

Self-Expanding Stents - Endovascular Today

Company Name	Product Name	Material Used	Introducer Size (F)	Guidewire Compatibility (inch)	Stent Diameter (mm)	Stent Length (mm)	Delivery System Length (cm)	CE Mark Indications
Abbott	Absolute Pro LL Peripheral Stent	Nitinol	6	0.035	5-8	120, 150	80, 135	Peripheral arteries as an adjunct to PTA and for the palliation of malignant strictures in the biliary tree
Abbott	Absolute Pro Peripheral Stent	Nitinol	6	0.035	5-10	20, 30, 40, 60, 80, 100	80, 135	Peripheral arteries as an adjunct to PTA and for the palliation of malignant strictures in the biliary tree
Abbott	Supera Peripheral Stent System	Interwoven nitinol wires	6	0.018	4.5-7.5 (OD)	20, 30, 40, 60, 80, 100, 120, 150, 180, 200	80, 120	Peripheral vascular
Abbott	Xpert Pro Peripheral Self-Expanding Stent System	Nitinol	4, 5	0.018	3-6, 8	20, 30, 40, 60, 80, 100	80, 90, 120, 135	Vascular: insufficient result after PTA (eg, residual stenosis, dissection, obstruction due to detached atherosclerotic plaque material or reocclusion); biliary: bile duct obstruction caused by malignant tumors (treated via transhepatic approach); malignancy: (a) patients presenting pancreatic carcinoma, which is compressing the biliary tree, (b) patients presenting cholangiocarcinoma that has led to biliary obstruction, (c) patients presenting an extra-hepatic biliary obstruction due to gallbladder carcinoma, metastases, or ampullary carcinoma
Alvimedica	Easy Flype	Nitinol	6	0.035	6-8	20-150	85, 135	Peripheral
Alvimedica	Easy HiFlype	Nitinol	6	0.035	9-12	20-100	85, 135	Peripheral
amg International GmbH	ClaudEX Peripheral Self-Expandable Stent	Nitinol	1.9	0.014	3.5, 4.5	15, 20, 25, 30, 35	200	Intended for use in the treatment of peripheral artery obstruction or in cases of insufficient results after PTA (eg, residual stenosis or dissection due to arteriosclerotic plaque material or restenosis)
amg International GmbH	Facile Self-Expandable Stent System	Nitinol	6	0.035	6-11	20, 40, 60, 80, 100, 120, 150	80, 120	Peripheral arteries
amg International GmbH	Facile-pp Self-Expandable Stent System	Nitinol	6	0.035	6-11	20, 40, 60, 80, 100, 120, 150, 175, 200	80, 120	Peripheral arteries
Andramed GmbH	U-Flex Nitinol Stent	Nitinol	6	0.035	5-10	20, 30, 40, 50, 60, 80, 100, 120, 150, 180, 200	80, 130	Peripheral
Andramed GmbH	U-Flex Nitinol Stent	Nitinol	5	0.018	5-10	15, 30, 40, 50, 60, 80, 100, 120, 150, 180, 200	80, 120	Peripheral
B. Braun	VascuFlex Multi-	Nitinol	6	0.035	5, 6, 7, 8	13 (six stents on	80, 130	For spot stenting; indicated for treatment of stenoses, occlusions,

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Melsungen AG	LOC (MSDS)						one delivery system)	recoils, and dissections of peripheral arteries, especially for lesions in segments of strong mechanical strain by bending and stretching (eg, popliteal artery)
B. Braun Melsungen AG	VascuFlex 5F	Nitinol	5	0.018	5, 6, 7, 8, 9, 10	20, 40, 60, 80, 100, 120, 150, 180, 200	80, 120	Peripheral; indicated for atherosclerotic diseases of the peripheral arteries (eg, A. iliaca, A. femoralis, and A. femoralis superficialis) and in other vessels which correspond in their anatomic dimensions to the available sizes of stents; treatment of bile duct strictures
B. Braun Melsungen AG	VascuFlex 5F TR/TB	Nitinol	5	0.018	6, 7, 8	40, 60, 80	180	For transradial and transbrachial approach indicated for atherosclerotic diseases of the peripheral arteries (eg, A. iliaca, A. femoralis, and A. femoralis superficialis) and in other vessels which correspond in their anatomic dimensions to the available sizes of stents
B. Braun Melsungen AG	VascuFlex 6F	Nitinol	6	0.035	5, 6, 7, 8, 9, 10	20, 40, 60, 80, 100, 120, 150, 180, 200	80, 130	Peripheral; indicated for atherosclerotic diseases of the peripheral arteries (eg, A. iliaca, A. femoralis, and A. femoralis superficialis) and in other vessels which correspond in their anatomic dimensions to the available sizes of stents; treatment of bile duct strictures
B. Braun Melsungen AG	VascuFlex Aortic	Nitinol	12, 14, 16	0.035	14, 16, 18, 20, 22, 24, 28, 32, 36, 40	70, 100, 130, 150	100	Indicated for the treatment of dissections, stenoses, and other specific lesions of the thoracic descending aorta, the abdominal aorta, as well as for the treatment of vena-cava syndrome
Balton	Jaguar	Nitinol wire	6, 7, 8	0.018, 0.035	4–14	15–150	80, 135	Peripheral
BD Interventional	E•Luminexx Biliary Stent	Nitinol	6	0.035	8, 10	40, 60, 80, 100	60	Treatment of biliary strictures resulting from malignant neoplasms
BD Interventional	E•Luminexx Vascular Stent	Nitinol	6	0.035	4–10, 12, 14	20, 30, 40, 50, 60, 80, 100, 120	80, 135	Residual stenosis with impaired perfusion (pressure gradient) following balloon dilatation, especially in stages III and IV according to Fontaine; dissection; detached arteriosclerotic plaque material and luminal obstruction following balloon dilatation; occlusion after thrombolysis or after aspiration and before dilatation; restenosis or reocclusion
BD Interventional	Life Star Vascular Stent	Nitinol	6	0.035	4–10, 12, 14	20, 30, 40, 50, 60, 80, 100, 120	80, 135	Residual stenosis with impaired perfusion (pressure gradient) following balloon dilatation, especially in stages III and IV according to Fontaine; dissection; detached arteriosclerotic plaque material and luminal obstruction following balloon dilatation; occlusion after thrombolysis or after aspiration and before dilatation; restenosis or reocclusion
BD Interventional	LifeStent 5F	Nitinol	5	0.035	5–7	20, 30, 40, 60, 80,	80, 135	Intended to improve luminal diameter in the treatment of

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	Vascular Stent					100, 120, 150, 170 (diameter dependent)		symptomatic de novo or restenotic lesions in the native superficial femoral artery and popliteal artery
BD Interventional	LifeStent Solo Vascular Stent	Nitinol	6	0.035	6–7	200, 250	80, 100, 135	Intended to improve luminal diameter in the treatment of symptomatic de novo or restenotic lesions in the native superficial femoral artery and proximal popliteal artery
BD Interventional	LifeStent Vascular Stent	Nitinol	6	0.035	5–10	20, 30, 40, 60, 80, 100, 120, 150, 170, 200 (diameter dependent)	80, 130, 135	Intended for primary stenting of de novo or restenotic lesions of the peripheral arteries (20–170 mm); primary stenting of the SFA and/or the PPA (200 mm)
Biotronik AG	Astron	Nitinol	6	0.035	7, 8, 9, 10	30, 40, 60, 80	70, 120	Iliac artery
Biotronik AG	Astron Pulsar	Nitinol	4	0.018	4, 5, 6, 7	20, 30, 40, 60, 80	70–75, 120–135	Femoral and infrapopliteal arteries
Biotronik AG	Pulsar-18	Nitinol	4	0.018	4, 5, 6, 7	20, 30, 40, 60, 80, 100, 120, 150, 170, 200	90, 135	Femoral and infrapopliteal arteries
Biotronik AG	Pulsar-35	Nitinol	6	0.035	5, 6, 7	30, 40, 60, 80, 100, 120, 150, 170, 200	90, 135	Femoral and proximal popliteal arteries
Boston Scientific Corporation	Epic Self-Expanding Nitinol Vascular Stent	Nitinol	6	0.035	6–10, 12	20, 30, 40, 50, 60, 70, 80, 100, 120	75, 120	Iliac
Boston Scientific Corporation	Innova Self-Expanding Stent System	Nitinol	6	0.035 (0.89 mm)	5–8	20, 40, 60, 80, 100, 120, 150, 180, 200	75, 130	SFA, proximal popliteal
Boston Scientific Corporation	Wallstent Endoprosthesis	Elgiloy	6 (2 mm)	0.035 (0.89 mm)	6–10	18, 20, 23, 24, 34, 35, 36, 38, 39, 46, 47, 49, 52, 55, 59, 61, 66, 67, 69	75, 135	Iliac
Boston Scientific Corporation	Wallstent Endoprosthesis	Elgiloy	6 (2 mm)–12 (4 mm)	0.035 (0.89 mm)	5–8, 10, 12, 14, 16, 18, 20, 22, 24	20, 35, 40, 42, 45, 55, 60, 68, 70, 80, 90, 94	75, 135 (up to 12-mm diameter); 75 (≥ 14-mm diameter)	Tracheobronchial
Boston Scientific Corporation	Wallstent Endoprosthesis	Elgiloy	6 (2 mm)–9 (3 mm)	0.035 (0.89 mm)	8, 10, 12	20, 40, 42, 60, 68, 80, 90, 94	75	Transhepatic biliary

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Boston Scientific Corporation	Wallstent Endoprosthesis	Elgiloy	7 (2.33 mm)–9 (3 mm)	0.035 (0.89 mm)	10, 12	40, 42, 60, 68, 90, 94	75	TIPS
Boston Scientific Corporation	Wallstent Endoprosthesis	Elgiloy	6 (2 mm)–10 (3.33 mm)	0.035 (0.89 mm)	10, 12, 14, 16	20, 40, 42, 60, 68, 90, 94	75	Central venous
Cook Medical	Zilver 518 Vascular Self-Expanding Stent	Nitinol	5	0.018	4–10	4 mm: 20, 40, 80 mm; 5–9 mm: 40, 60, 80 mm; 10 mm: 40, 60 mm	80, 125	Iliac arteries
Cook Medical	Zilver 635 Biliary Self-Expanding Stent	Nitinol	6	0.035	8, 9, 10, 12	40 (only available in 8, 9, 10 mm), 60, 80	40	Palliation of malignant neoplasm in the biliary tree
Cook Medical	Zilver 635 Vascular Self-Expanding Stent	Nitinol	6	0.035	12, 14	12 mm: 40, 60, 80 mm; 14 mm: 40, 60, 80 mm	80, 125	Iliac arteries
Cook Medical	Zilver Flex Vascular Self-Expanding Stent	Nitinol	6	0.035	5–10	20, 30, 40, 60, 80, 100, 120, 140; 170, 200 (only available in diameters 5, 6, 7, 8 mm)	80, 125	Iliac and above-the-knee femoropopliteal arteries
Cordis, a Cardinal Health company	Precise Pro RX	Nitinol	5 (5–8-mm diameter), 6 (9–10-mm diameter)	0.014	5–10	20, 30, 40	135	Carotid
Cordis, a Cardinal Health company	SMART Control	Nitinol	6	0.035	6–10, 12, 14	20, 30, 40, 60, 80, 100	80, 120	Vascular
Cordis, a Cardinal Health company	SMART Flex	Nitinol	6	0.035	5–8	30, 40, 60, 80, 100, 120, 150, 200	80, 120	SFA, proximal popliteal
Cordis, a Cardinal Health company	SMART Flex	Nitinol	6	0.035	9, 10	20, 30, 40, 50, 60, 70, 80, 90, 100	80, 120	Iliac
eucatech AG	Resistant	Nitinol	–	0.035	4, 5, 6, 7, 8, 9, 10, 12	20, 30, 40, 60, 80, 100	85, 135	Treatment of SFA and popliteal artery stenosis
eucatech AG	Resistant Camouflage	Nitinol with camouflage nanocoating	–	0.035	5, 6, 7, 8	40, 60, 80, 100	135	Treatment of stenosis of peripheral vessels
Gore & Associates	Gore Tigris Vascular	Nitinol/ePTFE	6	0.035	5, 6, 7	30, 40, 60, 80,	80, 120	Indicated for endovascular stenting of peripheral arteries

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	Stent					100		
Gore & Associates	Gore Tigris Vascular Stent	Nitinol/ePTFE	7	0.035	8	30, 40, 60, 80, 100	80, 120	Indicated for endovascular stenting of peripheral arteries
Intact Vascular	Tack Endovascular System (4F)	Nitinol with gold radiopaque markers	4	0.014	1.5–4.5	6	150	Intended for use in mid/distal popliteal, tibial, and peroneal arteries, ranging in diameter from 1.5 to 4.5 mm, for the treatment of dissection(s) requiring repair after percutaneous transluminal balloon angioplasty
Intact Vascular	Tack Endovascular System (6F)	Nitinol with gold radiopaque markers	6	0.035	2.5–6	6	120	Intended for use in the superficial femoral and proximal popliteal arteries ranging in diameter from 2.5 to 6 mm for the repair of dissection(s) type(s) A through F after percutaneous transluminal balloon angioplasty
iVascular	iVolution	Nitinol	6	0.035	5, 6, 7, 8, 9, 10	40, 60, 80, 100, 150, 200	80, 140	Treatment of de novo or restenotic atherosclerotic lesions in peripheral arteries located below the aortic arch, and for palliation of malignant structures of the bile ducts with nominal diameter between 4.5–9.5 mm
Medtronic	EverFlex Self-Expanding Peripheral Stent With Entrust Delivery System	Nitinol	5	0.035	5–8	20, 40, 60, 80, 100, 120, 150	80, 120, 150	Biliary, peripheral
Medtronic	Protégé EverFlex Self-Expanding Stent System	Nitinol	6	0.035	5–8	20, 30, 40, 60, 80, 100, 120, 150, 200	80, 120	Biliary, peripheral
Medtronic	Protégé GPS Self-Expanding Stent System	Nitinol	6	0.035	9, 10, 12, 14	20, 30, 40, 60, 80	80, 120	Biliary, peripheral
Micro Medical Solutions	MicroStent	Nitinol	4	0.014	3, 3.5, 4, 4.5	8, 15, 25, 40, 60	120	Indicated for treatment of peripheral artery disease and critical limb ischemia
Natec Medical Ltd	Marina	Nitinol	6	0.035	5–10	30–200	80, 130	Peripheral and biliary
optimed Medizinische Instrumente GmbH	sinus-Reduction	Nitinol	10	0.035	14/4/14, 14/5/14	40	70	Reduction of blood flow after TIPS stent insertion
optimed Medizinische Instrumente GmbH	sinus-Repo-DS	Nitinol	4	0.018	5, 6	9	85	Aortic coarctation stenting in neonates
optimed Medizinische	sinus-Repo-Visual 6F	Nitinol	6	0.035	6–10, 12, 14	20, 30, 40, 60, 80, 100	75, 120	Peripheral arteries

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Instrumente GmbH								
optimed Medizinische Instrumente GmbH	sinus-SuperFlex-418	Nitinol	4	0.018	3–8	30, 40, 60, 80, 100, 130, 150, 180, 200	85, 135	Peripheral arteries
optimed Medizinische Instrumente GmbH	sinus-SuperFlex-535	Nitinol	5	0.035	4–10	30, 40, 60, 80	75, 120	Peripheral arteries, biliary
optimed Medizinische Instrumente GmbH	sinus-SuperFlex-635	Nitinol	6	0.035	6–10, 12	30, 40, 60, 80, 100, 120, 150	75, 120	Peripheral arteries, biliary
optimed Medizinische Instrumente GmbH	sinus-SuperFlex-DS	Nitinol	4	0.018	4–9	12, 15, 18, 20, 22, 24	85	Ductal stenting
optimed Medizinische Instrumente GmbH	sinus-XL	Nitinol	10	0.035	16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36	30, 40, 60, 80, 100	100	Aorta and vena cava
optimed Medizinische Instrumente GmbH	sinus-XL 6F	Nitinol	6	0.035	14, 16	30, 40, 60, 80, 100	100	Aorta and vena cava
optimed Medizinische Instrumente GmbH	sinus-XL Flex	Nitinol	10	0.035	14, 16, 18, 20, 22, 24	40, 60, 80, 100, 120, 150, 160	100	Aorta, vena cava, and symptomatic obstructions of iliofemoral veins
QualiMed Innovative Medizinprodukte GmbH	Peripheral Vascular Self-Expanding Stent System (PS)	Nitinol	6	0.035	6–11	20, 40, 60, 80, 100, 120, 150	80, 120	Peripheral arteries
QualiMed Innovative Medizinprodukte GmbH	Peripheral Vascular Self-Expanding Stent System (PSpp)	Nitinol	6	0.035	6–11	20, 40, 60, 80, 100, 120, 150, 175, 200	80, 120	Peripheral arteries
QualiMed Innovative Medizinprodukte GmbH	Self-Expandable Stent (BTK)	Nitinol	1.9	0.014	3.5, 4.5	15, 20, 25, 30, 35	200	Intended for use in the treatment of peripheral artery obstruction or in cases of insufficient results after PTA (eg, residual stenosis or dissection due to arteriosclerotic plaque material or restenosis)
Rontis AG	Zeus SX	Nickel titanium alloy	6	0.035	6, 7, 8, 9, 10, 11	20, 40, 60, 80, 100, 120, 150	80, 120	Peripheral arteries

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		(nitinol)						
Veryan Medical	BioMimics 3D Self-Expanding Stent System	Nitinol	6	0.035	5, 6, 7, 8	60, 80, 100, 125, 150	113	SFA, proximal popliteal