

A.V. FISTULA NEEDLE

Product Catalogue

Standard Models

Fixed Wing
Rotating Wing

Single and Twin Pack

Needle Protector

WingEater™
SysLoc™



JMS



The Bridge to Good Health Care

Our Commitment

SAFETY, RELIABILITY AND CONVENIENCE FOR EVERY DIALYSIS NEEDS

First-rated medical equipment plays an indispensable role in the continuously developing field of medical treatments for dialysis patients. Life is a precious gift and underlying this belief and passion has led JMS, a pioneer in manufacturing disposable medical equipment, to establish a core range of dialysis products using advance research, development and state-of-the-art manufacturing processes to deliver professional, responsive and patient-focused dialysis patient care.

With a reputation for understanding quality and reliability, JMS Arterial Venous (A.V.) Fistula Needle Sets are manufactured to the highest quality and design standards for optimal renal care.

Our production facility is equipped with stringent control for cleanliness and hygiene, which is an absolute essential for a factory that produces medical products. Research and Developments are continuously carried out under extensive collaboration with our Head Office in Japan on advanced, scientific and technical know-hows.



Research and Development



Quality Assurance



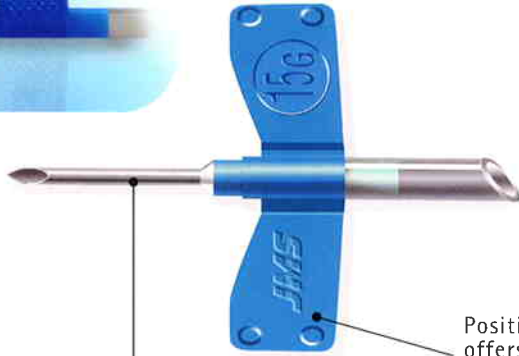
State-of-the-Art Technology

JMS A.V. FISTULA NEEDLE SET

FIXED WING Needle



Optimum softness and non-slip texture allow secure gripping and better control of needle



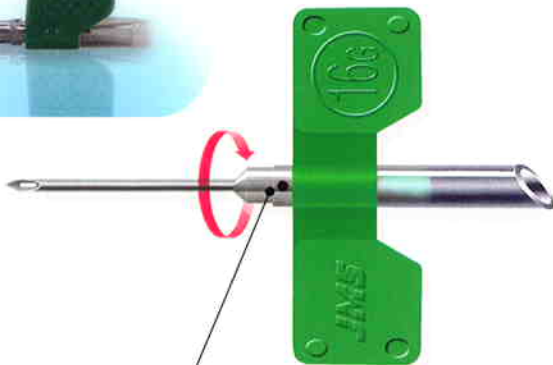
New Silicone Coating material and state-of-the-art JMS cannula making technology allow smooth and painless needle insertion

Positive locks on the wing offers you a firm gripping control and prevent accidental rotation during insertion



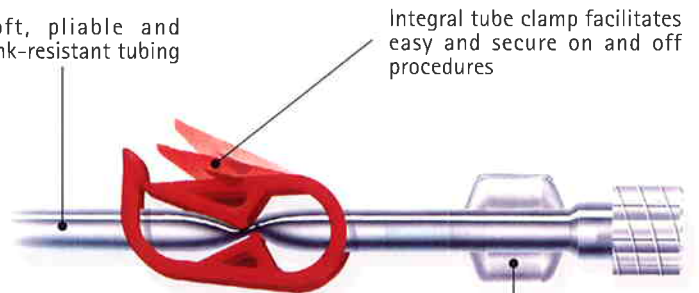
Luer lock connectors comply with international standards. Fit with connectors of blood lines correctly

ROTATING HUB Needle



The needle hub can be rotated or re-oriented without disturbing the wing fixation when it is needed. The position of needle bevel up and down are indicated by red and black dots on the hub

Soft, pliable and kink-resistant tubing



Integral tube clamp facilitates easy and secure on and off procedures

The winged connector facilitates secure connection with blood lines

NEEDLE PROTECTION



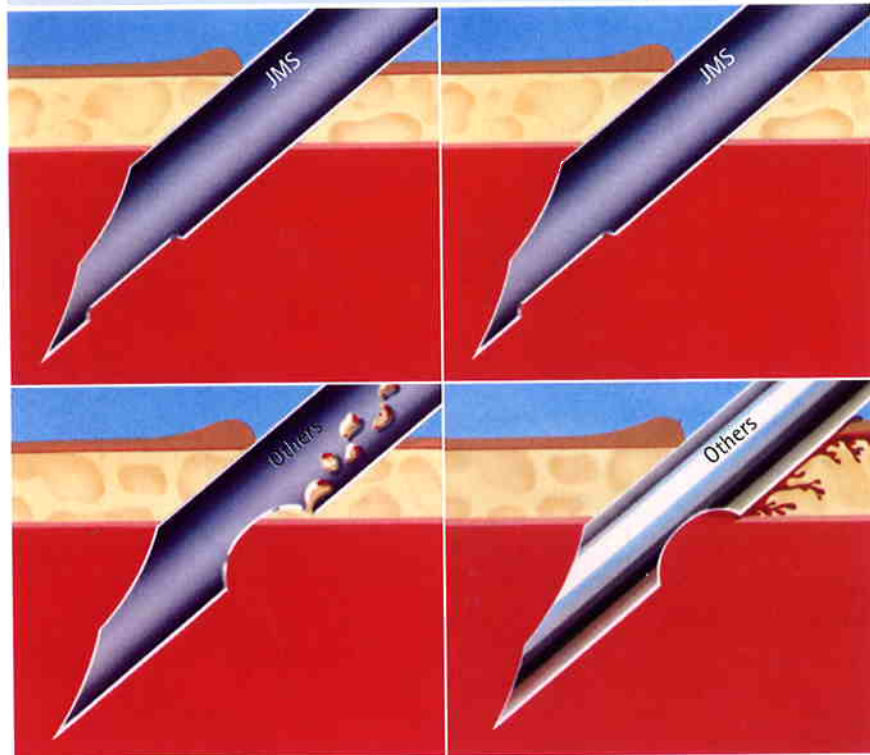
Needle Protection WingEater™



SMOOTH CANNULATION, EASING ANY PAIN

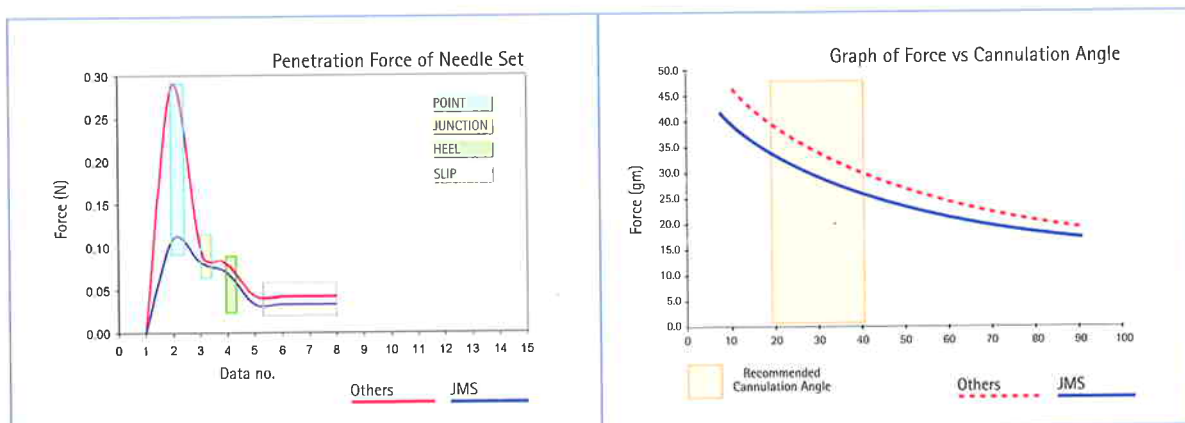
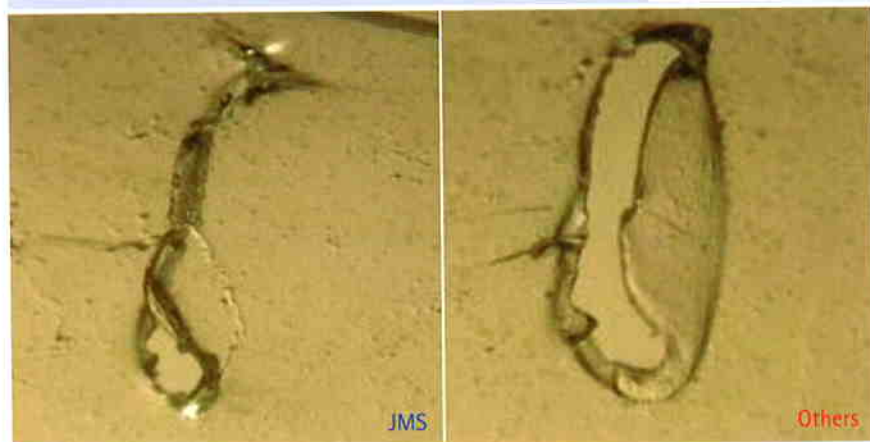
JMS Needle's oval slit (Backeye) is profiled to tip's bevel geometry that has much smaller step for minimal tissue shaving and blood seepage during needle insertion (cannulation)

Others without "know-how" in cannula making obtain poor source of needle supply (even Japanese made) with profiles that cause tissue shavings and blood seepage in puncture



MINIMISING ACCESS VESSEL TRAUMA

Microscopic view (30x) of PE film after needle cannulation simulated at an angle of 30 degree angle



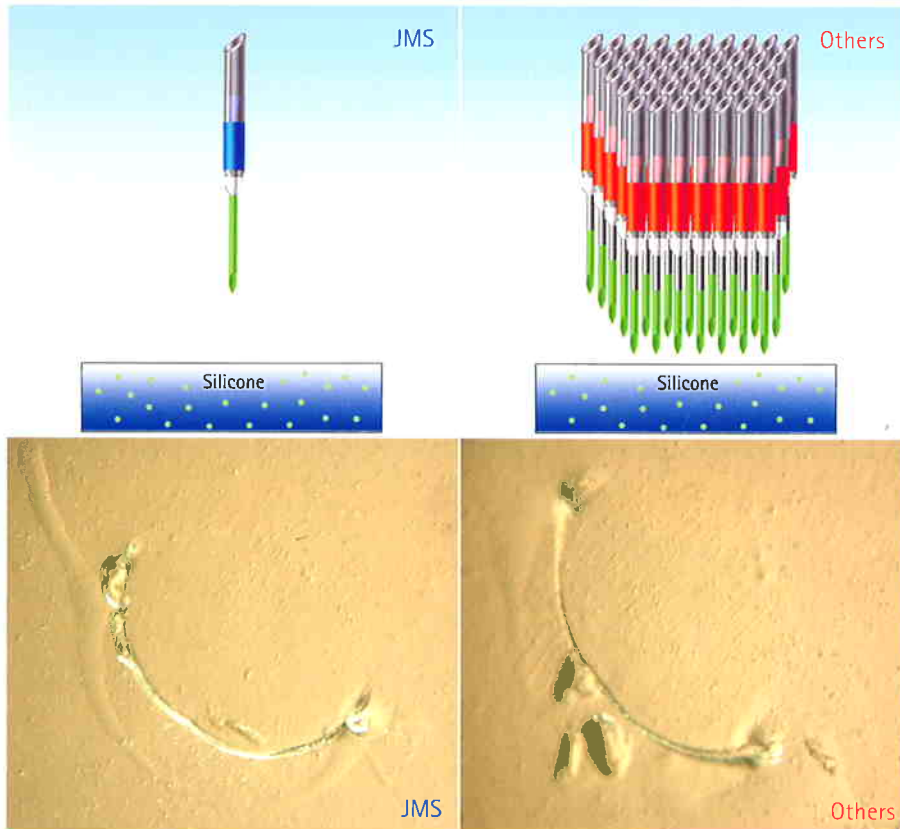
Penetration Graph of Cannulation simulated on PE film

SILICONISATION

with a difference

BIOCOMPATIBLE CANNULA COATING

JMS Needle is individually siliconised using biocompatible cannula coat



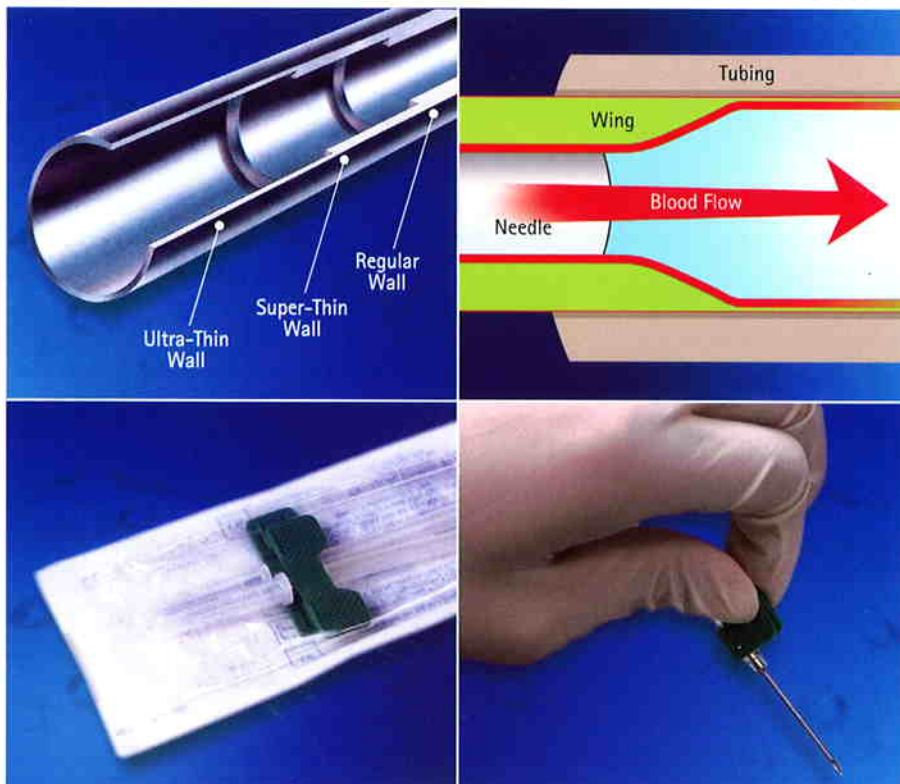
Other manufacturers siliconise in bundle

JMS formula of polymerised silicone coat is dry like and leave no undesirable silicon deposits

Others leave behind wet-like or lumpy silicone coat as simulated in the PE film after penetration

VARIOUS DISTINCT ADVANTAGES TO USE THE JMS NEEDLE SET

Ultra-thin wall cannula permits higher blood flow rate for high efficiency dialysis



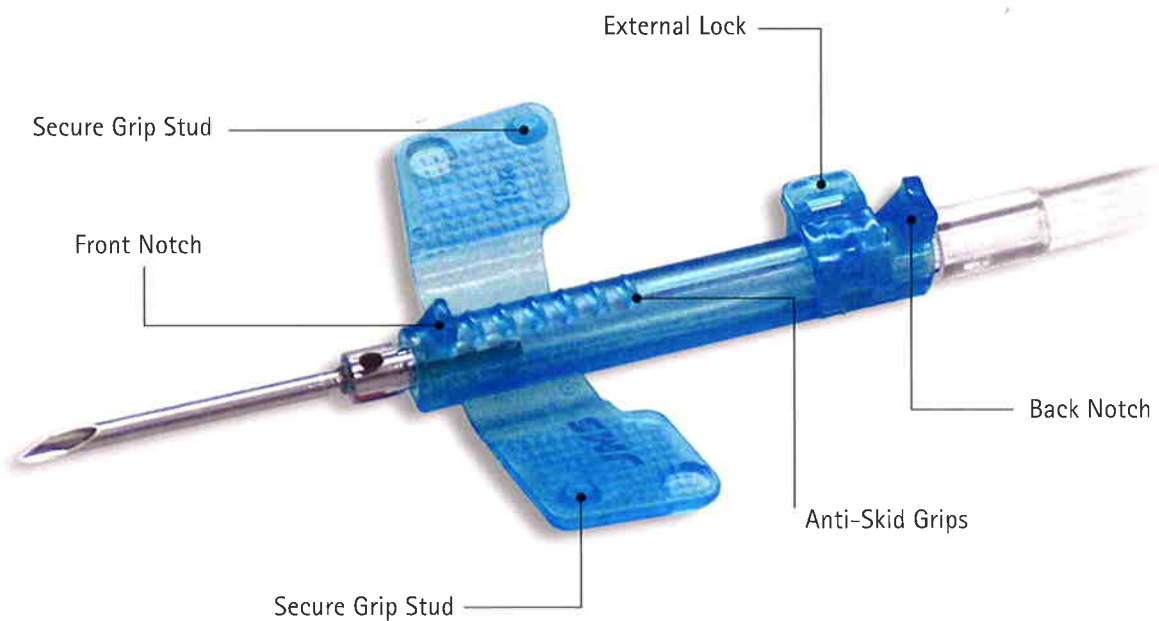
Excellent laminar flow to prevent blood clotting and turbulences that adds stress on the patient's blood

Non-Slip design allows secure gripping and control of needle

JMS A.V. FISTULA SAFETY NEEDLE

The risk of acquiring blood borne infections through needle stick remains a serious concern for healthcare workers, donors / patients, cleaning staff, contaminated waste disposal staff and health administrators worldwide, despite the adoption of "Universal Precautions".

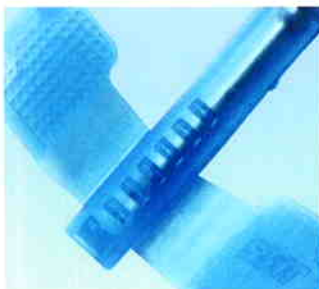
JMS is proud to present its latest designs for safety needle. The Sysloc[®] and WingEater[™] combine innovative engineering with high quality and economic balance to bring you an easy to use needle, cost effective option to achieve patient comfort and peace of mind for the healthcare industry.



JMS Sysloc[™] Safety AVF

Annotation of Sysloc Wing Sheath

Safety Features



An audible click will assure that the needle is fully retracted and guarded



The SysLoc comes with a rotating hub, eliminating the need to flip needles



The external lock keeps the cannula in place during cannulation and is easy to open when ready for retraction



New wing design allows for easy gripping and control during cannulation

JMS Sysloc™ Safety AVF

Instruction for Use

One-Hand Technique



Step 1
To release the lock, pinch between your thumb and index finger while flipping open the lock



Step 2
External lock released, ready for needle retraction procedure



Step 3
Place both the index and third finger on the gauze directly in front of the front notch, make sure that both fingers are on the puncture site



Step 4
Retract the tubing by pushing forward on the back notch with index finger and pulling tubing with thumb and third finger



Step 5
When full retracted, the hub will lock to the Sysloc wing sheath with an audible "click" sound. The needle is fully secured inside the wing sheath after the final lock mechanism has activated



Step 6
Remove wing from puncture site. Primary locking mechanism is already activated ready for disposal

Two-Hand Technique



Step 1
In order to release the lock, pinch the lock and back notch between your thumb and index finger while flipping open the lock



Step 2
External lock released, ready for needle retraction procedure



Step 3
Place index finger behind the front notch



Step 4
While placing your index finger behind the front notch, grasp and pull the tubing, retracting the needle into hub

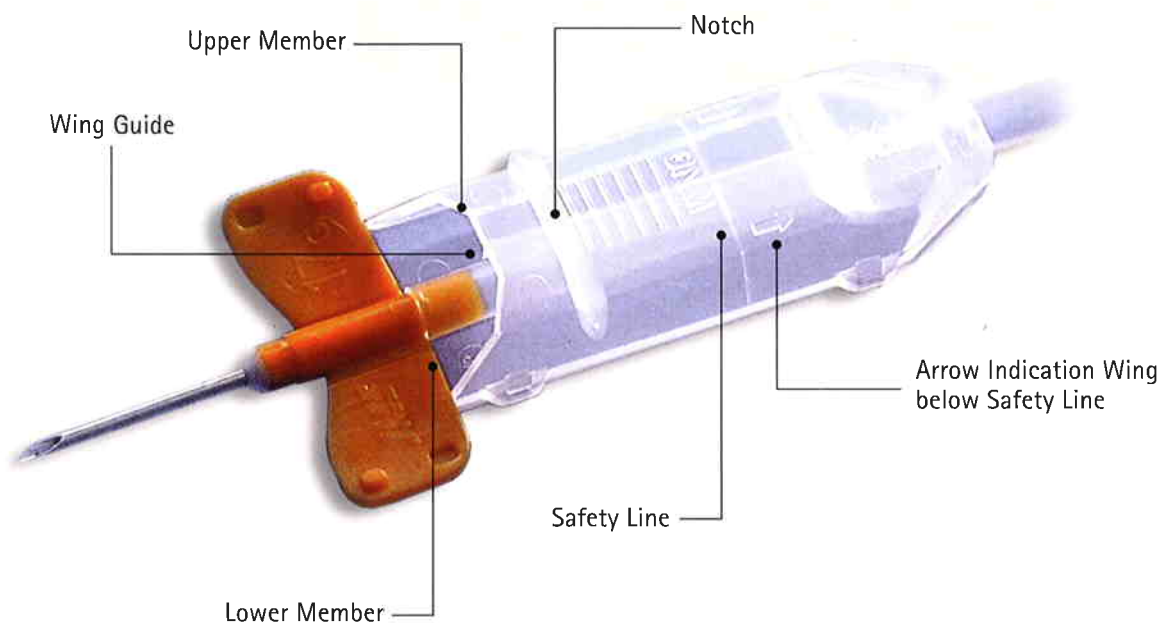


Step 5
When full retracted, the hub will lock to the Sysloc wing sheath with an audible "click" sound. The needle is fully secured inside the wing sheath after the final lock mechanism has activated



Step 6
Remove wing from puncture site. Primary locking mechanism is already activated ready for disposal

JMS A.V. FISTULA NEEDLE GUARD



JMS WingEater™ Safety AVF

Annotation of WingEater Needle Guard

Benefits

Management

- Improved Safety in the Workplace
- Compatible with Current Clinical Procedures
- Reduced Risk of Needlestick Injury Resulting in Potential Cost Savings
- Inexpensive, Easy to Use and Easy to Implement

Healthcare Worker

- Safer Haemodialysis and Blood Collection
- Facilitates a Fast and Safe Needle Withdrawal
- Reduced Risk of Needlestick Injury

Safety Features



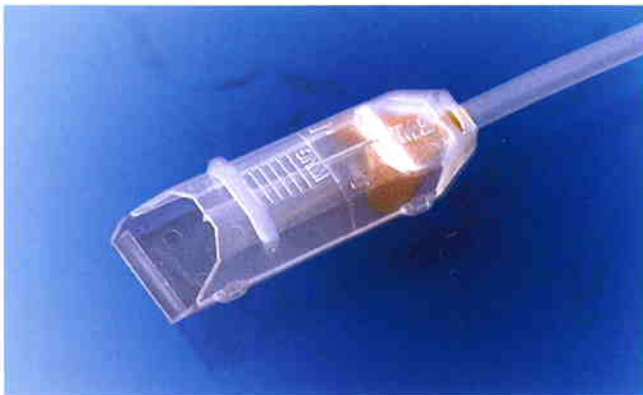
Engaged Position

- Immediate Shielding upon withdrawal
- Easily Integrated into existing procedures



Locked Position

- Ease of Engagement, Shielding and Locking of the needle assembly



Locked and Disposed

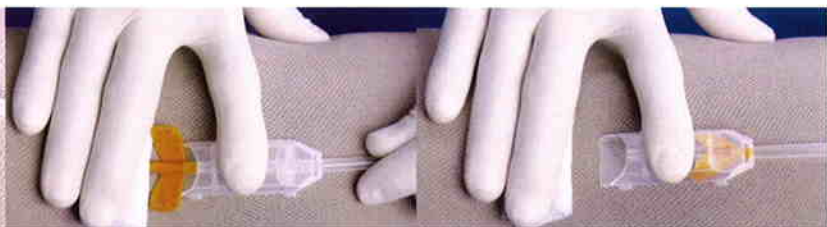
- Enables Safe Withdrawal of needle at any angle
- Disposal into appropriate sharp container

JMS WingEater™ Safety AVF

Instruction for Use



Step 1



Step 2

Step 3

Slide WingEater up until it just touches the wings

Place Gauze over puncture site

Hold Gauze with your last three fingers while placing your index finger just behind the notch on the top of the WingEater



Step 4



Step 5

Dispose whole assembly into an appropriate container

Pull the tubing with your free hand until needle is completely retracted into the WingEater

SINGLE NEEDLE Set

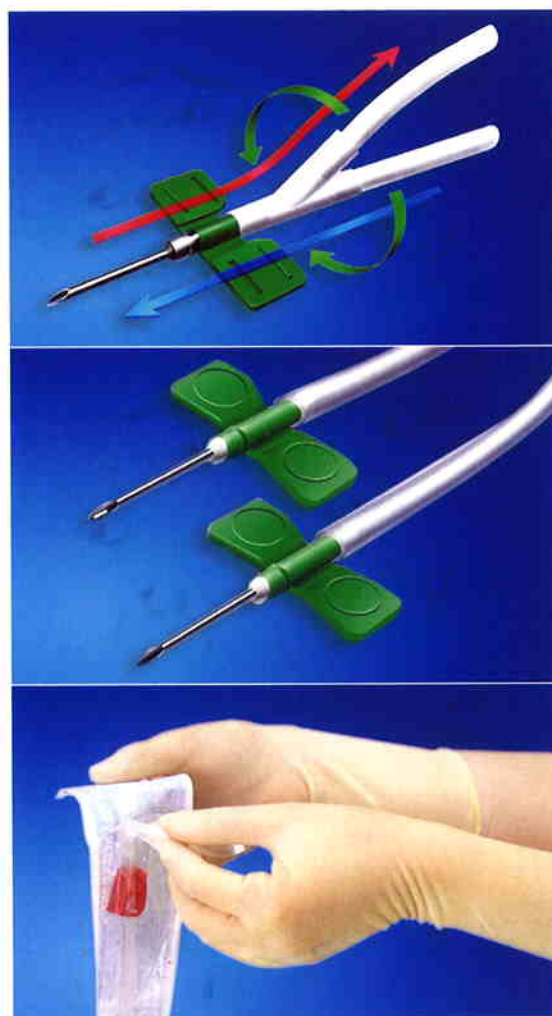
- JMS Single Needle Set is carefully designed for higher dialysis efficiency and convenience of usage
- An oval eye is provided on all the needles as an additional opening for better blood flow
- Y-connection is designed to have minimum dead space to avoid the recirculation of arterial and venous blood. The needle hub can be rotated for re-orientation

TWIN NEEDLE Set

- Convenience
 - No need to keep two separate inventories. Clear identification of arterial and venous sides with color coded clamps
- Safety
 - Color coded clamps specify the lines and simply eliminate the risk of "reversed line" recirculation
- Economy
 - 50% less space required
 - 50% less transportation and warehousing costs
- Less Waste of Packaging Material
 - Ecological issue is worldwide concern now

Packaging

- Peel-to Open Blister Package for proper sterile handling
- Transparent see-through side allows observation of the product at a glance
- Colour coded and symbolized labeling on the shelf box
- Choice of convenient dispenser opening on the side panel or fully opening top panel



Packing Method

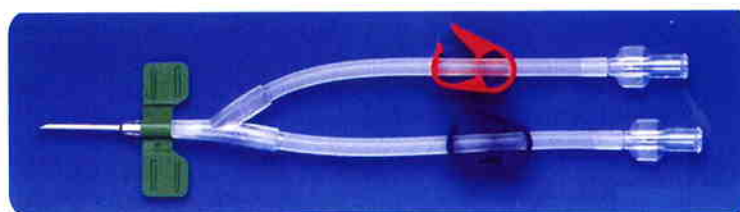
Type	Inner Box	Outer / Shipping Carton
Single	50	500
Twin	50	500
Single with Needle Protector	50	500
Twin with Needle Protector	40	400
Shelf Life: 5 Years		

More than 100 configurations available to choose from

Multiple variations in size and location of access vessel with different graft material call for an appropriate selection of fistula needles. JMS wide product line up ensures that a right fistula needle is available even for rare and most extraordinary situations.

Single Needle Set

Sterilized By ETO and Gamma

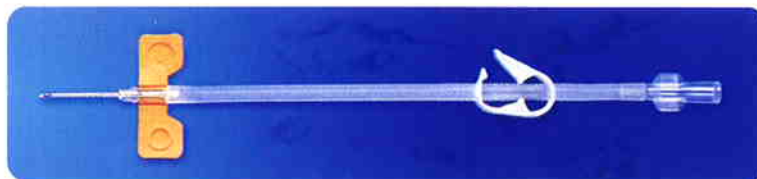


Gauge Size	Cannula Length	Two 11cm Tube
		Needle with Back Eye and Rotating Hub
14G (2.10 mm)	1" (25 mm)	14-25-820-11S
15G (1.83 mm)	1" (25 mm)	15-25-820-11S
16G (1.65 mm)	1" (25 mm)	16-25-820-11S
17G (1.47 mm)	1" (25 mm)	17-25-820-11S

Fixed Wing

Single Pack

Sterilized By ETO

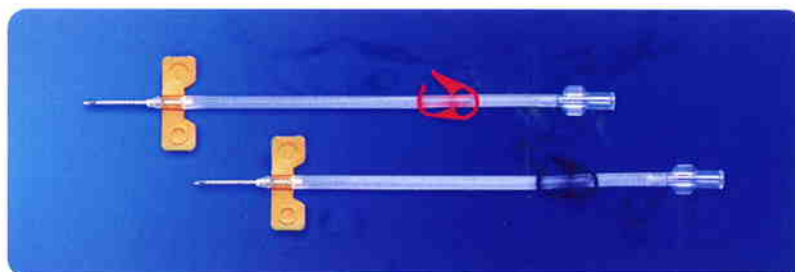


Gauge Size	Cannula Length	Tube Length 6" (15 cm)		Tube Length 12" (30 cm)	
		Arterial Back Eye	Venous Standard	Arterial Back Eye	Venous Standard
14G (2.10 mm)	1" (25 mm)	14-25-BE-820-15S	14-25-STD-820-15S	14-25-BE-820-30S	14-25-STD-820-30S
	1 1/4" (32 mm)	14-32-BE-820-15S	14-32-STD-820-15S	14-32-BE-820-30S	14-32-STD-820-30S
15G (1.83 mm)	1" (25 mm)	15-25-BE-820-15S	15-25-STD-820-15S	15-25-BE-820-30S	15-25-STD-820-30S
	1 1/4" (32 mm)	15-32-BE-820-15S	15-32-STD-820-15S	15-32-BE-820-30S	15-32-STD-820-30S
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17G (1.47 mm)	1" (25 mm)	17-25-BE-820-15S	17-25-STD-820-15S	17-25-BE-820-30S	17-25-STD-820-30S
	1 1/4" (32 mm)	17-32-BE-820-15S	17-32-STD-820-15S	17-32-BE-820-30S	17-32-STD-820-30S
18G (1.24 mm)	1" (25 mm)	18-25-BE-820-15S	18-25-STD-820-15S	18-25-BE-820-30S	18-25-STD-820-30S
	1 1/4" (32 mm)	18-32-BE-820-15S	18-32-STD-820-15S	18-32-BE-820-30S	18-32-STD-820-30S

Fixed Wing

Twin Pack

Sterilized By ETO



Gauge Size	Cannula Length	Tube Length 12" (30 cm)
		Arterial with Black Eye
		Venous without Back Eye
15G (1.83 mm)	1" (25 mm)	15-25-820-30T
	1 1/4" (32 mm)	15-32-820-30T
16G (1.65 mm)	1" (25 mm)	16-25-820-30T
	1 1/4" (32 mm)	16-32-820-30T
17G (1.47 mm)	1" (25 mm)	17-25-820-30T
	1 1/4" (32 mm)	17-32-820-30T

Rotating Wing

Single Pack

Sterilized By ETO

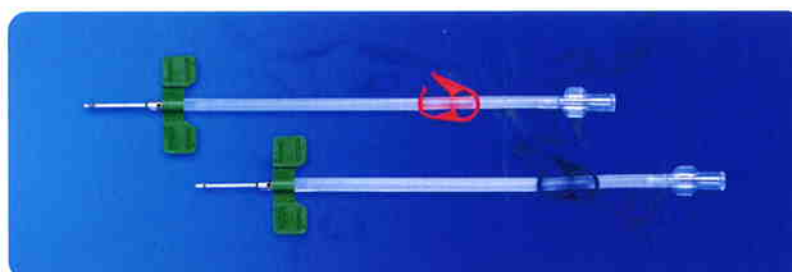


Gauge Size	Cannula Length	Tube Length 6" (15 cm)		Tube Length 12" (30 cm)	
		Arterial Back Eye	Venous Standard	Arterial Back Eye	Venous Standard
15G (1.83 mm)	1" (25 mm)	15-25-BE-823-15S	15-25-STD-823-15S	15-25-BE-823-30S	15-25-STD-823-30S
	1 1/4" (32 mm)	15-32-BE-823-15S	15-32-STD-823-15S	15-32-BE-823-30S	15-32-STD-823-30S
16G (1.65 mm)	1" (25 mm)	16-25-BE-823-15S	16-25-STD-823-15S	16-25-BE-823-30S	16-25-STD-823-30S
	1 1/4" (32 mm)	16-32-BE-823-15S	16-32-STD-823-15S	16-32-BE-823-30S	16-32-STD-823-30S
17G (1.47 mm)	1" (25 mm)	17-25-BE-823-15S	17-25-STD-823-15S	17-25-BE-823-30S	17-25-STD-823-30S
	1 1/4" (32 mm)	17-32-BE-823-15S	17-32-STD-823-15S	17-32-BE-823-30S	17-32-STD-823-30S

Rotating Wing

Twin Pack

Sterilized By ETO

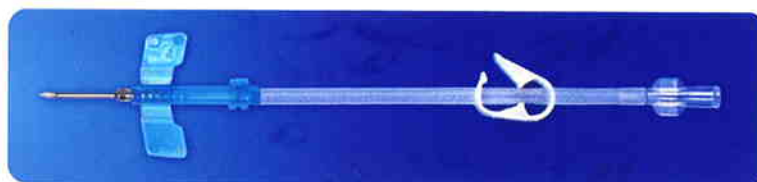


Gauge Size	Cannula Length	Tube Length 12" (30 cm)
		Arterial with Black Eye
		Venous without Back Eye
15G (1.83 mm)	1" (25 mm)	15-25-823-30T
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16G (1.65 mm)	1" (25 mm)	16-25-823-30T
	1 1/4" (32 mm)	16-32-823-30T
17G (1.47 mm)	1" (25 mm)	17-25-823-30T
	1 1/4" (32 mm)	17-32-823-30T

SysLoc™

Single Pack

Sterilized By ETO and Gamma

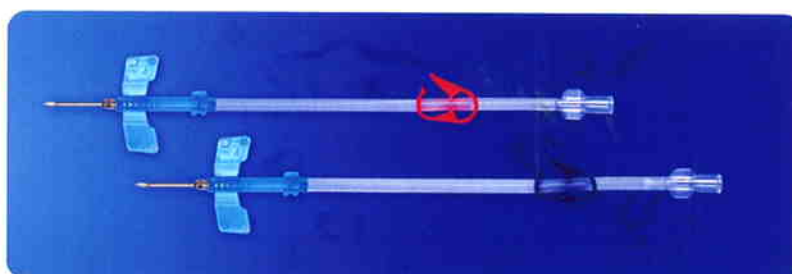


Gauge Size	Cannula Length	Tube Length 6" (15 cm)		Tube Length 12" (30 cm)	
		Arterial Back Eye	Venous Standard	Arterial Back Eye	Venous Standard
14G (2.10 mm)	1" (25 mm)	14-25-BE-824-15S	14-25-STD-824-15S	14-25-BE-824-30S	14-25-STD-824-30S
	1 1/4" (32 mm)	14-32-BE-824-15S	14-32-STD-824-15S	14-32-BE-824-30S	14-32-STD-824-30S
15G (1.83 mm)	1" (25 mm)	15-25-BE-824-15S	15-25-STD-824-15S	15-25-BE-824-30S	15-25-STD-824-30S
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	1 1/4" (32 mm)	17-32-BE-824-15S	17-32-STD-824-15S	17-32-BE-824-30S	17-32-STD-824-30S
18G (1.24 mm)	1" (25 mm)	18-25-BE-824-15S	18-25-STD-824-15S	18-25-BE-824-30S	18-25-STD-824-30S
	1 1/4" (32 mm)	18-32-BE-824-15S	18-32-STD-824-15S	18-32-BE-824-30S	18-32-STD-824-30S

SysLoc™

Twin Pack

Sterilized By ETO and Gamma



Gauge Size	Cannula Length	Tube Length 12" (30 cm)
		Arterial with Black Eye
		Venous without Back Eye
15G (1.83 mm)	1" (25 mm)	15-25-824-30T
	1 1/4" (32 mm)	15-32-824-30T
16G (1.65 mm)	1" (25 mm)	16-25-824-30T
	1 1/4" (32 mm)	16-32-824-30T
17G (1.47 mm)	1" (25 mm)	17-25-824-30T
	1 1/4" (32 mm)	17-32-824-30T

WingEater™

Single Pack

Sterilized By ETO

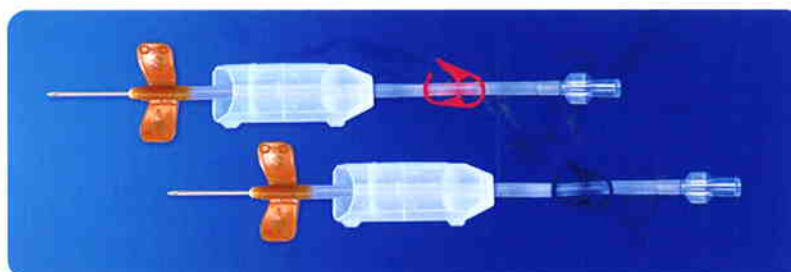


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14G (2.10 mm)	1" (25 mm)	14-25-BW-820-15S	14-25-STW-820-15S	14-25-BW-820-30S	14-25-STW-820-30S
	1 1/4" (32 mm)	14-32-BW-820-15S	14-32-STW-820-15S	14-32-BW-820-30S	14-32-STW-820-30S
15G (1.83 mm)	1" (25 mm)	15-25-BW-820-15S	15-25-STW-820-15S	15-25-BW-820-30S	15-25-STW-820-30S
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	1 1/4" (32 mm)	18-32-BW-820-15S	18-32-STW-820-15S	18-32-BW-820-30S	18-32-STW-820-30S

WingEater™

Twin Pack

Sterilized By ETO



Gauge Size	Cannula Length	Tube Length 12" (30 cm)
		Arterial with Black Eye Venous without Back Eye
15G (1.83 mm)	1" (25 mm)	15-25-820-30TW
	1 1/4" (32 mm)	15-32-820-30TW
16G (1.65 mm)	1" (25 mm)	16-25-820-30TW
	1 1/4" (32 mm)	16-32-820-30TW
17G (1.47 mm)	1" (25 mm)	17-25-820-30TW
	1 1/4" (32 mm)	17-32-820-30TW

DIALYSIS EQUIPMENT AND ACCESSORIES

JMS offers a comprehensive line of equipment and accessories for every dialysis needs, ranging from Hemodialysis Dialysis Machine, Dialysis Therapy Chair, Infusion Pump, Syringe Pump to disposable AV (Arterial-Venous) Fistula Needles, and Other Disposables for Hemodialysis and Peritoneal Dialysis.

Single Patient Dialysis System



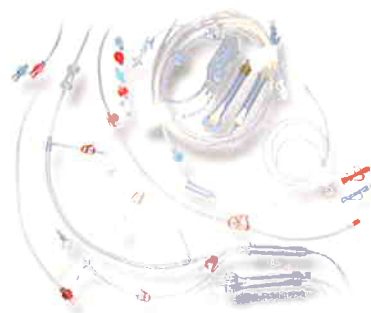
Therapy Chair



Syringe Pump SP 500



Infusion Pump OT 701



Hemodialysis Tubing Set



PD-Mini



Other Dialysis Disposables



CRIT-LINE™

JMS blend of optimal locality for Quality, Safety and Competitiveness
with Central Research in Japan, Development and Production in Singapore and Batam



JMS Manufacturing Plant in Singapore



JMS Manufacturing Plant in Batam



Certified under EN ISO 13485 Quality System, JMS manufacturing facilities are equipped with stringent control to ensure high quality standards and efficient processes for our blood lines and renal care products manufactured. Each Blood set is manufactured in compliance with the requirements in EC Council Directive 93/42/EEC of 14 June 1993 concerning medical devices.



The Bridge to Good Health Care

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