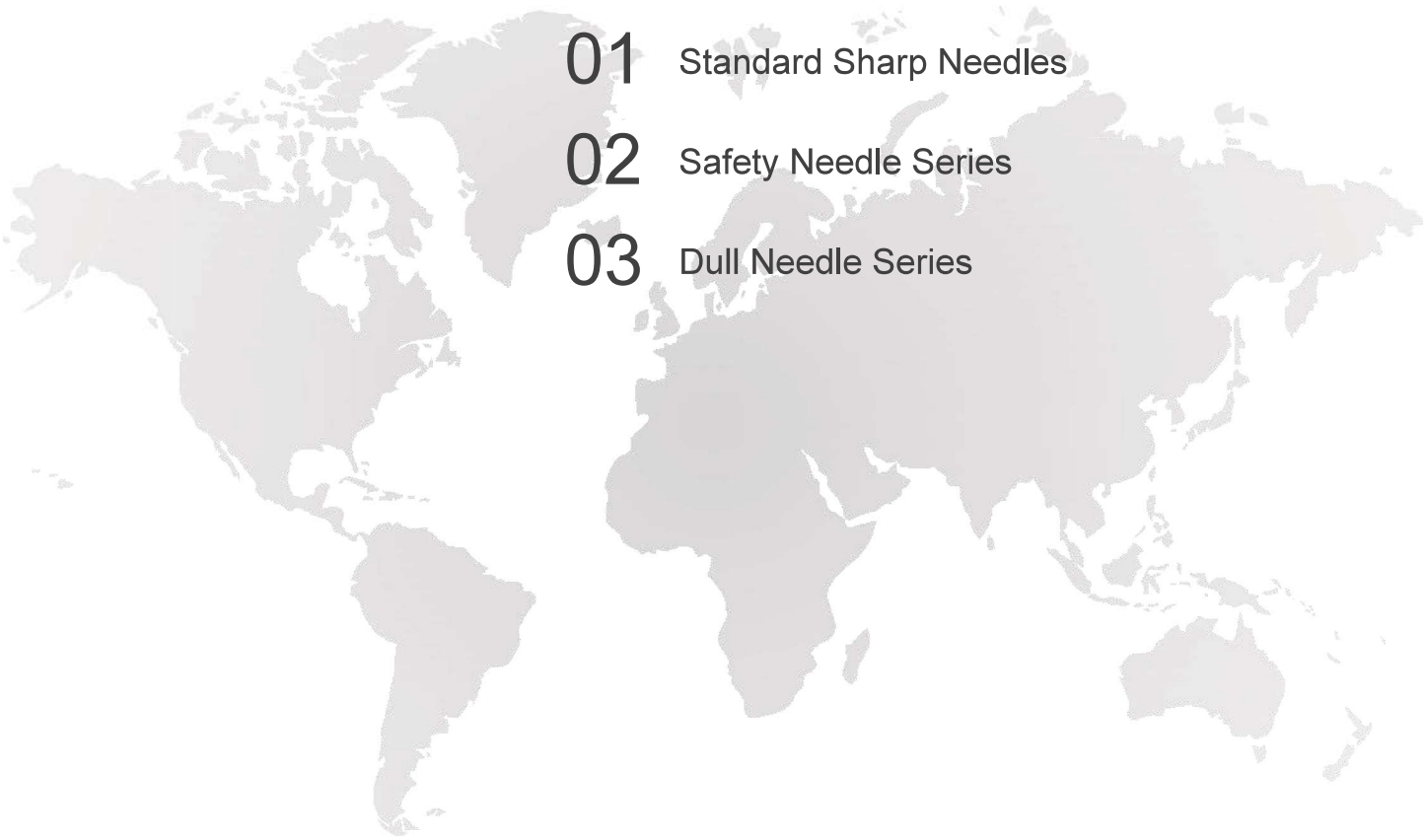
DORA®

RENAL CARE

Disposable A.V. Fistula Needle Sets



01 Standard Sharp Needles

02 Safety Needle Series

03 Dull Needle Series

BAIN MEDICAL EQUIPMENT (GUANGZHOU) CO. LTD

NO.10, JUNCHENG RD, EASTERN AREA, GETDD,
GUANGZHOU, 510760,CHINA

Advanced long bevel design

- Less resistance during puncture
- Lower probability of tearing skin
- Lower probability of blood leak
- Decrease patient anxiety

14 / 15 / 16 / 17 gauge available, adapted to patient's blood flow

Recommended Needle Gauge	Blood flow rate
14	> 450 ml/min
15	350 – 450 ml/min
16	300 – 350 ml/min
17	< 300 ml/min

Needle length (15/20/25/32mm) adapted to different fistula depth

Tube length (150mm, 300mm) adapted to different treatment requirement

Rotatable and fixed wings available

Backeye on arterial needle to optimize the blood flow and minimize the risk of aspiration to the vessel wall

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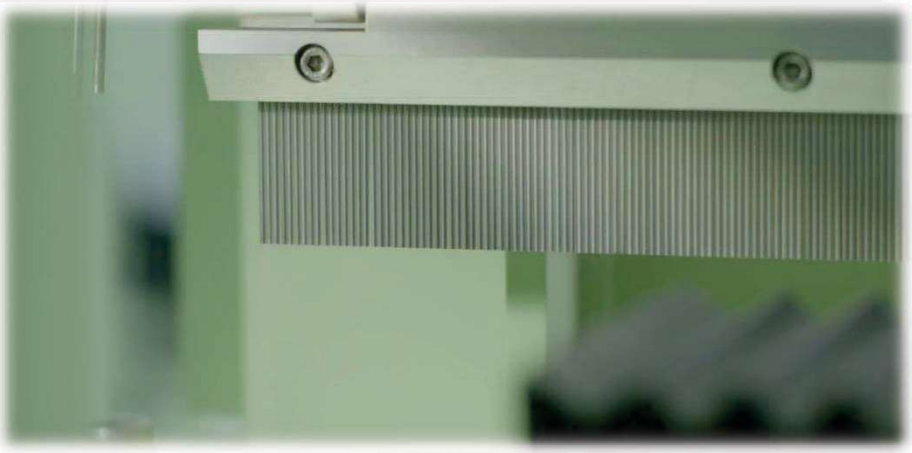
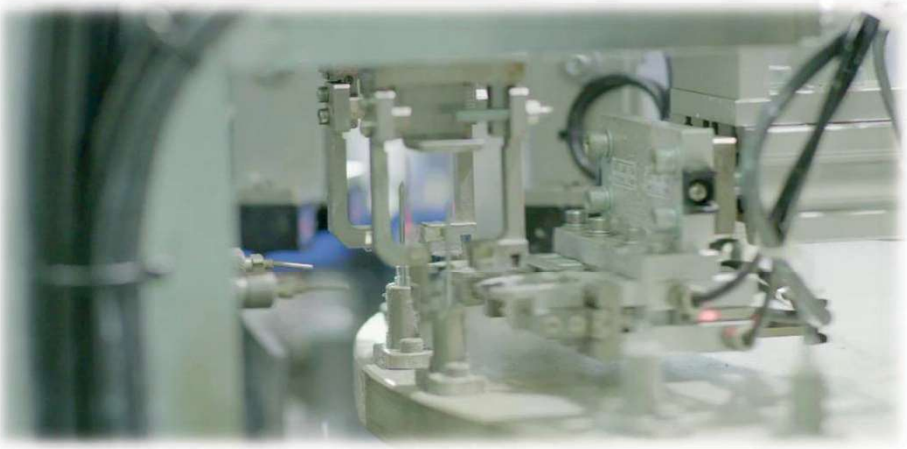
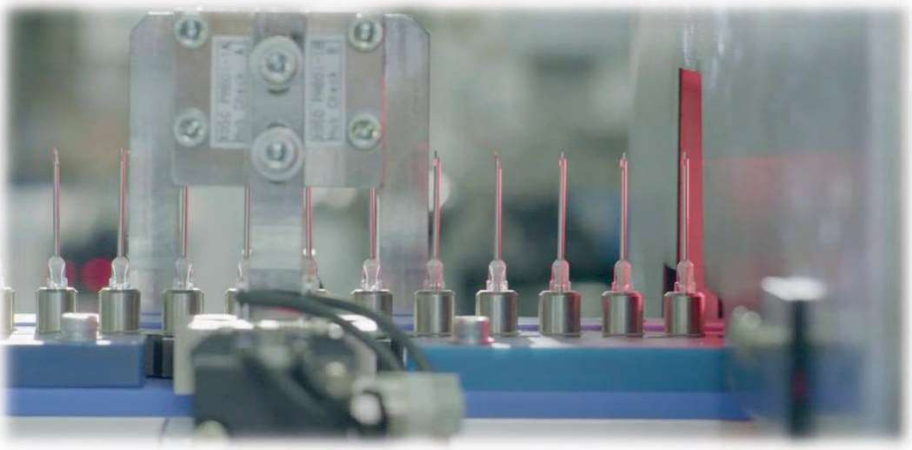


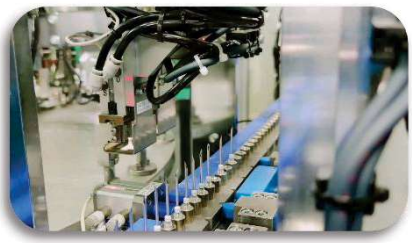
100%
Self-Grinding

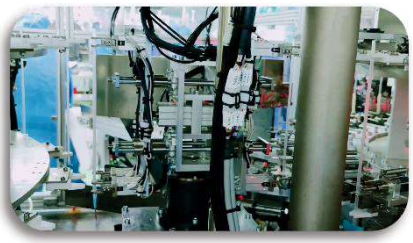
100%
Automatic Assembling

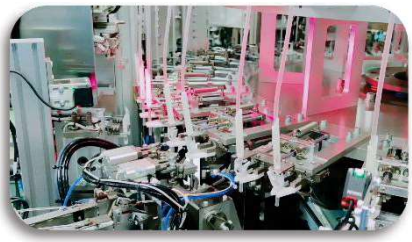




100%
Online Checking







DORA®

Standard Sharp Needles

- DEHP / DEHP-FREE
- LATEX-FREE
- Irradiation / EtO Sterilization
- Single-Pack / Twin-Pack

Ultra Sharp and Siliconized Advance d Bevel Needle

Ensure smooth and optimal puncture an d prevents vessel trauma

Soft Flexible Tubing

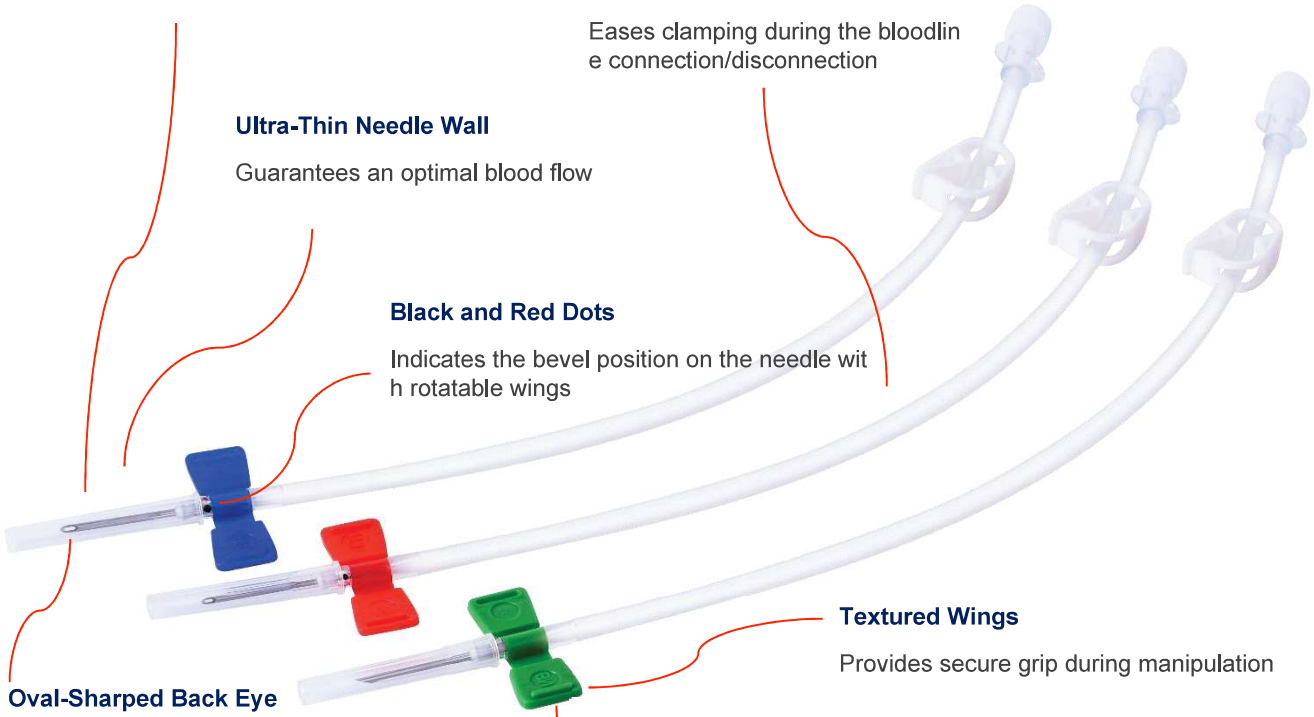
Eases clamping during the bloodlin e connection/disconnection

Ultra-Thin Needle Wall

Guarantees an optimal blood flow

Black and Red Dots

Indicates the bevel position on the needle wit h rotatable wings



Textured Wings

Provides secure grip during manipulation

Oval-Sharped Back Eye

Optimizes blood flow and minimizes the risk of aspiration to the vessel wall

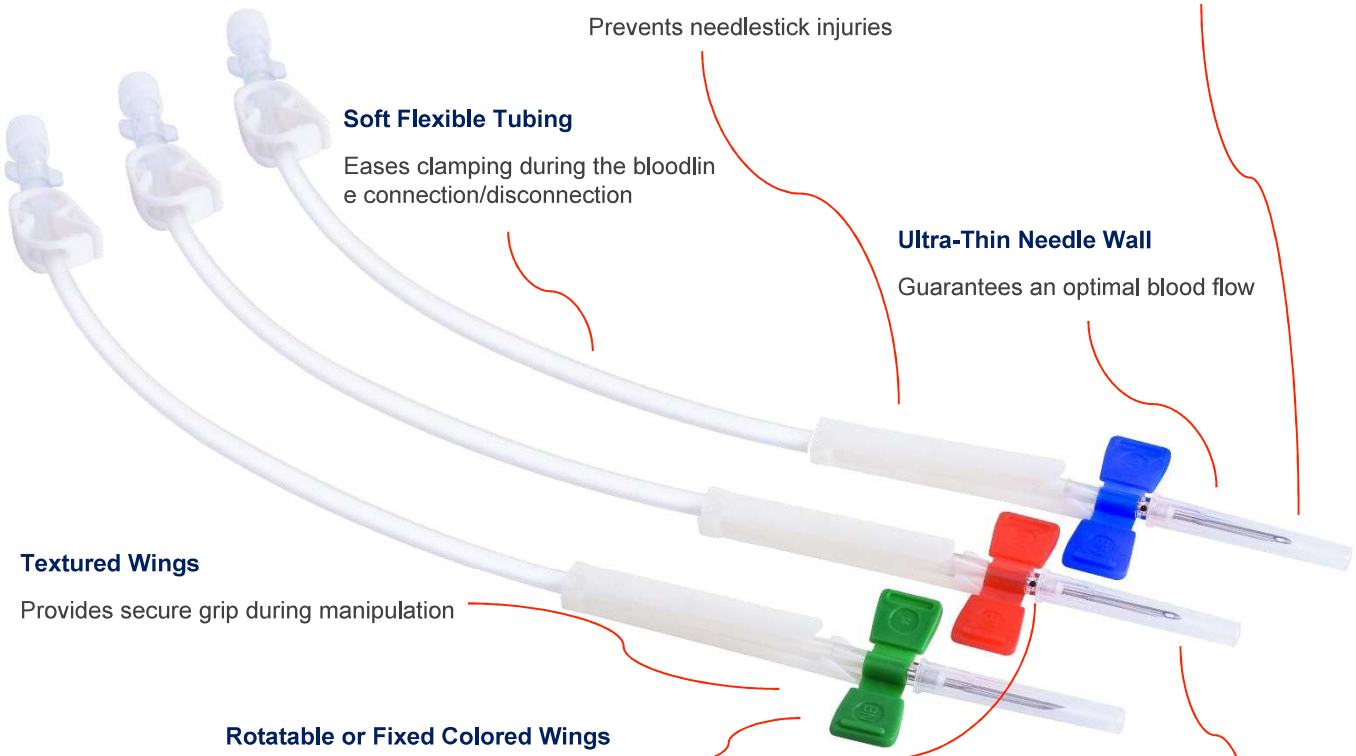
Rotatable or Fixed Colored Wings

Facilitates the recognition of gauge size

DORA®

Safety Needle Series

- DEHP / DEHP-FREE
- LATEX-FREE
- Irradiation / EtO Sterilization
- Single-Pack / Twin-Pack



Ultra Sharp and Siliconized Advanced Bevel Needle

Ensure smooth and optimal puncture and prevents vessel trauma

Protection Sheath ☆☆

Prevents needlestick injuries

Soft Flexible Tubing

Eases clamping during the bloodline connection/disconnection

Ultra-Thin Needle Wall

Guarantees an optimal blood flow

Textured Wings

Provides secure grip during manipulation

Rotatable or Fixed Colored Wings

Facilitates the recognition of gauge size

Oval-Sharped Back Eye

Optimizes blood flow and minimizes the risk of aspiration to the vessel wall

Black and Red Dots

Indicates the bevel position on the needle with rotatable wings

NEEDLESTICK INJURIES

Every year, healthcare professionals are affected by needlestick and sharps injuries.

Since 1 in 5 patients in dialysis centers globally are considered “at risk” for HIV and Hepatitis B and C, NEEDLESTICK INJURIES are a major occupational hazard for both healthcare professionals and hos pitals.

EXTRA PRESSURE ON HEALTHCARE PROFESSIONALS

- After a NSI and before contamination is confirmed or denied:
  - Stress and decreased productivity

- For those who contract a disease as a result of their injury:
  - Lifelong consequences
  - Physical and emotional adjustment
  - Financial burdens
  - Inability to continue working in the healthcare profession in some cases

ADDITIONAL BURDENS FOR HOSPITALS

- Costs for testing viral contamination, compensation, and leave of absence
- Loss of professional knowledge and time spent training new persons

Safety Needle Series

- **Reduced risk of needle stick injury**
- **Non-reversible mechanism**
- **Active safety feature using a one-handed technique**
- **Secured locking confirmed by a tactile click**

1. One hand press gauze before ne edle removal; the other hand put pr otection sheath close to the wing.

2. Adjust the direction of protection sheath, ensure wing is parallel to pr otection sheath slot.

3. Use thumb and forefinger to hold the tail of protection sheath, carefull y pull back tubing to withdraw needl e.

4. Continue pulling back tubing, ma ke needle part slide into protection sheath.

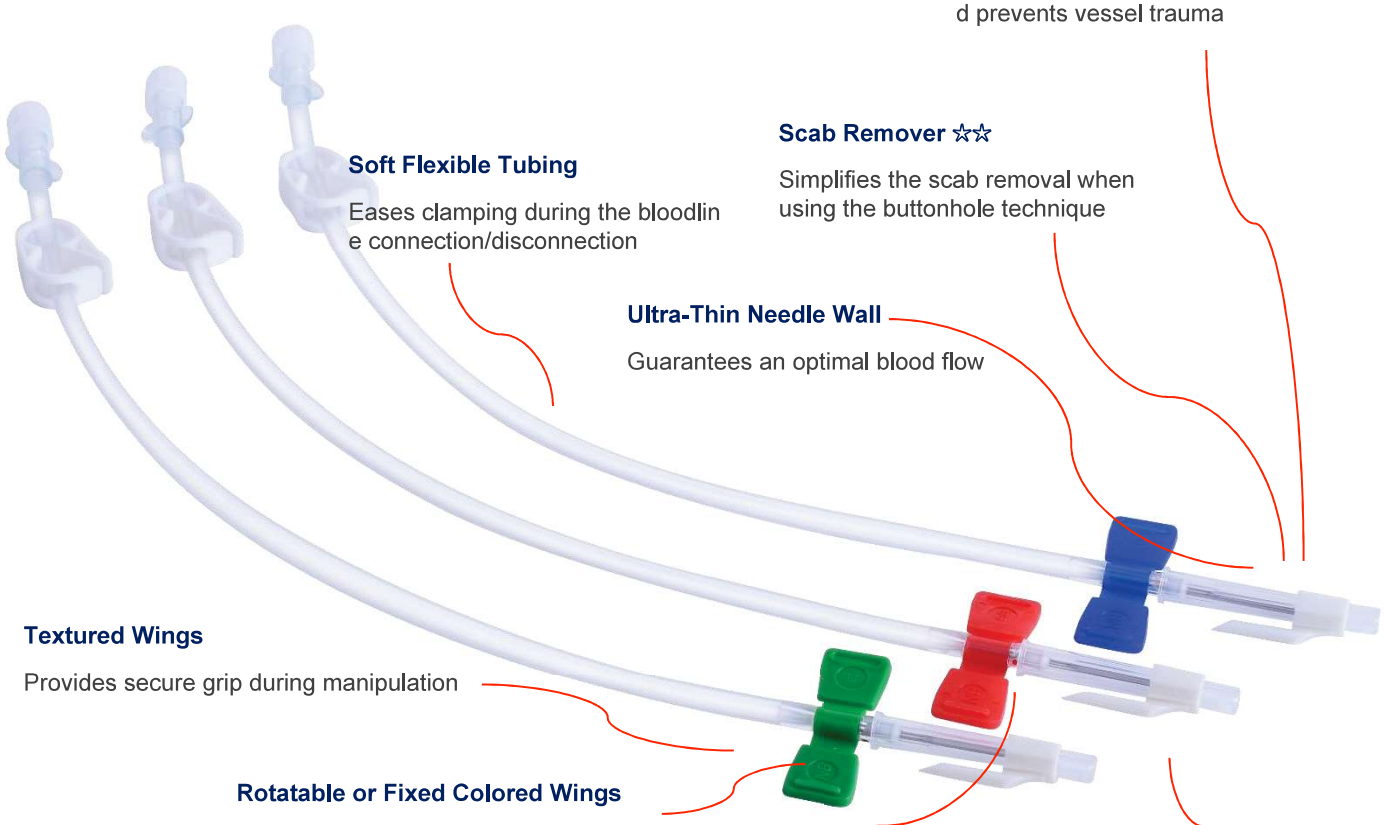
5. Continue pulling back tubing until needle slide into protection sheath slot, meanwhile, middle finger and f orefinger from the other hand gently press puncture point.

6. Check whether needle fully locks in the slot completely, then prepare for discard.

DORA®

Dull Needle Series

- DEHP / DEHP-FREE
- LATEX-FREE
- Irradiation / EtO Sterilization
- Single-Pack / Twin-Pack



Siliconized Dull Needle

Ensure smooth and optimal puncture and prevents vessel trauma

Scab Remover ☆☆

Simplifies the scab removal when using the buttonhole technique

Soft Flexible Tubing

Eases clamping during the bloodline connection/disconnection

Ultra-Thin Needle Wall

Guarantees an optimal blood flow

Textured Wings

Provides secure grip during manipulation

Rotatable or Fixed Colored Wings

Facilitates the recognition of gauge size

Black and Red Dots

Indicates the bevel position on the needle with rotatable wings

Oval-Sharped Back Eye

Optimizes blood flow and minimizes the risk of aspiration to the vessel wall

Buttonhole Technique

Experience how the buttonhole technique can help you maximize patient comfort, provide a better exp erience for your medical staff, and improve your center's efficiency.

OPTIMIZED PATIENT COMFORT

- Reduces pain
- Minimizes potential needling error and hematoma formation
- Increases freedom for home dialysis patients, as they can self-cannulate
- Esthetical aspect: reduces aneurysmal formation and only 2 puncture sites
- Decreases bleeding time
- Diminishes tunnel track deformation
- Reduces penetration force

IMPROVED OPERATIONAL EFFICIENCY

- Extends life of the vascular access
- Decreases amount of needle attempts
- Reduces workload: shorter bleeding time, prevents rebleeding, avoids hematoma and linked complications

Dull Needle Series

- **Specially designed to be used with the buttonhole technique**
- **Easy to handle**
- **Optimal blood flow**

1. Disinfect skin and buttonhole wh ere is intended to be punctured.

2. Use scab remover to remove butt onhole scab.

3. Align needle cannula with bevel f acing up over the buttonhole site.

4. Insert needle into established but tonhole track carefully.

5. Ensure same angle, depth of ins ertion during each puncture

6. Fix cannula on the puncture site by medical adhesive tape; Accordin g to the above-mentioned guidance, the same operation to the other nee dle set.

Available Specification

	Sharp Needle	Safety Needle	Dull Needle
Gauge	14G, 15G, 16G, 17G		
Needle Length	15mm, 20mm, 25mm, 32mm		
Tube Length	150mm, 300mm		
Wing	Rotatable, Fixed		
Back eye	With back eye, Without back eye		
Clamp	White		
Sterilization	Irradiation / EtO		

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