



Vascular Implants & Specialities

Interventional Vascular Therapy

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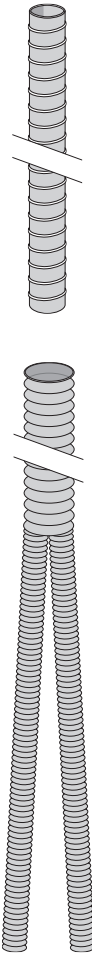
Silver Graft

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
		10	1108030
		12	1108032
		14	1108034
		16	1108001
		18	1108002
		20	1108003
		22	1108042
		24	1108044
	30	8	1108004
		14	1108005
		16	1108006
		18	1108007
		20	1108008
		22	1108062
		24	1108064
	40	6	1108009
		7	1108010
		8	1108011
		10	1108050
		12	1108052
	60	6	1108012
		7	1108013
		8	1108014

Silver Graft

Antimicrobial vascular prostheses

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

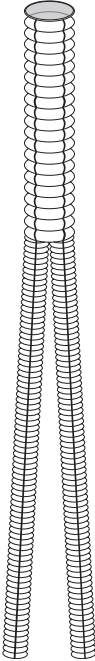
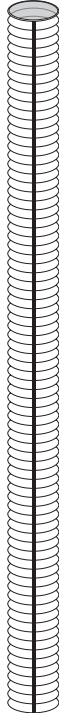
Uni-Graft® K DV

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	

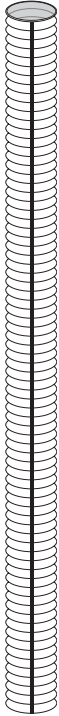
Uni-Graft® K DV

Warp-knitted, impregnated vascular prostheses

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

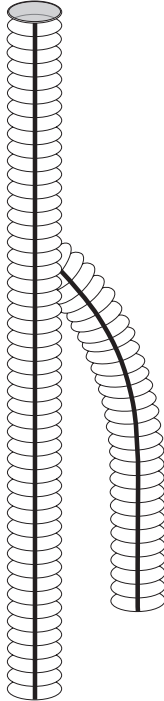
Uni-Graft® K DV

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

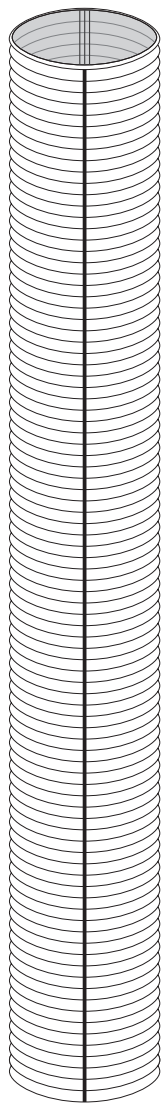
Uni-Graft® K DV

Warp-knitted, impregnated vascular prostheses

	Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
	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 ascendig aorta, aortic arch and descending aorta

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

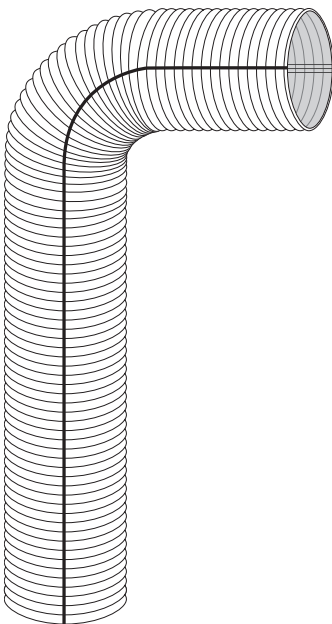
Uni-Graft® W – Straight tubes

- 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

Woven, impregnated vascular prostheses



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
30	5	V1103510	1
	6	V1103516	1
	7	V1103517	1
40	6	V1103517	1
	7	V1103518	1
	8	V1103518	1
50	5	V1103520	1
	6	V1103526	1
	7	V1103527	1
60	6	V1103527	1
	7	V1103528	1
	8	V1103528	1
70	5	V1103530	1
	6	V1103536	1
	7	V1103537	1
80	6	V1103537	1
	7	V1103538	1
	8	V1103538	1



VascuGraft® NEO

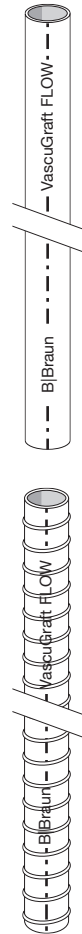
Standard vascular ePTFE prostheses

	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	6	V1103576	1
		7	V1103577	1
		8	V1103578	1
	70	5	V1103580	1
		6	V1103586	1
		7	V1103587	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
		6	V1103636	1
		7	V1103637	1
		8	V1103638	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
		6	V1103686	1
		7	V1103687	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

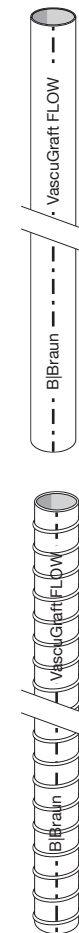
Length (cm)	Diameter (mm)	Order number	Sales unit (pcs.)
Standard wall, Heparin coated			
20	6	V1103706	1
	7	V1103707	1
40	5	V1103715	1
50	6	V1103721	1
	7	V1103722	1
	8	V1103723	1
70	5	V1103730	1

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



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

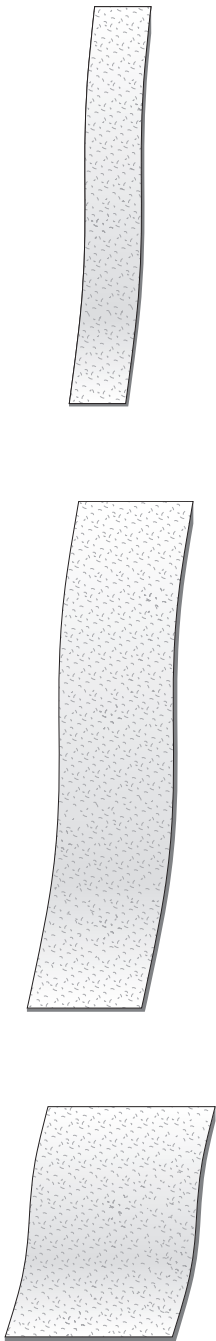
Thin wall, Helix supported, Heparin coated

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

Other sizes and configurations available upon request.

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

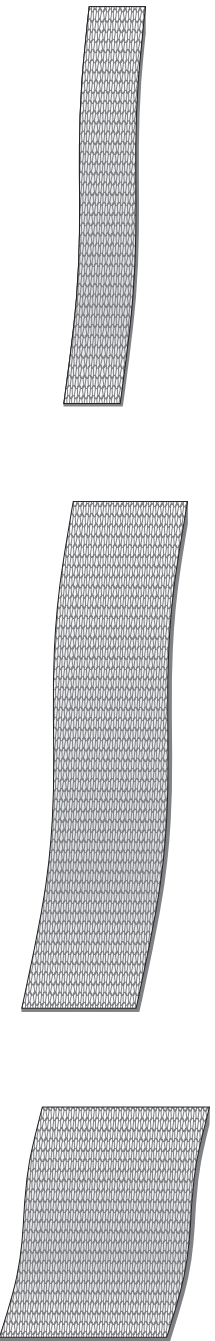
Product features

- 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

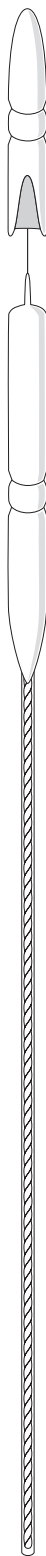
Product feature

- 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®

Valvulotom for in situ bypass surgery



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

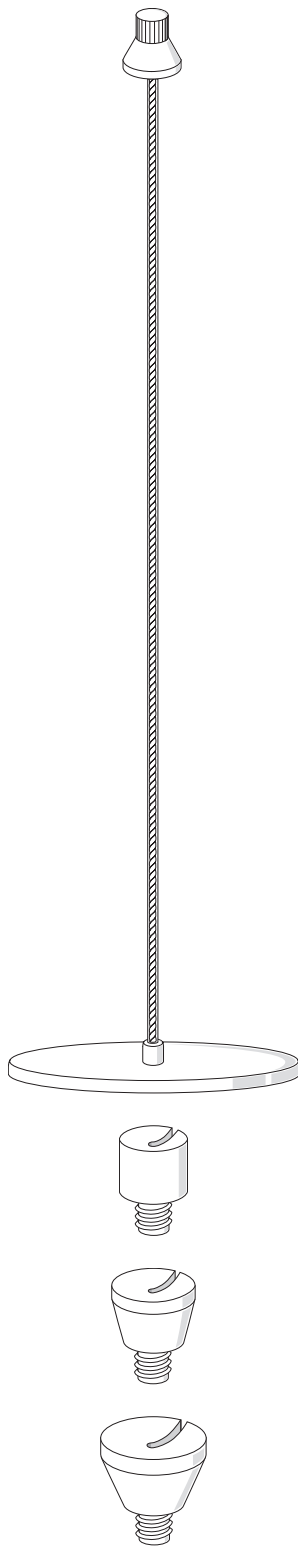
Sterile double packaging
– small storage space is required on the instrument table
– Insitucat® can be introduced directly from the dispenser into the vessel

Sterile peel- /dispender 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. Grub.
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

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Manufacturer acc. to MDD 93/42/EEC

Silver Graft, Uni-Graft, ProVena, Vascular Patch, Uni-Graft Patch, VenoPatch, Insitucat, Venostrip, SUSI:
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

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