

Najuta

Thoracic Stent Graft System Product Catalog



CE 0123

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We, KAWASUMI LABORATORIES, INC. and SUMITOMO BAKELITE CO., LTD.,
integrated our medical device business as of 1st October 2021,
and start "SB-KAWASUMI LABORATORIES, INC." as the brand new company.

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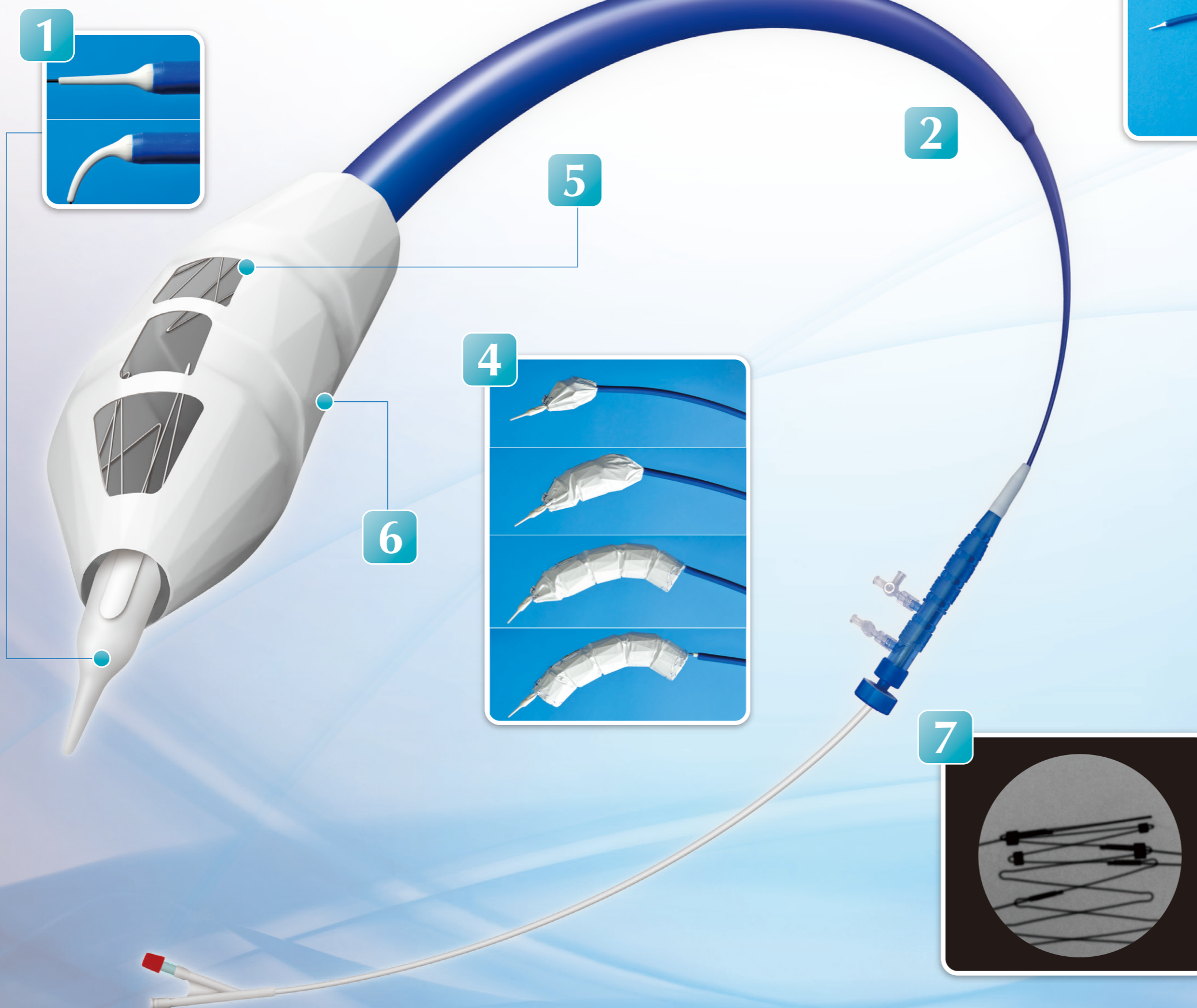


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SEMI-ORDER SYSTEM

Select and apply a specification which has the best approximation to the 3-dimensional curve of the distal arch and the descending aorta.



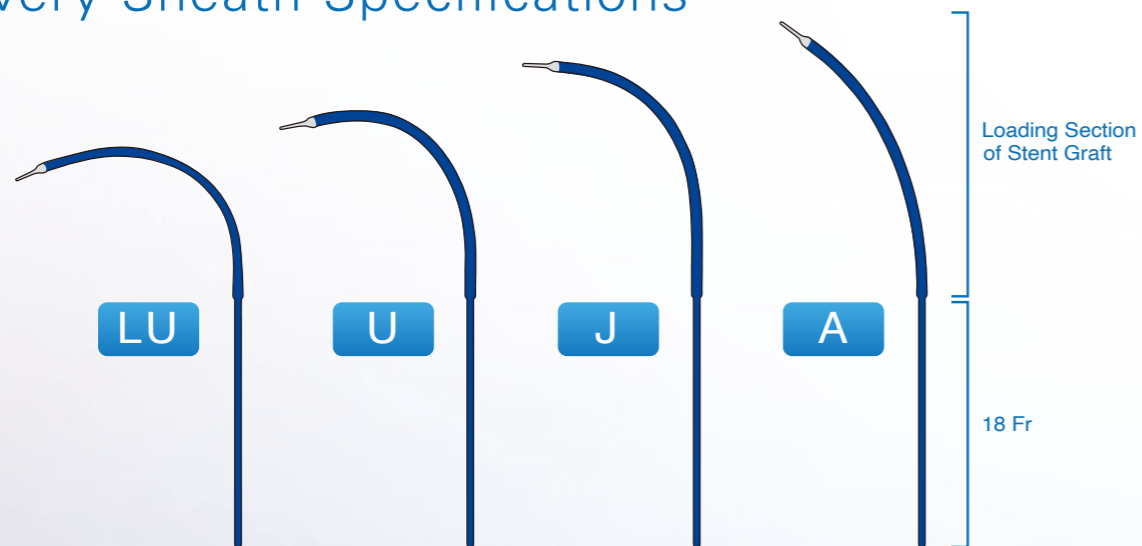
DELIVERY SHEATH

- 1 Tip**
Pliable material makes high trackability to guidewire possible.
- 2 Hydrophilic coating**
Decrease resistance applied to delivery sheath in operation
- 3 Shape of distal end of the sheath**
Variations available for good matching with vessel shape of aimed implantation position.
- 4 Stabilizer line**
As the proximal end of the graft is gradually opened in deployment, stable placement under pulsation is possible.

STENT GRAFT

- 5 Fenestration**
Aligning fenestrations to branch vessels around aimed lesion at aortic arch allows to place in ascending aorta without blocking blood flow into branch vessels.
- 6 Pre-shaped configuration**
64 variations of stent skeleton by combining stent length and curving configuration for good matching with portion or shape of the aimed aorta.
- 7 Marker**
Radiopaque markers make correct positioning possible.

Delivery Sheath Specifications



Sheath Proximal Diameter (Loading Section of Stent Graft)			
Outer Diameter	21Fr	22Fr	23Fr
Inner Diameter	18Fr	19Fr	20Fr
Stent Graft Diameter	24mm~30mm	28mm~34mm	32mm~42mm

Sheath Distal Diameter	
18 Fr in All Code	
Total Length of Sheath (mm)	
950mm 730mm 580mm*	

* Only type A sheath is selectable for length 580mm

Stent Graft Specification Table

Group	Skelton		Graft			Length (Approx.)	Fenestration Spec 【(Shape) + (Number: 1~3)】
	Skelton Number *1 *2	Proximal Diameter	Straight (S type)	4mm Tapered (T type)	6mm Tapered (V type)		
Arch 5 stents (Fenestration)	AR01,02	32~42	32~42	32~42	38~42	175	CS1
	AR03~06						CS1,SS2,CS2
	AR7W~9W						CS1,SS2,CS2,CS3
	AR10						SS2,CS2,CS3,CL3
	AR3L~6L						CS1,SL2,CL2
	AR7L,8L						CS1,SL2,CL2,CL3
	PD01,02	24~30	28~30				CS1
	PD03~06						CS1,SS2,CS2
	PD3S,4S,6S						CS1,SL2,CL2
	PD5L						
Arch 5 stents (Non-fenestration)	AR01~06,AR10	As AR above			140	NNO	
	AR7W~9W	As AR above					
	AR3L~8L	As AR above					
	PD01~06	As PD above			175		
	PD3S,4S,6S,PD5L	As PD above					
Arch 4 stents	PS01~PS03 PS3S,PS3L	24~32					
Distal	DS01~DS05		As PD above			175	
	DS06~DS14		As AR above				
Thoraco Abdominal	TA01~TA09		As PD above			175	
	TA10~TA18		As AR above				
3 stents (Extension)	SS01	24~32				100	

Unit (mm)
*1 PD skelton: Smaller size of AR skelton.
*2 PD3S,4S,6S: Length of 1stent is approx. 20.5mm (Normal: approx. 25.5mm)

Fenestration Specifications

Graft Outer Diameter	24,26 mm	28,30,32 mm 32-28	34,36 mm 34-30,36-32	38,40,42 mm 38-34,40-36,42-38 42-36,40-34,38-32
CS1				
SS2				
SL2				
CS2				
CL2				
Graft Outer Diameter	32 mm 32-28	34,36 mm 34-30,36-32	38,40,42 mm 38-34,40-36,42-38 42-36,40-34,38-32	
CS3				
CL3				

Unit in the Figure: mm

Najuta Product Code Description

AR 01 - S 40 CS 1 - 3 U 73

Sheath Effective Length

95 : 950mm
73 : 730mm
58 : 580mm

Sheath Tip Shape

L : LU
U : U
J : J
A : Angle

Sheath Outer Diameter

1 : 21Fr
2 : 22Fr
3 : 23Fr

Number of Fenestration

0 : None
1 : 1
2 : 2
3 : 3

Fenestration Shape

NN : Without Fenestration
SS : For Left Subclavian Artery
SL : For Left Subclavian Artery (Large)
CS : For Left Common Carotid Artery
CL : For Left Common Carotid Artery (Large)

Expanded Stent Graft Diameter

ex.40 : φ40mm
24 : φ24mm

Stent Graft Shape

ex.S : Straight
T : Taper type (4 mm)
V : Taper type (6 mm)

Skeleton Number

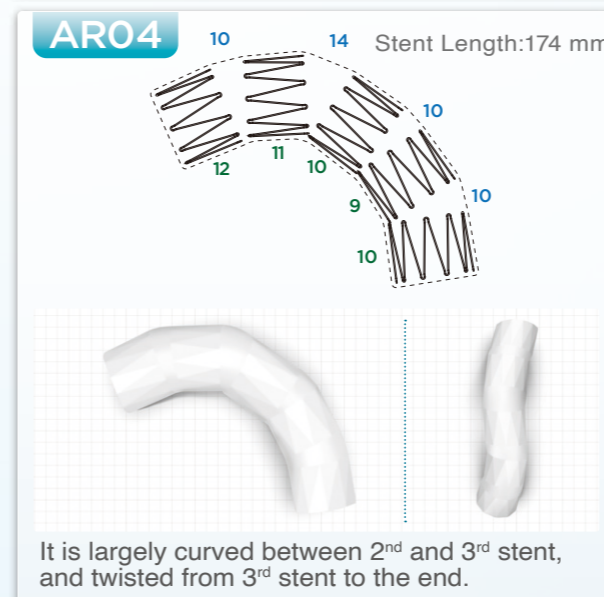
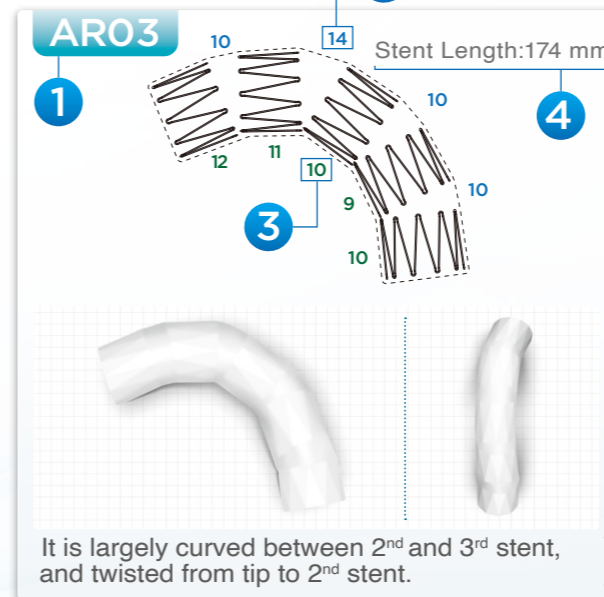
ex. 01 : No.1
12 : No.12
7L : No.7LW

Skeleton Type

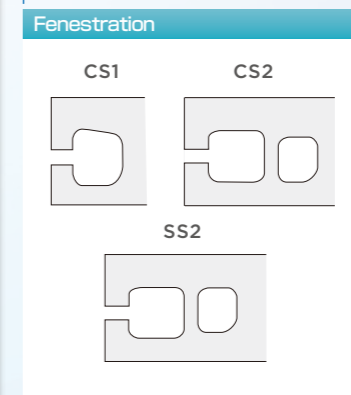
AR : For Arch (Large)
PD : For Arch (Small)
PS : For Arch (4 Z-Stents)
DS : For Descending Aorta
TA : For Thoraco-Abdominal
SS : For Extension

Viewpoint of Product Code

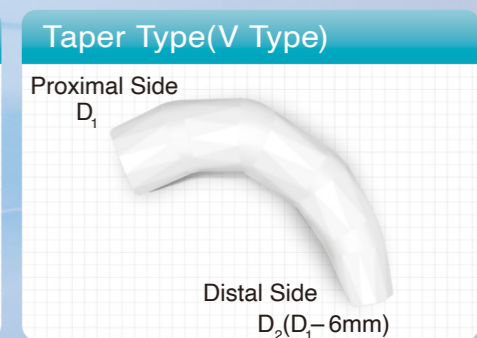
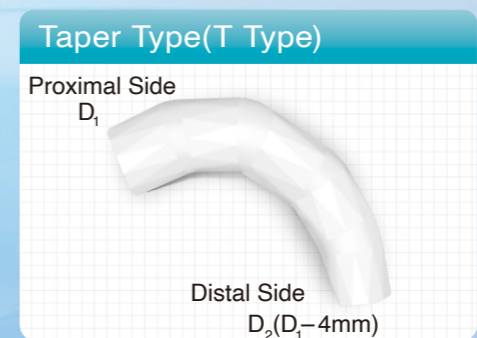
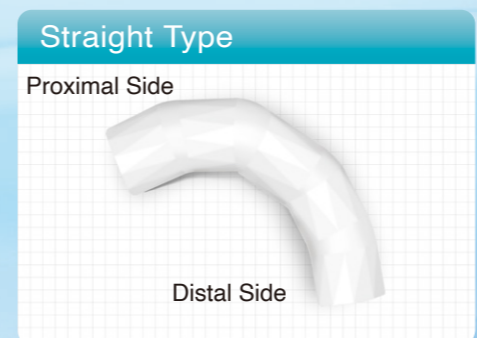
For Arch (Large)



6 Skeleton	7 Graft	8 Fenestration
AR03	S 32mm	CS1
AR04	S 34mm	CS2
	S 36mm	SS2
	S 38mm	NN0 (Without Fenestration)
	S 40mm	
	S 42mm	
	T 32-28mm	
	T 34-30mm	
	T 36-32mm	
	T 38-34mm	
	T 40-36mm	
	T 42-38mm	
	V 38-32mm	
	V 40-34mm	
	V 42-36mm	



- 1 Skeleton Name
- 2 Strut Length (mm)
- 3 Threads of Stent Skeleton
- 4 Total Length of Stent (mm)
- 5 Feature
- 6 Applicable Skeleton Type
- 7 Stent Graft Diameter
S : Straight Type
T : Taper Type (4 mm)
V : Taper Type (6 mm)
*Please see below for details.
- 8 Fenestration Specification
- 9 Selectable Fenestration Code



AR01 Stent Length: 174 mm

It is largely curved between 1st and 2nd stent, and gently twisted from 2nd stent to the end.

AR02 Stent Length: 174 mm

It is largely curved between 1st and 2nd stent, and largely twisted from 2nd stent to the end.

Skeleton	Graft	Fenestration
AR01	S 32mm	CS1
AR02	S 34mm	NN0 (Without Fenestration)
	S 36mm	
	S 38mm	
	S 40mm	
	S 42mm	
	T 32-28mm	
	T 34-30mm	
	T 36-32mm	
	T 38-34mm	
	T 40-36mm	
	T 42-38mm	
	V 38-32mm	
	V 40-34mm	
	V 42-36mm	

Fenestration

CS1

AR3L Stent Length: 176 mm

It is largely curved between 2nd and 3rd stent, and twisted from tip to 2nd stent.

AR4L Stent Length: 176 mm

It is largely curved between 2nd and 3rd stent, and twisted from 3rd stent to the end.

Skeleton	Graft	Fenestration
AR3L	S 32mm	CS1
AR4L	S 34mm	SL2
	S 36mm	CL2
	S 38mm	NN0 (Without Fenestration)
	S 40mm	
	S 42mm	
	T 32-28mm	
	T 34-30mm	
	T 36-32mm	
	T 38-34mm	
	T 40-36mm	
	T 42-38mm	
	V 38-32mm	
	V 40-34mm	
	V 42-36mm	

Fenestration

CS1 SL2 CL2

AR03 Stent Length: 174 mm

It is largely curved between 2nd and 3rd stent, and twisted from tip to 2nd stent.

AR04 Stent Length: 174 mm

It is largely curved between 2nd and 3rd stent, and twisted from 3rd stent to the end.

Skeleton	Graft	Fenestration
AR03	S 32mm	CS1
AR04	S 34mm	CS2
	S 36mm	SS2
	S 38mm	NN0 (Without Fenestration)
	S 40mm	
	S 42mm	
	T 32-28mm	
	T 34-30mm	
	T 36-32mm	
	T 38-34mm	
	T 40-36mm	
	T 42-38mm	
	V 38-32mm	
	V 40-34mm	
	V 42-36mm	

Fenestration

CS1 CS2 SS2

AR05 Stent Length: 174 mm

It is largely curved between 2nd and 3rd stent, largely twisted from tip to 2nd stent and 3rd stent to the end.

AR06 Stent Length: 174 mm

It is largely curved between 2nd and 3rd stent, and gently twisted from tip to 2nd stent.

Skeleton	Graft	Fenestration
AR05	S 32mm	CS1
AR06	S 34mm	CS2
	S 36mm	SS2
	S 38mm	NN0 (Without Fenestration)
	S 40mm	
	S 42mm	
	T 32-28mm	
	T 34-30mm	
	T 36-32mm	
	T 38-34mm	
	T 40-36mm	
	T 42-38mm	
	V 38-32mm	
	V 40-34mm	
	V 42-36mm	

Fenestration

CS1 CS2 SS2

AR5L Stent Length: 176 mm

It is largely curved between 2nd and 3rd stent, largely twisted from tip to 2nd stent and 3rd stent to the end.

AR6L Stent Length: 176 mm

It is largely curved between 2nd and 3rd stent, and gently twisted from tip to 2nd stent.

Skeleton	Graft	Fenestration
AR5L	S 32mm	CS1
AR6L	S 34mm	SL2
	S 36mm	CL2
	S 38mm	NN0 (Without Fenestration)
	S 40mm	
	S 42mm	
	T 32-28mm	
	T 34-30mm	
	T 36-32mm	
	T 38-34mm	
	T 40-36mm	
	T 42-38mm	
	V 38-32mm	
	V 40-34mm	
	V 42-36mm	

AR7L Stent Length: 176 mm

It is largely curved between 3rd and 4th stent, and twisted from tip to 3rd stent.

AR8L Stent Length: 176 mm

It is largely curved between 3rd and 4th stent, and twisted from 4th stent to the end.

Skeleton	Graft	Fenestration
AR7L	S 32mm	CS1
AR8L	S 34mm	SL2
	S 36mm	CL2
	S 38mm	CL3
	S 40mm	NN0 (Without Fenestration)
	S 42mm	
	T 32-28mm	
	T 34-30mm	
	T 36-32mm	
	T 38-34mm	
	T 40-36mm	
	T 42-38mm	
	V 38-32mm	
	V 40-34mm	
	V 42-36mm	

Fenestration

CS1 SL2 CL2

Fenestration

CS1 SL2 CL2 CL3

AR7W Stent Length: 174 mm

It is largely curved between 3rd and 4th stent, and twisted from tip to 3rd stent.

AR8W Stent Length: 174 mm

It is largely curved between 3rd and 4th stent, and twisted from 4th stent to the end.

Skeleton	Graft	Fenestration
AR7W	S 32mm	CS1
AR8W	S 34mm	CS2
	S 36mm	CS3
	S 38mm	SS2
	S 40mm	NN0 (Without Fenestration)
	S 42mm	
	T 32-28mm	
	T 34-30mm	
	T 36-32mm	
	T 38-34mm	
	T 40-36mm	
	T 42-38mm	
	V 38-32mm	
	V 40-34mm	
	V 42-36mm	

AR9W Stent Length: 176 mm

It is largely curved between 3rd and 4th stent, and gently twisted from tip to 3rd stent.

AR10 Stent Length: 178 mm

It is largely curved between 2nd and 4th stent, and gently twisted from tip to the end.

Skeleton	Graft	Fenestration
AR9W	S 32mm	CS1 (Only AR9W)
AR10	S 34mm	CS2
	S 36mm	CS3
	S 38mm	SS2
	S 40mm	CL3 (Only AR10)
	S 42mm	NN0 (Without Fenestration)
	T 32-28mm	
	T 34-30mm	
	T 36-32mm	
	T 38-34mm	
	T 40-36mm	
	T 42-38mm	
	V 38-32mm	
	V 40-34mm	
	V 42-36mm	

Fenestration

CS1 CS2 CS3 SS2

Fenestration

CS1 CS2 CS3 SS2 CL3