



PERIPHERAL INTERVENTIONAL VASCULAR DIAGNOSTICS & THERAPY

B. BRAUN VASCULAR SYSTEMS

PERIPHERAL INTERVENTIONAL VASCULAR DIAGNOSTICS AND THERAPY



NSE® PTA
PTA scoring balloon catheter



SeQuent® Please OTW
Peripheral drug coated
balloon catheter



VascuFlex® Peripheral stent
systems



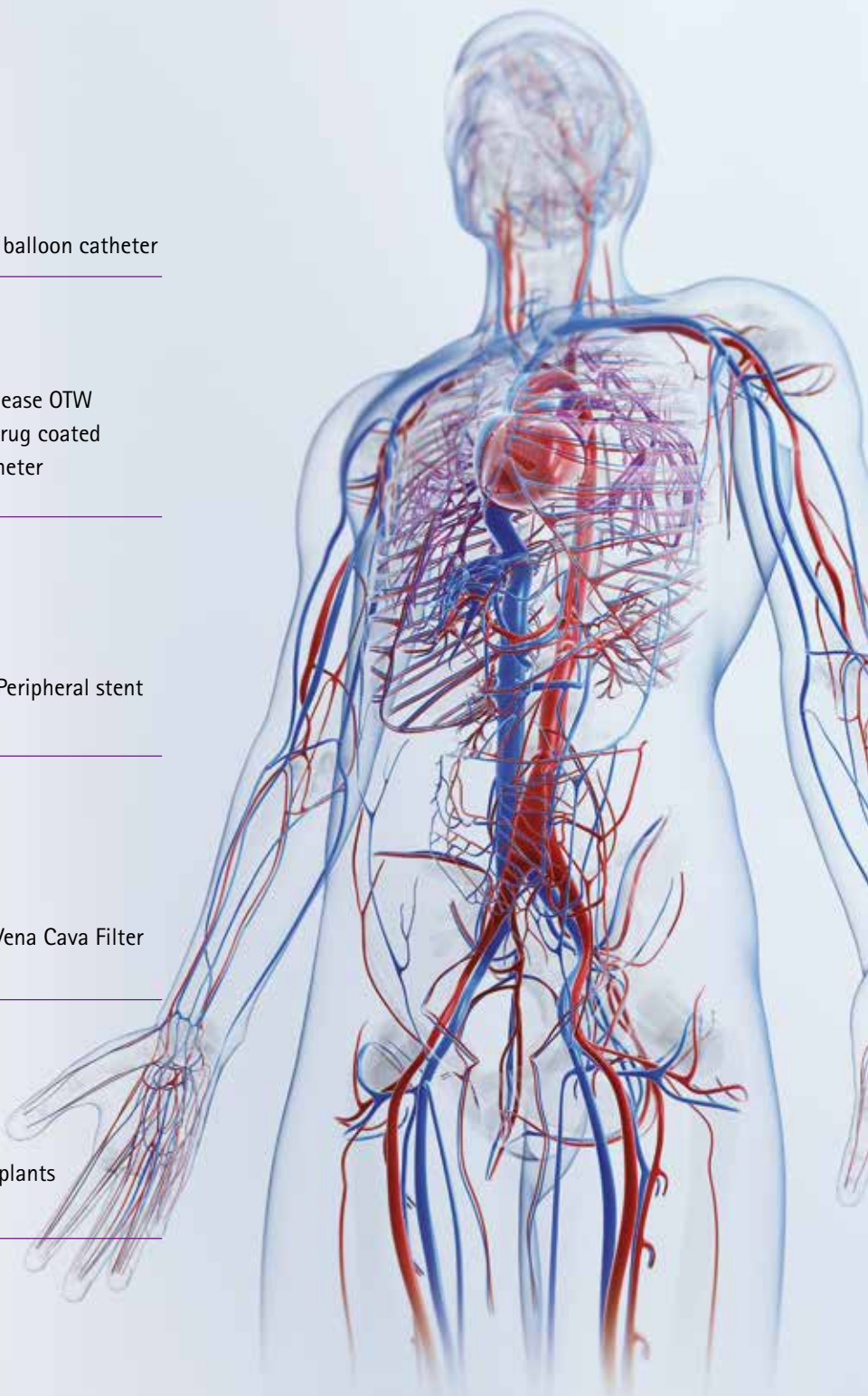
VenaTech® Vena Cava Filter



Vascular Implants



Angiodyn® Radiology Kits



PERIPHERAL ANGIOPLASTY

Peripheral drug coated balloon catheter

- 4 – 5 **NSE® PTA**
PTA scoring balloon catheter
- 6 – 7 **SeQuent® Please OTW 014**
(below the knee)
- 8 **SeQuent® Please OTW 018**
(below and above the knee)
- 9 **SeQuent® Please OTW 035**
(above the knee)

Peripheral self-expanding Nitinol stent

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Multiple stent system (MSS)
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Multiple stent system (MSS)
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Single stent system

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Temporary Vena Cava filter
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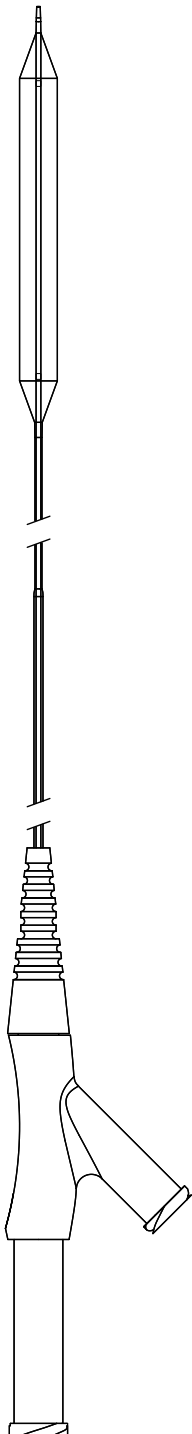
- 30 **Customized service**
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NSE[®] PTA

PTA SCORING BALLOON CATHETER



Novel scientific engineering

- For effective plaque modification and adequate expansion in peripheral arteries and AV fistula (de novo and restenotic lesions)
- Provides an efficacious scoring effect when used for predilatation

Features

Low entry profile and flexible tip

- Facilitate lesion entry and guidewire tracking
- Provide for high trackability even in tortuous vessels¹

Flexible free floating elements

- Improve deliverability even in complex lesions
- Allow for smooth dilatation without edge stress

Triangular shaped elements

- Stabilize the balloon in the lesion during inflation¹
- Provide an efficacious scoring effect due to high concentrated force transmission²

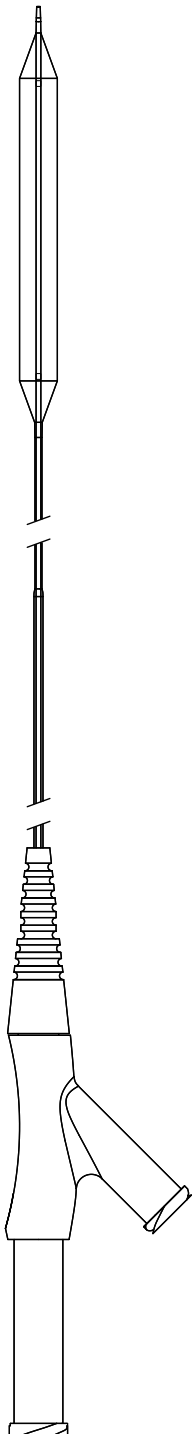
¹ Taguchi I et al. Journal of Cardiology 2014;63:19-23.

² Ashida K, Hayase T, Shinmura T. Efficacy of lacrosse NSE[®] using the "leopard-crawl" technique on severely calcified lesions. J Invasive Cardiol. 2013 Oct;25(10):555-64. PMID: 24088433.

	Shaft length 50 cm	Balloon diameter (mm)	Balloon length (mm)	Sheath compa- tibility (F)	Nominal pressure (atm)	Rated burst pressure (atm)
	NW18-05040040	4	40	5 F	8	18
	NW18-05050040	5	40	5 F	8	16
	NW18-05060040	6	40	6 F	8	16
	Shaft length 90 cm					
	NW18-09040040	4	40	5 F	8	18
	NW18-09050040	5	40	5 F	8	16
	NW18-09060040	6	40	6 F	8	16
	NW18-09070040	7	40	6 F	8	14
	Shaft length 145 cm					
	NW18-14540040	4	40	5 F	8	18
	NW18-14550040	5	40	5 F	8	16
	NW18-14560040	6	40	6 F	8	16
	NW18-14570040	7	40	6 F	8	14

SeQuent[®] Please OTW

PERIPHERAL DRUG COATED BALLOON CATHETER



The interventional approach to treat peripheral artery disease (PAD) as a treatment of choice is gaining continuous acceptance. Following a path of sustained research and development in drug coated balloons SeQuent[®] Please OTW offers significant improvements in peripheral angioplasty.

SeQuent[®] Please OTW – From the pioneer in coating technology

- Clinically proven coating technology¹
- Effectively inhibiting neointimal proliferation
- Novel paclitaxel B. Braun Matrix coating with Resveratrol
- Excellent handling
- The CONSEQUENT RCT has demonstrated safety and efficacy of SeQuent[®] Please OTW in peripheral arteries¹
- The **CONSEQUENT All Comers Registry** showed efficacy in almost 800 CLI and non CLI-patients (de novo and ISR) and in above and below the knee treatment²

Product features and benefits

- Single shot, short-term Paclitaxel delivery for long-term vessel therapy
- Targeted drug delivery into the vascular wall
- Homogeneous and complete polymer-free drug distribution
- No need for stent-in-stent procedures
- Various treatment options when re-interventions are necessary

¹ Albrecht T et al. Cardiovasc Intervent Radiol. 2018 Jul;41(7):1008-1014.

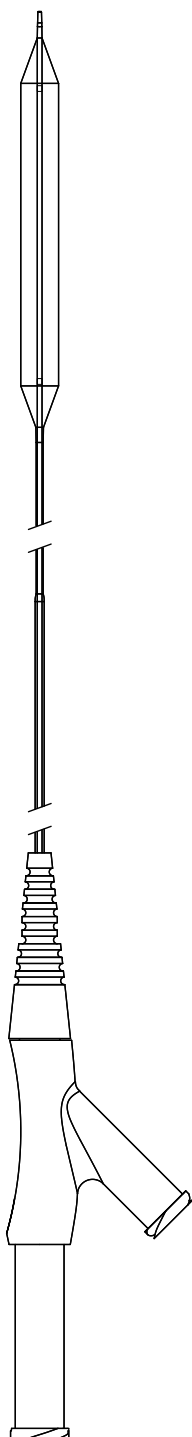
² Langhoff R et al. Angiology. 2021 Mar 29;3319721997314. doi:10.1177/0003319721997314.

SeQuent® Please OTW 014

PERIPHERAL DRUG COATED BALLOON CATHETER

NEW

	Shaft length 75 cm	Shaft length 130 cm	Balloon diameter (mm)	Balloon length (mm)	Sheath compa- tibility (F)	Nominal pressure (atm)	Rated burst pressure (atm)
			1.5	40	4	6	16
			1.5	80	4	6	16
			1.5	120	4	6	16
		14320040	2.0	40	4	6	16
		14320080	2.0	80	4	6	15
		14320120	2.0	120	4	6	15
		14320150	2.0	150	4	6	15
		14325040	2.5	40	4	6	16
		14325080	2.5	80	4	6	15
		14325120	2.5	120	4	6	15
		14325150	2.5	150	4	6	15
			3.0	80	4	6	15
			3.0	120	4	6	15
			3.0	150	4	6	15

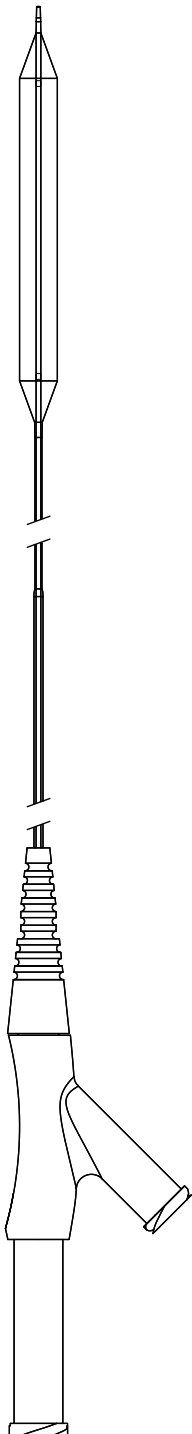


SeQuent® Please OTW 018

PERIPHERAL DRUG COATED BALLOON CATHETER

NEW

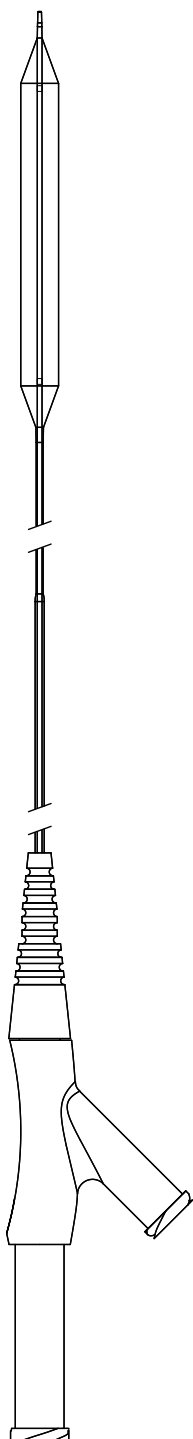
	Shaft length 75 cm	Shaft length 130 cm	Balloon diameter (mm)	Balloon length (mm)	Sheath compa- tibility (F)	Nominal pressure (atm)	Rated burst pressure (atm)
		18220040	2.0	40	4	6	16
		18220080	2.0	80	4	6	15
		18220120	2.0	120	4	6	15
		18220150	2.0	150	4	6	15
		18225040	2.5	40	4	6	16
		18225080	2.5	80	4	6	15
		18225120	2.5	120	4	6	15
		18225150	2.5	150	4	6	15
		18230040	3.0	40	4	6	16
		18230080	3.0	80	4	6	15
		18230120	3.0	120	4	6	15
		18230150	3.0	150	4	6	15
	18135040	18235040	3.5	40	4	6	16
	18135080	18235080	3.5	80	4	6	15
	18135120	18235120	3.5	120	4	6	15
	18135150*	18235150*	3.5	150	4	6	15
	18140040	18240040	4.0	40	4	6	16
	18140060	18240060	4.0	60	4	6	16
	18140080	18240080	4.0	80	4	6	15
	18140120	18240120	4.0	120	4	6	15
	18140150	18240150	4.0	150	4	6	15
	18150040	18250040	5.0	40	5	6	14
	18150060	18250060	5.0	60	5	6	14
	18150080	18250080	5.0	80	5	6	13
	18150120	18250120	5.0	120	5	6	13
	18150150	18250150	5.0	150	5	6	13
	18160040	18260040	6.0	40	5	6	14
	18160060	18260060	6.0	60	5	6	14
	18160080	18260080	6.0	80	5	6	12
	18160120	18260120	6.0	120	5	6	12
	18160150	18260150	6.0	150	5	6	12
	18170040		7.0	40	5	6	12
	18170060		7.0	60	5	6	12
	18180040		8.0	40	5	6	12
	18180060		8.0	60	5	6	12



SeQuent® Please OTW 035

PERIPHERAL DRUG COATED BALLOON CATHETER

	Shaft length 75 cm	Shaft length 130 cm	Balloon diameter (mm)	Balloon length (mm)	Sheath compa- tibility (F)	Nominal pressure (atm)	Rated burst pressure (atm)
	35040040	35340040	4.0	40	5	6	16
	35140060	35340060	4.0	60	5	6	16
	35140080	35340080	4.0	80	5	6	15
	35140120	35340120	4.0	120	5	6	15
	35140150	35340150	4.0	150	5	6	15
	35150040	35350040	5.0	40	6	6	14
	35150060	35350060	5.0	60	6	6	14
	35150080	35350080	5.0	80	6	6	13
	35150120	35350120	5.0	120	6	6	13
	35150150	35350150	5.0	150	6	6	13
	35160040	35360040	6.0	40	6	6	13
	35160060	35360060	6.0	60	6	6	13
	35160080	35360080	6.0	80	6	6	12
	35160120	35360120	6.0	120	6	6	12
	35160150	35360150	6.0	150	6	6	12
	35170040		7.0	40	6	6	12
	35170060		7.0	60	6	6	12
	35180040		8.0	40	6	6	12
	35180060		8.0	60	6	6	12



VascuFlex® Multi-LOC

MULTIPLE STENT SYSTEM (MSS)



VascuFlex® LOC portfolio enables the implantation of several stents with one delivery system. The aim of the spot and focal stenting strategies with the VascuFlex® Multiple Stent Systems is to reduce the amount of metal in the vessel and thus preserve the natural biomechanics of the vessel in the best possible way. With the VascuFlex® LOC portfolio, all stents can be implanted individually in challenging indications (e.g. recoils, flow-limiting dissections).

The LOCOMOTIVE Register has demonstrated the safety and efficacy of VascuFlex® Multi-LOC in femoropopliteal lesions (SFA and A. poplitea segments 1-3).¹



- 6 F sheath compatibility
- 0.035" guidewire compatibility
- 5–8 mm stent diameter
- Six 13 mm long "Closed Cell" design stents or two or three 30 or 40 mm stents long "Open Cell" design stents on one delivery system
- 80 cm & 130 cm shaft length
- Laser-welded tantalum markers

Delivery system	Stent diameter (mm)	Stent length (mm)	Shaft length (cm)	Order number
VascuFlex® Multi-LOC				
6 F	5	100	130	5506650
6 F	6	100	130	5506651
6 F	7	100	130	5506652
6 F	8	100	130	5506653
6 F	5	100	80	5506654
6 F	6	100	80	5506655
6 F	7	100	80	5506656
6 F	8	100	80	5506657

¹Sigl M et. al. Cardiovasc Intervent Radiol. 2018. doi: 10.1007/s00270-018-2095-9.

VascuFlex® 2-LOC/3-LOC

MULTIPLE STENT SYSTEM (MSS)

	Delivery System	Stent diameter (mm)	Stent length (mm)	Shaft length (cm)	Order number
	VascuFlex® 2-LOC				
	6F	5	30	130	5506600
	6F	5	40	130	5506601
	6F	6	30	130	5506602
	6F	6	40	130	5506603
	6F	7	30	130	5506604
	6F	7	40	130	5506605
	6F	8	30	130	5506606
	6F	8	40	130	5506607
	6F	5	30	80	5506608
	6F	5	40	80	5506609
	6F	6	30	80	5506610
	6F	6	40	80	5506611
	6F	7	30	80	5506612
	6F	7	40	80	5506613
6F	8	30	80	5506614	
6F	8	40	80	5506615	
	VascuFlex® 3-LOC				
	6F	5	30	130	5506620
	6F	5	40	130	5506621
	6F	6	30	130	5506622
	6F	6	40	130	5506623
	6F	7	30	130	5506624
	6F	7	40	130	5506625
	6F	8	30	130	5506626
	6F	8	40	130	5506627
	6F	5	30	80	5506628
	6F	5	40	80	5506629
	6F	6	30	80	5506630
	6F	6	40	80	5506631
	6F	7	30	80	5506632
	6F	7	40	80	5506633
6F	8	30	80	5506634	
6F	8	40	80	5506635	

VascuFlex® 5 F and 6 F

SINGLE STENT SYSTEM



Wide portfolio

- 5 F & 6 F delivery systems
- 5 - 10 mm stent diameter
- 20 - 200 mm stent length
- 80 cm, 120/130 cm shaft length

Flexible stent architecture

- Open cell design
- Good vessel apposition
- Double-polished
- Minimal foreshortening
- Excellent stent visibility with laser-welded tantalum markers

Proven delivery system

- High flexibility
- Radiopaque platinum markers
- Superb kink resistance
- Excellent pushability
- Different shaft lengths: 80 cm, 120/130 cm
- 5 F System with 0.018" guide wire compatibility
- 6 F System with 0.035" guide wire compatibility

VascuFlex® 5 F and 6 F

SINGLE STENT SYSTEM

Stent length (mm)	5 mm	6 mm	7 mm	8 mm	9 mm	10 mm
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VascuFlex® 5F, 80 cm shaft length, 0.018" guidewire compatibility

40	5505061	5505071	5505081	5505091	5505101	5505111
60	5505062	5505072	5505082	5505092	5505102	5505112
80	5505063	5505073	5505083	5505093	5505103	5505113
100	5505064	5505074	5505084	5505094	5505104	5505114
120	5505065*	5505075*	5505085*	5505095*	5505105*	5505115*
150	5505066*	5505076*	5505086*	5505096*		
180	5505067*	5505077*	5505087*			
200	5505068*	5505078*	5505088*			

VascuFlex® 5F, 120 cm shaft length, 0.018" guidewire compatibility

40	5505001	5505011	5505021	5505031	5505041	5505051
60	5505002	5505012	5505022	5505032	5505042	5505052
80	5505003	5505013	5505023	5505033	5505043	5505053
100	5505004	5505014	5505024	5505034	5505044	5505054

VascuFlex® 6F, 80 cm shaft length, 0.035" guidewire compatibility

40	5506061	5506071	5506081	5506091	5506101	5506111
60	5506062	5506072	5506082	5506092	5506102	5506112
80	5506063	5506073	5506083	5506093	5506103	5506113
100	5506064	5506074	5506084	5506094	5506104	5506114
120	5506065*	5506075*	5506085*	5506095*	5506105*	5506115*
150	5506066*	5506076*	5506086*	5506096*		
180	5506067*	5506077*	5506087*			
200	5506068*	5506078*	5506088*			

VascuFlex® 6F, 130 cm shaft length, 0.035" guidewire compatibility

40	5506001	5506011	5506021	5506031	5506041	5506051
60	5506002	5506012	5506022	5506032	5506042	5506052
80	5506003	5506013	5506023	5506033	5506043	5506053
100	5506004	5506014	5506024	5506034	5506044	5506054

*available on request

VascuFlex® 5 F Transradial/Transbrachial

SINGLE STENT SYSTEM

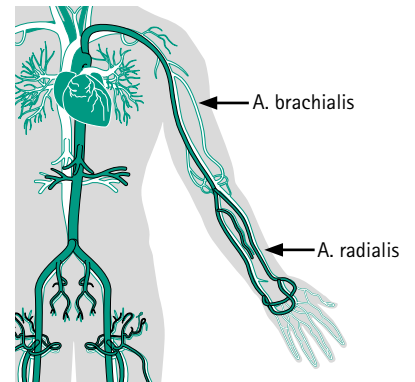


Nitinol stent system for radial and brachial approach

- 5 F low profile device
- 0.018" guidewire compatibility
- Extra long 180 cm shaft length
- 6 – 8 mm stent diameter for SFA lesions
- 40 – 80 mm stent length

Flexible stent architecture

- Open cell design
- Good vessel apposition
- Double-polished
- Minimal foreshortening
- Excellent stent visibility with laser-welded tantalum markers



Stent length (mm)	5 mm	6 mm	7 mm	8 mm	9 mm	10 mm
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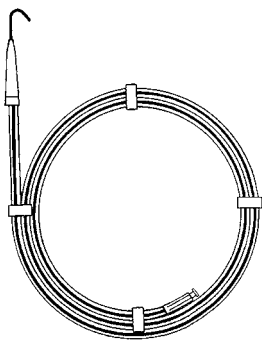
VascuFlex® 5 F TR/TB, 180 cm Shaft length

40		5505121	5505124	5505127		
60		5505122	5505125	5505128		
80		5505123	5505126	5505129		

Radiodyn guidewire SFC-400/4-018

Very long guidewire for transradial/transbrachial procedures

- 400 cm guidewire length
- 0.018" profile
- Nitinol core, PTFE coated
- straight tip, fixed core



Product Description	Length (cm)	Ø (inch/mm)	Order Number	Sales unit (pcs.)
Radiodyn SFC 400/4-018	400	0.018 / 0.46	46012129	5

Vena Cava Filter

FOR PROTECTION AGAINST PULMONARY EMBOLISM

VenaTech® Vena cava filter systems

- Designed for enhanced clot trapping
- Special delivery system combining ease of use and procedural safety

Indications:

- Contraindications to anticoagulants (severe coagulopathy, thrombocytopenia, hemorrhage, recent brain surgery, recent cranial trauma)
- Failure of the anticoagulants treatment (recurrent pulmonary embolism under treatment development of clot in spite of anti-coagulation)
- Severe complication of the anticoagulants treatment (intestinal hemorrhage, gastroduodenal ulcer)

Additional details for VenaTech® Vena cava filter systems:

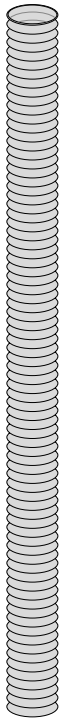
- Implantable from femoral, jugular or brachial approach
- Introducer sheath with hemostasis valve and side port tubing for VenaTech® LP and Retrievable (7 F implantation for VenaTech® LP and Retrievable, 13 F implantation for VenaTech® Convertible, 10 F explantation VenaTech® Retrievable)
- Vena cava diameter for VenaTech® Retrievable ≥ 14 mm and ≤ 28 mm, VenaTech® LP ≤ 35 mm and VenaTech® Convertible ≤ 32 mm
- x-ray visible
- MRI conditional up to 3 Tesla



	Access site	Order number	Sales unit (pcs.)
Permanent filters			
VenaTech® LP Vena cava filter system	femoral, jugular, subclavian	04435125	1
VenaTech® LP Brachial Introducer system	brachial	04439985	1
Temporary Filters			
VenaTech® Retrievable Vena cava filter system	femoral, jugular, subclavian	04435150	1
Introducer brachial	brachial	04435160	1
Retrieval system	jugular	04435170	1
Convertible Filters			
VenaTech® Convertible Vena cava filter system	femoral, jugular	04435140	1

Silver Graft

ANTIMICROBIAL VASCULAR PROSTHESES



Silver Graft and Silver Graft Helix are warp-knitted, double-velour vascular prostheses for reconstructive procedures of the aorta and in the peripheral area. They are made of polyester and have been impregnated with absorbable modified bovine gelatine for temporary sealing. To inhibit microbial adhesion the outer surface of the prosthesis is coated by a layer of metallic silver. According to the current guidelines for vascular graft infections of the German Society for Vascular Surgery (DGG) it is possible to apply antibiotics (e. g. Rifampicin) to the prostheses.

Indication

Silver Graft and Silver Graft Helix can be implanted prophylactically as support for protection against vascular graft infection. The silver coating acts as a long-term protection avoiding adhesion of microbes to the surface of the textile prosthesis.

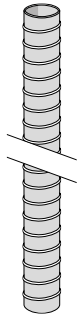
The first choice to treat a vascular graft infection is the surgical intervention. Infected vascular graft material should be completely removed and the principals in septic surgery should be observed. Autologous in situ reconstructions have the lowest risk of re-infection. Silver Graft and Silver Graft Helix should be implanted if autologous material is not available or not possible to use given the patient's risk/benefit status.

Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
Silver Graft – Straight tubes			
15	8	1108000	1
	10	1108030	1
	12	1108032	1
	14	1108034	1
	16	1108001	1
	18	1108002	1
	20	1108003	1
	22	1108042	1
30	24	1108044	1
	8	1108004	1
	14	1108005	1
	16	1108006	1
	18	1108007	1
	20	1108008	1
	22	1108062	1
	24	1108064	1
40	6	1108009	1
	7	1108010	1
	8	1108011	1
	10	1108050	1
	12	1108052	1
60	6	1108012	1
	7	1108013	1
	8	1108014	1

Silver Graft

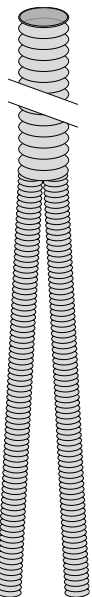
ANTIMICROBIAL VASCULAR PROSTHESES

	Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
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Silver Graft – Straight tubes - Helix supported

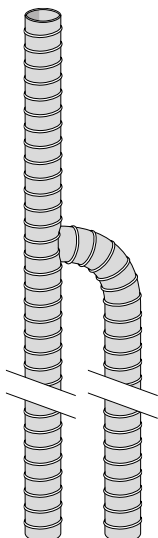
30	8	1108026	1
40	8	1108027	1
60	6	1108022	1
	8	1108023	1
90	6	1108024	1
	8	1108025	1



Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
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Silver Graft – Bifurcations

40	12 x 6	1108021	1
	14 x 7	1108017	1
	16 x 8	1108015	1
	18 x 9	1108016	1
	20 x 10	1108018	1
	22 x 11	1108019	1
	24 x 12	1108020	1



Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
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Silver Graft – Axillo-Bifemoral - Helix supported

90 / 60	8	1108080	1
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Uni-Graft® K DV

WARP-KNITTED, IMPREGNATED VASCULAR PROSTHESES

Uni-Graft® K DV

Uni-Graft® K DV is a warp-knitted, double velour vascular prosthesis made of polyester, which has been impregnated with absorbable modified bovine gelatine. This treatment reduces the initial porosity of the textile prosthesis to a „zero porosity“ at the time of implantation.

Indications

Reconstructive procedure on the aorta and in the peripheral area with a diameter of at least 6 mm and the axillo (bi)femoral bypass; also usable in patients requiring systemic heparinization, in patients with coagulation disturbances and in emergency patients.

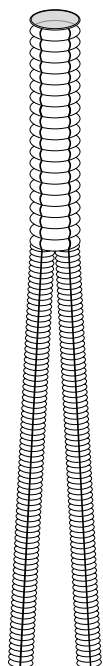
Product features

- true zero-porosity at the time of implantation
- double velour structure
- proven performance for more than 30 years

Uni-Graft® K DV

WARP-KNITTED, IMPREGNATED VASCULAR PROSTHESES

	Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
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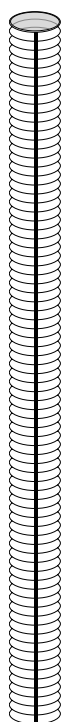


Uni-Graft® K DV – Bifurcations

40	12 x 6	1104535	1
	12 x 7	1104519	1
	14 x 7	1104527	1
	14 x 8	1104551	1
	16 x 8	1104560	1
	16 x 9	1104578	1
	18 x 9	1104586	1
	18 x 10	1104594	1
	20 x 10	1104608	1
	20 x 11	1104616	1
	22 x 11	1104624	1
	24 x 12	1104640	1

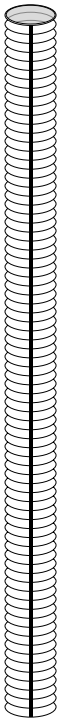
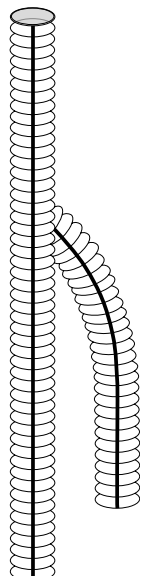
Uni-Graft® K DV – Straight tubes

15	6	1101021	1
	7	1101048	1
	8	1101013	1
	10	1101102	1
	12	1101129	1
	14	1101145	1
	16	1101161	1
	18	1101188	1
	20	1101200	1
	22	1101226	1
	24	1101242	1
	26	1102265	1
	28	1102281	1
	30	1102303	1
	32	1102320	1
	34	1102346	1
	36	1102362	1



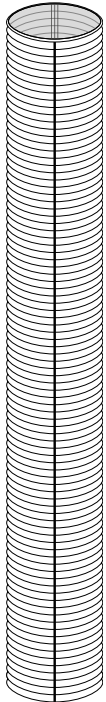
Uni-Graft® K DV

WARP-KNITTED, IMPREGNATED VASCULAR PROSTHESES

	Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)	
	Uni-Graft® K DV – Straight tubes				
	30	6	1102060	1	
		7	1102079	1	
		8	1102087	1	
		10	1102109	1	
		12	1101137	1	
		14	1104144	1	
		16	1104160	1	
		18	1104187	1	
		20	1104209	1	
		22	1104225	1	
		24	1104241	1	
		26	1102192	1	
	28	1102206	1		
	30	1102214	1		
	32	1102222	1		
	34	1102230	1		
	36	1102249	1		
	40	6	1101269	1	
		7	1101277	1	
		8	1101285	1	
		10	1101307	1	
	60	6	1104063	1	
		7	1104071	1	
		8	1104080	1	
		10	1104101	1	
		12	1104128	1	
	70	6	1104421	1	
		7	1104422	1	
		8	1104423	1	
	100	6	1104403	1	
		8	1104411	1	
		10	1104420	1	
		Uni-Graft® K DV – Axillo-Bifemoral			
		100/60	8 (right side-branch)	1104705	1
			8 (left side-branch)	1104713	1

Uni-Graft® W

WOVEN, IMPREGNATED VASCULAR PROSTHESES



Uni-Graft® W

Uni-Graft® W is a woven, velour vascular prosthesis made of polyester, which has been impregnated with absorbable modified bovine gelatine. The porosity of the textile prosthesis is 0 ml/min/cm² at the time of implantation.

Aortic Arch

Reconstructions of the ascending aorta, aortic arch and descending aorta

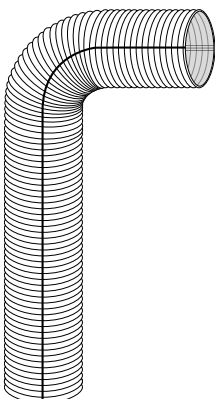
Straight tube

Reconstructions of the ascending aorta, the aortic arch and the descending and/or thoracic aorta

Uni-Graft® W – Straight tubes

- true zero-porosity
- biocompatible aldehyde free impregnation technology
- outer velour structure ensures good handling and healing of the graft
- different guidelines (with 1 and 3 lines) on different sides for a better orientation

Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
15	24	1106392	1
	26	1106406	1
	28	1106414	1
	30	1106422	1
	32	1106430	1
	34	1106449	1
30	36	1106457	1
	24	1106635	1
	26	1106643	1
	28	1106651	1
	30	1106660	1
	32	1106678	1
	34	1106686	1
	36	1106694	1



Uni-Graft® W – Aortic Arch

- different guidelines (1 and 3 lines) on different sides

Diameter (mm)	Bend	Order number	Sales unit (pcs.)
26	90°	1106801	1
28	90°	1106803	1
30	90°	1106806	1
32	90°	1106808	1

VascuGraft® NEO

STANDARD VASCULAR ePTFE PROSTHESES

VascuGraft® NEO

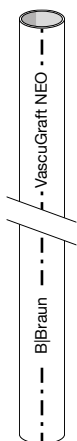
VascuGraft® NEO is a vascular prosthesis made of expanded Polytetrafluoroethylene (ePTFE). A thin ePTFE wrap is wound around the single-layer body of the prosthesis. The prosthesis is available in standard wall (SW) and thin wall (TW)

Indications

- peripheral arterial reconstructions
- extra-anatomical procedures
- dialysis shunt placement

Product features

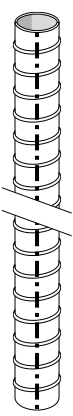
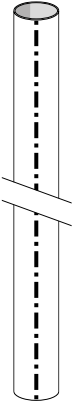
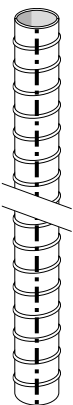
- unique VascuGraft® wall design with well-defined and different fibril lengths for a low thrombogenicity
- additional ePTFE wrap supports enhanced suture retention and high burst strength
- clear guideline indicates diameter and wall thickness of the prosthesis
- helical reinforcement for high resistance against kinking and compression
- excellent and pliable handling and suture behaviour
- simple and easy removal of the spiral reinforcement



Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
Standard wall			
20	5	V1103505	1
	6	V1103506	1
	7	V1103507	1
	8	V1103508	1
30	5	V1103510	1
	6	V1103516	1
40	7	V1103517	1
	8	V1103518	1
	6	V1103526	1
50	5	V1103520	1
	7	V1103527	1
	8	V1103528	1
70	5	V1103530	1
	6	V1103536	1
80	7	V1103537	1
	8	V1103538	1

VascuGraft® NEO

STANDARD VASCULAR ePTFE PROSTHESES

	Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)	
	Standard wall, Helix supported				
	30	5	V1103560	1	
	40	6	V1103566	1	
		7	V1103567	1	
		8	V1103568	1	
	50	5	V1103570	1	
		6	V1103576	1	
		7	V1103577	1	
	60	8	V1103578	1	
		70	5	V1103580	1
		80	6	V1103586	1
	7		V1103587	1	
8	V1103588		1		
	Thin wall				
	30	5	V1103610	1	
	40	5	V1103620	1	
		6	V1103616	1	
		7	V1103617	1	
		8	V1103618	1	
	60	6	V1103626	1	
		7	V1103627	1	
		8	V1103628	1	
	70	5	V1103630	1	
	80	6	V1103636	1	
		7	V1103637	1	
8		V1103638	1		
	Thin wall, Helix supported				
	50	5	V1103670	1	
	60	6	V1103676	1	
		7	V1103677	1	
		8	V1103678	1	
	70	5	V1103680	1	
	80	6	V1103686	1	
		7	V1103687	1	
8		V1103688	1		

Other sizes and configurations available upon request.

VascuGraft® FLOW

HEPARIN COATED VASCULAR ePTFE PROSTHESES

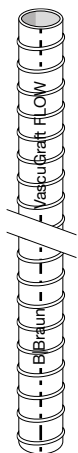
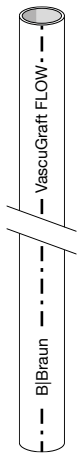
VascuGraft® FLOW

Increased graft patency due to a thromboresistant inner luminal surface.

VascuGraft FLOW is characterized by an innovative heparin coating on the luminal side of the prostheses: The covalently bound heparin on the inner surface of VascuGraft® FLOW enhances the absorption of specific plasma proteins and thus enables the fast formation of a natural vessel-like anti-thrombogenic layer.

Indications

- peripheral arterial reconstructions
- extra-anatomical procedures
- dialysis shunt placement



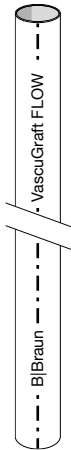
Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
Standard wall, Heparin coated			
20	6	V1103706	1
	7	V1103707	1
40	5	V1103715	1
50	6	V1103721	1
	7	V1103722	1
	8	V1103723	1
70	5	V1103730	1

Standard wall, Helix supported, Heparin coated			
50	6	V1103771	1
	7	V1103772	1
	8	V1103773	1
80	6	V1103786	1
	7	V1103787	1
	8	V1103788	1

VascuGraft® FLOW

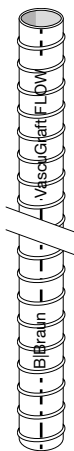
HEPARIN COATED VASCULAR ePTFE PROSTHESES

	Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
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Thin wall, Heparin coated

40	5	V1103815	1
50	6	V1103821	1
	7	V1103822	1
	8	V1103823	1
70	5	V1103830	1
80	6	V1103836	1
	7	V1103837	1
	8	V1103838	1



Thin wall, Helix supported, Heparin coated

40	5	V1103865	1
50	6	V1103871	1
	7	V1103872	1
	8	V1103873	1
70	5	V1103880	1
80	6	V1103886	1
	7	V1103887	1
	8	V1103888	1

Vascular Patch

MICROPOROUS PATCH FOR VASCULAR RECONSTRUCTIONS



Vascular Patch

The Vascular Patch is a microporous, fine-fibrillar patch for use in vascular surgery. The Vascular Patch is characterized by being exceedingly well tolerated by tissue and it is completely biostable.

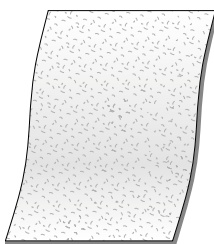
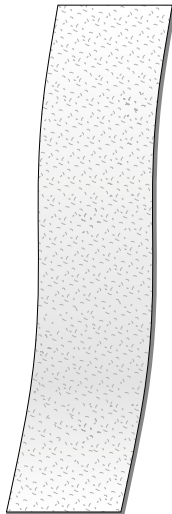
Indications

Reconstructive interventions in the

- carotid artery
- profunda
- femoral
- arteria iliaca

Product features

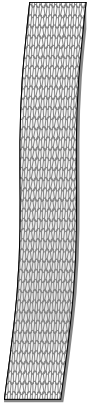
- high compliance
- no suture hole bleeding due to the high elasticity of the polymer fibres
- microporous structure allows good tissue incorporation
- blood tight
- excellent handling properties



Size (cm)	Order number	Sales unit (pcs.)
1 x 7	1107348	1
1 x 7	1107283	2
1 x 7	1107291	5
2 x 9	1107330	1
2 x 9	1107267	2
2 x 9	1107275	5
3 x 4	1107356	1
3 x 4	1107321	2
3 x 4	1107305	5

Uni-Graft® K DV Patch

KNITTED, IMPREGNATED POLYESTER VASCULAR PATCH



Uni-Graft® K DV Patch

Uni-Graft® K DV Patch is a warp-knitted double velours vascular patch of polyester (polyethylene terephthalate), which has been impregnated with absorbable modified bovine gelatin (Polygelin). This treatment reduces the initial porosity of the patch to zero-porosity at the time of implantation.

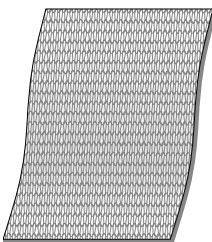
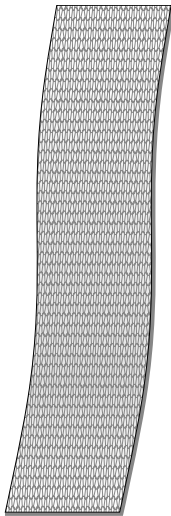
Indications

Reconstructive interventions of the:

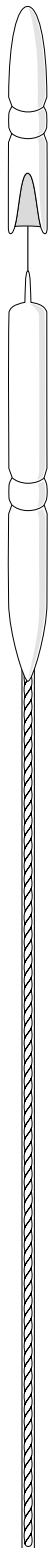
- profunda artery
- femoral artery
- iliac artery

Product feature

- true zero-porosity
- reduces suture hole bleeding



Size (cm)	Order number	Sales unit (pcs.)
1 x 7	1107401	1
1 x 7	1107404	2
1 x 7	1107407	5
2 x 9	1107400	1
2 x 9	1107403	2
2 x 9	1107406	5
3 x 4	1107402	1
3 x 4	1107405	2
3 x 4	1107408	5



Insitucat®

Insitucat® is a sterile valvulotome for the atraumatic removal of the vein valves as a preparatory step in bypass surgery. Insitucat® consists of a polyfilament, plastic-coated guidewire at whose end two conically shaped plastic olives are attached over one another. The olive at the end of the Vein Valve Cutter represents the negative imprint of the venous valve sinus. It is equipped with an extremely sharp plastic cutting edge, which incises the valve by retracting. Insitucat® is supplied sterile as a disposable item.

Indications

Insitucat® is used for the great saphenous vein in situ bypass on femoropopliteal and femorocrural arteries.

Product features

Conical formed plastic olive

- prevents slippage into tributary branches and damage to the intima

Sharp plastic cutting edge

- no damage to the endothelium; the valve flaps are incised in an atraumatic manner
- not torn

Polyfilic, flexible, plastic-coated guidewire

- excellent handling and manoeuvrability
- no memory effect, therefore no pressure against the wall of the vessel

Sterile double packaging

- small storage space is required on the instrument table
- Insitucat® can be introduced directly from the dispenser into the vessel

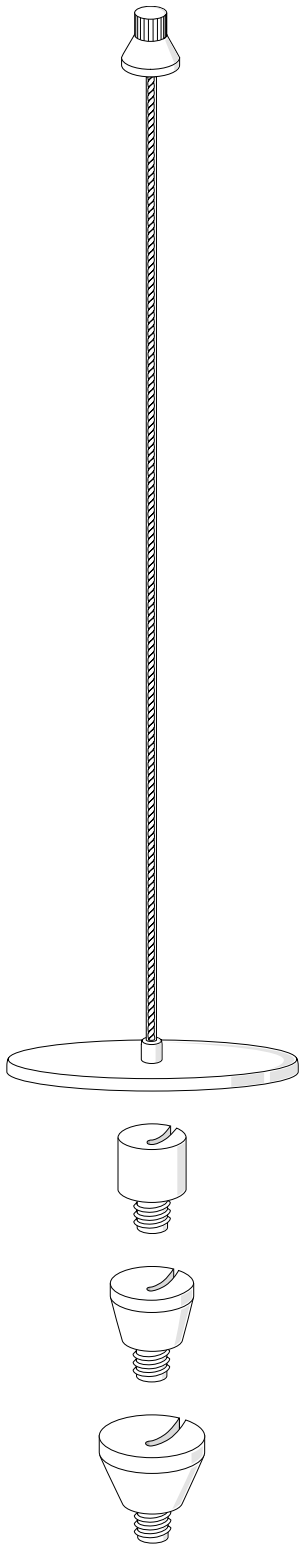
Sterile peel- /dispenser packaging

- safety aspect for surgeons and patients

Diameter (mm)	Order number	Sales unit (pcs.)
2.0	5521106	1
2.5	5521114	1
3.0	5521122	1
3.5	5521130	1
4.0	5521149	1
4.5	5521157	1
5.0	5521165	1

Venostrip®

VEIN EXTIRPATION SET



Venostrip®

Disposable vein extirpation set according to Prof. Dr. Gruß

Contents of set and construction material

- steel wire stripper coated with tetrafluoroethylene-hexafluoropropylene copolymer (FEP)
- polyoxymethylene (POM) handle
- 3x POM stripper heads of 9, 12 and 15 mm diameter
- 1x POM screw cap for attachment of the stripper heads

Indications

Extirpation of the great or small saphenous vein in uncomplicated primary varicosis or chronic venous insufficiency. The set can be used for both exo- and endostripping.

Product features

Polyfilament, flexible, plastic-coated guidewire

- excellent handling and manoeuvrability
- high flexibility without memory effect
- for exo- and endostripping

Sharp-edged stripping heads

- diameter 9, 12, and 15 mm

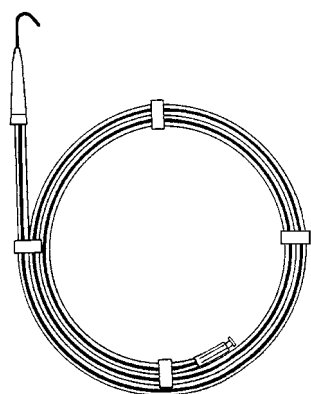
Single use product

- safety aspect for surgeons and patients

	Order number	Sales unit (pcs.)
Complete set, sterile	5523184	10
Stripper wire, sterile	5523176	10

Angiodyn® Customized Service

CUSTOMIZED PROCEDURE KITS



Angiodyn® sterile kits contain an organized array of disposable components for your specific procedure in interventional cardiology, radiology or hemodynamic measurements.

Angiodyn® kits save procedural time since they facilitate patient preparation and postinterventional cleanup as compared to interventions that use individually packaged components. Therefore, the use of your cath lab is further improved by allowing more interventions per day.

Angiodyn® kits are cost effective by simplifying your purchasing and accounting procedures and by consolidating components in one affordable kit.

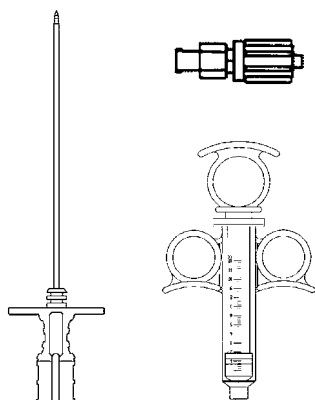
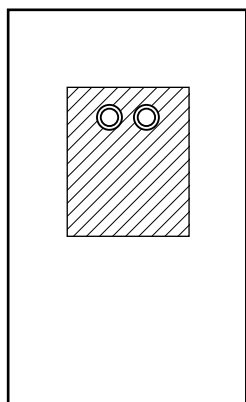
Benefit from our impressive and wide range of high quality precision components.

Angiodyn®

- Custom made kit solutions
- Precision components
- Quick and easy setup & cleanup
- Simple inventory control
- Convenient storage and delivery
- Increased output (= increased profitability)
- Consistent quality
- Standardized workflow
- Reduced training time for new staff
- Reduced waste volume
- More time with the patient

Are you interested?

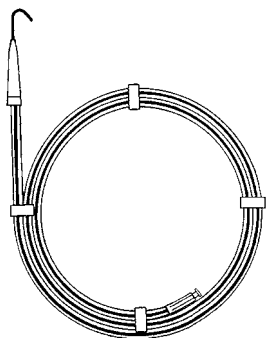
Please contact one of our product specialists for further details.



The components in this catalogue are intended for the assembly of customized B. Braun Angiodyn® procedure kits.

Standard Kits	Order number
<p>Example for Radiology Basic Kit</p> <hr/> <p>Kit components:</p> <ul style="list-style-type: none"> ▪ Patient cover drape 330 x 211 cm / 2 holes femoral ▪ Cover drape 150 x 180 cm ▪ 2 x Cover drapes 140 x 150 cm ▪ OP tape 10 x 50 cm ▪ Absorbent drape with adhesive tape 90x90 cm ▪ 50 x Gauze compresses 10 x 10 cm, 12-fold ▪ 2 x Angiodyn image intensifier cover 90 x 90 cm ▪ Omnifix® syringe LS, 20 ml ▪ Omnifix® syringe LL, 5 ml ▪ Adhesive tape yellow ▪ 3 x Omnifix® syringes LL, 20 ml ▪ 3 x Omnifix® syringes LL, 10 ml ▪ Needle collector box ▪ Sterican® safety cannula 0,6 x 25 mm, 23 G, blue ▪ Safety scalpel fig.11 ▪ Puncture needle 19G ▪ Guidewire J3 FC-FS 175-035 ▪ High pressure 1-way stopcock, 1050 PSI, blue ▪ High pressure tubing 1200 PSI, 120 cm ▪ Bowl 1000 ml, blue ▪ Bowl 250 ml, transparent ▪ Universal clamp, model Kiel ▪ Cover drape 152 x152, reinforced <hr/> <p>Disinfection kit:</p> <ul style="list-style-type: none"> ▪ SUSI® sponge forceps, straight, 200 mm ▪ Bowl 500 ml, blue ▪ 5 x Swabs, plum size 	<p>5014897</p>

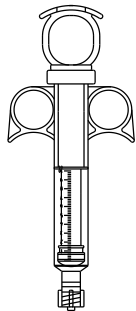
	Standard Kits	Order number
	Example for CT Basic Dranaige Kit	5014110
	<p>Kit components:</p> <ul style="list-style-type: none"> ▪ Cover drape 148 x 240 cm ▪ Cover drape 175 x 180 cm ▪ 2 x Patient Cover drape 75 x 100 cm ▪ Cover drape 150 x 180 cm ▪ Drainage Bag 2l ▪ Omnifix® syringes LL, 20 ml ▪ 3 x Omnifix® syringes LL, 10 ml ▪ 2 x Injekt syringes 10 ml, LS ▪ Safety scalpel fig.11 ▪ Safety puncture needle 0.6 x 25 mm, 23G ▪ Discifix® C stop cock ▪ End Cap, red ▪ Intensifier cover 90 x 90 cm ▪ 2 x Askina Pad S 7.5 x 7.5 cm, 4-fold ▪ 25 x Gauze compresses 10 x 10 cm, 12-fold ▪ Premicron® green 2 (5) 75 cm HS37ss ▪ SUSI® Needle Holder 150 mm ▪ SUSI® Surgigal Scissor 145 mm ▪ Bowl 250 ml, transparent ▪ Bowl 500 ml, blue ▪ Tray 27.0 x 18.5 x 6.0 cm ▪ Cover drape 152 x 152 mm, reinforced 	
	<p>Disinfection kit:</p> <ul style="list-style-type: none"> ▪ SUSI® sponge forceps, straight, 200 mm ▪ Bowl 500 ml, blue ▪ 5 x Swabs, plum size 	



Guidewires for insertion, stabilization and positioning of angiographic catheters.

- PTFE-coated stainless nickel-chromium steel
- Flexible and smooth rounded wire tip
- Sensitive steering and guiding qualities
- Various tip configurations
- Straightener (only for J-tip)
- Standard: With dispenser and Luer Lock-fitting for flushing the wire

Product description	Length (cm)	Ø (inch/mm)	Order number	Sales unit (pcs.)
J-tip, fixed core (FC), fingerstraightenable (FS)				
J3 FC-FS 150-035	150	0.035 / 0.89	5050200	10
J3 FC-FS 150-038	150	0.038 / 0.97	5050219	10
J3 FC-FS 175-035	175	0.035 / 0.89	5059755	50
J3 FC-FS 200-035	200	0.035 / 0.89	5050980	50
J3 FC-FS 220-035	220	0.035 / 0.89	5050981	50
J3 FC-FS 260-035	260	0.035 / 0.89	5050359	5
J3 FC-FS 260-038	260	0.038 / 0.97	5050367	5
Straight tip (S), fixed core (FC)				
SFC 150-018	150	0.018 / 0.46	5050456	10
SFC 150-035	150	0.035 / 0.89	5050243	10
SFC 150-038	150	0.038 / 0.97	5050251	10
SFC 260-038	260	0.038 / 0.97	5050430	5
J-tip, movable core (M), fingerstraightenable (FS)				
MC-FS 150-032	150	0.032 / 0.81	5056470	10
J3 MC-FS 150-035	150	0.035 / 0.89	5050235	10
J3 MC-FS 200-035	200	0.035 / 0.89	5050308	10
J-tip and straight tip (S) (flexible on both ends) fixed core (FC), fingerstraightenable (FS)				
J3 SFC-FS 150-035	150	0.035/0.89	5050227	10
J3 SFC-FS 150-038	150	0.038/0.97	5051022	50
J3 SFC-FS 175-035	175	0.035/0.89	5059208	50
J3 SFC-FS 220-035	220	0.035/0.89	5050360	5

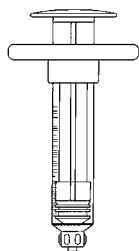


Angiographic syringes for contrast media injection

- Rubber gasket for smooth plunger media injection
- Crystal clear barrel

10 ml angiographic syringe with rotating adapter

- Ring plunger and medium sized grip plate
- Security stop at 1.0 ml
- Lateral finger rings



10 ml angiographic syringe with male Luer lock-fitting

- Medium sized grip plate
- Security stop at 1.0 ml

10 ml Angiographic syringe with male Luer-lock fitting

Order number

Sales unit
(pcs.)

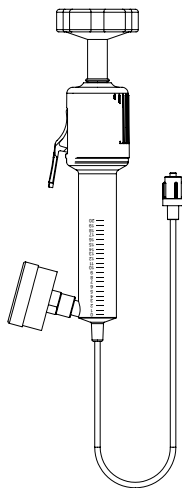
5011990

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10 ml Angiographic syringe with male Luer-lock fitting

5010142

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Inflation Device for PTA

Pressure gauge:

- 90° rotating manometer for „custom“ handling
- Coded figures from nominal to burst pressures for easy reading

Body and button:

- Advanced mechanism for rapid pressure increase, i.e. effective and fast procedure
- Grip design for better handling
- Clear material for easy air bubble detection and removal

Handle:

- Ergonomic design for good handling
- Progressive resistance while inflating for pressure feedback

Inflation Device for PTA, 20 ml/30 atm

5028901

1

Unique Kissing BiBalloon adaptor

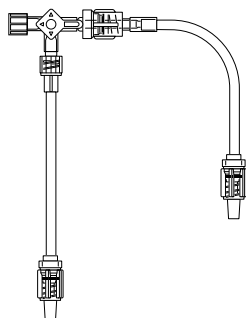
For simultaneous and/or sequential dilatation of bifurcation lesions

- innovative approach for multiple dilatation techniques
- final kissing balloon inflation

Kissing BiBalloon adaptor

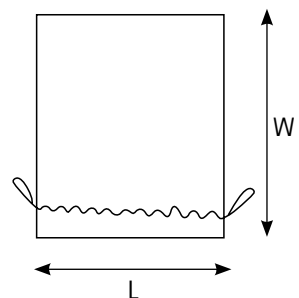
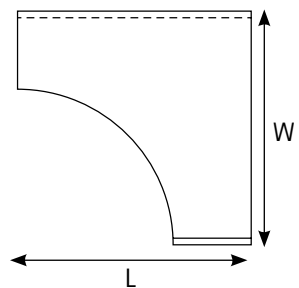
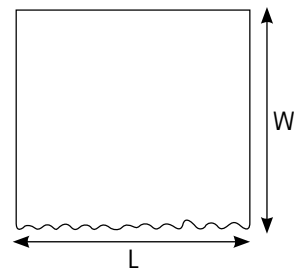
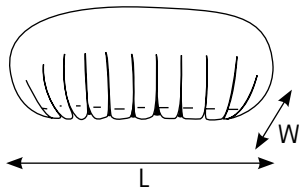
5014760

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Angiodyn® Image intensifier covers and bags

- Protect your equipment from contamination and dust
- PE transparent cover
- With elastic or string fixation



Length = L (cm)	Width = W (cm)	Order number	Sales unit (pcs.)
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Angiodyn® Image intensifier cover with elastic fixation

35	70	5014022	25
45	45	5016733	25
75	80	5010438	25
75	100	5010446	25
80	120	5213568	25
90	90	5017582	25
110	110	5015649	25
120	120	5010085	25
140	140	5018912	25

Angiodyn® Image intensifier bag with elastic fixation

60	60	5016080	25
80	45	5015210	25
80	100	5019520	25
85	90	5019900	25
90	60	5010210	25
90	100	5012629	25
100	100	5014983	25
110	130	5015640	25

Angiodyn® Image intensifier bag (nose type)

80	80	5018100	50
82	95	5019430	50
117	90	5011179	50

Angiodyn® Bag with string fixation

60	65	5017745	25
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Angiodyn® Lamp handle cover (without illustration)

		5016255	100
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Angiodyn® Table plastic cover (without illustration), blue

60	65	5012606	25
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Manufacturer acc. to MDD 93/42/EEC

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Aesculap AG, Am Aesculap Platz, 78235 Tuttlingen, Germany

VenaTech:

B. Braun Medical, 26 rue Armengaud, 92210 Saint-Cloud, France

SeQuent Please OTW, VascuFlex Multi-LOC, VascuGraft:

B. Braun Melsungen AG, Carl-Braun-Str. 1, 34212 Melsungen, Germany

NSE PTA:

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