Cuff



## DYNAFLO® Bypass Grafts

PRODUCT CODE	DIMENSIONS	UNITS/EACH
DN5007C	7 mm x 50 cm	1
DN5008C	8 mm x 50 cm	1
DN6007C	7 mm x 60 cm	1
DN6008C	8 mm x 60 cm	1
DNF5007SC	7 mm x 50 cm	1
DNF5008SC	8 mm x 50 cm	1
DNF6007SC	7 mm x 60 cm	1
DNF6008SC	8 mm x 60 cm	1
DNF7007SC	7 mm x 70 cm	1
DNF7008SC	8 mm x 70 cm	1
DNF8007SC	7 mm x 80 cm	1
DNF8008SC	8 mm x 80 cm	1

Bypass Grafts



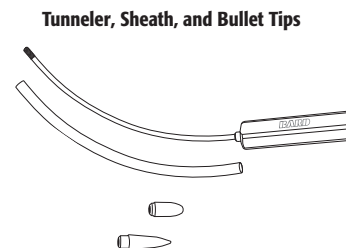
Flex Small Beading



# SURGICAL GRAFTS: TUNNELER SETS AND ACCESSORIES

## AV Sheath Tunneler Set

PRODUCT CODE	DESCRIPTION	DIMENSIONS	UNITS/EACH
AVST2000	AV Sheath Tunneler Set Set includes item codes listed below.		1
AVSTS0005	5 mm Straight Sheath	23 cm	1
AVSTS0605	5 mm 60° Sheath	22 cm	1
AVSTS1205	5 mm 120° Sheath	22 cm	1
AVST0015	5 mm Dissecting Bullet Tip		1
AVST0025	5 mm Blunt Bullet Tip		1
AVSTS0006	6 mm Straight Sheath	23 cm	1
AVSTS0606	6 mm 60° Sheath	22 cm	1
AVSTS1206	6 mm 120° Sheath	22 cm	1
AVSTS1806	6 mm 180° Sheath	19 cm	1
AVST0016	6 mm Dissecting Bullet Tip		1
AVST0026	6 mm Blunt Bullet tip		1
AVSTR000	Straight Rod	24.5 cm	1
AVSTR060	60° Rod	23.5 cm	1
AVSTR120	120° Rod	23.5 cm	1
AVSTR180	180° Rod	20.5 cm	1
AVST0200	Handle		1
AVST0100	Sterilization Cassette		1



## AV Sheath Tunneler Replacement Parts and Tips

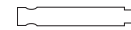
PRODUCT CODE	DESCRIPTION	DIMENSIONS	UNITS/EACH
AVSTS0005	5 mm Straight Sheath	23 cm	1
AVSTS0605	5 mm 60° Sheath	22 cm	1
AVSTS1205	5 mm 120° Sheath	22 cm	1
AVST0015	5 mm Dissecting Bullet Tip		1
AVST0025	5 mm Blunt Bullet Tip		1
AVSTS0006	6 mm Straight Sheath	23 cm	1
AVSTS0606	6 mm 60° Sheath	22 cm	1
AVSTS1206	6 mm 120° Sheath	22 cm	1
AVSTS1806	6 mm 180° Sheath	19 cm	1
AVST0016	6 mm Dissecting Bullet Tip		1
AVST0026	6 mm Blunt Bullet tip		1
AVSTR000	Straight Rod	24.5 cm	1
AVSTR060	60° Rod	23.5 cm	1
AVSTR120	120° Rod	23.5 cm	1
AVSTR180	180° Rod	20.5 cm	1
AVST0200	Handle		1
AVST0100	Sterilization Cassette		1

# SURGICAL GRAFTS: TUNNELER SETS AND ACCESSORIES

## Bi-Directional Tunneler Accessories

PRODUCT CODE	DESCRIPTION	DIMENSIONS	UNITS/EACH
BTH001	Universal Tunneler Handle		1
BTSC035	Curved Shaft	55 cm	1

Universal Tunneler Handle



Curved and Straight Shafts



## Bi-Directional Tunneler Replacement Tips

PRODUCT CODE	DESCRIPTION	DIMENSIONS	UNITS/EACH
BTT06	Bullet Tip	6 mm	1
BTT07	Bullet Tip	7 mm	1
BTT08	Bullet Tip	8 mm	1

Bullet Tip

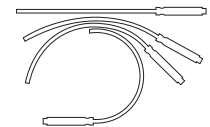


Bi-Directional Tunneler Replacement Tips are interchangeable with the Kelly-Wick Tunneler Tips.

## Kelly-Wick Tunneler Replacement Parts and Tips

PRODUCT CODE	DESCRIPTION	DIMENSIONS	UNITS/EACH
KWS23C	Curved Shaft (60°)	23 cm	1
KWS23CS	Curved Shaft (120°)	23 cm	1
KWS23CSS	Curved Shaft (180°)	23 cm	1
KWS23S	Straight Shaft	23 cm	1
KWT004	Bullet Tip	4 mm	1
KWT004KWL	Vein Tip w/Luer Adapter	4 mm	1
KWT006	Bullet Tip	6 mm	1
KWT007	Bullet Tip	7 mm	1
KWT008	Bullet Tip	8 mm	1
KWT010	Bullet Tip	10 mm	1
KWT012	Bullet Tip	12 mm	1
KWC200	Tunneling Case		1

Shafts



Bullet Tip



# SURGICAL GRAFTS: TUNNELER SETS AND ACCESSORIES

## PV Sheath Tunneler Set

PRODUCT CODE	DESCRIPTION	DIMENSIONS	UNITS/EACH
PVT1000	PV Sheath Tunneler Set		1
PVT0100	Sterilization Cassette		1
PVT0200	Handle		1
PVT0300	8.5 mm Short Sheath	(19"/48 cm Long)	1
PVT0400	11 mm Short Sheath	(19"/48 cm Long)	1
PVT0500	11 mm Long Sheath	(23"/60 cm Long)	1
PVT0600	Short Rod		1
PVT0700	Long Rod		1
PVT0800	8.5 mm Bullet Tip		1
PVT0900	11 mm Bullet Tip		1

Sheath Tunneler



# TAPES AND POUCHES

## PTFE and Polyester Braided Tapes and Pouches

PRODUCT CODE	DIMENSIONS		UNITS/CASE
	INCHES	CENTIMETERS	
<b>BARD® PTFE Braided Tape (2 per sterile pouch)</b>			
007913	1/16" x 24"	2 mm x 61 cm	20
007914	3/16" x 24"	4 mm x 61 cm	20
007917	1/16" x 36"	2 mm x 91.4 cm	20
007918	3/16" x 36"	4 mm x 91.4 cm	20
<b>BARD® Polyester Braided Tape (2 per sterile pouch)</b>			
007915	1/8" x 24"	3 mm x 61 cm	20
<b>BARD® Polyester Braided Tape (1 per sterile pouch)</b>			
007916	1/8" x 36"	3 mm x 91.4 cm	10
<b>BARD® PARSONNET™ Pulse Generator Pouches</b>			
002904	Small		5
002905	Large		5
002906	X-Large		5



# VALVULOPLASTY - AORTIC

## TRUE DILATATION™ Balloon Valvuloplasty Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
0204511	20	4.5	110	11F	1
0224512	22	4.5	110	12F	1
0244512	24	4.5	110	12F	1
0264513	26	4.5	110	13F	1

0.035" guidewire compatible

# VALVULOPLASTY - PULMONARY

## VIDA® PTV\* Balloon Dilatation Catheters

PRODUCT CODE	BALLOON		CATHETER LENGTH (CM)	SHEATH SIZE (F)	UNITS/EACH
	DIAMETER (MM)	LENGTH (CM)			
VDA100122	12	2	100	7F	1
VDA100124	12	4	100	7F	1
VDA100126	12	6	100	7F	1
VDA100142	14	2	100	7F	1
VDA100144	14	4	100	7F	1
VDA100146	14	6	100	8F	1
VDA100162	16	2	100	8F	1
VDA100164	16	4	100	8F	1
VDA100166	16	6	100	8F	1
VDA100182	18	2	100	8F	1
VDA100184	18	4	100	8F	1
VDA100186	18	6	100	9F	1
VDA100202	20	2	100	9F	1
VDA100204	20	4	100	9F	1
VDA100222	22	2	100	10F	1
VDA100224	22	4	100	10F	1
VDA100242	24	2	100	10F	1
VDA100244	24	4	100	10F	1
VDA100262	26	2	100	12F	1
VDA100264	26	4	100	12F	1

0.035" guidewire compatible

\*Percutaneous Transluminal Valvuloplasty

# VASCULAR PROBES

## Vascular Probes

PRODUCT CODE	DIMENSIONS		UNITS/CASE
	PROBE SIZE	LENGTH	
<b>BARD® PARSONNET™ Vascular Probes</b>			
007603	1.0 mm	45 cm	5
007604	1.5 mm	45 cm	5
007605	2.0 mm	45 cm	5
007606	2.5 mm	45 cm	5
007607	3.0 mm	45 cm	5
007608	3.5 mm	45 cm	5





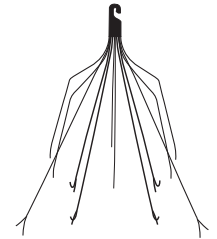
# VENA CAVA FILTERS

## BARD® Snare Retrieval Kit

PRODUCT CODE	DESCRIPTION	UNITS/EACH
SRK30	Dual Sheath Snare Retrieval Kit, 20 mm	1

## DENALI® Vena Cava Filter System

PRODUCT CODE	DESCRIPTION	UNITS/EACH
DL900F	Femoral Delivery Kit	1
DL900J	Jugular/Subclavian Delivery Kit	1

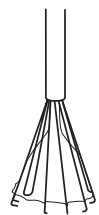


## Individual Delivery Sheath / Dilator Sets for SIMON NITINOL® Filter

PRODUCT CODE	DESCRIPTION	UNITS/EACH
3120F	Femoral Catheter	1
3220J	Jugular/Subclavian Catheter	1
3320A	Antecubital Catheter	1

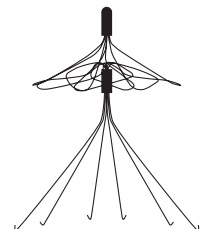
## RECOVERY CONE® Removal System

PRODUCT CODE	DESCRIPTION	UNITS/EACH
FBRC	RECOVERY CONE® Removal System	1



## SIMON NITINOL® Filter System

PRODUCT CODE	DESCRIPTION	UNITS/EACH
2120F	Femoral Delivery Kit	1
2220J	Jugular/Subclavian Delivery Kit	1
2320A	Antecubital Delivery Kit	1





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FOR ORDERING OR INFORMATION: **1.800.321.4254**

CONFIDENTIAL AND PROPRIETARY

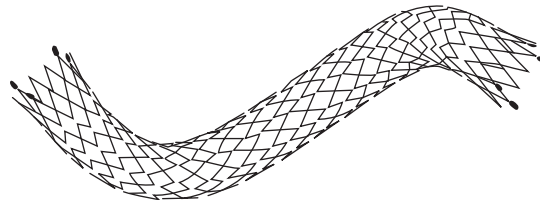
Please consult package inserts for more detailed safety information and instructions for use.

# BILIARY STENTS

## E-LUMINEXX® Biliary Stents

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
ZBL04020	4 mm	20 mm	135 cm	0.035"	6F	1
ZBL04030	4 mm	30 mm	135 cm	0.035"	6F	1
ZBL04040	4 mm	40 mm	135 cm	0.035"	6F	1
ZBL04060	4 mm	60 mm	135 cm	0.035"	6F	1
ZBL04080	4 mm	80 mm	135 cm	0.035"	6F	1
ZBL04100	4 mm	100 mm	135 cm	0.035"	6F	1
ZBL04120	4 mm	120 mm	135 cm	0.035"	6F	1
<hr/>						
ZBL05020	5 mm	20 mm	135 cm	0.035"	6F	1
ZBL05030	5 mm	30 mm	135 cm	0.035"	6F	1
ZBL05040	5 mm	40 mm	135 cm	0.035"	6F	1
ZBL05060	5 mm	60 mm	135 cm	0.035"	6F	1
ZBL05080	5 mm	80 mm	135 cm	0.035"	6F	1
ZBL05100	5 mm	100 mm	135 cm	0.035"	6F	1
ZBL05120	5 mm	120 mm	135 cm	0.035"	6F	1
<hr/>						
ZBM06020	6 mm	20 mm	80 cm	0.035"	6F	1
ZBM06030	6 mm	30 mm	80 cm	0.035"	6F	1
ZBM06040	6 mm	40 mm	80 cm	0.035"	6F	1
ZBM06060	6 mm	60 mm	80 cm	0.035"	6F	1
ZBM06080	6 mm	80 mm	80 cm	0.035"	6F	1
ZBM06100	6 mm	100 mm	80 cm	0.035"	6F	1
ZBM06120	6 mm	120 mm	80 cm	0.035"	6F	1
<hr/>						
ZBL06020	6 mm	20 mm	135 cm	0.035"	6F	1
ZBL06030	6 mm	30 mm	135 cm	0.035"	6F	1
ZBL06040	6 mm	40 mm	135 cm	0.035"	6F	1
ZBL06060	6 mm	60 mm	135 cm	0.035"	6F	1
ZBL06080	6 mm	80 mm	135 cm	0.035"	6F	1
ZBL06100	6 mm	100 mm	135 cm	0.035"	6F	1
ZBL06120	6 mm	120 mm	135 cm	0.035"	6F	1

**WARNING: The safety and effectiveness of the 4 mm - 6 mm and 12 mm - 14 mm diameter and the 120 mm length E-LUMINEXX® Biliary Stent for use in the vascular system has not been established.**



# BILIARY STENTS

## E-LUMINEXX® Biliary Stents

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
ZBM07020	7 mm	20 mm	80 cm	0.035"	6F	1
ZBM07030	7 mm	30 mm	80 cm	0.035"	6F	1
ZBM07040	7 mm	40 mm	80 cm	0.035"	6F	1
ZBM07060	7 mm	60 mm	80 cm	0.035"	6F	1
ZBM07080	7 mm	80 mm	80 cm	0.035"	6F	1
ZBM07100	7 mm	100 mm	80 cm	0.035"	6F	1
ZBM07120	7 mm	120 mm	80 cm	0.035"	6F	1
ZBL07020	7 mm	20 mm	135 cm	0.035"	6F	1
ZBL07030	7 mm	30 mm	135 cm	0.035"	6F	1
ZBL07040	7 mm	40 mm	135 cm	0.035"	6F	1
ZBL07060	7 mm	60 mm	135 cm	0.035"	6F	1
ZBL07080	7 mm	80 mm	135 cm	0.035"	6F	1
ZBL07100	7 mm	100 mm	135 cm	0.035"	6F	1
ZBL07120	7 mm	120 mm	135 cm	0.035"	6F	1
ZBM08020	8 mm	20 mm	80 cm	0.035"	6F	1
ZBM08030	8 mm	30 mm	80 cm	0.035"	6F	1
ZBM08040	8 mm	40 mm	80 cm	0.035"	6F	1
ZBM08060	8 mm	60 mm	80 cm	0.035"	6F	1
ZBM08080	8 mm	80 mm	80 cm	0.035"	6F	1
ZBM08100	8 mm	100 mm	80 cm	0.035"	6F	1
ZBM08120	8 mm	120 mm	80 cm	0.035"	6F	1
ZBL08020	8 mm	20 mm	135 cm	0.035"	6F	1
ZBL08030	8 mm	30 mm	135 cm	0.035"	6F	1
ZBL08040	8 mm	40 mm	135 cm	0.035"	6F	1
ZBL08060	8 mm	60 mm	135 cm	0.035"	6F	1
ZBL08080	8 mm	80 mm	135 cm	0.035"	6F	1
ZBL08100	8 mm	100 mm	135 cm	0.035"	6F	1
ZBL08120	8 mm	120 mm	135 cm	0.035"	6F	1
ZBM09020	9 mm	20 mm	80 cm	0.035"	6F	1
ZBM09030	9 mm	30 mm	80 cm	0.035"	6F	1
ZBM09040	9 mm	40 mm	80 cm	0.035"	6F	1
ZBM09060	9 mm	60 mm	80 cm	0.035"	6F	1
ZBM09080	9 mm	80 mm	80 cm	0.035"	6F	1
ZBM09100	9 mm	100 mm	80 cm	0.035"	6F	1
ZBM09120	9 mm	120 mm	80 cm	0.035"	6F	1
ZBL09020	9 mm	20 mm	135 cm	0.035"	6F	1
ZBL09030	9 mm	30 mm	135 cm	0.035"	6F	1
ZBL09040	9 mm	40 mm	135 cm	0.035"	6F	1
ZBL09060	9 mm	60 mm	135 cm	0.035"	6F	1
ZBL09080	9 mm	80 mm	135 cm	0.035"	6F	1
ZBL09100	9 mm	100 mm	135 cm	0.035"	6F	1
ZBL09120	9 mm	120 mm	135 cm	0.035"	6F	1

**WARNING: The safety and effectiveness of the 4 mm - 6 mm and 12 mm - 14 mm diameter and the 120 mm length E-LUMINEXX® Biliary Stent for use in the vascular system has not been established.**

# BILIARY STENTS

## E-LUMINEXX® Biliary Stents

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAM-ETER	UNITS/EACH
	DIAMETER	LENGTH				
ZBM10020	10 mm	20 mm	80 cm	0.035"	6F	1
ZBM10030	10 mm	30 mm	80 cm	0.035"	6F	1
ZBM10040	10 mm	40 mm	80 cm	0.035"	6F	1
ZBM10060	10 mm	60 mm	80 cm	0.035"	6F	1
ZBM10080	10 mm	80 mm	80 cm	0.035"	6F	1
ZBM10100	10 mm	100 mm	80 cm	0.035"	6F	1
ZBM10120	10 mm	120 mm	80 cm	0.035"	6F	1
ZBL10020	10 mm	20 mm	135 cm	0.035"	6F	1
ZBL10030	10 mm	30 mm	135 cm	0.035"	6F	1
ZBL10040	10 mm	40 mm	135 cm	0.035"	6F	1
ZBL10060	10 mm	60 mm	135 cm	0.035"	6F	1
ZBL10080	10 mm	80 mm	135 cm	0.035"	6F	1
ZBL10100	10 mm	100 mm	135 cm	0.035"	6F	1
ZBL10120	10 mm	120 mm	135 cm	0.035"	6F	1
ZBM12020	12 mm	20 mm	80 cm	0.035"	6F	1
ZBM12030	12 mm	30 mm	80 cm	0.035"	6F	1
ZBM12040	12 mm	40 mm	80 cm	0.035"	6F	1
ZBM12060	12 mm	60 mm	80 cm	0.035"	6F	1
ZBM12080	12 mm	80 mm	80 cm	0.035"	6F	1
ZBM12100	12 mm	100 mm	80 cm	0.035"	6F	1
ZBM12120	12 mm	120 mm	80 cm	0.035"	6F	1
ZBL12020	12 mm	20 mm	135 cm	0.035"	6F	1
ZBL12030	12 mm	30 mm	135 cm	0.035"	6F	1
ZBL12040	12 mm	40 mm	135 cm	0.035"	6F	1
ZBL12060	12 mm	60 mm	135 cm	0.035"	6F	1
ZBL12080	12 mm	80 mm	135 cm	0.035"	6F	1
ZBL12100	12 mm	100 mm	135 cm	0.035"	6F	1
ZBL12120	12 mm	120 mm	135 cm	0.035"	6F	1
ZBM14020	14 mm	20 mm	80 cm	0.035"	6F	1
ZBM14030	14 mm	30 mm	80 cm	0.035"	6F	1
ZBM14040	14 mm	40 mm	80 cm	0.035"	6F	1
ZBM14060	14 mm	60 mm	80 cm	0.035"	6F	1
ZBM14080	14 mm	80 mm	80 cm	0.035"	6F	1
ZBM14100	14 mm	100 mm	80 cm	0.035"	6F	1
ZBM14120	14 mm	120 mm	80 cm	0.035"	6F	1
ZBL14020	14 mm	20 mm	135 cm	0.035"	6F	1
ZBL14030	14 mm	30 mm	135 cm	0.035"	6F	1
ZBL14040	14 mm	40 mm	135 cm	0.035"	6F	1
ZBL14060	14 mm	60 mm	135 cm	0.035"	6F	1
ZBL14080	14 mm	80 mm	135 cm	0.035"	6F	1
ZBL14100	14 mm	100 mm	135 cm	0.035"	6F	1
ZBL14120	14 mm	120 mm	135 cm	0.035"	6F	1

**WARNING: The safety and effectiveness of the 4 mm - 6 mm and 12 mm - 14 mm diameter and the 120 mm length E-LUMINEXX® Biliary Stent for use in the vascular system has not been established.**

# BILIARY STENTS

## LIFESTAR™ Biliary Stents

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
VIUS06020	6 mm	20 mm	80 cm	0.035"	6F	1
VIUS06030	6 mm	30 mm	80 cm	0.035"	6F	1
VIUS06040	6 mm	40 mm	80 cm	0.035"	6F	1
VIUS06060	6 mm	60 mm	80 cm	0.035"	6F	1
VIUS06080	6 mm	80 mm	80 cm	0.035"	6F	1
VIUS06100	6 mm	100 mm	80 cm	0.035"	6F	1
VIUS06120	6 mm	120 mm	80 cm	0.035"	6F	1
VIUL06020	6 mm	20 mm	135 cm	0.035"	6F	1
VIUL06030	6 mm	30 mm	135 cm	0.035"	6F	1
VIUL06040	6 mm	40 mm	135 cm	0.035"	6F	1
VIUL06060	6 mm	60 mm	135 cm	0.035"	6F	1
VIUL06080	6 mm	80 mm	135 cm	0.035"	6F	1
VIUL06100	6 mm	100 mm	135 cm	0.035"	6F	1
VIUL06120	6 mm	120 mm	135 cm	0.035"	6F	1
VIUS07020	7 mm	20 mm	80 cm	0.035"	6F	1
VIUS07030	7 mm	30 mm	80 cm	0.035"	6F	1
VIUS07040	7 mm	40 mm	80 cm	0.035"	6F	1
VIUS07060	7 mm	60 mm	80 cm	0.035"	6F	1
VIUS07080	7 mm	80 mm	80 cm	0.035"	6F	1
VIUS07100	7 mm	100 mm	80 cm	0.035"	6F	1
VIUS07120	7 mm	120 mm	80 cm	0.035"	6F	1
VIUL07020	7 mm	20 mm	135 cm	0.035"	6F	1
VIUL07030	7 mm	30 mm	135 cm	0.035"	6F	1
VIUL07040	7 mm	40 mm	135 cm	0.035"	6F	1
VIUL07060	7 mm	60 mm	135 cm	0.035"	6F	1
VIUL07080	7 mm	80 mm	135 cm	0.035"	6F	1
VIUL07100	7 mm	100 mm	135 cm	0.035"	6F	1
VIUL07120	7 mm	120 mm	135 cm	0.035"	6F	1
VIUS08020	8 mm	20 mm	80 cm	0.035"	6F	1
VIUS08030	8 mm	30 mm	80 cm	0.035"	6F	1
VIUS08040	8 mm	40 mm	80 cm	0.035"	6F	1
VIUS08060	8 mm	60 mm	80 cm	0.035"	6F	1
VIUS08080	8 mm	80 mm	80 cm	0.035"	6F	1
VIUS08100	8 mm	100 mm	80 cm	0.035"	6F	1
VIUS08120	8 mm	120 mm	80 cm	0.035"	6F	1
VIUL08020	8 mm	20 mm	135 cm	0.035"	6F	1
VIUL08030	8 mm	30 mm	135 cm	0.035"	6F	1
VIUL08040	8 mm	40 mm	135 cm	0.035"	6F	1
VIUL08060	8 mm	60 mm	135 cm	0.035"	6F	1
VIUL08080	8 mm	80 mm	135 cm	0.035"	6F	1
VIUL08100	8 mm	100 mm	135 cm	0.035"	6F	1
VIUL08120	8 mm	120 mm	135 cm	0.035"	6F	1



# BILIARY STENTS

## LIFESTAR™ Biliary Stents

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
VIUS09020	9 mm	20 mm	80 cm	0.035"	6F	1
VIUS09030	9 mm	30 mm	80 cm	0.035"	6F	1
VIUS09040	9 mm	40 mm	80 cm	0.035"	6F	1
VIUS09060	9 mm	60 mm	80 cm	0.035"	6F	1
VIUS09080	9 mm	80 mm	80 cm	0.035"	6F	1
VIUS09100	9 mm	100 mm	80 cm	0.035"	6F	1
VIUS09120	9 mm	120 mm	80 cm	0.035"	6F	1
VIUL09020	9 mm	20 mm	135 cm	0.035"	6F	1
VIUL09030	9 mm	30 mm	135 cm	0.035"	6F	1
VIUL09040	9 mm	40 mm	135 cm	0.035"	6F	1
VIUL09060	9 mm	60 mm	135 cm	0.035"	6F	1
VIUL09080	9 mm	80 mm	135 cm	0.035"	6F	1
VIUL09100	9 mm	100 mm	135 cm	0.035"	6F	1
VIUL09120	9 mm	120 mm	135 cm	0.035"	6F	1
VIUS10020	10 mm	20 mm	80 cm	0.035"	6F	1
VIUS10030	10 mm	30 mm	80 cm	0.035"	6F	1
VIUS10040	10 mm	40 mm	80 cm	0.035"	6F	1
VIUS10060	10 mm	60 mm	80 cm	0.035"	6F	1
VIUS10080	10 mm	80 mm	80 cm	0.035"	6F	1
VIUS10100	10 mm	100 mm	80 cm	0.035"	6F	1
VIUS10120	10 mm	120 mm	80 cm	0.035"	6F	1
VIUL10020	10 mm	20 mm	135 cm	0.035"	6F	1
VIUL10030	10 mm	30 mm	135 cm	0.035"	6F	1
VIUL10040	10 mm	40 mm	135 cm	0.035"	6F	1
VIUL10060	10 mm	60 mm	135 cm	0.035"	6F	1
VIUL10080	10 mm	80 mm	135 cm	0.035"	6F	1
VIUL10100	10 mm	100 mm	135 cm	0.035"	6F	1
VIUL10120	10 mm	120 mm	135 cm	0.035"	6F	1
VIUS12020	12 mm	20 mm	80 cm	0.035"	6F	1
VIUS12030	12 mm	30 mm	80 cm	0.035"	6F	1
VIUS12040	12 mm	40 mm	80 cm	0.035"	6F	1
VIUS12060	12 mm	60 mm	80 cm	0.035"	6F	1
VIUS12080	12 mm	80 mm	80 cm	0.035"	6F	1
VIUS12100	12 mm	100 mm	80 cm	0.035"	6F	1
VIUS12120	12 mm	120 mm	80 cm	0.035"	6F	1
VIUL12020	12 mm	20 mm	135 cm	0.035"	6F	1
VIUL12030	12 mm	30 mm	135 cm	0.035"	6F	1
VIUL12040	12 mm	40 mm	135 cm	0.035"	6F	1
VIUL12060	12 mm	60 mm	135 cm	0.035"	6F	1
VIUL12080	12 mm	80 mm	135 cm	0.035"	6F	1
VIUL12100	12 mm	100 mm	135 cm	0.035"	6F	1
VIUL12120	12 mm	120 mm	135 cm	0.035"	6F	1

# BILIARY STENTS

## LIFESTAR™ Biliary Stents

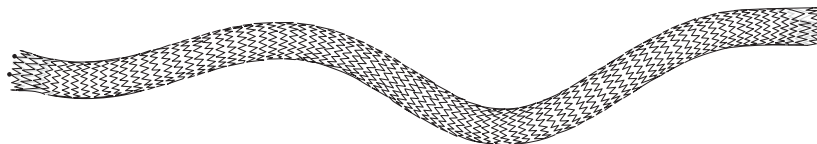
PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
VIUS14020	14 mm	20 mm	80 cm	0.035"	6F	1
VIUS14030	14 mm	30 mm	80 cm	0.035"	6F	1
VIUS14040	14 mm	40 mm	80 cm	0.035"	6F	1
VIUS14060	14 mm	60 mm	80 cm	0.035"	6F	1
VIUS14080	14 mm	80 mm	80 cm	0.035"	6F	1
VIUS14100	14 mm	100 mm	80 cm	0.035"	6F	1
VIUS14120	14 mm	120 mm	80 cm	0.035"	6F	1
VIUL14020	14 mm	20 mm	135 cm	0.035"	6F	1
VIUL14030	14 mm	30 mm	135 cm	0.035"	6F	1
VIUL14040	14 mm	40 mm	135 cm	0.035"	6F	1
VIUL14060	14 mm	60 mm	135 cm	0.035"	6F	1
VIUL14080	14 mm	80 mm	135 cm	0.035"	6F	1
VIUL14100	14 mm	100 mm	135 cm	0.035"	6F	1
VIUL14120	14 mm	120 mm	135 cm	0.035"	6F	1

# BILIARY STENTS

## LIFESTENT® and LIFESTENT® XL Biliary Stent Systems

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
EX050201CS	5 mm	20 mm	80 cm	0.035"	6F	1
EX050301CS	5 mm	30 mm	80 cm	0.035"	6F	1
EX050401CS	5 mm	40 mm	80 cm	0.035"	6F	1
EX050601CS	5 mm	60 mm	80 cm	0.035"	6F	1
EX050801CS	5 mm	80 mm	80 cm	0.035"	6F	1
EX051001CS	5 mm	100 mm	80 cm	0.035"	6F	1
EX051201CS	5 mm	120 mm	80 cm	0.035"	6F	1
EX050203CS	5 mm	20 mm	130 cm	0.035"	6F	1
EX050303CS	5 mm	30 mm	130 cm	0.035"	6F	1
EX050403CS	5 mm	40 mm	130 cm	0.035"	6F	1
EX050603CS	5 mm	60 mm	130 cm	0.035"	6F	1
EX050803CS	5 mm	80 mm	130 cm	0.035"	6F	1
EX051003CS	5 mm	100 mm	130 cm	0.035"	6F	1
EX051203CS	5 mm	120 mm	130 cm	0.035"	6F	1
EX060201CS	6 mm	20 mm	80 cm	0.035"	6F	1
EX060301CS	6 mm	30 mm	80 cm	0.035"	6F	1
EX060401CS	6 mm	40 mm	80 cm	0.035"	6F	1
EX060601CS	6 mm	60 mm	80 cm	0.035"	6F	1
EX060801CS	6 mm	80 mm	80 cm	0.035"	6F	1
EX061001CS	6 mm	100 mm	80 cm	0.035"	6F	1
EX061201CS	6 mm	120 mm	80 cm	0.035"	6F	1
EX061501CS	6 mm	150 mm	80 cm	0.035"	6F	1
EX060203CS	6 mm	20 mm	130 cm	0.035"	6F	1
EX060303CS	6 mm	30 mm	130 cm	0.035"	6F	1
EX060403CS	6 mm	40 mm	130 cm	0.035"	6F	1
EX060603CS	6 mm	60 mm	130 cm	0.035"	6F	1
EX060803CS	6 mm	80 mm	130 cm	0.035"	6F	1
EX061003CS	6 mm	100 mm	130 cm	0.035"	6F	1
EX061203CS	6 mm	120 mm	130 cm	0.035"	6F	1
EX061503CS	6 mm	150 mm	130 cm	0.035"	6F	1

**WARNING: The safety and effectiveness of the 8 mm - 10 mm diameter LIFESTENT® Biliary Stent Systems for use in the vascular system has not been established.**



# BILIARY STENTS

## LIFEStENT® and LIFEStENT® XL Biliary Stent Systems

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
EX070201CS	7 mm	20 mm	80 cm	0.035"	6F	1
EX070301CS	7 mm	30 mm	80 cm	0.035"	6F	1
EX070401CS	7 mm	40 mm	80 cm	0.035"	6F	1
EX070601CS	7 mm	60 mm	80 cm	0.035"	6F	1
EX070801CS	7 mm	80 mm	80 cm	0.035"	6F	1
EX071001CS	7 mm	100 mm	80 cm	0.035"	6F	1
EX071201CS	7 mm	120 mm	80 cm	0.035"	6F	1
EX071501CS	7 mm	150 mm	80 cm	0.035"	6F	1
EX070203CS	7 mm	20 mm	130 cm	0.035"	6F	1
EX070303CS	7 mm	30 mm	130 cm	0.035"	6F	1
EX070403CS	7 mm	40 mm	130 cm	0.035"	6F	1
EX070603CS	7 mm	60 mm	130 cm	0.035"	6F	1
EX070803CS	7 mm	80 mm	130 cm	0.035"	6F	1
EX071003CS	7 mm	100 mm	130 cm	0.035"	6F	1
EX071203CS	7 mm	120 mm	130 cm	0.035"	6F	1
EX071503CS	7 mm	150 mm	130 cm	0.035"	6F	1

**WARNING: The safety and effectiveness of the 8 mm - 10 mm diameter LIFEStENT® Biliary Stent Systems for use in the vascular system has not been established.**

# BILIARY STENTS

## LIFESTENT® and LIFESTENT® XL Biliary Stent Systems

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
EX080201CD	8 mm	20 mm	80 cm	0.035"	6F	1
EX080301CD	8 mm	30 mm	80 cm	0.035"	6F	1
EX080401CD	8 mm	40 mm	80 cm	0.035"	6F	1
EX080601CD	8 mm	60 mm	80 cm	0.035"	6F	1
EX080801CD	8 mm	80 mm	80 cm	0.035"	6F	1
EX080203CD	8 mm	20 mm	130 cm	0.035"	6F	1
EX080303CD	8 mm	30 mm	130 cm	0.035"	6F	1
EX080403CD	8 mm	40 mm	130 cm	0.035"	6F	1
EX080603CD	8 mm	60 mm	130 cm	0.035"	6F	1
EX080803CD	8 mm	80 mm	130 cm	0.035"	6F	1
EX090201CD	9 mm	20 mm	80 cm	0.035"	6F	1
EX090301CD	9 mm	30 mm	80 cm	0.035"	6F	1
EX090401CD	9 mm	40 mm	80 cm	0.035"	6F	1
EX090601CD	9 mm	60 mm	80 cm	0.035"	6F	1
EX090801CD	9 mm	80 mm	80 cm	0.035"	6F	1
EX090203CD	9 mm	20 mm	130 cm	0.035"	6F	1
EX090303CD	9 mm	30 mm	130 cm	0.035"	6F	1
EX090403CD	9 mm	40 mm	130 cm	0.035"	6F	1
EX090603CD	9 mm	60 mm	130 cm	0.035"	6F	1
EX090803CD	9 mm	80 mm	130 cm	0.035"	6F	1
EX100201CD	10 mm	20 mm	80 cm	0.035"	6F	1
EX100301CD	10 mm	30 mm	80 cm	0.035"	6F	1
EX100401CD	10 mm	40 mm	80 cm	0.035"	6F	1
EX100601CD	10 mm	60 mm	80 cm	0.035"	6F	1
EX100801CD	10 mm	80 mm	80 cm	0.035"	6F	1
EX100203CD	10 mm	20 mm	130 cm	0.035"	6F	1
EX100303CD	10 mm	30 mm	130 cm	0.035"	6F	1
EX100403CD	10 mm	40 mm	130 cm	0.035"	6F	1
EX100603CD	10 mm	60 mm	130 cm	0.035"	6F	1
EX100803CD	10 mm	80 mm	130 cm	0.035"	6F	1

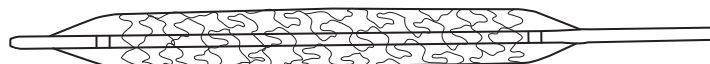
**WARNING: The safety and effectiveness of the 8 mm - 10 mm diameter LIFESTENT® Biliary Stent Systems for use in the vascular system has not been established.**

# BILIARY STENTS

## VALEO® Balloon Expandable Biliary Stents

PRODUCT CODE	STENT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
EV06181CD	6 mm	18 mm	80 cm	0.035"	6F	1
EV06261CD	6 mm	26 mm	80 cm	0.035"	6F	1
EV06361CD	6 mm	36 mm	80 cm	0.035"	6F	1
EV06182CD	6 mm	18 mm	120 cm	0.035"	6F	1
EV06262CD	6 mm	26 mm	120 cm	0.035"	6F	1
EV06362CD	6 mm	36 mm	120 cm	0.035"	6F	1
EV07181CD	7 mm	18 mm	80 cm	0.035"	6F	1
EV07261CD	7 mm	26 mm	80 cm	0.035"	6F	1
EV07361CD	7 mm	36 mm	80 cm	0.035"	6F	1
EV07561CD	7 mm	56 mm	80 cm	0.035"	6F	1
EV07182CD	7 mm	18 mm	120 cm	0.035"	6F	1
EV07262CD	7 mm	26 mm	120 cm	0.035"	6F	1
EV07362CD	7 mm	36 mm	120 cm	0.035"	6F	1
EV07562CD	7 mm	56 mm	120 cm	0.035"	6F	1
EV08181CD	8 mm	18 mm	80 cm	0.035"	6F	1
EV08261CD	8 mm	26 mm	80 cm	0.035"	6F	1
EV08361CD	8 mm	36 mm	80 cm	0.035"	6F	1
EV08561CD	8 mm	56 mm	80 cm	0.035"	6F	1
EV08182CD	8 mm	18 mm	120 cm	0.035"	6F	1
EV08262CD	8 mm	26 mm	120 cm	0.035"	6F	1
EV08362CD	8 mm	36 mm	120 cm	0.035"	6F	1
EV08562CD	8 mm	56 mm	120 cm	0.035"	7F	1
EV09171CD	9 mm	17 mm	80 cm	0.035"	7F	1
EV09261CD	9 mm	26 mm	80 cm	0.035"	7F	1
EV09361CD	9 mm	36 mm	80 cm	0.035"	7F	1
EV09172CD	9 mm	17 mm	120 cm	0.035"	7F	1
EV09262CD	9 mm	26 mm	120 cm	0.035"	7F	1
EV09362CD	9 mm	36 mm	120 cm	0.035"	7F	1
EV10171CD	10 mm	17 mm	80 cm	0.035"	7F	1
EV10261CD	10 mm	26 mm	80 cm	0.035"	7F	1
EV10361CD	10 mm	36 mm	80 cm	0.035"	7F	1
EV10172CD	10 mm	17 mm	120 cm	0.035"	7F	1
EV10262CD	10 mm	26 mm	120 cm	0.035"	7F	1
EV10362CD	10 mm	36 mm	120 cm	0.035"	7F	1

**WARNING: The safety and effectiveness of the VALEO® Balloon Expandable Biliary Stents for use in the vascular system has not been established.**



# DRAINAGE

## ASPIRA® Drainage Catheters

PRODUCT CODE	DESCRIPTION	UNITS/CASE
<b>ASPIRA® Peritoneal Drainage Catheters</b>		
4992206	<b>Peritoneal Drainage Catheter Kit</b> <i>Includes:</i> 1 Insertion Tray with Catheter	1
4992207	<b>Peritoneal Drainage Complete Kit</b> <i>Includes:</i> 1 Insertion Tray with Catheter 5 Drainage Kits 5 Dressing Kits Voucher for 20 Drainage Kits Voucher for 20 Dressing Kits	1
4992208	<b>Peritoneal Drainage Essential Kit</b> <i>Includes:</i> 1 Insertion Tray with Catheter 20 Drainage Kits 20 Dressing Kits	1
4992209	<b>Peritoneal Drainage Starter Kit</b> <i>Includes:</i> 1 Insertion Tray with Catheter 5 Drainage Kits 5 Dressing Kits	1
<b>ASPIRA® Pleural Drainage Catheters</b>		
4992506	<b>Pleural Drainage Catheter Kit</b> <i>Includes:</i> 1 Insertion Tray with Catheter	1
4992507	<b>Pleural Drainage Complete Kit</b> <i>Includes:</i> 1 Insertion Tray with Catheter 5 Drainage Kits 5 Dressing Kits Voucher for 20 Drainage Kits Voucher for 20 Dressing Kits	1
4992508	<b>Pleural Drainage Essential Kit</b> <i>Includes:</i> 1 Insertion Tray with Catheter 20 Drainage Kits 20 Dressing Kits	1
4992509	<b>Peritoneal Drainage Starter Kit</b> <i>Includes:</i> 1 Insertion Tray with Catheter 5 Drainage Kits 5 Dressing Kits	1
<b>ASPIRA® Drainage Disposables</b>		
4991503	Dressing Kit - 5 Kits Included	5/case
4992301	1,000 ml Drainage Bag - 5 Bags Included	5/case
4992303	600 ml Drainage Bottle - 10 Drainage Bottles and 10 Dressing Kits	10/case
4992305	Luer Adapter	5/case
4992306	Repair Kit	5/case
4992307	Universal Tubing Adapter	5/case

For Ordering or Information: **1.800.321.4254**

**CONFIDENTIAL AND PROPRIETARY 101**

Please consult package inserts for more detailed safety information and instructions for use.

# DRAINAGE

## NAVARRE® Drainage Catheters

PRODUCT CODE	DESCRIPTION	UNITS/CASE
<b>NAVARRE® Percutaneous Biliary Drainage Catheters with Nitinol</b>		
NBD8	8 F Locking Pigtail	5/case
NBD10	10 F Locking Pigtail	5/case
NBD12	12 F Locking Pigtail	5/case
<b>NAVARRE® Universal Drainage Catheters with Nitinol</b>		
NNU6J	6 F J-Curve	5/case
NNU6PT	6 F Pigtail	5/case
NNU6LPT	6 F Locking Pigtail	5/case
NNU6LP15	6 F 15 cm Locking Pigtail	5/case
NNU8J	8 F J-Curve	5/case
NNU8PT	8 F Pigtail	5/case
NNU8LPT	8 F Locking Pigtail	5/case
NNU8LP15	8 F 15 cm Locking Pigtail	5/case
NNU10J	10 F J-Curve	5/case
NNU10PT	10 F Pigtail	5/case
NNU10LPT	10 F Locking Pigtail	5/case
NNU12J	12 F J-Curve	5/case
NNU12PT	12 F Pigtail	5/case
NNU12LPT	12 F Locking Pigtail	5/case
<b>NAVARRE® Opti-Drain Multi-Use Drainage Catheters</b>		
NOD8J	8 F J-Curve	5/case
NOD8PT	8 F Pigtail	5/case
NOD8LPT	8 F Locking Pigtail	5/case
NOD10J	10 F J-Curve	5/case
NOD10PT	10 F Pigtail	5/case
NOD10LPT	10 F Locking Pigtail	5/case
NOD12J	12 F J-Curve	5/case
NOD12PT	12 F Pigtail	5/case
NOD12LPT	12 F Locking Pigtail	5/case
<b>NAVARRE® Drainage Accessories</b>		
NDB600	Universal Gravity Drainage Bag (600 mL)	10/case
<b>NAVARRE® VacuBag 1000 mL Drainage Bag</b>		
NDB1000	Drainage Bag (1000 mL)	5/case



# ENTERAL FEEDING

## Low-Profile Replacement Devices

PRODUCT CODE	FR	LENGTH	BALLOON/ NON-BALLOON	UNITS/CASE
<b>BARD® Button Continuous Feeding Tube (90° Adaptor) (Non-Sterile)</b>				
000256	18 F	N/A	Non-Balloon	12/case
000258	24 F	N/A	Non-Balloon	12/case
000268	28 F	N/A	Non-Balloon	12/case
<b>BARD® Button Device Feeding Tube Bolus with Straight Adaptor (Non-Sterile)</b>				
000257	18 F	10"	Non-Balloon	12/case
000259	24 F	10"	Non-Balloon	12/case
000269	28 F	10"	Non-Balloon	12/case
<b>BARD® Button Decompression Tube</b>				
		<b>STOMA LENGTH</b>		
000361	18 F	1.2 cm	Non-Balloon	6/case
000350	18 F	1.7 cm	Non-Balloon	6/case
000351	18 F	2.4 cm	Non-Balloon	6/case
000352	18 F	3.4 cm	Non-Balloon	6/case
000362	24 F	1.2 cm	Non-Balloon	6/case
000353	24 F	1.7 cm	Non-Balloon	6/case
000354	24 F	2.4 cm	Non-Balloon	6/case
000355	24 F	3.4 cm	Non-Balloon	6/case
000356	24 F	4.4 cm	Non-Balloon	6/case
000357	28 F	1.5 cm	Non-Balloon	6/case
000358	28 F	2.7 cm	Non-Balloon	6/case
000359	28 F	4.3 cm	Non-Balloon	6/case
<b>BARD® Button Gastrostomy Tube and Accessories</b>				
		<b>STOMA LENGTH</b>		
000292	18 F	1.2 cm	Non-Balloon	1
000282	18 F	1.7 cm	Non-Balloon	1
000283	18 F	2.4 cm	Non-Balloon	1
000284	18 F	3.4 cm	Non-Balloon	1
000293	24 F	1.2 cm	Non-Balloon	1
000285	24 F	1.7 cm	Non-Balloon	1
000286	24 F	2.4 cm	Non-Balloon	1
000287	24 F	3.4 cm	Non-Balloon	1
000296	24 F	4.4 cm	Non-Balloon	1
000261	28 F	1.5 cm	Non-Balloon	1
000262	28 F	2.7 cm	Non-Balloon	1
000263	28 F	4.3 cm	Non-Balloon	1

# ENTERAL FEEDING

## Percutaneous Endoscopic Gastrostomy (PEG) Feeding Devices

PRODUCT CODE	FR	PUSH/PULL†	UNITS/CASE
<b>PONSKY® PEG with Standard Kit*, Non-Safety**</b>			
000330	20 F	Pull	2/case
000331	20 F	Push	2/case
<b>PONSKY® PEG with Deluxe Kit*, Safety**</b>			
003029	20 F	Pull	2/case
003030	20 F	Push	2/case
003027	28 F	Pull	2/case
003028	28 F	Push	2/case
<b>PONSKY® PEG with Deluxe Kit*, Non-Safety**</b>			
000792	20 F	Pull	2/case
000793	20 F	Push	2/case
<b>PONSKY-GAUDERER® PEG with Standard Kit*, Non-Safety**</b>			
000328	20 F	Push	2/case
000329	20 F	Pull	2/case

\*Deluxe Kits include snare and scissors, standards kits do not.

\*\*Safely Kits include safety engineered sharp devices.

† Push = Guidewire

## Percutaneous Endoscopic Gastrostomy (PEG) Accessories

PRODUCT CODE	FR	CATHETER LENGTH	PUSH/PULL	UNITS/CASE
<b>Jejunal Feeding/Gastric Decompression Tube</b>				
000319	9 F	27 in	Pull	2/case
000732	9 F	35 in	Push	2/case
000733	12 F	27 in	Pull	2/case
000734	12 F	35 in	Push	2/case
<b>PONSKY® Dual Port Feeding Adapter</b>				
000317	16 F	N/A	N/A	5/case
000333*	20 F	N/A	N/A	5/case
000318	28 F	N/A	N/A	5/case
<b>PEG Cleaning Brush</b>				
000396	N/A	N/A	N/A	20/case

\*Also compatible with the PONSKEY-GAUDERER® Dual Port Feeding Adapter and PONSKEY® Non-Balloon Replacement Gastrostomy Tubes.

# ENTERAL FEEDING

## Standard Profile Replacement Devices

PRODUCT CODE	FR	BALLOON SIZE	BALLOON/ NON-BALLOON	UNITS/CASE
<b>BARD® Tri-Funnel Replacement Gastrostomy Tube</b>				
000712	12 F	5 cc	Balloon	2/case
000714	14 F	5 cc	Balloon	2/case
000716	16 F	20 cc	Balloon	2/case
000718	18 F	20 cc	Balloon	2/case
000720	20 F	20 cc	Balloon	2/case
000722	22 F	20 cc	Balloon	2/case
000724	24 F	20 cc	Balloon	2/case
<b>PONSKY® Replacement Gastrostomy Tube</b>				
000700	20 F	N/A	Non-Balloon	2/case

## Stoma Measuring Device

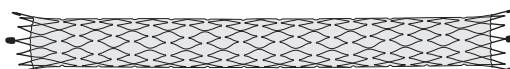
PRODUCT CODE	FRENCH	UNITS/CASE
<b>Use with BARD® Button Device</b>		
000842	18/24 F	5/case
000843	28 F	5/case

# TRACHEOBRONCHIAL STENT GRAFTS

## FLUENCY® Plus Tracheobronchial Stent Grafts

PRODUCT CODE	STENT GRAFT		CATHETER LENGTH	GUIDEWIRE	CATHETER DIAMETER	UNITS/EACH
	DIAMETER	LENGTH				
FTM06040	6 mm	40 mm	80 cm	0.035"	8F	1
FTM06060	6 mm	60 mm	80 cm	0.035"	8F	1
FTM06080	6 mm	80 mm	80 cm	0.035"	8F	1
FTL06040	6 mm	40 mm	117 cm	0.035"	8F	1
FTL06060	6 mm	60 mm	117 cm	0.035"	8F	1
FTL06080	6 mm	80 mm	117 cm	0.035"	8F	1
FTM07040	7 mm	40 mm	80 cm	0.035"	8F	1
FTM07060	7 mm	60 mm	80 cm	0.035"	8F	1
FTM07080	7 mm	80 mm	80 cm	0.035"	9F	1
FTL07040	7 mm	40 mm	117 cm	0.035"	8F	1
FTL07060	7 mm	60 mm	117 cm	0.035"	8F	1
FTL07080	7 mm	80 mm	117 cm	0.035"	9F	1
FTM08040	8 mm	40 mm	80 cm	0.035"	9F	1
FTM08060	8 mm	60 mm	80 cm	0.035"	9F	1
FTM08080	8 mm	80 mm	80 cm	0.035"	9F	1
FTL08040	8 mm	40 mm	117 cm	0.035"	9F	1
FTL08060	8 mm	60 mm	117 cm	0.035"	9F	1
FTL08080	8 mm	80 mm	117 cm	0.035"	9F	1
FTM09040	9 mm	40 mm	80 cm	0.035"	9F	1
FTM09060	9 mm	60 mm	80 cm	0.035"	9F	1
FTM09080	9 mm	80 mm	80 cm	0.035"	9F	1
FTL09040	9 mm	40 mm	117 cm	0.035"	9F	1
FTL09060	9 mm	60 mm	117 cm	0.035"	9F	1
FTL09080	9 mm	80 mm	117 cm	0.035"	9F	1
FTM10040	10 mm	40 mm	80 cm	0.035"	9F	1
FTM10060	10 mm	60 mm	80 cm	0.035"	9F	1
FTM10080	10 mm	80 mm	80 cm	0.035"	9F	1
FTL10040	10 mm	40 mm	117 cm	0.035"	9F	1
FTL10060	10 mm	60 mm	117 cm	0.035"	9F	1
FTL10080	10 mm	80 mm	117 cm	0.035"	9F	1

**WARNING: The safety and effectiveness of the FLUENCY® Plus Tracheobronchial Stent Grafts for use in the vascular system has not been established and can result in serious harm and/or death.**



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NAVARRRE<sup>®</sup> VacuBag

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CTO Recanalization Catheter

# GLIDEPATH<sup>™</sup>

Long-Term Dialysis Catheter

NAVARRRE<sup>®</sup>  
1000 mL Drainage Bag

## 2014 PRODUCT LIST

# LIFESTENT<sup>®</sup> SOLO<sup>™</sup>

Vascular Stent System

# RELIANCE XK<sup>™</sup>

Long-Term Dialysis Catheter

ASPIRA<sup>®</sup>  
Drainage System

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**General Product Information:**

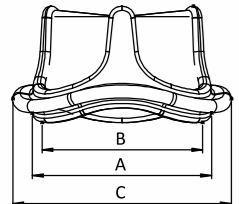
Storage Temperature : 10 °C to 25 °C (50-77 °F)

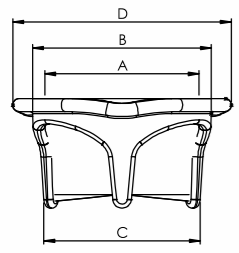
Storage Solution : Glutaraldehyde

Rinse Procedure : 1 min rinse each in first 3 bowl and store the valve in 4th bowl prior to implantation.

MRI Safety Information : Testing of this device in a magnetic field of 1.5 and 3.0 Tesla has shown that this device is MR conditional.

**Technical Specification:**

Aortic	Nominal Specifications (mm)	19	21	23	25	27
	Size					
	A Tissue Annulus Diameter	20	22	24	26.5	28.5
	B Internal Stent Post Diameter (Base)	18	20	22	24	26
	C External Sewing Ring Diameter	27	28	31	33	36

Mitral	Nominal Specifications (mm)	23	25	27	29	31
	Size					
	A. Stent Diameter (Wire Form)	23	25	27	29	29
	B. External Stent Post Diameter (Base)	26.5	28.5	29.5	32.5	32.5
	C. External Stent Post Diameter (Tip)	27	29	31	33	33
	D. External Sewing Ring Diameter	33	36	38	41	43

Available Bioprosthesis Diameter (mm)	Ordering Information	
	Aortic Model	Mitral Model
19	DDL19A	N/A
21	DDL21A	N/A
23	DDL23A	DDL23M
25	DDL25A	DDL25M
27	DDL27A	DDL27M
29	N/A	DDL29M
31	N/A	DDL31M

Available Sizer Set	Ordering Information
Aortic sizer set	DFA1927
Mitral sizer set	DFM2331



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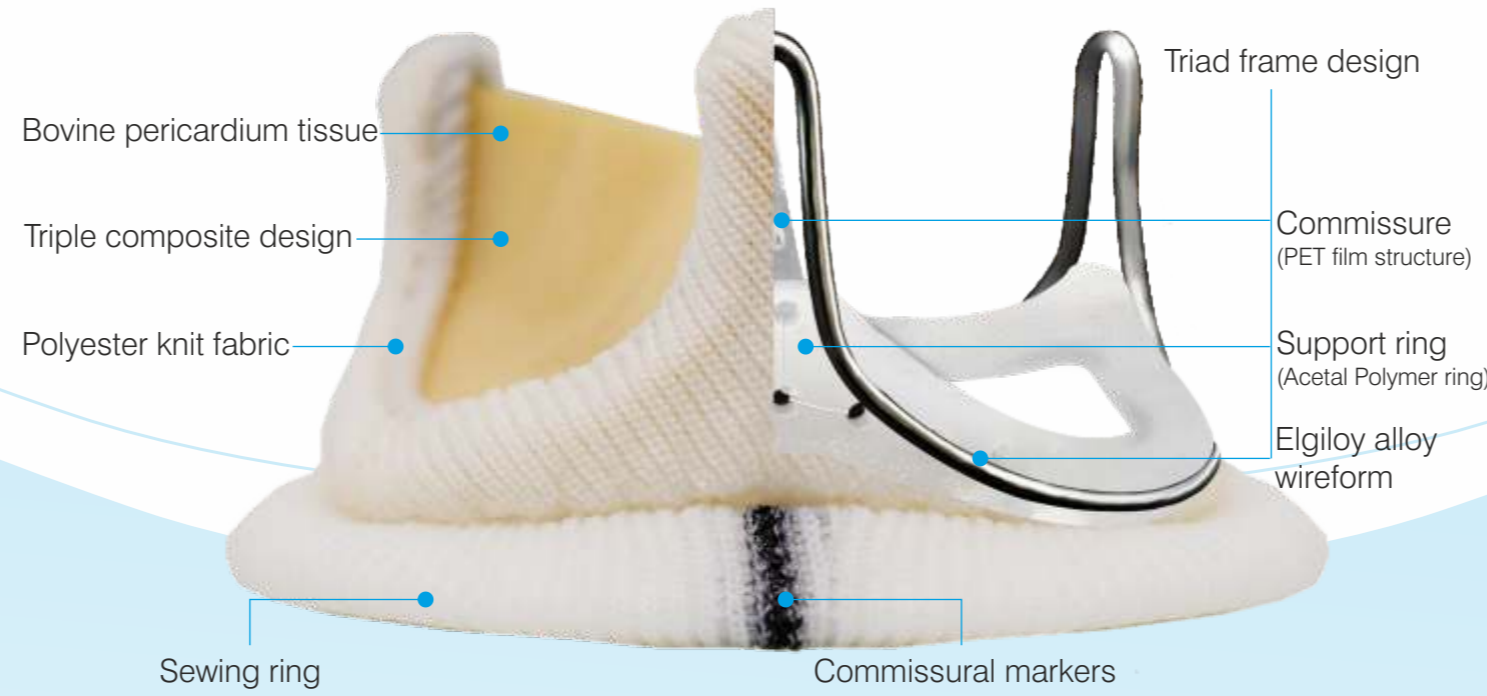


**Dafodil**<sup>TM</sup>  
Pericardial Bioprosthesis



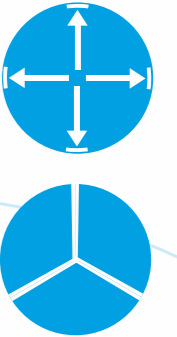


## Tri-leaflet stented bioprosthesis



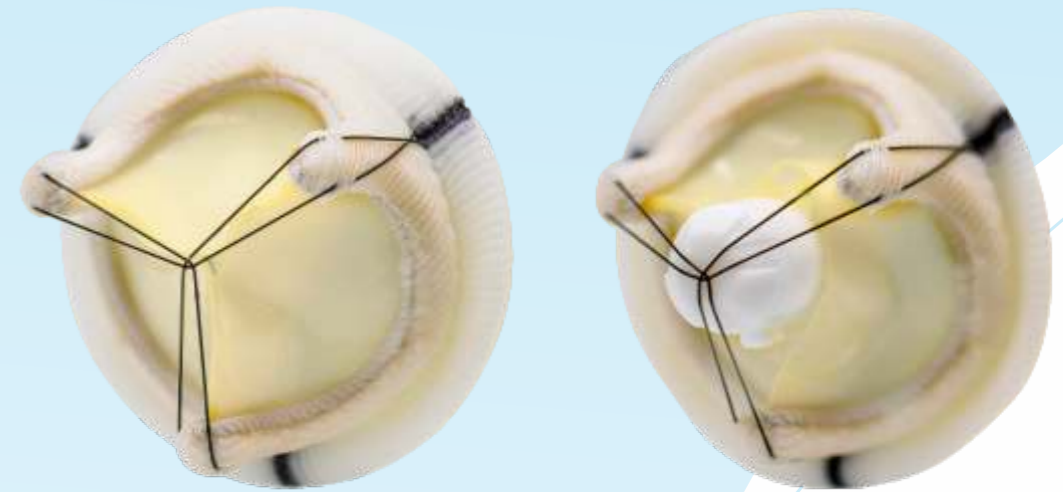
### HEMODYNAMICS SUPPORT

- Triple-Composite design provides optimal Effective Orifice Area (EOA)
- The three separate leaflets are matched for better leaflet Coaptation which helps minimize Intra-Valvular Regurgitation.



### EASE OF IMPLANTABILITY

- Black sutures in Mitral valves helps reduce the profile of the commissures, easing the bioprosthesis implantation in the Mitral annulus.



### TRUSTED DURABILITY

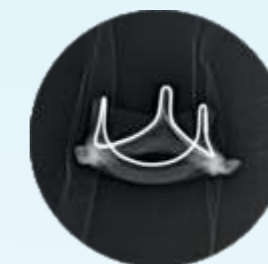
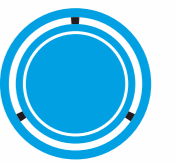
- Leaflets are treated with proprietary anti-calcification process to increase valve's long term durability.
- Three independent pericardial leaflets are laser cut to provide absolute uniformity realizing a Triple-composite design.
- Triad-frame design with elgiloy alloy wireform provides Robustness via Superior spring efficiency, Fatigue and Corrosion resistance.



- Sewing ring designed for better approximation to patient's annulus and for ease of implantability.

- Commissural markers on sewing ring facilitates suture placement and valve orientation.

- Elgiloy alloy wireform provides excellent Radio-Opacity and handling characteristics.



Aortic Valve Placement



Mitral Valve Placement







# GIMA

## GIMA SINGLE USE MB HANDLE - sterile

**Code:** 30553  
**Category:** Monopolar electrosurgery handles  
**Unit of sale:** 1 pc.  
**Minimum order:** 1  
**Type:** Medical device  
**Class:** II B  
**NSIS:** 511977  
**CND:** K0201010501  
**EAN13:** 8964000207017



**Description:** Single-use handle with "click" push-buttons for cut and coag. It Includes blade electrode and 3 meter cable.

GIMA autoclavable electrosurgery pencils with CUT-COAG switch have been studied and tested to offer maximum reliability and functionality to the operator. MB handles are provided with a 3 Pins socket Valley Lab type that fits all Gima mono-bipolar Diatermo MB (122, 132, 160, 200, 202, 240, 380) and majority of bipolar electrosurgical units: Aspen Lab, ES Generator, EMC Statome, Danieli, Braun, Berchtold, Ohmeda, Ritter, Conmed, Eschman, Bovie, Martin, Kontron, Bard, Birtcher 771, Cobi, Valley Lab, Led, Erbe...

*The Pediatric Combination*  
*that lasts*

*Now with*  
**PROPATEN**  
Bioactive Surface  
*for*  
**Pediatric  
Shunt**

**PERFORMANCE** through experience



**PROPATEN®**

VASCULAR GRAFT





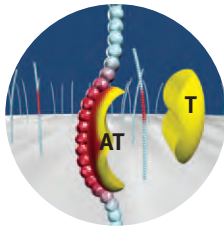
# *A New Category* *in Pediatric Shunts*

- ▶ Gore builds on proven elements you can trust — a combination of innovation and a history of clinical success.
- ▶ **More than 50,000** successful GORE® PROPATEN® Vascular Graft implants and more than three decades of experience with GORE-TEX® Vascular Graft configured for Pediatric Shunts worldwide.
- ▶ **More than 200** scientific papers including numerous clinical studies have demonstrated the performance of the end-point covalent heparin bonding technology.
- ▶ **More than 25 million** Gore clinical ePTFE implants worldwide.
- ▶ **More than 30 years** of experience in medical device implants.

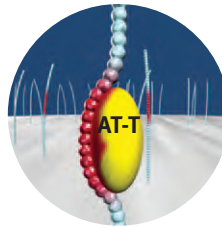
## PROPRIETARY END-POINT COVALENT BONDING

- Only the end of the heparin molecule is bonded to the graft surface

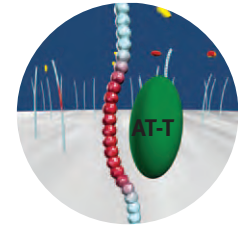
The heparin bioactive site remains free to interact with the blood



- Heparin molecules are bonded to the graft's luminal surface
- Bioactive site of the heparin molecule binds to antithrombin (AT)



- Antithrombin binds to thrombin (T) – a neutral AT-T complex is formed
- Thrombin loses its ability to catalyze the conversion of fibrinogen to fibrin



- Neutral AT-T complex detaches from the heparin molecule
- Heparin bioactive site becomes available to again bind antithrombin

- End-point covalent bonding keeps heparin anchored to the graft surface over time
- Proprietary Gore technology

## HEPARIN

- A proven anticoagulant
- Derived from heparin sourced in North America
- Reduced molecular weight heparin of porcine origin

## ePTFE

- Unchanged GORE-TEX® Vascular Graft handling properties



Stretch Technology



Thin-walled



Longitudinal extensibility – allowing easier tailoring and sizing



Kink resistance – improved handling, soft and supple while enhancing kink resistance

CATALOGUE NUMBER*	INTERNAL DIAMETER (mm)	GRAFT LENGTH (cm)
HPT030005A	3	5
HPT030010A	3	10
HPT030015A	3	15
HPT350005A	3.5	5
HPT350010A	3.5	10
HPT350015A	3.5	15
HPT040005A	4	5
HPT040010A	4	10
HPT040015A	4	15
HPT050005A	5	5
HPT050010A	5	10
HPT050015A	5	15
HPT060015A	6	15

\* European catalogue numbers do not include the 'A'.

For additional sizes and catalogue numbers, please call your local Gore Sales Representative.



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## Examples of Applications in Pediatric Cardiac Surgery:

- Complex Tetralogy of Fallot<sup>1-4</sup>
- Pulmonary atresia with VSD<sup>2-4</sup>
- Pulmonary atresia with intact septum<sup>2-4</sup>
- Double outlet right ventricle with pulmonary stenosis<sup>2,4</sup>
- Complete transposition with pulmonary stenosis<sup>2-4</sup>
- HLHS and other single ventricle equivalents<sup>2,4,5</sup>

1. Alkhalafi AM, Lacour-Gayet F, Serraf A, Belli E, Planché C. Systemic pulmonary shunts in neonates: early clinical outcome and choice of surgical approach. *Annals of Thoracic Surgery* 2000;69(5):1499-1504.
2. Ishino K, Stümper O, De Giovanni JJ, *et al.* The modified Norwood Procedure for hypoplastic left heart syndrome: early to intermediate results of 120 patients with particular reference to aortic arch repair. *Journal of Thoracic & Cardiovascular Surgery* 1999;117(5):920-930.
3. Gladman G, McCrindle BW, Williams WG, Freedom RM, Benson LN. The modified Blalock-Taussig shunt: clinical impact and morbidity in Fallot's tetralogy in the current era. *Journal of Thoracic & Cardiovascular Surgery* 1997;114(1):25-30.
4. Tsai KT, Chang CH, Lin PJ. Modified Blalock-Taussig shunt: statistical analysis of potential factors influencing shunt outcome. *Journal of Cardiovascular Surgery* 1996;37(2):149-152.
5. Al Jubair KA, Al Fagih MR, Al Jarallah AS, *et al.* Results of 546 Blalock-Taussig shunts performed in 478 patients. *Cardiology in the Young* 1998;8(4):486-490.

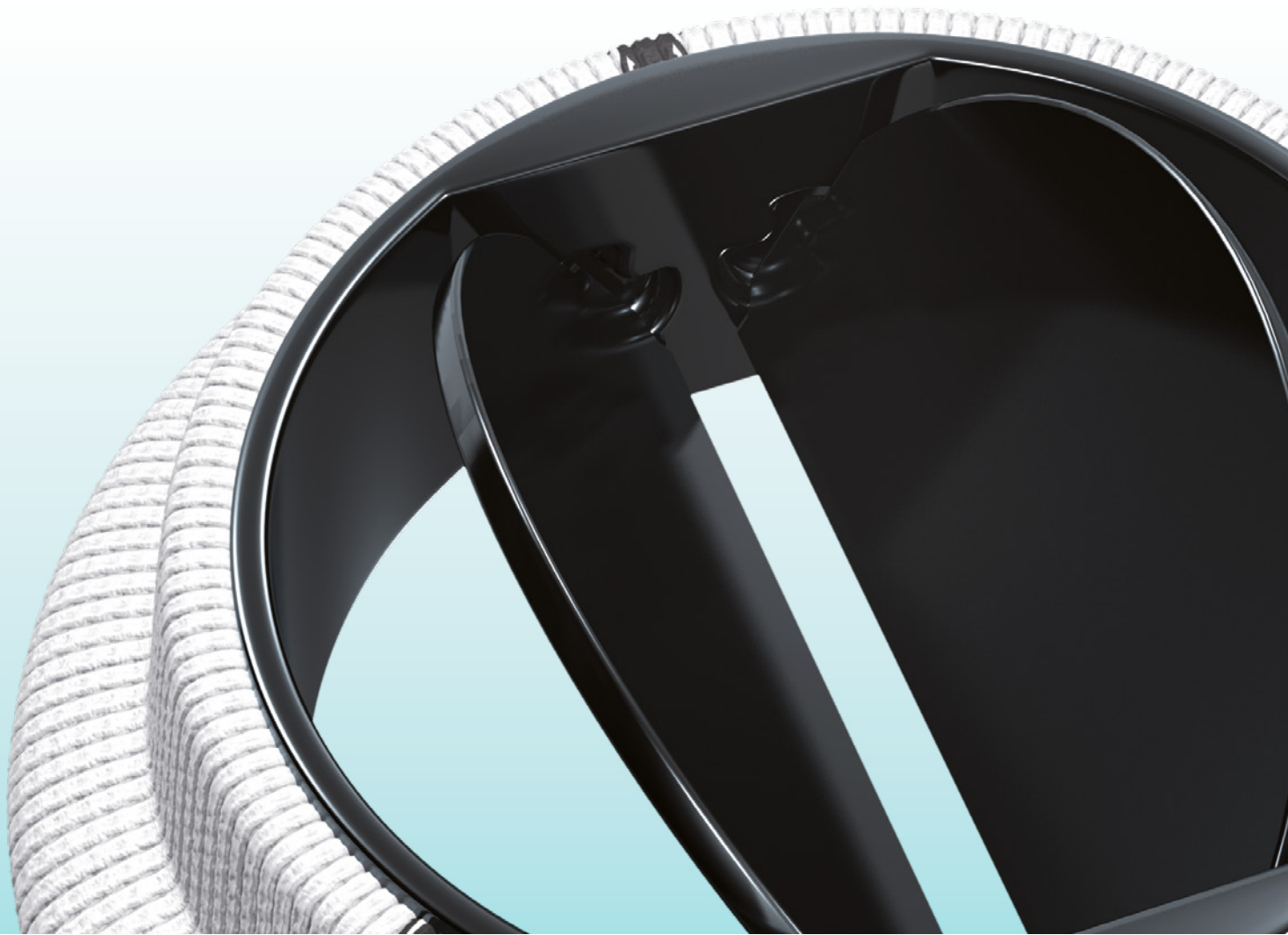


**LivaNova**

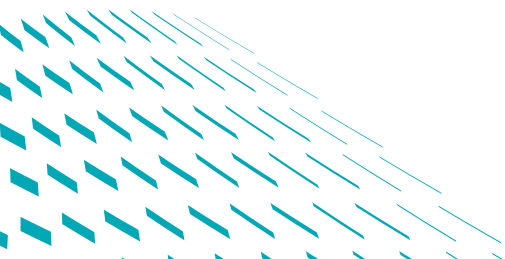
Health innovation that matters

# CARBOMEDICS® FAMILY

Tailored reliability  
for patients and surgeons



Adult and Pediatric bileaflet mechanical heart valves

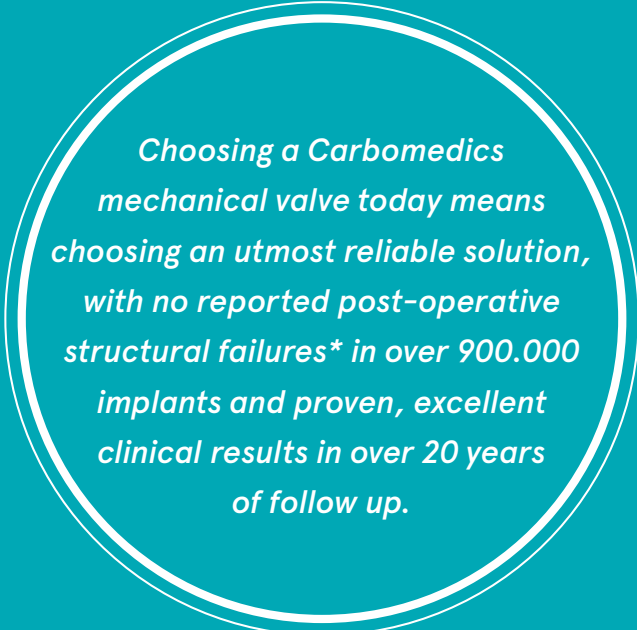


## Tailored options for better patient outcomes

With its Carbomedics line of products LivaNova offers cardiac surgeons and patients a complete set of mechanical heart valve solutions to reliably treat even the most challenging cases.

The Carbomedics name is intrinsically linked to the historical development of mechanical heart valves. Carbomedics is well recognized for having pioneered and mastered pyrolytic Carbon technology for prosthetic devices in the late 1960's, supplying pyrolite components for over 2 million valves manufactured by 14 different companies worldwide. Carbomedics has also contributed to the design and manufacturing of 17 types of valves for a number of companies.

Based on this great expertise and with the clear mission of providing highly reliable and technologically advanced solutions, in 1986 Carbomedics introduced to the market the first mechanical bileaflet valve with a rotatable housing for optimal leaflet positioning. Since this first step, the Carbomedics portfolio has been enriched over time up to the current, complete and compelling set of solutions that offer surgeons the maximum flexibility while treating their patients.



*Choosing a Carbomedics  
mechanical valve today means  
choosing an utmost reliable solution,  
with no reported post-operative  
structural failures\* in over 900.000  
implants and proven, excellent  
clinical results in over 20 years  
of follow up.*

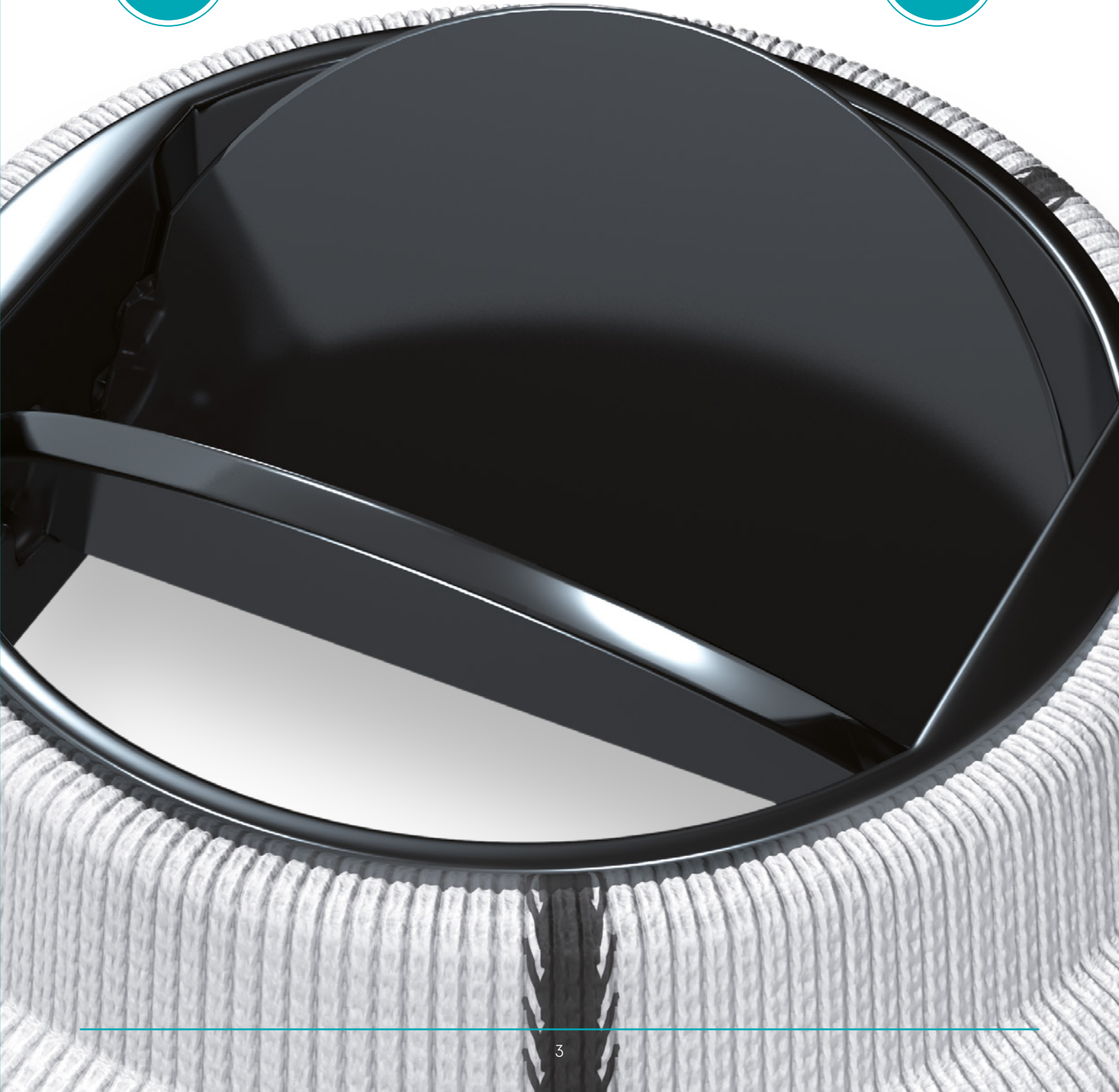
\* No reported structural valve failure in the published scientific literature. None of the events reported to LivaNova Quality System has been classified as structural valve failure upon completion of the analysis.

Tailored performance  
for excellent clinical  
outcomes

Tailored  
ease of implant

Tailored  
safety and durability

Tailored solutions  
for patients and surgeons







## Tailored safety and durability

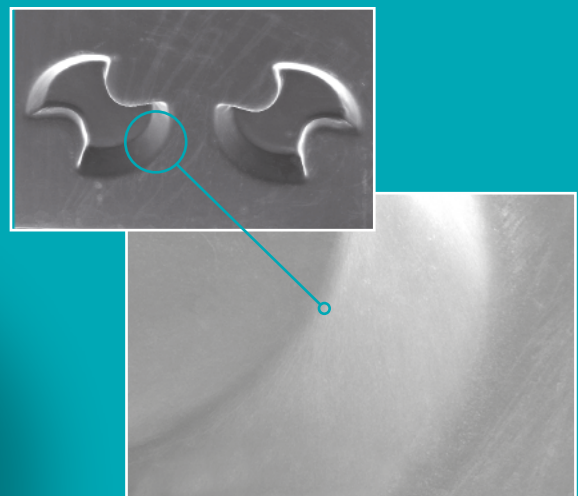
### Leader in biocompatible materials

*Due to its robust design, the Carbomedics bileaflet mechanical heart valve has no reported post-operative structural failures\* in over 900.000 implants worldwide.*

Carbomedics Pyrolite® Carbon is engineered to provide excellent thromboresistance combined with optimal strength.

This is achieved by co-depositing a small amount of Silicon during the manufacturing process, because the Silicon acts as a reinforcing element to the crystal structure of Pyrolytic Carbon.<sup>1</sup> The surface is then polished to remove the superficial roughness, thus achieving a mirror like finish.

Polished Silicon alloyed varieties of Pyrolytic Carbon exhibit an excellent degree of thromboresistance while improving resistance to wear,<sup>1,2</sup> offering excellent and durable clinical results as proven in over 20 years of clinical follow up.



\* No reported structural valve failure in the published scientific literature. None of the events reported to LivaNova Quality System has been classified as structural valve failure upon completion of the analysis.

## A robust design for no structural failure

### Pyrolytic carbon coated leaflets

The leaflets of the Carbomedics valves are made of a substrate of tungsten filled graphite coated with Pyrolite® Carbon. The presence of Tungsten provides better radiopacity allowing a non invasive diagnostic observation of the leaflets' motion through fluoroscopy or similar methodologies.

### Pyrolytic carbon housing

Differently from the substrate processes used by other manufacturers, which results in a graphite core coated with pyrolytic carbon, Carbomedics valves employ an advanced mandrel process resulting in a low profile housing made entirely of Pyrolite® Carbon.

The mandrel process allows pivots to be located within the housing, minimizing pannus ingrowth and interference with leaflet motion that can occur around the protruding “pivot ear” design.<sup>3,4,5</sup> Moreover, it permits a more sophisticated design of the pivot, the shape of which grants total washing of its entire surface, minimizing thromboembolic events.<sup>6</sup>



### Structural components

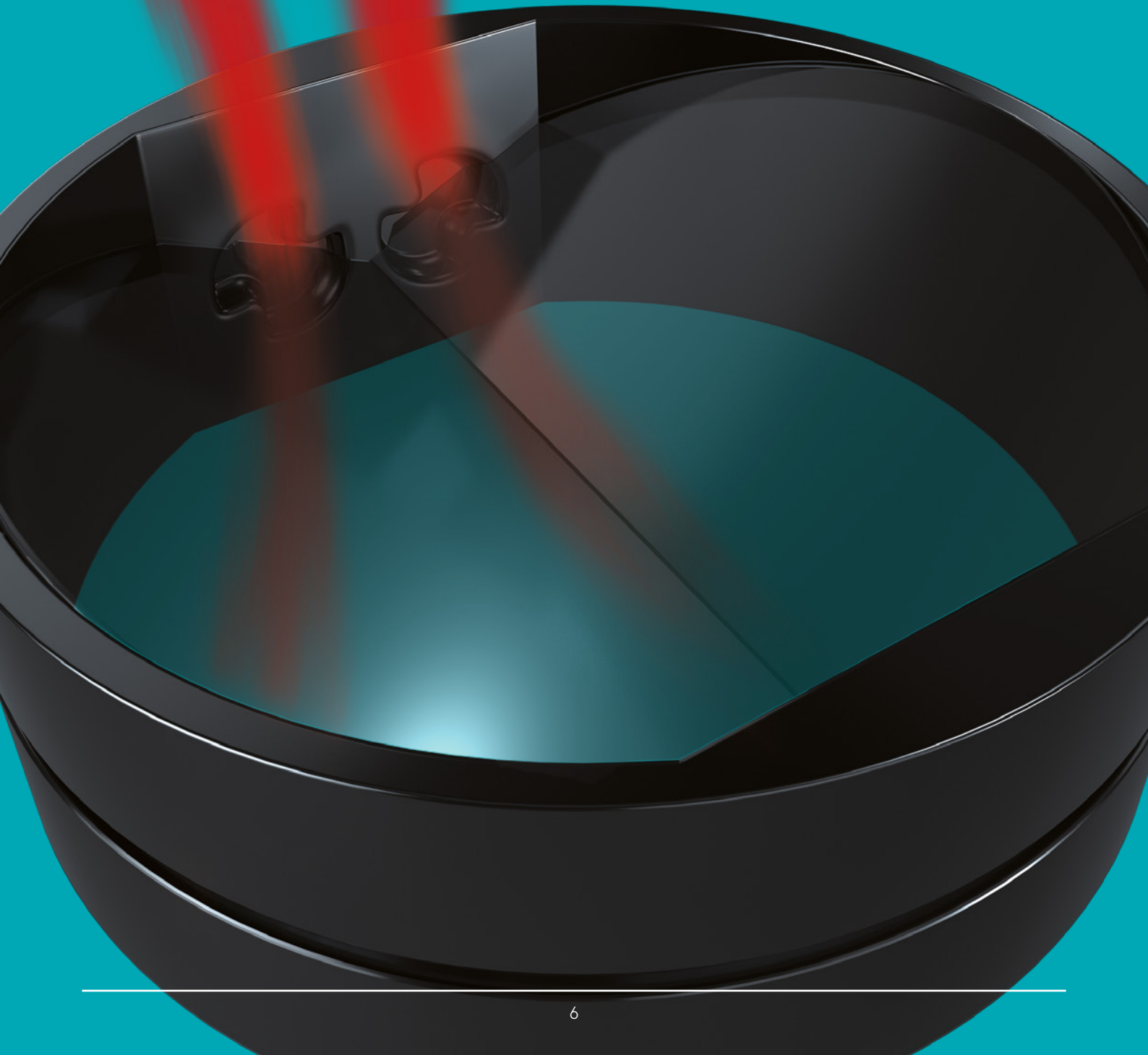
To further enhance structural stability, the housing is reinforced by a titanium stiffening band which makes it up to 30 times stronger than a valve without a stiffening element, minimizing the risk of deformation and consequently, the risk of leaflet dislodgement or lockup.<sup>7</sup>

A lock wire forms a solid mechanical bond between the housing and the titanium reinforcement band while creating a track for rotation. Secure attachment of the sewing cuff to the housing is ensured by double lock wires.

1. Carbon Biomedical Devices. J.C. Bokros - Carbon, 1977;15:355-71.
2. Platelet responses to silicon-alloyed pyrolytic carbons. Goodman et al. - Wiley Periodicals, Inc. J Biomed Mater Res 83A: 64-69, 2007
3. Obstruction of St Jude medical valves in the aortic position: a consideration for pathogenic mechanism of prosthetic valve obstruction. Aoyagi et al. - Cardiovasc Surg. 2002 Aug;10(4):339-44
4. Entrapment of subvalvular mitral tissue causing intermittent failure of a St Jude mitral prosthesis. Dearani et Al. - J Am Soc Echocardiogr. 2000 Dec;13(12):1121-3
5. Entrapment of mitral chordal apparatus causing early postoperative dysfunction of a St. Jude mitral prosthesis. Greaves et Al. -J Am Soc Echocardiogr. 2002 Aug;15(8):843-4
6. Echocardiographic Description Of The Carbomedics Bileaflet Prosthetic Heart Valve. Chambers et al.- J Am Coll Cadiol 1993;21:398-405
7. Leaflet arrest in St Jude medical and Carbomedics valves: an experimental study. Grattan MT, Thulin LI, Eur J - Cardiothoracic Surg. 2004 Nov; 25 (6): 953-7



Tailored performance for excellent clinical outcomes

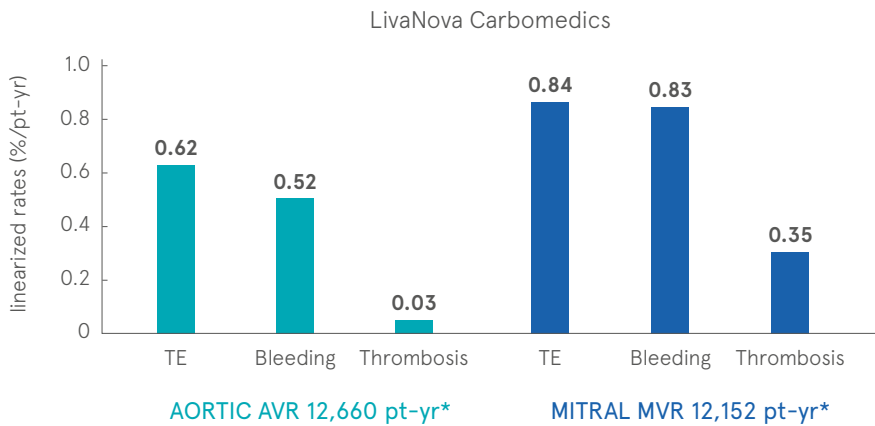


## Carbomedics valves are engineered to achieve true clinical benefits for patients throughout their lifetime

In its long clinical history Carbomedics valve has demonstrated to be of utmost reliability and safety, with no post-operative structural failures and very low incidence of complications.

The enhanced orifice hinge design allows for low thrombogenicity, minimizing pannus overgrowth. The inner surfaces of the pivots are completely open to the flow for washing when the leaflets are closed.<sup>6</sup>

The effectiveness of the Carbomedics design is reflected in the low linearized rates (%/pt-yr) of thromboembolic events reported in published scientific literature.

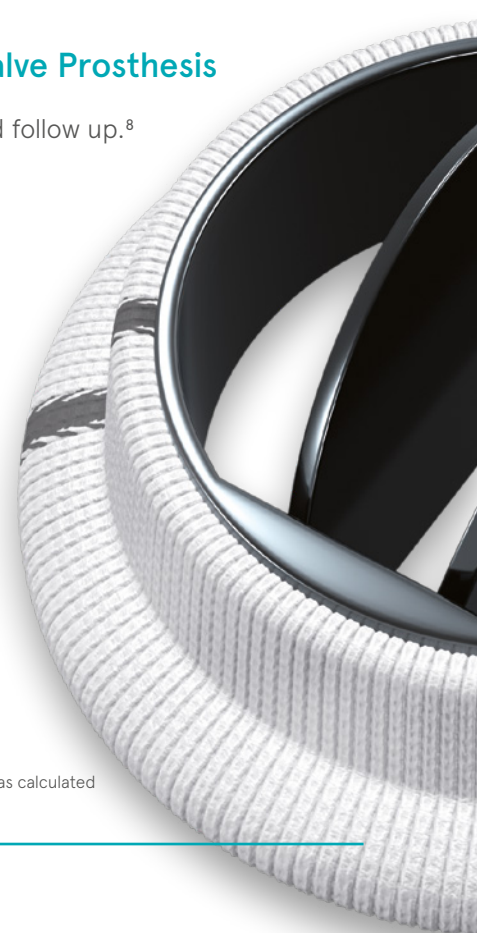
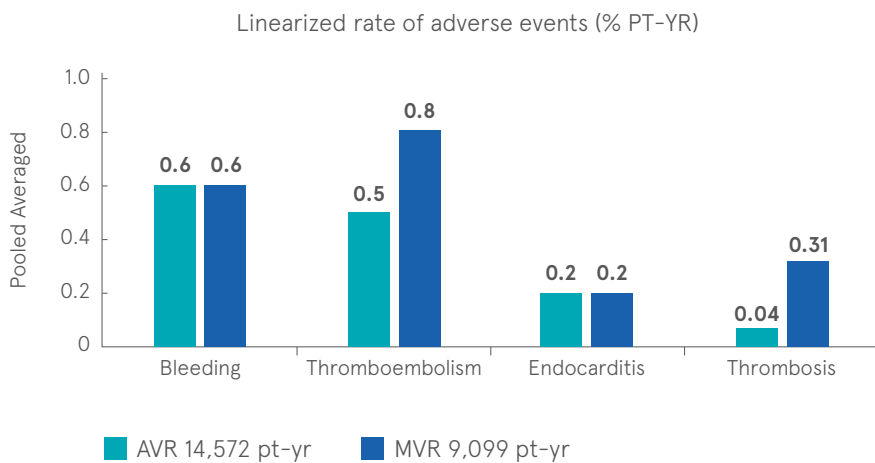


**References:**

- Carrier. J Heart V Dis 2006 Jan;15(1): 67-72
- Aagard. J Heart V Dis 2005 Jan;14(1): 82-8.
- Tominaga. Ann Thorac Surg 2005 Mar;79(3): 784-9
- Kang. Ann Thorac Surg. 2005 Jun;79(6): 1939-44.
- Wu. J Heart V Dis 2006 15: 414-420
- Onoda. Artificial Organs 2002 26(5): 479-82

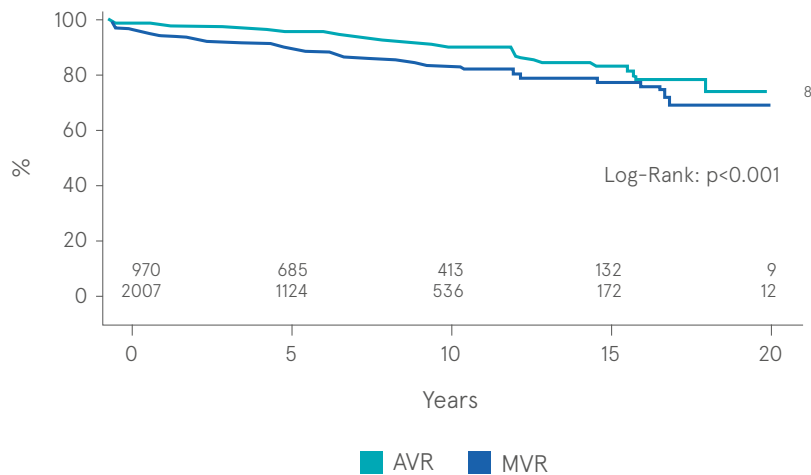
## Twenty-Year Experience With the CarboMedics Mechanical Valve Prosthesis

These outstanding clinical results are confirmed by over **twenty years** of published follow up.<sup>8</sup>



\* Pooled analysis of cited references. If follow-up years for subgroups (AVR, MVR) was not reported in the paper, their value was calculated from event rates values and graphs data, and the most conservative value inferred was performed.

## Freedom from valve-related mortality after mitral and aortic valve replacement\*



## Utmost reliability with low thrombogenicity

Thrombogenicity remains to date one of the major concerns related to the implantation of mechanical heart valves. The safety of the Carbomedics valve with respect to thrombogenicity has been extensively proved in published scientific literature and is well recognized by the current European guidelines for heart valve disease management which classify Carbomedics as a Low thrombogenic prosthesis.<sup>10</sup>

Carbomedics valves have proven to be safe even at INR ranges well below the recommended target.<sup>11,12,13</sup>

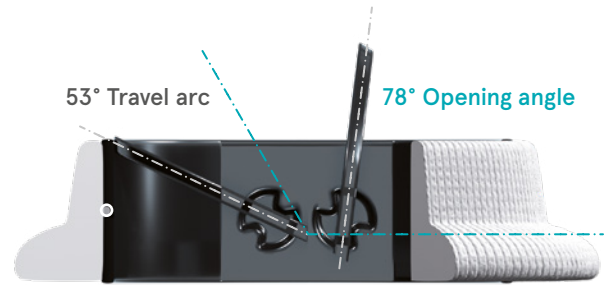
\*All sudden or unknown causes of death were considered valve related in accordance to the Guidelines for reporting morbidity and mortality after cardiac valvular operations.<sup>9</sup>

8. Twenty-Year Experience With the CarboMedics Mechanical Valve Prosthesis. Bouchard et al. - Ann Thorac Surg 2014;97:816-23
9. Guidelines for reporting morbidity and mortality after cardiac valvular operations. Edmunds et al., Ad Hoc Liaison Committee for Standardizing Definitions of Prosthetic Heart Valve Morbidity of the American Association for Thoracic Surgery and the Society of Thoracic Surgeons. - J Thorac Cardiovasc Surg 1996;112:708-11.
10. Guidelines on the management of valvular heart disease (version 2012). The Joint Task Force on the Management of Valvular Heart Disease of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS)- European Heart Journal (2012) 33, 2451-2496
11. Low dose warfarin in patients with Carbomedics heart valves prostheses. P.V. Andersen, J. Aagard- Asian Cardiovasc Thorac Ann 2000; 8:11-4
12. Is low anticoagulation intensity more beneficial for patients with bileaflet mechanical mitral valves? A meta-analysis. Zhe Xu et al., The Journal of Cardiovascular Surgery 2016 February; 57 (1):90-9)
13. Clinical Observation of Postoperative Warfarin Anticoagulation in 300 Patients Undergoing Mitral Valve Replacement with a Carbomedics Mechanical Valve. Wu et al. The Heart Surgery Forum 2015; 18 (2): E063-E066

## A unique platform with excellent hemodynamics

One of the key factors influencing the clinical success of a mechanical heart valve prosthesis is its hemodynamic efficiency.

The opening angle and travel arc of the leaflets of the Carbomedics valve have been established by hydrodynamic testing in order to achieve low pressure gradients and an optimal balance between forward flow and regurgitant volume, thus minimizing total energy loss while promoting quiet operation.

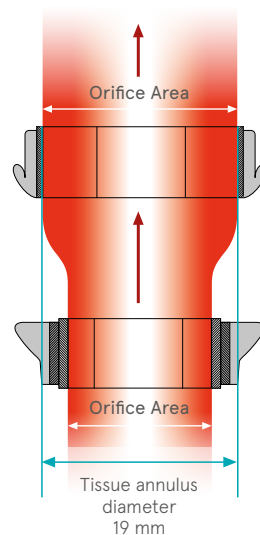


## Top Hat, top hemodynamic performance

To further optimize hemodynamics, especially in small aortic annuli, LivaNova features in its Carbomedics portfolio the Top Hat prosthesis, a truly totally supra-annular model<sup>14</sup> which provides an advantage of 1 to 2 sizes over intra-annular valves.<sup>15,16</sup> Top Hat improves effective valve orifice area thanks to a 100% orifice to annulus match, thus contributing to reduce the risk of PPM.<sup>17</sup>

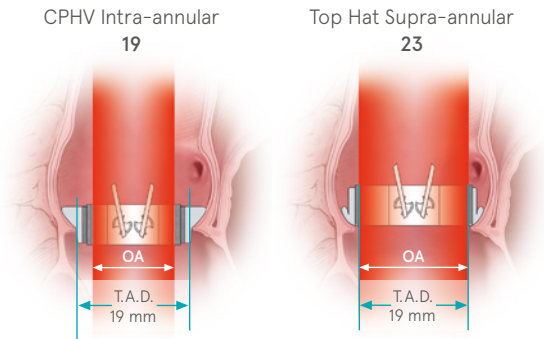
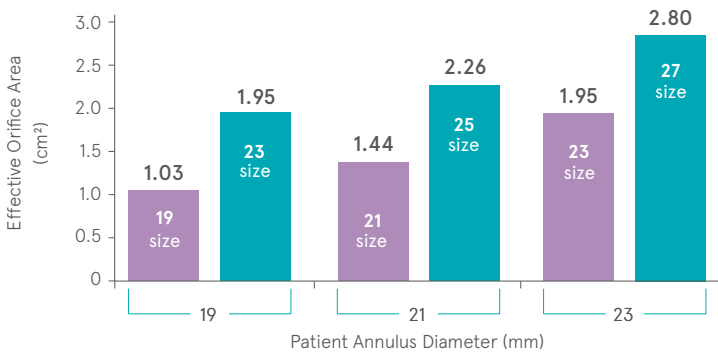
*“The Top Hat valve minimizes the risk of patient-prosthesis mismatch, improves hemodynamic performance, and thereby reduces morbidity and mortality.”<sup>16</sup>*

### 100% ORIFICE TO ANNULUS MATCH





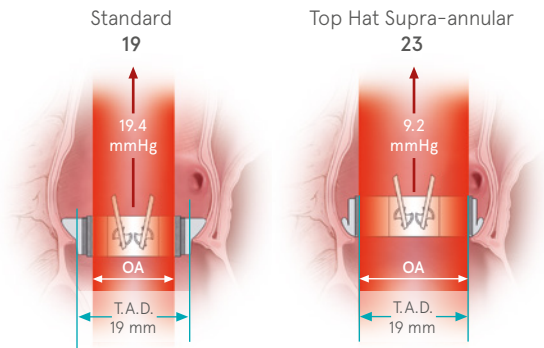
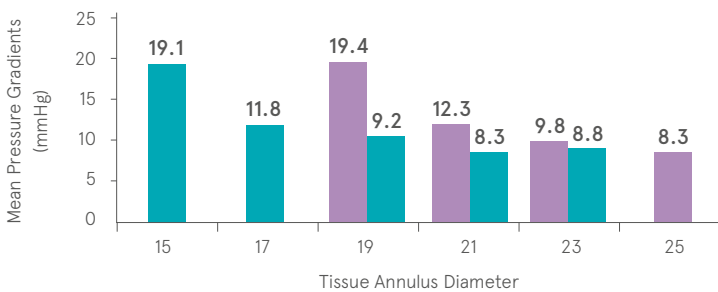
Carbomedics *in vitro* data\*



■ CPHV Intra-annular ■ Carbomedics Top Hat

\*In vitro test - 5l/min 70 bpm (Data on file at Livanova)

Carbomedics *in vivo* data<sup>18,19</sup>



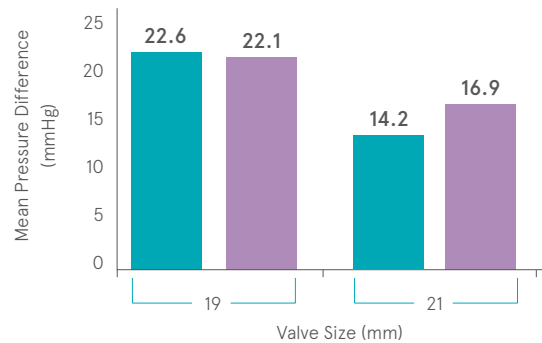
■ Standard ■ Carbomedics Top Hat

Differently from other competitive valves, Carbomedics has also shown an improved Effective Orifice Area under stress.

**"The result is an optimization of the discharge coefficient with exercise, indicating a good design of the moving part of the valve."**<sup>20</sup>

■ Under stress ■ At rest

Carbomedics hemodynamics at rest and under stress



- 14. Supra annular model as defined by International Standard for Cardiovascular implants - Cardiac valve Prostheses-Part 2. ISO 5840-2:2015(E)
- 15. The Carbomedics Supraannular Top hat Valve improves prosthesis size in the Aortic Root. Lundblad R et al. - J Heart Valve Dis 2001;10:196-201
- 16. Maximizing prosthetic valve size with the Top Hat® supraannular aortic valve. Aagard et al. - The Journal of Heart Valve Disease 2007;16:84-90
- 17. Hemodynamic and Clinical Impact of Prosthesis-Patient Mismatch in the Aortic Valve Position and its Prevention. Pibarot P, Dumesnil JG. - J Am Coll Cardiol 2000;36:1131- 41
- 18. The Carbomedics "Top Hat" Supra-annular prosthesis. Bernal et al. - Ann Thorac Surg. 1999;67:1299-303
- 19. Echocardiographic description of the Carbomedics bileaflet prosthetic heart valve. Chambers et al. - JACC 1993; 21(2): 398-405
- 20. Hemodynamic performance of small diameter Carbomedics and St. Jude valves. De Paulis et al. - J Heart Valve Dis 1996;5 (Suppl III):S339-43



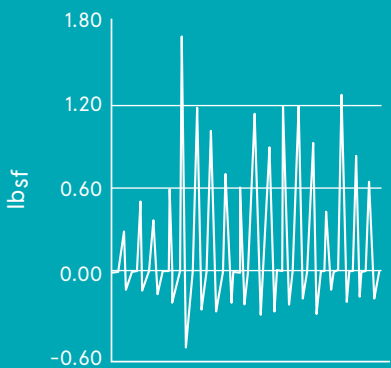
## Tailored ease of implant

### Carbomedics valves are designed for a smooth implant experience

This is why they are considered by many leading cardiac centers the 'most accommodating' valve in the world.

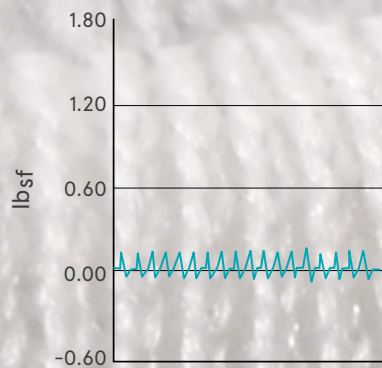
Carbomedics sewing cuffs are optimized for ease of implant and good seating. Compared to other valves in the market, the Carbomedics sewing cuff requires much less force for needle penetration facilitating the suturing phase.

Typical valve  
Sewing Cuff Penetration Force



(Data on file at Livanova)

Carbomedics standard  
Sewing Cuff Penetration Force



(Data on file at Livanova)

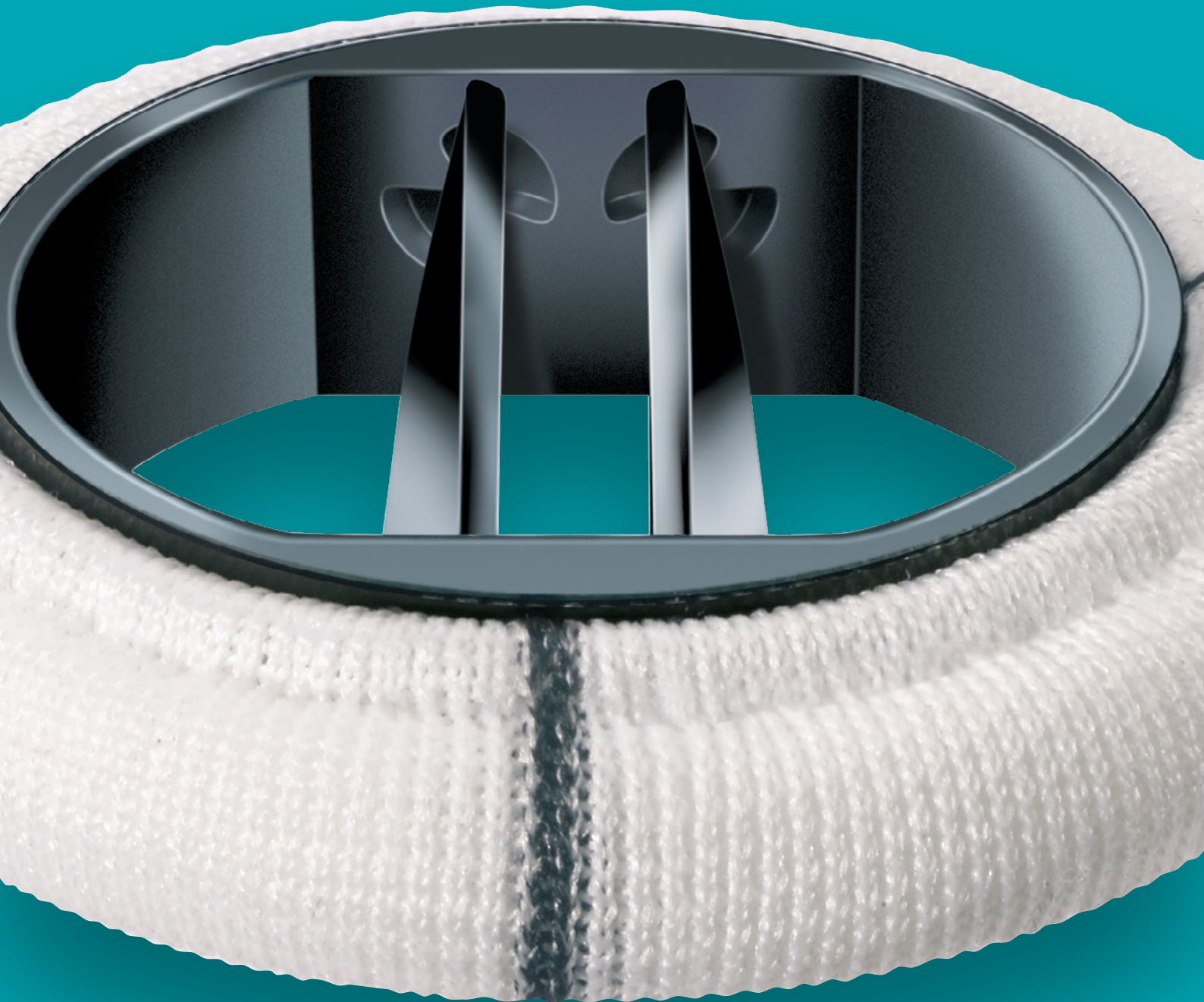
Most importantly, the Carbomedics sewing cuff conforms to the tissue rather than forcing the tissue to conform to its shape, thus minimizing the tension on sutures and consequently the risk of dehiscence. This is particularly relevant in fragile or heavily calcified annuli.

A variety of configurations ensures an optimal fit in any anatomical situation.





**Tailored solutions for every patient and  
surgeon's need**



## Unique options that make the difference

### CARBOMEDICS TOP HAT

A truly, totally supra-annular aortic prosthesis for improved hemodynamics.

Top Hat contributes to reduce the risk of PPM especially in small or severely calcified aortic annuli.

It is of particular advantage also in double valve replacement, where a total supra-annular seating helps minimise the risk of interference with the mitral prosthesis.



### CARBOMEDICS OPTIFORM

A unique mitral prosthesis with versatile positioning to approach even the most challenging situations.

Thanks to its flexible, generous symmetrical sewing cuff Optiform valve can optimally conform to almost any annulus. Valve placement can be adjusted simply by varying suture entry and exit sites.



### Everted Suture Technique



For atrial positioning (supra-annular),  
needle enters at bottom of cuff  
and exits at midline



For intra-annular positioning,  
needle enters at bottom of cuff  
and exits at top of cuff



For sub-annular positioning,  
needle enters at midline of cuff  
and exits at top of cuff

## The most complete set of mechanical heart valve solutions in the market

### Four different aortic models

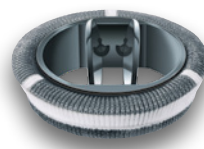
Carbomedics Top Hat



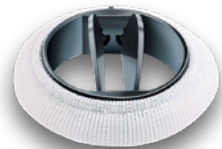
Carbomedics Standard



Carbomedics Reduced

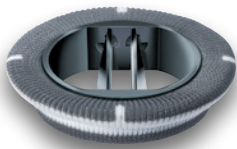


Carbomedics Orbis



### Three different mitral models

Carbomedics Standard



Carbomedics Optiform



Carbomedics Orbis



### Pediatric aortic and mitral valves

Carbomedics Standard Pediatric



### Two different conduit models

Carbomedics Carbo-Seal



Carbomedics Carbo-Seal Valsalva



## The voice of experience

*“We observed that the Carbomedics mechanical prosthesis had excellent durability with no structural failures, good hemodynamics, and a low incidence of TE.”*

*“Our experience demonstrates excellent functional result of the Carbomedics valve in both mitral and aortic positions. Valve-related events were low and often caused by patient-related factors as opposed to the presence of the prosthesis.”*

*“In our experience, structural valve failure with this device is inexistent. The Carbomedics mechanical valve is a solid choice for long-term valvular replacement.”*

CARBOMEDICS TOP HAT	CARBOMEDICS REDUCED	CARBOMEDICS ORBIS	CARBOMEDICS STANDARD
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**TOTALLY SUPRA-ANNULAR AORTIC VALVE**  
Sizes 19–27 mm



**AORTIC VALVE**  
Sizes 19–29 mm



**AORTIC VALVE**  
Sizes 19–31 mm



**AORTIC VALVE**  
Sizes 19–31 mm



## Application

- Aortic procedures
- Normal sinus area
- Small aortic annulus
- Severely calcified aortic annulus
- Double valve replacement

- Aortic procedures
- Low coronary ostia
- Narrow, rigid aortic annulus
- Small, inflexible aorta (Sinus of Valsalva)

- Aortic procedures
- Low coronary ostia
- Narrow, rigid aortic sinus
- Large annulus
- Redo AVR

## Implantation Consideration

- Totally supra-annular placement
  - allows for largest valve possible
  - increases ease and safety of DVR procedure
- Titanium stiffening ring allows for rotatability in-situ
- Three orientation markers for suture spacing
- Special sizers allow surgeon to assess position of valve within sinus area and clearance of coronaries before implantation

- Titanium stiffening ring allows rotatability in-situ
- Orientation markers provide easy visual suture positioning
- Smaller, pliable (Carbomedics Reduced only) sewing cuff allows for improved seating in a smaller annulus or small root

- Titanium stiffening ring allows rotatability in-situ
- Orientation markers provide easy visual suture positioning
- Generous sewing cuff conforms to annulus, minimizing perivalvular leaks

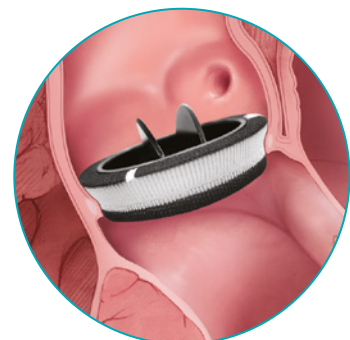
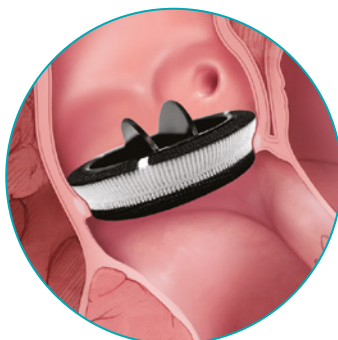
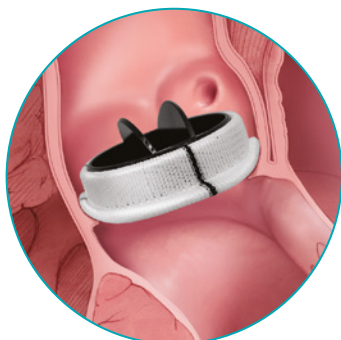
## Clinical Considerations

- Size upgrades provide improved valve hemodynamics
- Totally supra-annular design allows the largest possible orifice available to blood flow
- Alternative to aortic root enlargement
- Titanium stiffening ring minimizes the possibility of leaflet lockup or escape
- Utmost reliable structural stability
- Excellent clinical record for valve-related events

- Alternative to aortic root enlargement where supra-annular valve will not fit in sinus
- Titanium stiffening ring minimizes the possibility of leaflet lockup or escape
- Utmost reliable structural stability
- Excellent clinical record for valve-related events

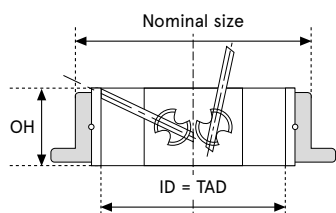
- Low implant profile minimizes housing interference with the coronary ostia
- Titanium stiffening ring minimizes the possibility of leaflet lockup or escape
- Utmost reliable structural stability
- Excellent clinical record for valve-related events

## Valve placement *in-situ*



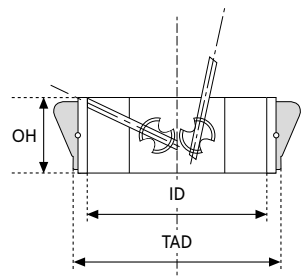
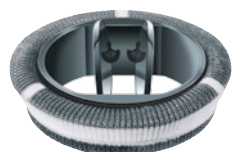


### CARBOMEDICS TOP HAT



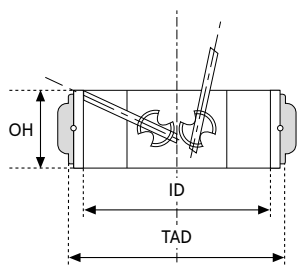
Nominal size	TAD	ID	OH	GOA	EOA	Catalog N.
19	14.7	14.7	6.2	1.59	1.0 <sup>1</sup>	S5-019
21	16.7	16.7	6.6	2.07	1.4 <sup>2</sup>	S5-021
23	18.5	18.5	7.3	2.56	1.9 <sup>2</sup>	S5-023
25	20.5	20.5	7.7	3.16	2.2 <sup>2</sup>	S5-025
27	22.5	22.5	8.4	3.84	2.9 <sup>2</sup>	S5-027

### CARBOMEDICS REDUCED



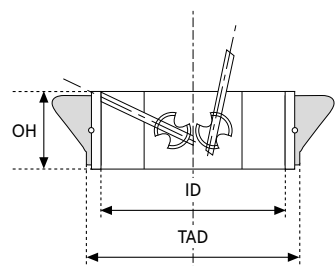
Nominal size	TAD	ID	OH	GOA	EOA <sup>1</sup>	Catalog N.
19	18.8	14.7	6.2	1.59	1.0	R5-019
21	20.8	16.7	6.6	2.07	1.5	R5-021
23	22.6	18.5	7.3	2.56	1.6	R5-023
25	25.0	20.5	7.7	3.16	2.0	R5-025
27	27.0	22.5	8.4	3.84	2.4	R5-027
29	29.0	24.2	8.7	4.44	2.6	R5-029

### CARBOMEDICS ORBIS



Nominal size	TAD	ID	OH	GOA	EOA <sup>1</sup>	Catalog N.
19	18.8	14.7	6.2	1.59	1.0	A1-019
21	20.8	16.7	6.6	2.07	1.5	A1-021
23	22.6	18.5	7.3	2.56	1.6	A1-023
25	25.0	20.5	7.7	3.16	2.0	A1-025
27	27.0	22.5	8.4	3.84	2.4	A1-027
29	29.0	24.2	8.7	4.44	2.6	A1-029
31	31.0	24.2	8.7	4.44	2.6	A1-031

### CARBOMEDICS STANDARD



Nominal size	TAD	ID	OH	GOA	EOA <sup>1</sup>	Catalog N.
19	19.8	14.7	6.2	1.59	1.0	A5-019
21	21.8	16.7	6.6	2.07	1.5	A5-021
23	23.8	18.5	7.3	2.56	1.6	A5-023
25	25.8	20.5	7.7	3.16	2.0	A5-025
27	27.8	22.5	8.4	3.84	2.4	A5-027
29	29.8	24.2	8.7	4.44	2.6	A5-029
31	31.8	24.2	8.7	4.44	2.6	A5-031

### Legend

TAD = Tissue Annulus Diameter (mm)

OH = Orifice Height (mm)

ID = Internal Diameter (mm)

GOA = Geometric Orifice Area (cm<sup>2</sup>)

EOA = In vivo Effective Orifice Area (cm<sup>2</sup>)

1. Echocardiographic description of the Carbomedics bileaflet prosthetic heart valve. Chambers et al. - JACC 1993; 21(2): 398-405

2. Midterm Evaluation of Hemodynamics of the Top Hat Supraannular Aortic Valve. Agard et al. - Asian Cardiovasc Thorac Ann 2010;18:1-5

**CARBOMEDICS STANDARD  
SMALL SIZES**

**AORTIC VALVES**

Sizes 16 and 18 mm



Size 16



Size 18

**CARBOMEDICS STANDARD  
SMALL SIZES**

**MITRAL VALVES**

Sizes 16, 18 and 21 mm



Size 16



Size 18



Size 21

**Application**

- Aortic procedures
- Extremely small aortic annulus
- Design allows for intra (size 18) or partially supra-annular (size 16) placement

- Extremely small annulus
- Design allows for intra-annular placement

**Implantation Consideration**

- Excellent orifice-to-annulus ratio without sacrificing safety or efficacy
- Sewing cuff assembly reduces cuff size for maximum orifice area

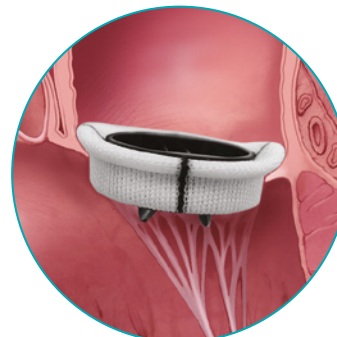
- Sewing cuff assembly reduces cuff size for maximum orifice area
- Titanium stiffening ring allows rotatability in-situ
- Orientation markers provide easy visual suture positioning
- Excellent orifice-to-annulus ratio without sacrificing safety or efficacy

**Clinical Considerations**

- Minimizes repeated replacements in the growing heart
- Fits where other bileaflet valves will not
- Titanium stiffening ring minimizes the possibility of leaflet lockup or escape
- Utmost reliable structural stability

- Minimizes replacements in the growing heart
- Fits where other bileaflet valves will not
- Titanium stiffening ring minimizes the possibility of leaflet lockup or escape
- Utmost reliable structural stability

**Valve placement *in-situ***



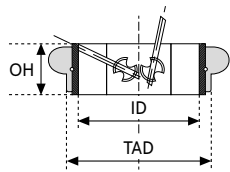
# Product specifications

## CARBOMEDICS® STANDARD SMALL SIZE MECHANICAL VALVES

### CARBOMEDICS STANDARD SMALL SIZES - AORTIC VALVES



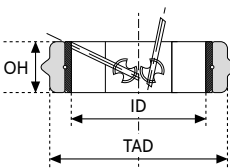
Size 16



Nominal size	TAD	ID	OH	GOA	EOA <sup>1</sup>	Catalog N.
16	16.2	14.7	6.2	1.59	1	A5-016



Size 18

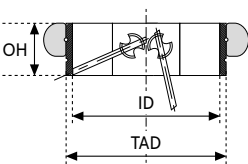


18	18.8	14.7	6.2	1.59	1	A5-018
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### CARBOMEDICS STANDARD SMALL SIZES - MITRAL VALVES



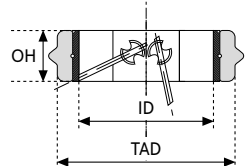
Size 16



Nominal size	TAD	ID	OH	GOA	EOA <sup>1</sup>	Catalog N.
16	16.2	14.7	6.2	1.59		M7-016



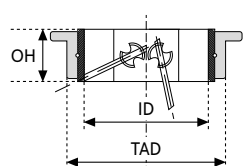
Size 18



18	18.8	14.7	6.2	1.59		M7-018
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Size 21



21	21.8	16.7	6.6	2.07		M7-021
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#### Legend

TAD = Tissue Annulus Diameter (mm)

OH = Orifice Height (mm)

ID = Internal Diameter (mm)

GOA = Geometric Orifice Area (cm<sup>2</sup>)

EOA = In vivo Effective Orifice Area (cm<sup>2</sup>)

1. Echocardiographic description of the Carbomedics bileaflet prosthetic heart valve. Chambers et al. - JACC 1993; 21(2): 398-405





## CARBOMEDICS CARBO-SEAL VALSALVA

### ASCENDING AORTIC PROSTHESIS (AAP) Sizes 21-29 mm



## CARBOMEDICS CARBO-SEAL

### ASCENDING AORTIC PROSTHESIS (AAP) Sizes 21-33 mm



### Application

- Disease conditions of the aorta combined with disease or degeneration of the aortic valve
  - Ascending aortic aneurys
  - Ascending aorta dissection
  - Infective aortitis
  - Marfan's Syndrome

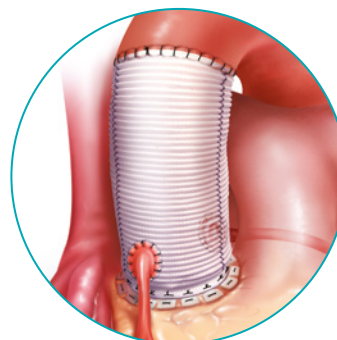
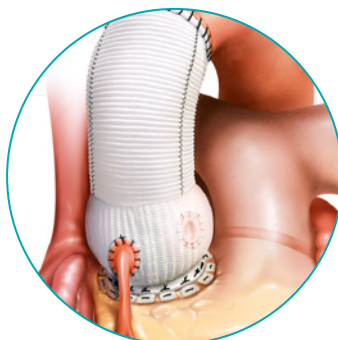
### Implantation Consideration

- Vertical orientation of sinus pleats facilitates coronary anastomosis
- Graft material resists fraying and quickly seals suture holes, minimizing bleeding
- Easier handling and suturing in comparison to bulkier velour materials
- Ultra-low porosity fabric results in less leakage, weeping and blushing
- Pliable, cork-shaped sewing cuff conforms to annulus, minimizing potential perivalvular leaks
- Titanium stiffening ring allows valve rotatability in-situ
- Orientation markers provide easy visual suture positioning

### Clinical Considerations

- Graft is infused with minimally crosslinked gelatin for faster healing, encouraging a secure neo-intimal attachment with reduced inflammatory response
- Collagen gel hydrolyzes within 14 days
- Sinus of Valsalva replicates the native sinus, reducing required dissection of and stress on the coronary anastomoses
- Sinus design encourages natural formation of systolic vortex
- Full-sized standard aortic valve provides excellent hemodynamics
- Excellent thromboembolic performance
- Titanium stiffening ring minimizes the possibility of leaflet lockup or escape

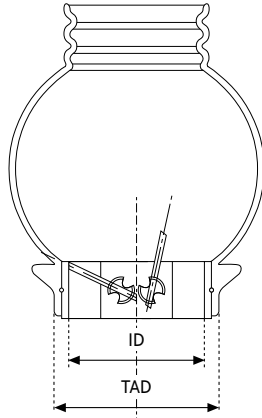
### Valve placement *in-situ*



# Product specifications

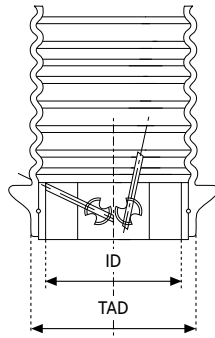
## CARBOMEDICS® AORTIC MECHANICAL CONDUITS

### CARBOMEDICS CARBO-SEAL VALSALVA Length of graft: 10 cm · Sinus diameter: Graft ID + 8 mm



Nominal size	TAD	ID	GOA	Graft ID	Catalog N.
21	21.8	16.7	2.07	24	CP-021
23	23.8	18.5	2.56	26	CP-023
25	25.8	20.5	3.16	28	CP-025
27	27.8	22.5	3.84	30	CP-027
29	29.8	24.2	4.44	32	CP-029

### CARBOMEDICS CARBO-SEAL Length of graft: 10 cm



Nominal size	TAD	ID	GOA	Graft ID	Catalog N.
21	21.8	16.7	2.07	24	AP-021
23	23.8	18.5	2.56	26	AP-023
25	25.8	20.5	3.16	28	AP-025
27	27.8	22.5	3.84	30	AP-027
29	29.8	24.2	4.44	32	AP-029
31	31.8	24.2	4.44	34	AP-031
33	33.8	24.2	4.44	34	AP-033

### Legend

TAD = Tissue Annulus Diameter (mm)

GOA = Geometric Orifice Area (cm<sup>2</sup>)

ID = Internal Diameter (mm)



## CARBOMEDICS STANDARD

MITRAL VALVE  
Sizes 23–33 mm



## CARBOMEDICS OPTIFORM

MITRAL VALVE  
Sizes 23–33 mm



## CARBOMEDICS ORBIS

MITRAL VALVE  
Sizes 21–33 mm



### Application

- Mitral valve replacement with or without using mitral leaflet preservation procedures
- Double valve replacement
- Heavily calcified annulus
- Mitral redo surgery
- Double valve replacement
- Endocarditis

### Implantation Consideration

- Large, flexible sewing cuff promotes coaptation to annulus
- Extra large sewing cuff displaces tissue up and away from orifice and leaflets when seating, minimizing the potential for perivalvular leaks
- Titanium stiffening ring allows rotatability in-situ
- Orientation markers provide easy visual suture positioning
- Symmetrical cuff design allows valve to be placed in a supraannular, intra-annular or subannular position simply by varying suture entry and exit sites
- Flexible, generous cuff easily conforms to difficult patient annular anatomy
- Titanium stiffening ring allows rotatability in-situ
- Orientation markers provide easy visual suture positioning (Carbomedics Optiform only)

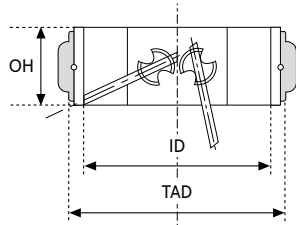
### Clinical Considerations

- Low-profile pivot design minimizes protrusion into low-flow atrial area, reducing potential for thrombus formation
- Titanium stiffening ring minimizes the possibility of leaflet lockup or escape
- Utmost reliable structural stability
- Excellent clinical record for valve-related events
- Variable valve placement allows surgeon to choose best valve position for each patient
- Titanium stiffening ring minimizes the possibility of leaflet lockup or escape
- Utmost reliable structural stability
- Excellent clinical record for valve-related events

### Valve placement *in-situ*

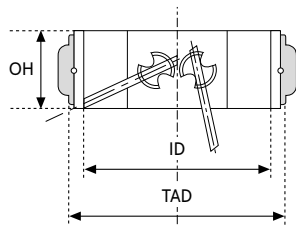


## CARBOMEDICS OPTIFORM



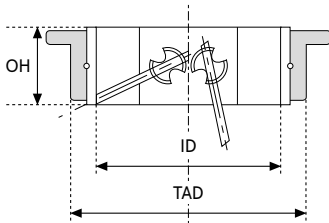
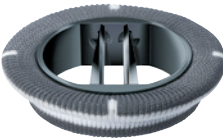
Nominal size	TAD	ID	OH	GOA	Catalog N.
23	22.6	18.5	7.3	2.56	F7-023
25	25.0	20.5	7.7	3.16	F7-025
27	27.0	22.5	8.4	3.84	F7-027
29	29.0	24.2	8.7	4.44	F7-029
31	31.0	24.2	8.7	4.44	F7-031
33	33.0	24.2	8.7	4.44	F7-033

## CARBOMEDICS ORBIS



Nominal size	TAD	ID	OH	GOA	Catalog N.
21	20.8	16.7	6.6	2.07	M2-021
23	22.6	18.5	7.3	2.56	M2-023
25	25.0	20.5	7.7	3.16	M2-025
27	27.0	22.5	8.4	3.84	M2-027
29	29.0	24.2	8.7	4.44	M2-029
31	31.0	24.2	8.7	4.44	M2-031
33	33.0	24.2	8.7	4.44	M2-033

## CARBOMEDICS STANDARD



Nominal size	TAD	ID	OH	GOA	Catalog N.
23	23.8	18.5	7.3	2.56	M7-023
25	25.8	20.5	7.7	3.16	M7-025
27	27.8	22.5	8.4	3.84	M7-027
29	29.8	24.2	8.7	4.44	M7-029
31	31.8	24.2	8.7	4.44	M7-031
33	33.8	24.2	8.7	4.44	M7-033

## Legend

TAD = Tissue Annulus Diameter (mm)

OH = Orifice Height (mm)

ID = Internal Diameter (mm)

GOA = Geometric Orifice Area (cm<sup>2</sup>)



## Aortic Mechanical Valves

### CARBOMEDICS TOP HAT

Aortic Mechanical Bileaflet Valve



Article	Code	Description
Empty tray	TR-101	1 empty tray
Sizer set	SAS-200	3 sizers 19mm, 21-23mm, 25-27mm
Rotators set	AR-150	6 aortic rotators
Valve handle	VH-100	1 universal bendable handle
Occluder tester	VT-100	10 disposable occluder tester (provided sterile)



### CARBOMEDICS REDUCED, ORBIS, STANDARD

Aortic Mechanical Bileaflet Valve



Article	Code	Description
Empty tray	TR-101	1 empty tray
Sizer set	VS-200	4 sizers 19-21mm, 23-25mm 27-29mm, 31-33mm
Rotators set	AR-150	6 aortic rotators
Valve handle	VH-100	1 universal bendable handle
Occluder tester	VT-100	10 disposable occluder tester (provided sterile)



## Aortic Mechanical Conduits

### CARBOMEDICS CARBO-SEAL VALSALVA, CARBO-SEAL

Aortic Mechanical Conduit



Article	Code	Description
Empty tray	TR-101	1 empty tray
Sizer set	VS-200	4 sizers 19-21mm, 23-25mm 27-29mm, 31-33mm
Rotators set	AR-150	6 aortic rotators
Occluder tester	VT-100	10 disposable occluder tester (provided sterile)



# Mitral Mechanical Valve

CARBOMEDICS® ACCESSORIES

## CARBOMEDICS OPTIFORM, ORBIS, STANDARD

Mitral Mechanical Bileaflet Valve



Article	Code	Description
Empty tray	TR-101	1 empty tray
Sizer set	VS-200	4 sizers 19-21mm, 23-25mm 27-29mm, 31-33mm
Rotators set	RM-399	6 mitral rotators: 16-18mm, 21mm, 23mm, 25mm, 27mm, 29-31-33mm + 1 bendable handle
Bendable handle	RH-100	1 bendable handle to use with mitral valve rotators
Valve handle	VH-100	1 universal bendable handle
Occluder tester	VT-100	10 disposable occluder tester (provided sterile)



## Pediatric Mechanical Valves

### CARBOMEDICS STANDARD PEDIATRIC

Aortic Mechanical Bileaflet Valve



Article	Code	Description
Empty tray	TR-101	1 empty tray
Sizer	VS2-1618	1 sizer (16-18mm)
Rotators set	AR-150	6 aortic rotators
Valve handle	VH-100	1 universal bendable handle
Occluder tester	VT-100	10 disposable occluder tester (provided sterile)



### CARBOMEDICS STANDARD PEDIATRIC

Mitral Mechanical Bileaflet Valve



Article	Code	Description
Empty tray	TR-101	1 empty tray
Sizer	VS2-1618	1 sizer (16-18mm)
Sizer set	VS-200	4 sizers 19-21mm, 23-25mm 27-29mm, 31-33mm
Rotators set	RM-399	6 mitral rotators: 16-18mm, 21mm, 23mm, 25mm, 27mm, 29-31-33mm + 1 bendable handle
Bendable handle	RH-100	1 bendable handle to use with mitral valve rotators
Valve handle	VH-100	1 universal bendable handle
Occluder tester	VT-100	10 disposable occluder tester (provided sterile)



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Federal law (USA) restricts this device to sale by or on the order of a physician.  
Please always refer to the Instructions For Use (IFU) manual provided with each product for detailed information, warnings, precautions and possible adverse side effects.

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