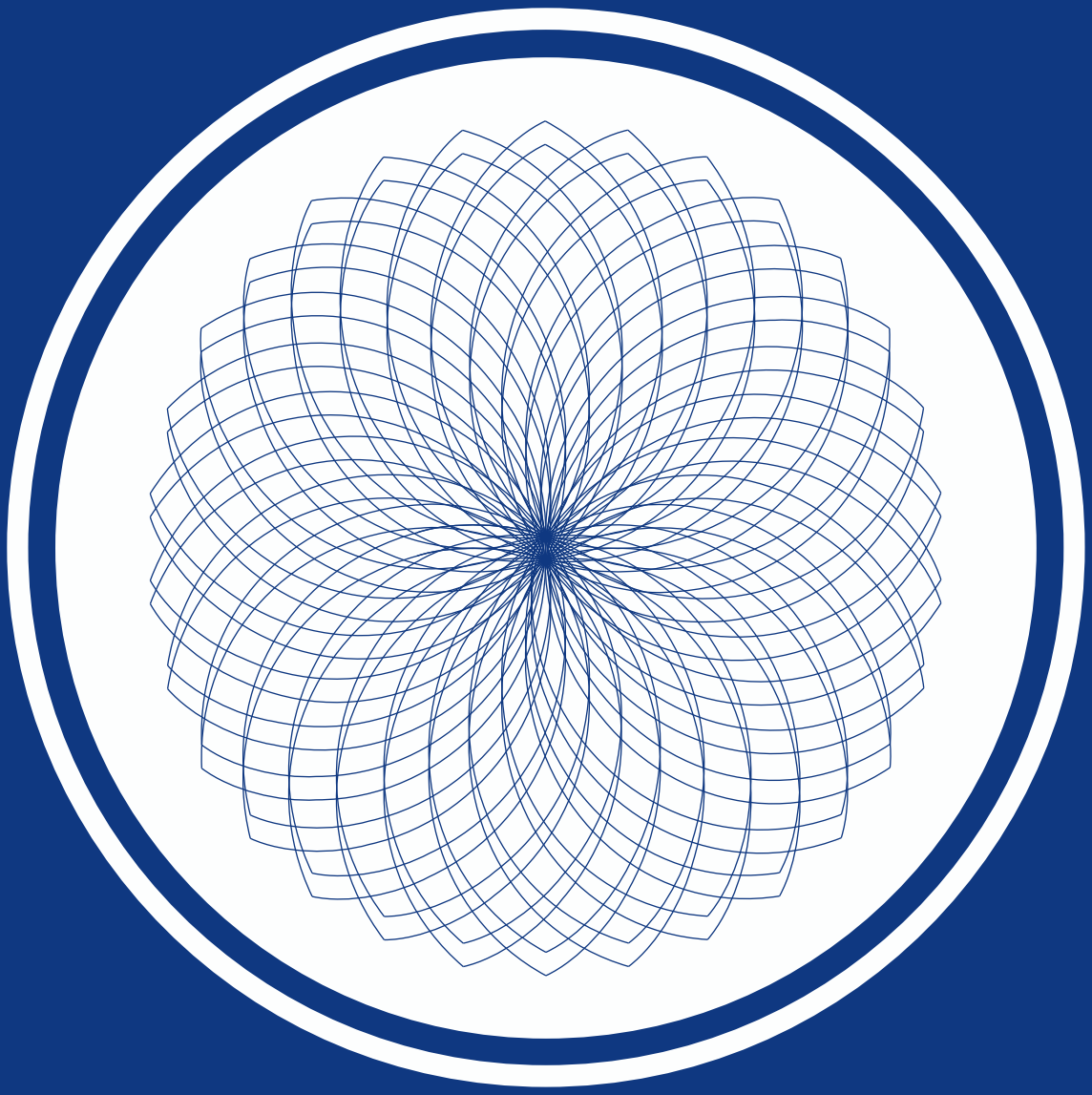
Your ***Needs*** • Our ***Design***



Occluder Device

LEPU MEDICAL

SHSMA

ScienTech

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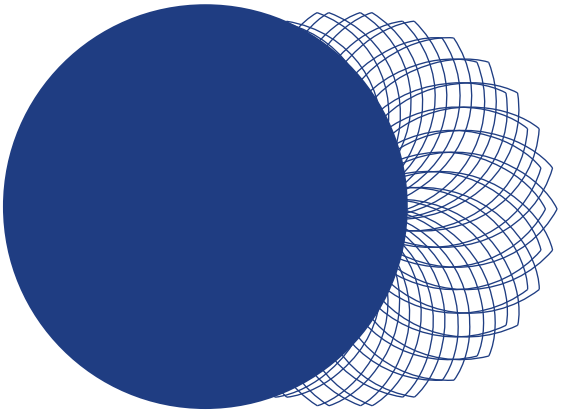


MemoPart™

Makes Your First Choice

No.1 market share in Chinese market
More than 22 years usage by the professionals
Over 200,000 cases of implantation globally

Nothing Can Be More Accurate Than Fit

Elasticity

Optimal heat treatment on the Nitinol wire provides the occluder superior elasticity for easier delivery.

Rigidity

Modified rigidity and flexibility for different type of occluders are designed to meet different clinical requirements.

Type	Stiffness	Resilience	Applications
ASD			Greater stiffness offers excellent supporting force for big disks
VSD			Less stiffness reduces the holding force to minimize the risk of third degree atrioventricular block
PDA			Balanced stiffness ensures the optimal occlusion performance
Plug			Minimized vessel damage, good positioning

Structure

Special braided wires structure provides excellent radial strength that ensures ideal configuration after deployment, allows of full cross-sectional orifice coverage, and minimizes operation risk.

Shape and Size

Complete range of occluder specifications can satisfy the most types and sizes of defects.
(eg. sizes of ASD occluder range from 6mm to 50mm).

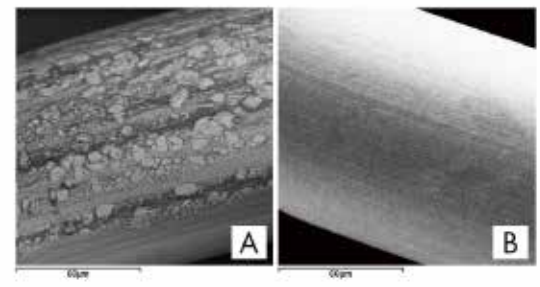
More Options Available

Customized designs provide additional choices to meet different clinical requirements.

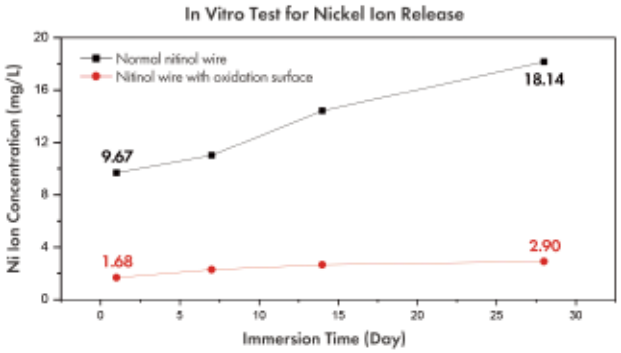
Safety Is What We Always Care About

¤ Heat - treated Nitinol Wire

Special oxidization process makes the compact and uniform surface of TiO_2 on the nitinol wire. The oxidation surface effectively prevents from the release of nickel ion to guarantee great biocompatibility and long-term safety.

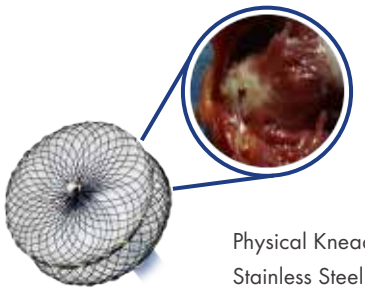


A: Normal Nitinol Wire B: Heat - treated Nitinol Wire



¤ Physical Kneaded Hub

Comparing to welded hub, the physical kneaded stainless steel hub is stable, durable and safe to avoid not only the change of nitinol wire's physical properties, but also the release of harmful ions while welding.



Physical Kneaded Stainless Steel Hub

¤ Hubless Occluders

The hubless design is available for most type of occluders to help with easier and better endothelialization.

¤ Multiple Sizes of Waist Length for VSD Occluder

Instead of only one size of waist length, MemoPart ™ VSD occluders provide 3-4 sizes of waist length to minimize the negative impact of compression force, which could highly reduce the risk of third degree atrioventricular block.

MemoPart™

Atrial Septal Defect (ASD) Occluder CE

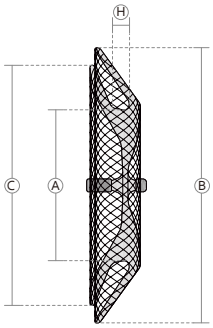
MemoPart™ ASD Occluder is a percutaneous, transcatheter device applied to the closure of atrial septal defects (ASD). It is also available for the patient who require a closure of fenestrated Fontan.

ASD Occluder

Hubless ASD Occluder

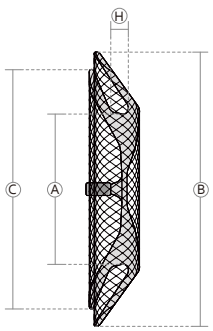
Multi-Fenestrated ASD Occluder

Hubless Multi-Fenestrated ASD Occluder



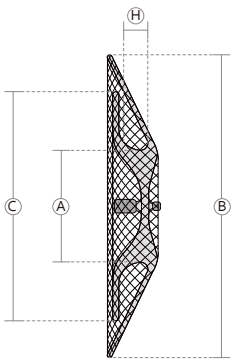
MemoPart™ ASDO

Catalogue No.	Device Size	A Waist Diameter (mm)	B LA Disc Diameter (mm)	C RA Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
FQFDQ-I 06	06	6	16	14	3.0	8F
FQFDQ-I 07	07	7	21	17	3.0	8F
FQFDQ-I 08	08	8	18	16	3.0	8F
FQFDQ-I 09	09	9	23	19	3.0	8F
FQFDQ-I 10	10	10	20	18	3.0	8F
FQFDQ-I 11	11	11	25	21	3.0	9F
FQFDQ-I 12	12	12	22	20	3.0	9F
FQFDQ-I 13	13	13	27	23	3.0	9F
FQFDQ-I 14	14	14	24	22	3.0	9F
FQFDQ-I 15	15	15	29	25	4.0	9F
FQFDQ-I 16	16	16	30	26	4.0	9F
FQFDQ-I 17	17	17	31	27	4.0	9F
FQFDQ-I 18	18	18	32	28	4.0	9F
FQFDQ-I 19	19	19	33	29	4.0	10F
FQFDQ-I 20	20	20	34	30	4.0	10F
FQFDQ-I 22	22	22	36	32	4.0	10F
FQFDQ-I 24	24	24	38	34	4.0	10F
FQFDQ-I 26	26	26	40	36	4.0	12F
FQFDQ-I 28	28	28	42	38	4.0	12F
FQFDQ-I 30	30	30	44	40	4.0	12F
FQFDQ-I 32	32	32	47	42	4.0	12F
FQFDQ-I 34	34	34	49	44	4.0	14F
FQFDQ-I 36	36	36	51	46	4.0	14F
FQFDQ-I 38	38	38	54	50	4.5	14F
FQFDQ-I 40	40	40	56	52	4.5	14F
FQFDQ-I 42	42	42	58	54	4.5	14F
FQFDQ-I 44	44	44	60	56	4.5	14F
FQFDQ-I 46	46	46	62	58	4.5	14F
FQFDQ-I 48	48	48	64	60	4.5	14F
FQFDQ-I 50	50	50	66	62	4.5	14F



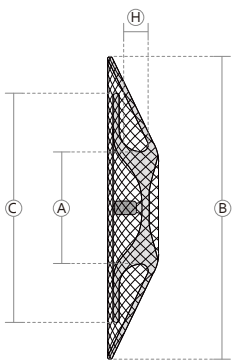
MemoPart™ Hubless ASDO

Catalogue No.	Device Size	A Waist Diameter (mm)	B LA Disc Diameter (mm)	C RA Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WTFQFDQ-I 06	06	6	16	14	3.0	8F
WTFQFDQ-I 07	07	7	21	17	3.0	8F
WTFQFDQ-I 08	08	8	18	16	3.0	8F
WTFQFDQ-I 09	09	9	23	19	3.0	8F
WTFQFDQ-I 10	10	10	20	18	3.0	8F
WTFQFDQ-I 11	11	11	25	21	3.0	9F
WTFQFDQ-I 12	12	12	22	20	3.0	9F
WTFQFDQ-I 13	13	13	27	23	3.0	9F
WTFQFDQ-I 14	14	14	24	22	3.0	9F
WTFQFDQ-I 15	15	15	29	25	4.0	9F
WTFQFDQ-I 16	16	16	30	26	4.0	9F
WTFQFDQ-I 17	17	17	31	27	4.0	9F
WTFQFDQ-I 18	18	18	32	28	4.0	9F
WTFQFDQ-I 19	19	19	33	29	4.0	10F
WTFQFDQ-I 20	20	20	34	30	4.0	10F
WTFQFDQ-I 22	22	22	36	32	4.0	10F
WTFQFDQ-I 24	24	24	38	34	4.0	12F



MemoPart™ Multi-Fenestrated ASDO

Catalogue No.	Device Size	A Waist Diameter (mm)	B LA Disc Diameter (mm)	C RA Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
FQFDQ-II 06	06	6	30	22	3.0	9F
FQFDQ-II 08	08	8	32	24	3.0	9F
FQFDQ-II 10	10	10	34	26	3.0	10F
FQFDQ-II 12	12	12	36	28	3.0	10F
FQFDQ-II 14	14	14	38	30	3.0	10F
FQFDQ-II 16	16	16	40	32	4.0	12F
FQFDQ-II 18	18	18	42	34	4.0	12F
FQFDQ-II 20	20	20	44	36	4.0	12F
FQFDQ-II 22	22	22	46	38	4.0	12F
FQFDQ-II 24	24	24	48	40	4.0	14F



MemoPart™ Hubless Multi-Fenestrated ASDO

Catalogue No.	Device Size	A Waist Diameter (mm)	B LA Disc Diameter (mm)	C RA Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WTFQFDQ-II 06	06	6	30	22	3.0	9F
WTFQFDQ-II 08	08	8	32	24	3.0	9F
WTFQFDQ-II 10	10	10	34	26	3.0	10F
WTFQFDQ-II 12	12	12	36	28	3.0	10F
WTFQFDQ-II 14	14	14	38	30	3.0	10F

MemoPart™

Ventricular Septal Defect (VSD) Occluder CE

MemoPart™ VSD Occluder is a percutaneous, transcatheter device applied to the closure of ventricular septal defects (VSD). MemoPart™ VSDO includes four different types that divided into muscular VSDO and membranous VSDO.

Muscular
VSD Occluder

Membranous Symmetric
VSD Occluder

Membranous Asymmetric
VSD Occluder

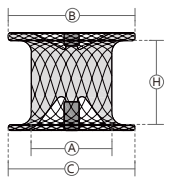
Zero Rim Eccentric
VSD Occluder

Hubless Muscular
VSD Occluder

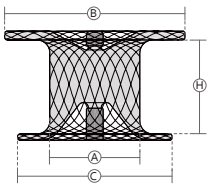
Hubless Membranous
Symmetric VSD Occluder

Hubless Membranous
Asymmetric VSD Occluder

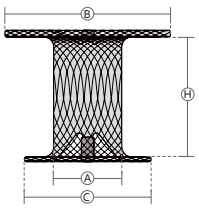
MemoPart™ (VSD) Occluder



SQFDQ-I a



SQFDQ-I b

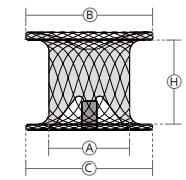


SQFDQ-I c

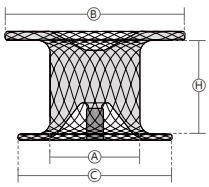
MemoPart™ Muscular VSDO

Catalogue No.	Device Size	A Waist Diameter (mm)	B LV Disc Diameter (mm)	C RV Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheat Size
SQFDQ-I a04	04	4	8	8	5.0	6F
SQFDQ-I a05	05	5	9	9	5.0	6F
SQFDQ-I a06	06	6	10	10	5.0	7F
SQFDQ-I a07	07	7	11	11	5.0	7F
SQFDQ-I a08	08	8	12	12	5.0	8F
SQFDQ-I a09	09	9	13	13	5.0	8F
SQFDQ-I a10	10	10	14	14	5.0	9F
SQFDQ-I a12	12	12	16	16	5.0	9F
SQFDQ-I a14	14	14	18	18	5.0	10F
SQFDQ-I a16	16	16	20	20	5.0	10F
SQFDQ-I a18	18	18	22	22	5.0	10F
SQFDQ-I b04	04	4	10	8	7.0	6F
SQFDQ-I b05	05	5	11	9	7.0	6F
SQFDQ-I b06	06	6	12	10	7.0	7F
SQFDQ-I b07	07	7	13	11	7.0	7F
SQFDQ-I b08	08	8	14	12	7.0	8F
SQFDQ-I b09	09	9	15	13	7.0	8F
SQFDQ-I b10	10	10	16	14	7.0	9F
SQFDQ-I b12	12	12	18	16	7.0	9F
SQFDQ-I b14	14	14	20	18	7.0	10F
SQFDQ-I b16	16	16	22	20	7.0	10F
SQFDQ-I b18	18	18	24	22	7.0	10F
SQFDQ-I c04	04	4	14	10	10.0	6F
SQFDQ-I c05	05	5	15	11	10.0	7F
SQFDQ-I c06	06	6	16	12	10.0	8F
SQFDQ-I c07	07	7	17	13	10.0	8F
SQFDQ-I c08	08	8	18	14	10.0	8F
SQFDQ-I c09	09	9	19	15	10.0	8F
SQFDQ-I c10	10	10	20	16	10.0	9F
SQFDQ-I c12	12	12	22	18	10.0	9F
SQFDQ-I c14	14	14	24	20	10.0	10F
SQFDQ-I c16	16	16	26	22	10.0	10F
SQFDQ-I c18	18	18	28	24	10.0	10F

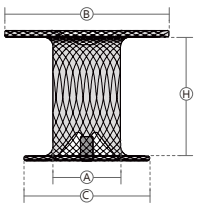
MemoPart™ Hubless Muscular VSDO



WTSQFDQ-I a



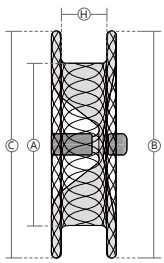
WTSQFDQ-I b



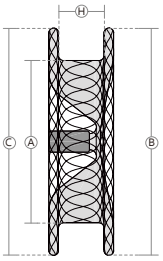
WTSQFDQ-I c

Catalogue No.	Device Size	A Waist Diameter (mm)	B LV Disc Diameter (mm)	C RV Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WTSQFDQ-I a04	04	4	8	8	5.0	6F
WTSQFDQ-I a05	05	5	9	9	5.0	6F
WTSQFDQ-I a06	06	6	10	10	5.0	7F
WTSQFDQ-I a07	07	7	11	11	5.0	7F
WTSQFDQ-I a08	08	8	12	12	5.0	8F
WTSQFDQ-I a09	09	9	13	13	5.0	8F
WTSQFDQ-I a10	10	10	14	14	5.0	9F
WTSQFDQ-I a12	12	12	16	16	5.0	9F
WTSQFDQ-I a14	14	14	18	18	5.0	10F
WTSQFDQ-I a16	16	16	20	20	5.0	10F
WTSQFDQ-I a18	18	18	22	22	5.0	10F
WTSQFDQ-I b04	04	4	10	8	7.0	6F
WTSQFDQ-I b05	05	5	11	9	7.0	6F
WTSQFDQ-I b06	06	6	12	10	7.0	7F
WTSQFDQ-I b07	07	7	13	11	7.0	7F
WTSQFDQ-I b08	08	8	14	12	7.0	8F
WTSQFDQ-I b09	09	9	15	13	7.0	8F
WTSQFDQ-I b10	10	10	16	14	7.0	9F
WTSQFDQ-I b12	12	12	18	16	7.0	9F
WTSQFDQ-I b14	14	14	20	18	7.0	10F
WTSQFDQ-I b16	16	16	22	20	7.0	10F
WTSQFDQ-I b18	18	18	24	22	7.0	10F
WTSQFDQ-I c04	04	4	14	10	10.0	6F
WTSQFDQ-I c05	05	5	15	11	10.0	7F
WTSQFDQ-I c06	06	6	16	12	10.0	8F
WTSQFDQ-I c07	07	7	17	13	10.0	8F
WTSQFDQ-I c08	08	8	18	14	10.0	8F
WTSQFDQ-I c09	09	9	19	15	10.0	8F
WTSQFDQ-I c10	10	10	20	16	10.0	9F
WTSQFDQ-I c12	12	12	22	18	10.0	9F
WTSQFDQ-I c14	14	14	24	20	10.0	10F
WTSQFDQ-I c16	16	16	26	22	10.0	10F
WTSQFDQ-I c18	18	18	28	24	10.0	10F

MemoPart™ Membranous Symmetric VSDO

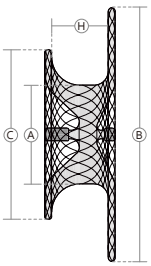


Catalogue No.	Device Size	A Waist Diameter (mm)	B LV Disc Diameter (mm)	C RV Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
SQFDQ-II b04	04	4	8	8	3.5	6F
SQFDQ-II b05	05	5	9	9	4.0	6F
SQFDQ-II b06	06	6	10	10	4.0	6F
SQFDQ-II b07	07	7	11	11	4.0	6F
SQFDQ-II b08	08	8	12	12	4.0	6F
SQFDQ-II b09	09	9	13	13	4.5	6F
SQFDQ-II b10	10	10	14	14	4.5	6F
SQFDQ-II b12	12	12	16	15	4.5	7F
SQFDQ-II b14	14	14	18	17	4.5	9F
SQFDQ-II b16	16	16	22	20	5.0	10F
SQFDQ-II b18	18	18	24	22	5.0	10F
SQFDQ-II b20	20	20	26	24	5.0	12F



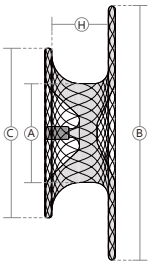
MemoPart™ Hubless Membranous Symmetric VSDO

Catalogue No.	Device Size	A Waist Diameter (mm)	B LV Disc Diameter (mm)	C RV Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WTSQFDQ-II b04	04	4	8	8	3.5	6F
WTSQFDQ-II b05	05	5	9	9	4.0	6F
WTSQFDQ-II b06	06	6	10	10	4.0	6F
WTSQFDQ-II b07	07	7	11	11	4.0	6F
WTSQFDQ-II b08	08	8	12	12	4.0	6F
WTSQFDQ-II b09	09	9	13	13	4.5	6F
WTSQFDQ-II b10	10	10	14	14	4.5	6F
WTSQFDQ-II b12	12	12	16	15	4.5	7F
WTSQFDQ-II b14	14	14	18	17	4.5	9F
WTSQFDQ-II b16	16	16	22	20	5.0	10F
WTSQFDQ-II b18	18	18	24	22	5.0	10F
WTSQFDQ-II b20	20	20	26	24	5.0	12F



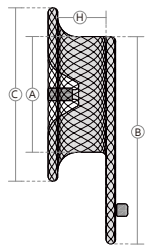
MemoPart™ Membranous Asymmetric VSDO for Multi-Fenestrated Defects

Catalogue No.	Device Size	A Waist Diameter (mm)	B LV Disc Diameter (mm)	C RV Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
SQFDQ-III 04	04	4	12	8	3.5	7F
SQFDQ-III 05	05	5	13	9	4.0	8F
SQFDQ-III 06	06	6	14	10	4.0	8F
SQFDQ-III 07	07	7	15	11	4.0	8F
SQFDQ-III 08	08	8	16	12	4.0	9F
SQFDQ-III 09	09	9	17	13	4.5	9F
SQFDQ-III 10	10	10	18	14	4.5	9F
SQFDQ-III 12	12	12	20	16	4.5	10F
SQFDQ-III 14	14	14	22	18	4.5	10F
SQFDQ-III 16	16	16	24	20	5.0	10F
SQFDQ-III 18	18	18	26	22	5.0	12F



MemoPart™ Hubless Membranous Asymmetric VSDO for Multi-Fenestrated Defects

Catalogue No.	Device Size	A Waist Diameter (mm)	B LV Disc Diameter (mm)	C RV Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WTSQFDQ-III 04	04	4	12	8	3.5	7F
WTSQFDQ-III 05	05	5	13	9	4.0	8F
WTSQFDQ-III 06	06	6	14	10	4.0	8F
WTSQFDQ-III 07	07	7	15	11	4.0	8F
WTSQFDQ-III 08	08	8	16	12	4.0	9F
WTSQFDQ-III 09	09	9	17	13	4.5	9F
WTSQFDQ-III 10	10	10	18	14	4.5	9F
WTSQFDQ-III 12	12	12	20	16	4.5	10F
WTSQFDQ-III 14	14	14	22	18	4.5	10F
WTSQFDQ-III 16	16	16	24	20	5.0	10F
WTSQFDQ-III 18	18	18	26	22	5.0	12F



MemoPart™ Zero Rim Eccentric VSDO for the Defect Close to Aortic Valve

Catalogue No.	Device Size	A Waist Diameter (mm)	B LV Disc Diameter (mm)	C RV Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
SQFDQ-IV 04	04	4	9	8	3.5	6F
SQFDQ-IV 05	05	5	10	9	3.5	7F
SQFDQ-IV 06	06	6	11	10	4.0	7F
SQFDQ-IV 07	07	7	12	11	4.0	8F
SQFDQ-IV 08	08	8	13	12	4.5	8F
SQFDQ-IV 09	09	9	14	13	5.0	9F
SQFDQ-IV 10	10	10	17	15	5.0	9F
SQFDQ-IV 12	12	12	20	18	5.0	10F
SQFDQ-IV 14	14	14	22	20	5.0	10F
SQFDQ-IV 16	16	16	24	22	5.0	10F

MemoPart™

Patent Ductus Arteriosus (PDA) Occluder CE

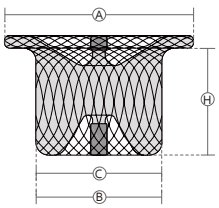
MemoPart™ PDA Occluder is a percutaneous, transcatheter device applied to the closure of patent ductus arteriosus (PDA). The retention skirt guarantees the secure positioning in the ampulla of the ductus.

Cylinder Shape
PDA Occluder

Cone Shape
PDA Occluder

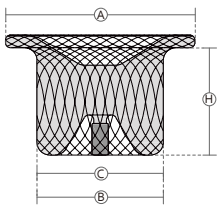
Hubless Cylinder Shape
PDA Occluder

Hubless Cone Shape
PDA Occluder



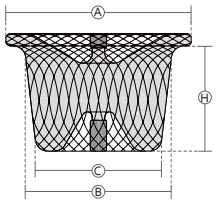
MemoPart™ Cylinder Shape PDAO

Catalogue No.	Device Size	A Aortic Disc Diameter (mm)	B Aortic Waist Diameter (mm)	C Pulmonic Waist Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WBFDQ-I 04	04	8	4	4	4.0	6F
WBFDQ-I 05	05	9	5	5	5.0	6F
WBFDQ-I 06	06	10	6	6	6.0	6F
WBFDQ-I 07	07	11	7	7	6.5	6F
WBFDQ-I 08	08	12	8	8	6.5	6F
WBFDQ-I 09	09	13	9	9	7.0	6F
WBFDQ-I 10	10	14	10	10	7.5	6F
WBFDQ-I 11	11	15	11	11	8.0	7F
WBFDQ-I 12	12	16	12	12	8.5	7F
WBFDQ-I 13	13	17	13	13	8.5	8F
WBFDQ-I 14	14	18	14	14	9.5	8F
WBFDQ-I 16	16	21	16	16	10.5	9F
WBFDQ-I 18	18	23	18	18	10.5	10F
WBFDQ-I 20	20	25	20	20	12.0	12F
WBFDQ-I 22	22	27	22	22	12.0	12F



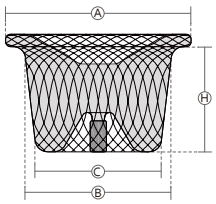
MemoPart™ Hubless Cylinder Shape PDAO

Catalogue No.	Device Size	A Aortic Disc Diameter (mm)	B Aortic Waist Diameter (mm)	C Pulmonic Waist Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WTWBFDQ-I 04	04	8	4	4	4.0	6F
WTWBFDQ-I 05	05	9	5	5	5.0	6F
WTWBFDQ-I 06	06	10	6	6	6.0	6F
WTWBFDQ-I 07	07	11	7	7	6.5	6F
WTWBFDQ-I 08	08	12	8	8	6.5	6F
WTWBFDQ-I 09	09	13	9	9	7.0	6F
WTWBFDQ-I 10	10	14	10	10	7.5	6F
WTWBFDQ-I 11	11	15	11	11	8.0	7F
WTWBFDQ-I 12	12	16	12	12	8.5	7F
WTWBFDQ-I 13	13	17	13	13	8.5	8F
WTWBFDQ-I 14	14	18	14	14	9.5	8F
WTWBFDQ-I 16	16	21	16	16	10.5	9F
WTWBFDQ-I 18	18	23	18	18	10.5	10F
WTWBFDQ-I 20	20	25	20	20	12.0	12F
WTWBFDQ-I 22	22	27	22	22	12.0	12F



MemoPart™ Cone Shape PDAO

Catalogue No.	Device Size	A Aortic Disc Diameter (mm)	B Aortic Waist Diameter (mm)	C Pulmonic Waist Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WBFDQ-II 06	0406	10	6	4	6.0	6F
WBFDQ-II 08	0608	12	8	6	6.5	6F
WBFDQ-II 10	0810	14	10	8	7.5	6F
WBFDQ-II 12	1012	16	12	10	8.5	7F
WBFDQ-II 14	1214	18	14	12	9.5	8F
WBFDQ-II 16	1416	20	16	14	10.5	9F
WBFDQ-II 18	1618	23	18	16	10.5	10F
WBFDQ-II 20	1820	25	20	18	12.0	12F
WBFDQ-II 22	2022	27	22	20	12.0	12F



MemoPart™ Hubless Cone Shape PDAO

Catalogue No.	Device Size	A Aortic Disc Diameter (mm)	B Aortic Waist Diameter (mm)	C Pulmonic Waist Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WTWBFDQ-II 06	0406	10	6	4	6.0	6F
WTWBFDQ-II 08	0608	12	8	6	6.5	6F
WTWBFDQ-II 10	0810	14	10	8	7.5	6F
WTWBFDQ-II 12	1012	16	12	10	8.5	7F
WTWBFDQ-II 14	1214	18	14	12	9.5	8F
WTWBFDQ-II 16	1416	20	16	14	10.5	9F
WTWBFDQ-II 18	1618	23	18	16	10.5	10F
WTWBFDQ-II 20	1820	25	20	18	12.0	12F
WTWBFDQ-II 22	2022	27	22	20	12.0	12F

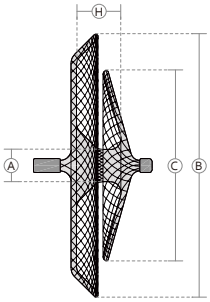
MemoPart™

Patent Foramen Ovale (PFO) Occluder CE

MemoPart™ PFO Occluder is a percutaneous, transcatheter device applied to the closure of patent foramen ovale (PFO) for patients with the history of stroke, or the transient ischemic attacks (TIAs).

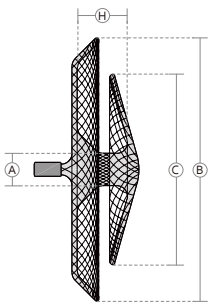
PFO Occluder

Hubless PFO Occluder



MemoPart™ PFOO

Catalogue No.	Device Size	A Waist Diameter (mm)	B RA Disc Diameter (mm)	C LA Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
LYKFDQ-I 1818	1818	3.5	18	18	6.0	9F
LYKFDQ-I 1824	1824	4.0	24	18	7.0	9F
LYKFDQ-I 2424	2424	4.0	24	24	7.0	9F
LYKFDQ-I 2228	2228	4.5	28	22	7.0	10F
LYKFDQ-I 2828	2828	4.5	28	28	7.0	10F
LYKFDQ-I 2534	2534	5.0	34	25	7.0	12F
LYKFDQ-I 3434	3434	5.0	34	34	7.0	12F



MemoPart™ Hubless PFOO

Catalogue No.	Device Size	A Waist Diameter (mm)	B RA Disc Diameter (mm)	C LA Disc Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WTLYKFDQ-I 1818	1818	3.5	18	18	6.0	9F
WTLYKFDQ-I 1824	1824	4.0	24	18	7.0	9F
WTLYKFDQ-I 2424	2424	4.0	24	24	7.0	9F
WTLYKFDQ-I 2228	2228	4.5	28	22	7.0	10F
WTLYKFDQ-I 2828	2828	4.5	28	28	7.0	10F
WTLYKFDQ-I 2534	2534	5.0	34	25	7.0	12F
WTLYKFDQ-I 3434	3434	5.0	34	34	7.0	12F

MemoPart™

Plug

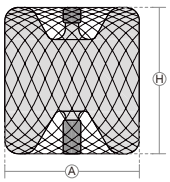
MemoPart™ Plug is a percutaneous, transcatheter device applied to the closure of a wide variety of veins and arteries, reducing or eliminating blood flow by blocking the target vessel. The vascular plug can be used for the patients with clinical symptoms of abnormal blood vessels, such as:

- Aortopulmonary collaterals
- Arteriovenous malformation
- Surgical aortopulmonary shunts
- Anomalous venovenous connections
- Arteriovenous fistulas
- Peripheral vessels

Vascular Plug

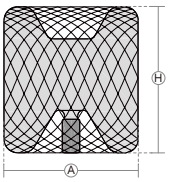
Hubless Vascular Plug

MemoPart™ Plug



Catalogue No.	Device Size	A Waist Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
XGSFDQ-I 04	04	4	5.0	6F
XGSFDQ-I 06	06	6	6.5	6F
XGSFDQ-I 08	08	8	7.5	6F
XGSFDQ-I 10	10	10	8.5	6F
XGSFDQ-I 12	12	12	9.5	7F
XGSFDQ-I 14	14	14	10.5	7F
XGSFDQ-I 16	16	16	11.0	8F
XGSFDQ-I 18	18	18	11.0	9F
XGSFDQ-I 20	20	20	12.0	10F
XGSFDQ-I 22	22	22	13.0	10F

MemoPart™ Hubless Plug



Catalogue No.	Device Size	A Waist Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
WTXGSFDQ-I 04	04	4	5.0	6F
WTXGSFDQ-I 06	06	6	6.5	6F
WTXGSFDQ-I 08	08	8	7.5	6F
WTXGSFDQ-I 10	10	10	8.5	6F
WTXGSFDQ-I 12	12	12	9.5	7F
WTXGSFDQ-I 14	14	14	10.5	7F
WTXGSFDQ-I 16	16	16	11.0	8F
WTXGSFDQ-I 18	18	18	11.0	9F
WTXGSFDQ-I 20	20	20	12.0	10F
WTXGSFDQ-I 22	22	22	13.0	10F

MemoPart™

Snare CE

MemoPart™ Snare is composed by Nitinol coated Tungsten coil and the Nitinol shaft, which provides great radiopacity, biocompatibility and shape memory ability. This is a widely used device to:

- Establish the femoral artery-vein loop
- Retrieve the dislocated occluder
- Retrieve stent or guide wire
- Retrieve the blood filter
- Help with control navigation, etc.

Catalogue No.	Effective Length (mm)	Diameter of Snare Circle (mm)	Angle
Snare-15	1240	15	90°
Snare-20	1240	20	90°

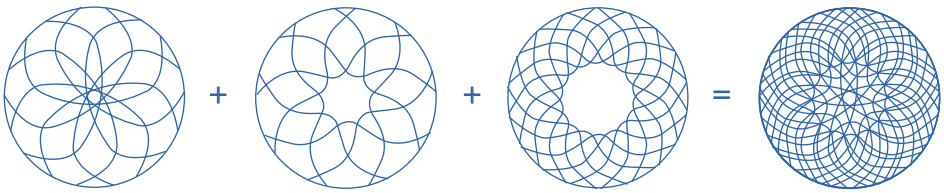
MemoCarna®

Single hub design

- MemoCarna ASD device uses a unique datura-shaped braided technique that results in faster endothelialization after release, flatter discs, and less impact on blood flow.

- **Dature-shape braiding technology**

  The combination of a three-layer pattern and two sets of rotations ensures proper disc flexibility and stability of the frame structure.



Decreased metal implantation ——— Easy to release and withdraw ——— More flat disc

- **Decreased metal implantation**

  Compared with traditional hub bundle occluder devices, Dature-shape braiding disks average weigh lighter by 25%, reduce heart burden; Occluder device average height decreases 4mm, especially friendly for pediatrics.

- **Easy to release and withdraw**

  Flower-shape occluder tip makes the occluder softer and safer when push occluder out of delivery system.

- Average force will be dispersed among nitinol wires when withdraw.

More flat disc

No hub on the left disc, concave design and flat surface, effectively reduce thrombosis and facilitate endothelialization.

↓25%
reduction of average weigh

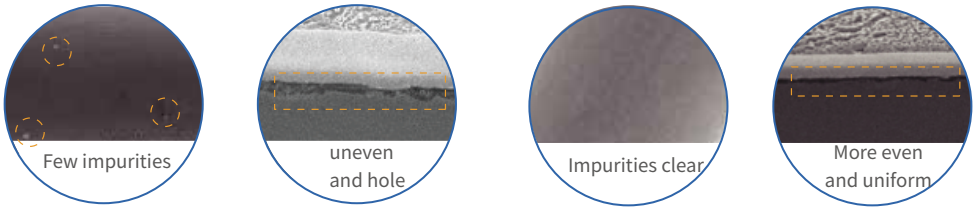
Treatment technique on oxide surface

¤ MemoCarna ASD device adopts advanced surface treatment technology, forming uniform and even oxide layer while removing impurities. Nickle ions release is effectively reduced and delivery performance is enhanced.

¤ Material with oxidation surface treatment technology

Surface impurity removal, smooth and good biocompatibility

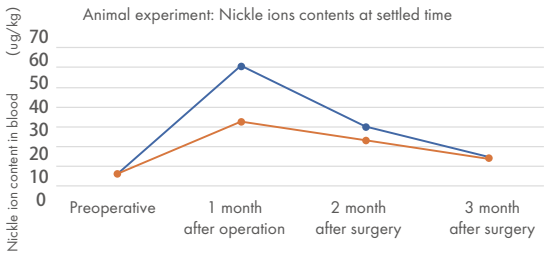
Section SEM image without heat treatment for nitinol wire



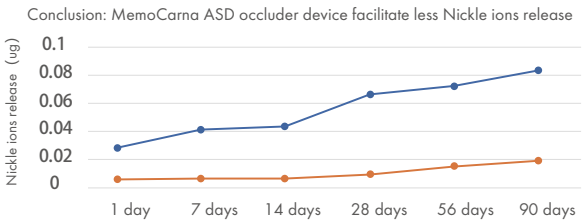
Less Nickle ions release ——————————— Excellent deliverability

Reduced Nickle ions release

Uniform and even oxide film forms on Nitinol wires after heat treatment, Nickle ions release is reduced efficiently.



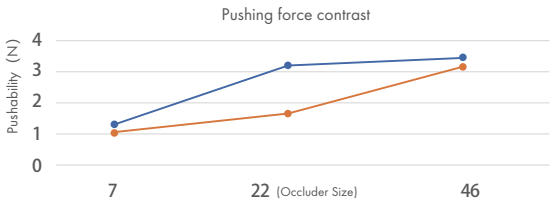
In vitro experiment: Nickle ions release

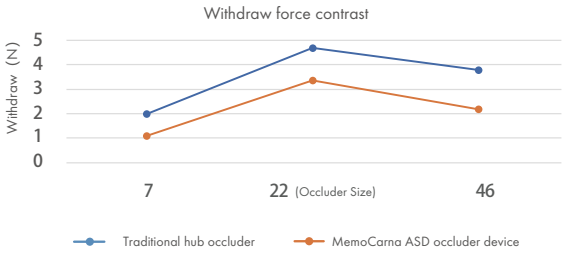


CDRH suggests permitted Nickle ions concentration in stomach is less than 0.5ug/kg/day

Excellent delivery performance

Surface treatment technology helps clear impurities, achieves smooth surface and excellent deliverability. Experiment proves decreased pushability by 25%, and easier withdraw by 39%.





MemoCarna®

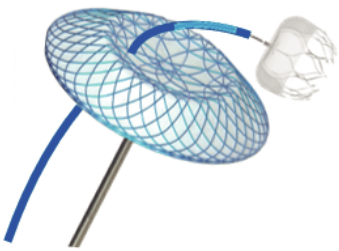
Atrial Septal Defect (ASD) Occluder

Special flower pattern on the left disc, leaving room for atrial septal puncture in the later stage.

Special pattern on the left disc of the oxide film ASD occluder , the gaps among the disc wires preserve a pathway for future transseptal treatments. Does not affect other percutaneous intervention procedures.

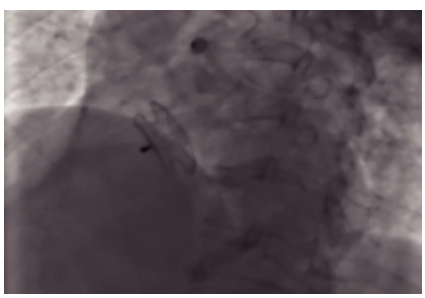
Atrial fibrillation ablation

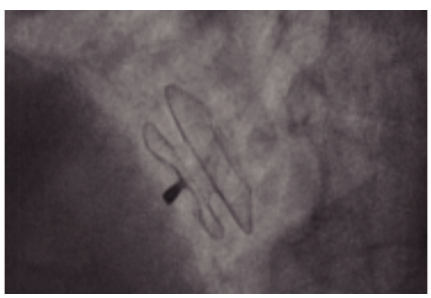
Left atrial appendage occlusion



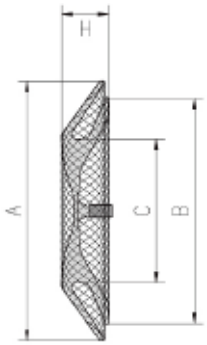
Ensure the original good clamping performance and forming performance.

Oxide film single hub ASD occluder, realizes the special pattern weaving of the left disc to replace the original hub head, while maintaining the original good clamping performance and forming performance, ensuring the stability and safety of the occlusion.

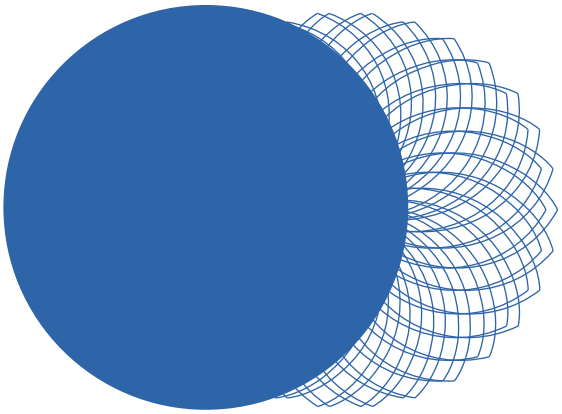




Atrial Septal Defect (ASD) Occluder



Catalogue No.	Device Size	A Left Atrium (LA) Disc Diameter (mm)	B Right Atrium (RA) Disc Diameter (mm)	C Connecting Waist Diameter (mm)	H Height (mm)	Smallest Recommended Sheath Size
DMFQFDQ-I04	04	18.0±1.0	14.0±1.0	4.0±0.5	5.5±1.0	7F
DMFQFDQ-I05	05	19.0±1.0	15.0±1.0	5.0±0.5	5.5±1.0	7F
DMFQFDQ-I06	06	20.0±1.0	16.0±1.0	6.0±0.5	5.5±1.0	7F
DMFQFDQ-I07	07	21.0±1.0	17.0±1.0	7.0±0.5	5.5±1.0	8F
DMFQFDQ-I08	08	22.0±1.0	18.0±1.0	8.0±0.5	5.5±1.0	8F
DMFQFDQ-I09	09	23.0±1.0	19.0±1.0	9.0±0.5	5.5±1.0	8F
DMFQFDQ-I10	10	24.0±1.0	20.0±1.0	10.0±0.5	5.5±1.0	8F
DMFQFDQ-I11	11	25.0±1.3	21.0±1.3	11.0±0.5	5.5±1.0	9F
DMFQFDQ-I12	12	26.0±1.3	22.0±1.3	12.0±0.5	5.5±1.0	9F
DMFQFDQ-I13	13	27.0±1.3	23.0±1.3	13.0±0.5	5.5±1.0	9F
DMFQFDQ-I14	14	28.0±1.3	24.0±1.3	14.0±0.5	5.5±1.0	9F
DMFQFDQ-I15	15	29.0±1.3	25.0±1.3	15.0±0.5	5.5±1.0	9F
DMFQFDQ-I16	16	30.0±1.5	26.0±1.5	16.0±0.5	5.5±1.0	10F
DMFQFDQ-I17	17	31.0±1.5	27.0±1.5	17.0±0.5	5.5±1.0	10F
DMFQFDQ-I18	18	32.0±1.5	28.0±1.5	18.0±0.5	5.5±1.0	10F
DMFQFDQ-I19	19	33.0±1.5	29.0±1.5	19.0±0.5	5.5±1.0	10F
DMFQFDQ-I20	20	34.0±1.5	30.0±1.5	20.0±1.0	5.5±1.0	10F
DMFQFDQ-I22	22	36.0±1.5	32.0±1.5	22.0±1.0	5.5±1.0	10F
DMFQFDQ-I24	24	38.0±1.5	34.0±1.5	24.0±1.0	6.0±1.0	12F
DMFQFDQ-I26	26	40.0±1.5	36.0±1.5	26.0±1.0	6.0±1.0	12F
DMFQFDQ-I28	28	42.0±1.5	38.0±1.5	28.0±1.0	6.0±1.0	12F
DMFQFDQ-I30	30	44.0±1.5	40.0±1.5	30.0±1.0	6.0±1.0	12F
DMFQFDQ-I32	32	46.0±1.5	42.0±1.5	32.0±1.0	6.0±1.0	12F
DMFQFDQ-I34	34	48.0±1.5	44.0±1.5	34.0±1.0	6.0±1.0	14F
DMFQFDQ-I36	36	52.0±1.5	46.0±1.5	36.0±1.0	6.0±1.0	14F
DMFQFDQ-I38	38	54.0±1.5	50.0±1.5	38.0±1.0	6.0±1.0	14F
DMFQFDQ-I40	40	56.0±1.5	52.0±1.5	40.0±1.0	6.0±1.0	14F

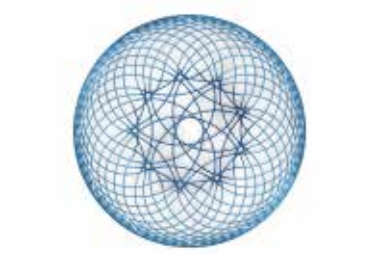


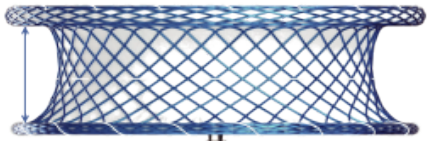
MemoCarna®

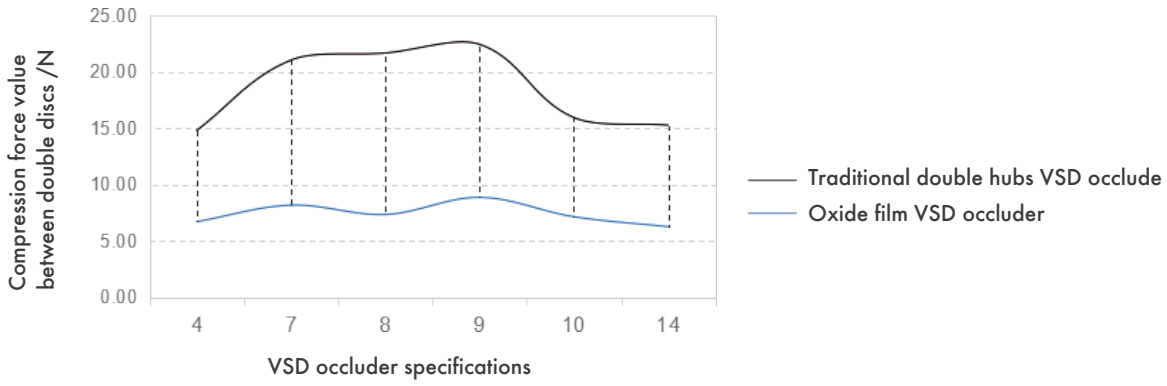
Ventricular Septal Defect (VSD) Occluder

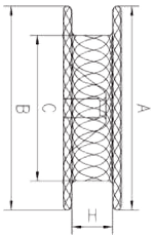
The disc surface is softer, reducing the occurrence of atrioventricular block.

The left disc of the oxide film VSD is replaced by a special woven pattern instead of the original hub head, which makes the plate surface softer, reduces the pressure on the ventricular septum, and reduces the probability of atrioventricular block.



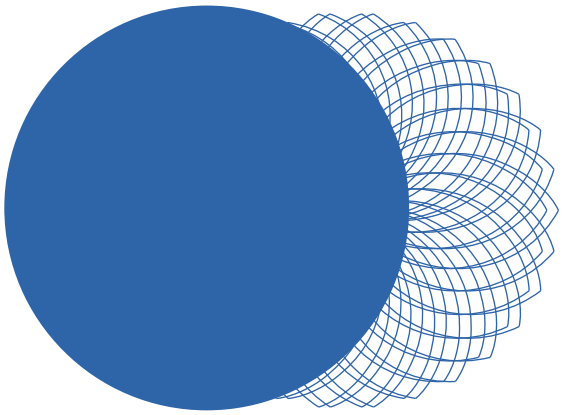






Ventricular Septal Defect (VSD) Occluder

Catalogue No.	Device Size	A LV Disc Diameter (mm)	B RV Disc Diameter (mm)	C Waist Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
DMSQFDQ-II 04	04	9.0±1.2	8.0±0.8	4±0.3	4±1.0	6F
DMSQFDQ-II 05	05	10.0±1.2	9.0±0.8	5±0.3	4±1.0	6F
DMSQFDQ-II 06	06	11.0±1.2	10.0±0.8	6±0.3	4±1.0	6F
DMSQFDQ-II 07	07	12.0±1.2	11.0±0.8	7±0.3	4±1.0	6F
DMSQFDQ-II 08	08	13.0±1.2	12.0±1.0	8±0.3	4±1.0	6F
DMSQFDQ-II 09	09	14.0±1.2	13.0±1.0	9±0.3	5±1.0	7F
DMSQFDQ-II 10	10	15.0±1.2	14.0±1.0	10±0.3	5±1.0	8F
DMSQFDQ-II 11	11	16.0±1.5	15.0±1.0	11±0.5	5±1.0	8F
DMSQFDQ-II 12	12	17.0±1.5	16.0±1.5	12±0.5	5±1.0	8F
DMSQFDQ-II 13	13	18.0±1.5	17.0±1.5	13±0.5	5±1.0	8F
DMSQFDQ-II 14	14	19.0±1.5	18.0±1.5	14±0.5	5±1.0	9F
DMSQFDQ-II 15	15	20.0±1.5	19.0±1.5	15±0.5	5±1.0	9F
DMSQFDQ-II 16	16	22.0±1.5	20.0±1.5	16±0.5	5±1.0	10F



MemoCarna®

Patent Ductus Arteriosus (PDA) Occluder

There is no hub on the left disc, which does not affect the aortic blood flow.

After release, the disc surface of the aortic end was smooth without hub protrusion, and the overall height was reduced by 4mm, without affecting the aortic blood flow, accelerating endothelialization and reducing the related complications.

The flow resistance membrane is upgraded, the weaving is more compact, and the effect of immediate blocking of blood flow is better.

180%

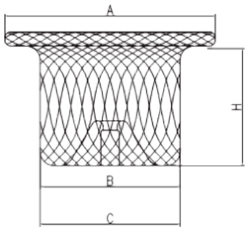
Compared with the original occluder,
the water penetration resistance is improved

The newly upgraded membrane is more densely woven. Tests have shown that its impermeability is about 180% higher than that of the first-generation occluder. It has a better effect of immediate blocking of blood flow and effectively reduces the occurrence of residual shunts.

Improve the delivery performance, can pass through a smaller sheath, more suitable for pediatric patients

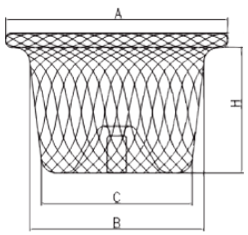
The smallest can pass through a sheath with an inner diameter of 1.8 mm

Patent Ductus Arteriosus (PDA) Occluder



Catalogue No.	Device Size	A Aortic Disc Diameter (mm)	B Aortic Waist Diameter (mm)	C Pulmonic Waist Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
DMWBFDQ-I 04	04	7.0±1.0	4.0±0.4	4.0±0.4	4.5±0.8	6F
DMWBFDQ-I 05	05	8.0±1.0	5.0±0.4	5.0±0.4	4.5±0.8	6F
DMWBFDQ-I 06	06	9.0±1.0	6.0±0.4	6.0±0.4	5.0±0.8	6F
DMWBFDQ-I 07	07	10.0±1.0	7.0±0.4	7.0±0.4	6.0±1.0	7F
DMWBFDQ-I 08	08	11.0±1.0	8.0±0.4	8.0±0.4	6.0±1.0	7F
DMWBFDQ-I 09	09	12.0±1.0	9.0±0.4	9.0±0.4	6.5±1.0	7F
DMWBFDQ-I 10	10	14.0±1.0	10.0±0.4	10.0±0.4	7.0±1.0	7F
DMWBFDQ-I 11	11	15.0±1.3	11.0±0.4	11.0±0.4	7.5±1.0	7F
DMWBFDQ-I 12	12	16.0±1.3	12.0±0.4	12.0±0.4	8.0±1.0	7F
DMWBFDQ-I 13	13	17.0±1.3	13.0±0.4	13.0±0.4	8.5±1.0	8F
DMWBFDQ-I 14	14	18.0±1.3	14.0±0.4	14.0±0.4	9.0±1.0	8F
DMWBFDQ-I 16	16	21.0±1.5	16.0±0.8	16.0±0.8	10.0±1.5	9F
DMWBFDQ-I 18	18	23.0±1.5	18.0±0.8	18.0±0.8	10.5±1.5	10F
DMWBFDQ-I 20	20	25.0±1.5	20.0±0.8	20.0±0.8	12.0±1.5	12F
DMWBFDQ-I 22	22	27.0±1.5	22.0±0.8	22.0±0.8	12.5±1.5	12F

Patent Ductus Arteriosus (PDA) Occluder



Catalogue No.	Device Size	A Aortic Disc Diameter (mm)	B Aortic Waist Diameter (mm)	C Pulmonic Waist Diameter (mm)	H Waist Length (mm)	Smallest Recommended Sheath Size
DMWBFDQ-II 04	04	7.0±1.0	4.0±0.4	3.0±0.4	4.5±0.8	6F
DMWBFDQ-II 05	05	8.0±1.0	5.0±0.4	4.0±0.4	4.5±0.8	6F
DMWBFDQ-II 06	06	9.0±1.0	6.0±0.4	4.0±0.4	5.0±0.8	6F
DMWBFDQ-II 07	07	10.0±1.0	7.0±0.4	5.0±0.4	6.0±1.0	7F
DMWBFDQ-II 08	08	11.0±1.0	8.0±0.4	6.0±0.4	6.0±1.0	7F
DMWBFDQ-II 09	09	12.0±1.0	9.0±0.4	7.0±0.4	6.5±1.0	7F
DMWBFDQ-II 10	10	14.0±1.0	10.0±0.4	8.0±0.4	7.0±1.0	7F
DMWBFDQ-II 11	11	15.0±1.3	11.0±0.4	9.0±0.4	7.5±1.0	7F
DMWBFDQ-II 12	12	16.0±1.3	12.0±0.4	10.0±0.4	8.0±1.0	7F
DMWBFDQ-II 13	13	17.0±1.3	13.0±0.4	11.0±0.4	8.5±1.0	8F
DMWBFDQ-II 14	14	18.0±1.3	14.0±0.4	12.0±0.4	9.0±1.0	8F
DMWBFDQ-II 16	16	21.0±1.5	16.0±0.8	13.0±0.4	10.0±1.5	9F
DMWBFDQ-II 18	18	23.0±1.5	18.0±0.8	14.0±0.4	10.5±1.5	10F
DMWBFDQ-II 20	20	25.0±1.5	20.0±0.8	18.0±0.8	12.0±1.5	12F
DMWBFDQ-II 22	22	27.0±1.5	22.0±0.8	20.0±0.8	12.5±1.5	12F

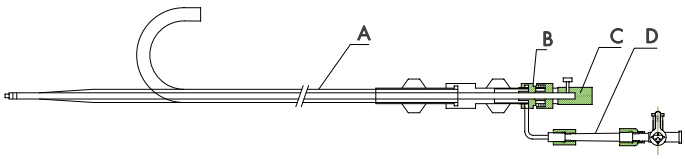
MemoPart™

Occluder Delivery System I CE

- Two different lengths of the sheath for adults and children.
- Anti-kink delivery system is also available for VSD occluders.

The delivery system includes:

Loader (1)
Long Sheath (1)
Dilator (1)
Pusher (1)
Y-connector with tubing (1)



A: Long Sheath B: Dilator C: Pusher D: Y-connector with tubing

MemoPart™ Delivery System for Adult ASDO and PFOO

Catalogue No.	Loader		Long Sheath			Dilator	Pusher	
	ID (mm)	Effective Length (mm)	ID (mm)	Effective Length (mm)	Angle	Effective Length (mm)	Effective Length (mm)	Diameter (mm)
ODS-A-I-5F*	5F/1.85	130	5F/1.85	800	45°	920	1200	1.4
ODS-A-I-6F*	6F/2.0	130	6F/2.0	800	45°	920	1200	1.6
ODS-A-I-7F	7F/2.33	130	7F/2.33	800	45°	920	1200	1.8
ODS-A-I-8F	8F/2.67	130	8F/2.67	800	45°	920	1200	1.8
ODS-A-I-9F	9F/3.0	130	9F/3.0	800	45°	920	1200	1.8
ODS-A-I-10F	10F/3.33	130	10F/3.33	800	45°	920	1200	1.9
ODS-A-I-12F	12F/4.0	160	12F/4.0	800	45°	920	1200	2.0
ODS-A-I-14F	14F/4.67	160	14F/4.67	800	45°	920	1200	2.0

*Please contact the sales for detailed information before placing the order.

MemoPart™ Delivery System for Adult VSDO, PDAO and Plug

Catalogue No.	Loader		Long Sheath			Dilator	Pusher	
	ID (mm)	Effective Length (mm)	ID (mm)	Effective Length (mm)	Angle	Effective Length (mm)	Effective Length (mm)	Diameter (mm)
ODS-P/V-II-5F	5F/1.85	130	5F/1.85	800	180°	920	1200	1.4
ODS-P/V-II-6F	6F/2.0	130	6F/2.0	800	180°	920	1200	1.6
ODS-P/V-II-7F	7F/2.33	130	7F/2.33	800	180°	920	1200	1.8
ODS-P/V-II-8F	8F/2.67	130	8F/2.67	800	180°	920	1200	1.8
ODS-P/V-II-9F	9F/3.0	130	9F/3.0	800	180°	920	1200	1.8
ODS-P/V-II-10F	10F/3.33	130	10F/3.33	800	180°	920	1200	1.9
ODS-P/V-II-12F	12F/4.0	160	12F/4.0	800	180°	920	1200	2.0
ODS-P/V-II-14F	14F/4.67	160	14F/4.67	800	180°	920	1200	2.0

MemoPart™ Delivery System for Children ASDO and PFOO

Catalogue No.	Loader		Long Sheath			Dilator	Pusher	
	ID (mm)	Effective Length (mm)	ID (mm)	Effective Length (mm)	Angle	Effective Length (mm)	Effective Length (mm)	Diameter (mm)
ODS-A-III-5F*	5F/1.85	130	5F/1.85	600	45°	680	1200	1.4
ODS-A-III-6F*	6F/2.0	130	6F/2.0	600	45°	680	1200	1.6
ODS-A-III-7F	7F/2.33	130	7F/2.33	600	45°	680	1200	1.8
ODS-A-III-8F	8F/2.67	130	8F/2.67	600	45°	680	1200	1.8
ODS-A-III-9F	9F/3.0	130	9F/3.0	600	45°	680	1200	1.8
ODS-A-III-10F	10F/3.33	130	10F/3.33	600	45°	680	1200	1.9
ODS-A-III-12F	12F/4.0	160	12F/4.0	600	45°	680	1200	2.0
ODS-A-III-14F	14F/4.67	160	14F/4.67	600	45°	680	1200	2.0

*Please contact the sales for detailed information before placing the order.

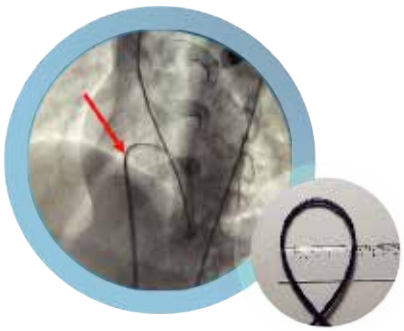
MemoPart™ Delivery System for Children VSDO, PDAO and Plug

Catalogue No.	Loader		Long Sheath			Dilator	Pusher	
	ID (mm)	Effective Length (mm)	ID (mm)	Effective Length (mm)	Angle	Effective Length (mm)	Effective Length (mm)	Diameter (mm)
ODS-P/V-IV-5F	5F/1.85	130	5F/1.85	600	180°	680	1200	1.4
ODS-P/V-IV-6F	6F/2.0	130	6F/2.0	600	180°	680	1200	1.6
ODS-P/V-IV-7F	7F/2.33	130	7F/2.33	600	180°	680	1200	1.8
ODS-P/V-IV-8F	8F/2.67	130	8F/2.67	600	180°	680	1200	1.8
ODS-P/V-IV-9F	9F/3.0	130	9F/3.0	600	180°	680	1200	1.8
ODS-P/V-IV-10F	10F/3.33	130	10F/3.33	600	180°	680	1200	1.9
ODS-P/V-IV-12F	12F/4.0	160	12F/4.0	600	180°	680	1200	2.0
ODS-P/V-IV-14F	14F/4.67	160	14F/4.67	600	180°	680	1200	2.0

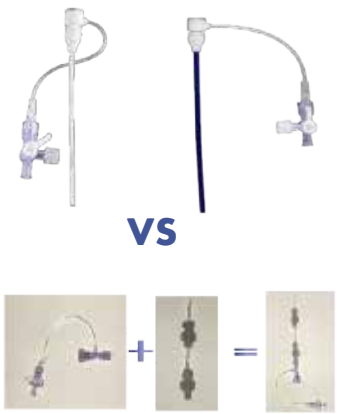
MemoPart™

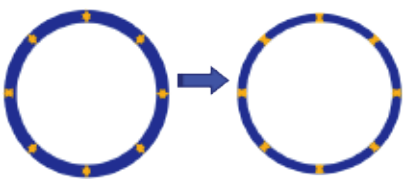
Occluder Delivery System II

- Three-layer composite catheter increases sheath bending resistance and suitable for tortuous paths.
- Stainless steel woven wire to increase visibility of the catheter.



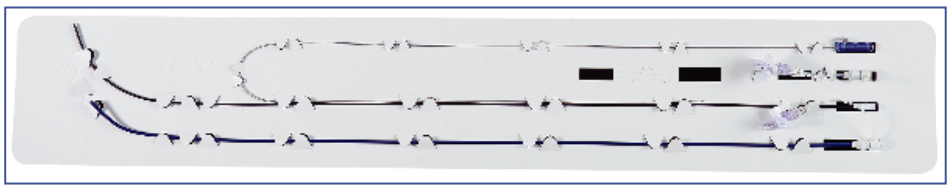
- Integrated hemostatic valve design: More convenient operation.
- Additional hemostatic valve at the delivery sheath to reduce intraoperative blood leakage.





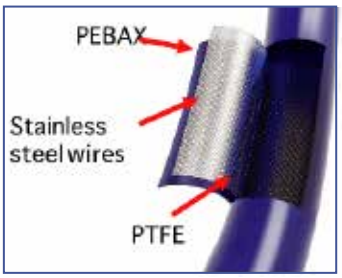
- Larger inner diameter, thinner wall, better conveying performance.

Delivery System II for ASD and PFO Occluders

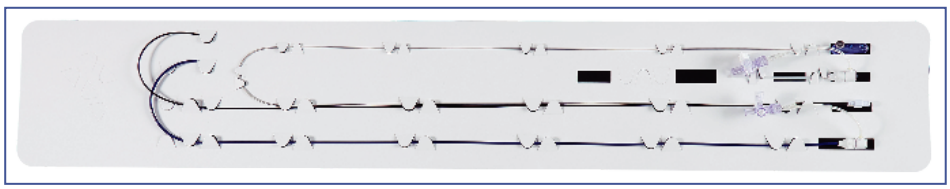


Delivery System II for ASD and PFO Occluders

Catalogue No.	Loader		Long sheath		Dilator	
	I.D. (mm)	Effective Length (mm)	I.D. (mm)	Effective Length (mm)	Angle	Effective Length (mm)
ASD-6F	2.05±0.06	100±30	2.16±0.06	850±50	45°	900±50
ASD-7F	2.38±0.06	100±30	2.49±0.06	850±50	45°	900±50
ASD-8F	2.70±0.06	100±30	2.84±0.06	850±50	45°	900±50
ASD-9F	3.02±0.06	100±30	3.18±0.06	850±50	45°	900±50
ASD-10F	3.35±0.06	130±30	3.48±0.06	850±50	45°	900±50
ASD-12F	4.04±0.06	130±30	4.18±0.06	850±50	45°	900±50
ASD-14F	2.05±0.06	160±30	4.84±0.06	850±50	45°	900±50

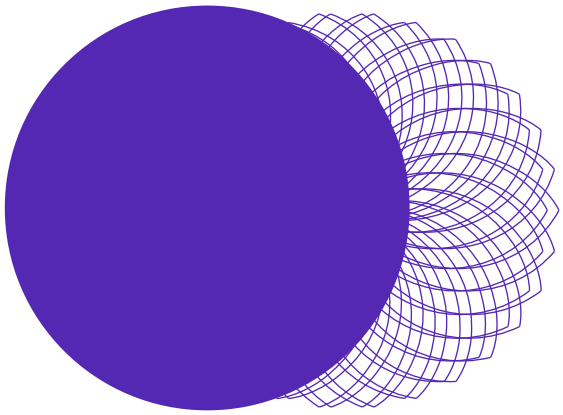


Delivery System II for VSD,PDA and Plug Occluders



Delivery System II for VSD,PDA and Plug Occluders

Catalogue No.	Loader		Long sheath		Dilator	
	I.D. (mm)	Effective Length (mm)	I.D. (mm)	Effective Length (mm)	Angle	Effective Length (mm)
PN-6F	2.05±0.06	100±30	2.16±0.06	850±50	180°	900±50
PN-7F	2.38±0.06	100±30	2.49±0.06	850±50	180°	900±50
PN-8F	2.70±0.06	100±30	2.84±0.06	850±50	180°	900±50
PN-9F	3.02±0.06	100±30	3.18±0.06	850±50	180°	900±50
PN-10F	3.35±0.06	130±30	3.48±0.06	850±50	180°	900±50
PN-12F	4.04±0.06	130±30	4.18±0.06	850±50	180°	900±50
PN-14F	2.05±0.06	160±30	4.84±0.06	850±50	180°	900±50



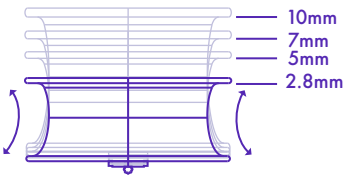
MemoSorb®

Biodegradable Occluder System (VSD) Occluder

Waist drum structure

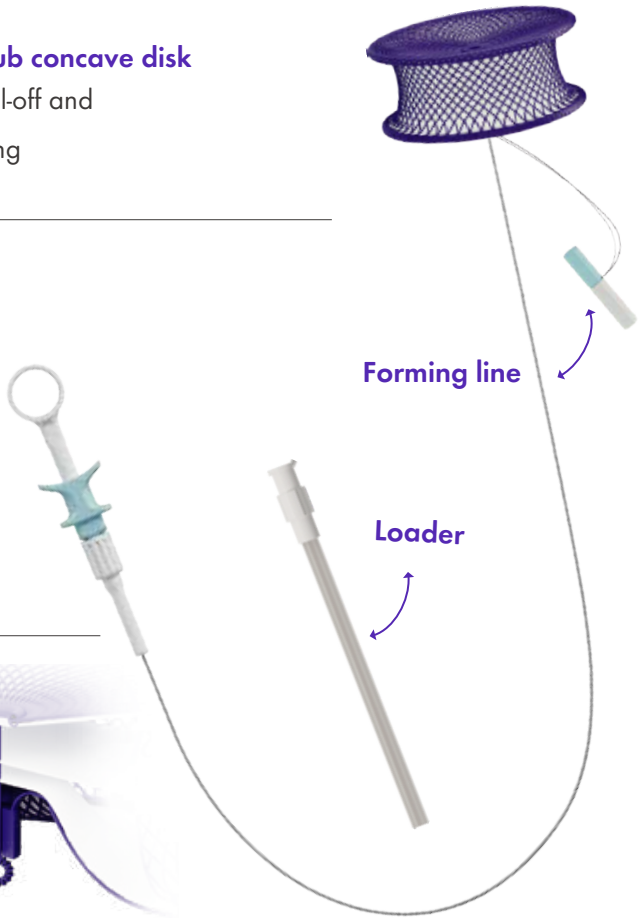
Symmetric wide rim + single-hub concave disk

- Firm attachment, preventing fall-off and facilitating endothelial wrapping



Multiple waist heights + waist curves

- Attachment to lesion site and reductions in compression, abrasion and long-term risk

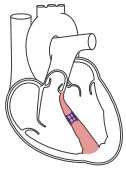


Patented latch fastener for shaping

Patent No.: CN212326463U

Form stability ensured after release and adaptation to myocardial tissue motion

With 40 specifications and models, these fasteners can fully meet the clinical needs



Multi-model design, matching myocardial thickness

4 waist heights: 2.8mm, 5mm, 7mm, and 10mm

10 waist diameters: 4-16mm

MemoSorb® (VSD) Occluder

Distal crocodile clamp jaws
Ensure firm clamping

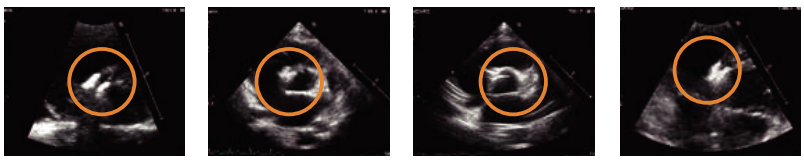
The occluder is encircled and firmly connected, thus it is easy to deliver and withdraw

Locking control handle
Ensure safe delivery

Push-pull design controls the opening and closing of the distal jaws to facilitate the operator

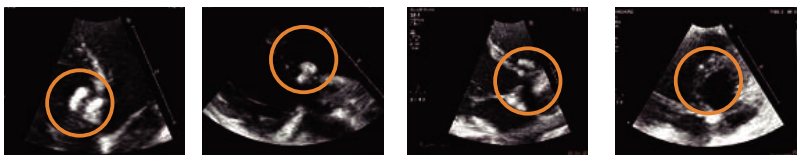
Threaded locking device locks the jaw connection to ensure safe push
Loader

Clinical trial results 100% occlusion and autologous tissue reconstruction are achieved through 12-month effective degradation and controlled release



1 month after operation | 3 month after operation | 6 month after operation | 12 month after operation

Under ultrasound - control group
Metal occluder marketed



1 month after operation | 3 month after operation | 6 month after operation | 12 month after operation

Under ultrasound - test group
Biodegradable occluder

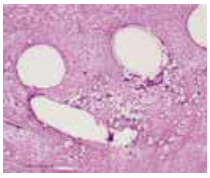
1 month after operation | 3 month after operation | 6 month after operation | 12 month after operation

3D simulated degradation process

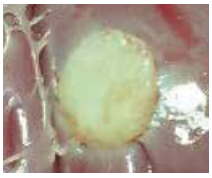
MemoSorb® (VSD) Occluder

Experimental results of anima The results of HE staining slices show that the materials are not degraded with white pores (unable to be stained)

1 month after operation



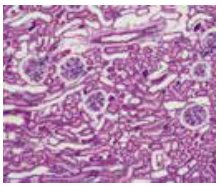
Undegradable (local)



3 month after operation

Undegradable (overall)

6 month after operation



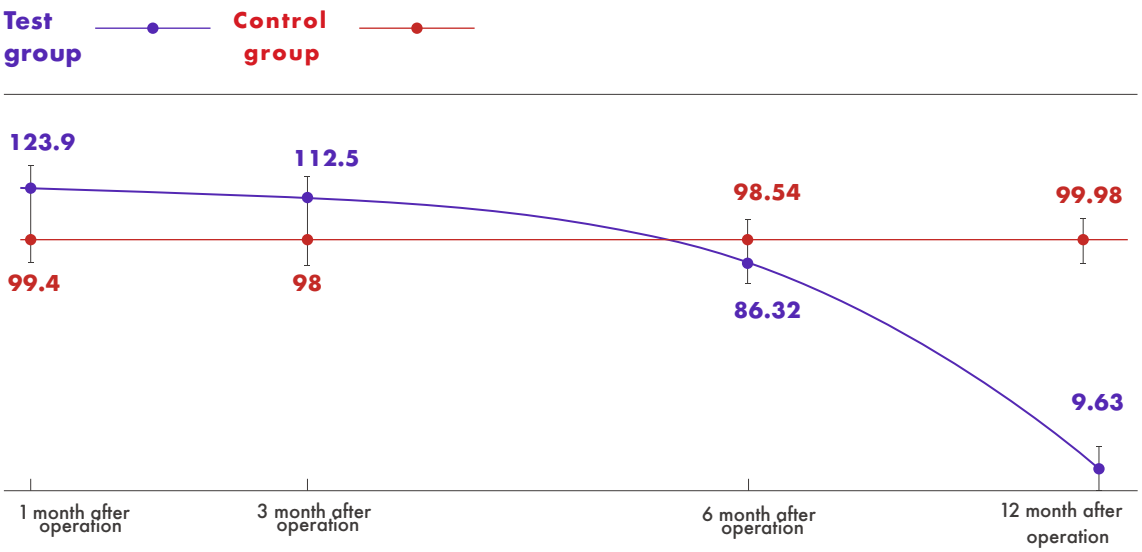
Tissue filling site after degradation (local)

12 month after operation

Tissue filling site after wire degradation (overall)

Biodegradable occluder (test group) and metal occluder (control group)

Ultrasonically measure change trend of occluder area (mm2)

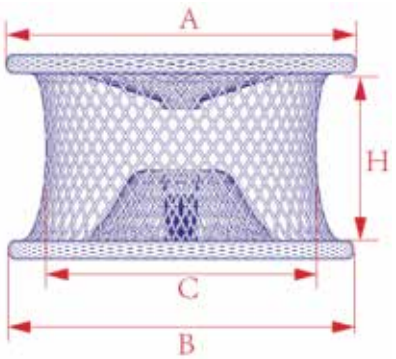


- At 1, 3, 6, and 12 months after implantation of the biodegradable occluder, the success rate of occlusion was 100%, respectively, and its curative effect was the same as that of the metal occluder.
- At 1 months and 3 months after operation, ultrasound examination showed that the occluder had clear development without a significant dimension difference. At 6 months after operation, the occluder began to degrade gradually with the area decreased significantly. At 12 months after operation, the occluder was completely degraded and replaced by autologous tissue, and its area was obviously reduced to disappear, and new tissues around the occluder could be observed through ultrasound examination.

MemoSorb®

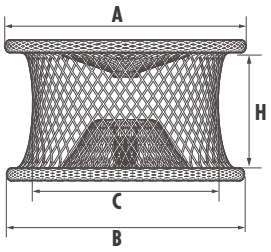
Biodegradable Occluder System (VSD) Occluder

MemoSorb® Biodegradable Occluder design of effective biodegradation control and release within 12 months - ensure safe biodegradation and achieve permanent occlusion of autologous tissue. The densely-weaved mesh + design of concave single rivet - benefit to endothelialization and reduce the incidence of thrombus. The symmetrical wide edge + patented shaping lock design - ensure adherence, shaping, stability and prevent detachment.



MemoSorb® (VSD) Occluder

Specification and basic dimension of biodegradable occluder



Model & specification	Diameter of upper disk (A)	Diameter of lower disk (B)	Waist diameter (C)	Height (H)
ABFDQ-I 04	9.0±1.0	9.0±1.0	4.0±1.0	2.8±1.0
ABFDQ-I 05	10.0±1.0	10.0±1.0	5.0±1.0	2.8±1.0
ABFDQ-I 06	11.0±1.0	11.0±1.0	6.0±1.0	2.8±1.0
ABFDQ-I 07	12.0±1.0	12.0±1.0	7.0±1.0	2.8±1.0
ABFDQ-I 08	13.0±1.0	13.0±1.0	8.0±1.0	2.8±1.0
ABFDQ-I 09	14.0±1.2	14.0±1.2	9.0±1.2	2.8±1.0
ABFDQ-I 10	15.0±1.2	15.0±1.2	10.0±1.2	2.8±1.0
ABFDQ-I 12	18.0±1.5	18.0±1.5	12.0±1.5	2.8±1.0
ABFDQ-I 14	20.0±1.5	20.0±1.5	14.0±1.5	2.8±1.0
ABFDQ-I 16	22.0±1.5	22.0±1.5	16.0±1.5	2.8±1.0
ABFDQ-II 04	9.0±1.0	9.0±1.0	4.0±1.0	5.0±1.0
ABFDQ-II 05	10.0±1.0	10.0±1.0	5.0±1.0	5.0±1.0
ABFDQ-II 06	11.0±1.0	11.0±1.0	6.0±1.0	5.0±1.0
ABFDQ-II 07	12.0±1.0	12.0±1.0	7.0±1.0	5.0±1.0
ABFDQ-II 08	13.0±1.0	13.0±1.0	8.0±1.0	5.0±1.0
ABFDQ-II 09	14.0±1.2	14.0±1.2	9.0±1.2	5.0±1.0
ABFDQ-II 10	15.0±1.2	15.0±1.2	10.0±1.2	5.0±1.0
ABFDQ-II 12	18.0±1.5	18.0±1.5	12.0±1.5	5.0±1.0
ABFDQ-II 14	20.0±1.5	20.0±1.5	14.0±1.5	5.0±1.0
ABFDQ-II 16	22.0±1.5	22.0±1.5	16.0±1.5	5.0±1.0
ABFDQ-III 04	9.0±1.0	9.0±1.0	4.0±1.0	7.0±1.0
ABFDQ-III 05	10.0±1.0	10.0±1.0	5.0±1.0	7.0±1.0
ABFDQ-III 06	11.0±1.0	11.0±1.0	6.0±1.0	7.0±1.0
ABFDQ-III 07	12.0±1.0	12.0±1.0	7.0±1.0	7.0±1.0
ABFDQ-III 08	13.0±1.0	13.0±1.0	8.0±1.0	7.0±1.0
ABFDQ-III 09	14.0±1.2	14.0±1.2	9.0±1.2	7.0±1.2
ABFDQ-III 10	15.0±1.2	15.0±1.2	10.0±1.2	7.0±1.2
ABFDQ-III 12	18.0±1.5	18.0±1.5	12.0±1.5	7.0±1.5
ABFDQ-III 14	20.0±1.5	20.0±1.5	14.0±1.5	7.0±1.5
ABFDQ-III 16	22.0±1.5	22.0±1.5	16.0±1.5	7.0±1.5

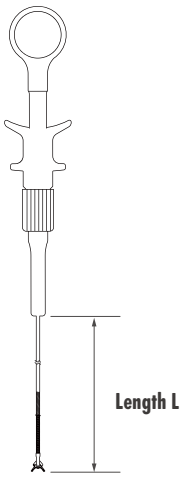
40
models and sizes

4
waist heights

ABFDQ-IV 04	9.0±1.0	9.0±1.0	4.0±1.0	10.0±1.0
ABFDQ-IV 05	10.0±1.0	10.0±1.0	5.0±1.0	10.0±1.0
ABFDQ-IV 06	11.0±1.0	11.0±1.0	6.0±1.0	10.0±1.0
ABFDQ-IV 07	12.0±1.0	12.0±1.0	7.0±1.0	10.0±1.0
ABFDQ-IV 08	13.0±1.0	13.0±1.0	8.0±1.0	10.0±1.0
ABFDQ-IV 09	14.0±1.2	14.0±1.2	9.0±1.2	10.0±1.0
ABFDQ-IV 10	15.0±1.2	15.0±1.2	10.0±1.2	10.0±1.0
ABFDQ-IV 12	18.0±1.5	18.0±1.5	12.0±1.5	10.0±1.0
ABFDQ-IV 14	20.0±1.5	20.0±1.5	14.0±1.5	10.0±1.0
ABFDQ-IV 16	22.0±1.5	22.0±1.5	16.0±1.5	10.0±1.0

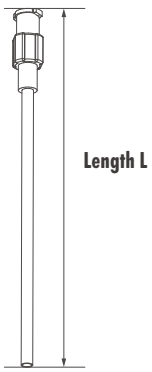
Specification and basic dimension of pusher

Specification	Length L/cm	Diameter Ø/mm
L1	60±20	2.0±0.5
L2	120±20	2.0±0.5



Specification and basic dimension of loader

Specification of loader	Length L/cm	Inner diameter Ø/mm
8F	100±30	2.77±0.25
9F	100±30	3.08±0.25
10F	100±30	3.38±0.25
12F	150±30	4.00±0.25
14F	168±30	4.67±0.25
16F	168±30	5.34±0.25



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