



# PINE BM

CLOSING WOUNDS,  
OPENING POSSIBILITIES

BARBED SUTURES  
ABSORBABLE SUTURES



## PRECISION-ENGINEERED SUTURES FOR BETTER HEALING

# PINE BM

Founded in 2011, Pine BM has become a leading innovator in the Korean suture market.

Our commitment to quality has earned us a strong reputation, with our products being trusted by medical professionals in over 30 countries, including the United States, Europe, the Middle East, and Southeast Asia. We pride ourselves on delivering high-quality sutures that meet the diverse needs of healthcare providers worldwide. Choose Pine BM for reliable, globally recognized suture solutions.

**EXPERTISE** Delivering superior products and services through advanced medical knowledge and technology.

**INNOVATION** Creating new medical solutions with ongoing research and technological advancements.

**EFFICIENCY** Providing outstanding, cost-effective solutions by optimizing resources.

**TRUST** Building long-term partnerships based on reliability and customer confidence.



### + Needle

We use needles that have been thoroughly verified for quality and technical expertise.

<p><b>40</b> Years of Manufacturing History</p>	<p>Production of more than <b>238.6</b> million needles per year</p>	<p><b>30,000</b> Types of medical needles produced</p>
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### + Suture Case

The package focuses on not just suture use, but also the entire suturing experience, including **pre - and post - suturing stages.**

All medical professionals, regardless of their direct involvement in suturing, benefit from Korea's first Race Track Package, engineered for intuitive suture management.

### + Suture

Certified with CE, ISO 13485 and KGMP, receiving top reviews from customers worldwide.



# BARBED SUTURE | VSORB



## SIMPLIFY SURGERY WITH PINE BM'S BARBED SUTURES :

efficient, reliable, and effective.



### + VSORB

Description	<b>Knotless Wound Closure Device</b>
Structure	- Unidirectional barbed monofilament with end loop - Bidirectional barbed monofilament with double needle
Barbing Pattern	Spiral barbing
Composition	Polydioxanone
Color	Violet
Absorption Profile	180-210 days
USP range	4/0 - 2
Length	14cm-72cm

### Dual-angle cut

Dual-angle cut



The lower cut angle offers superior anchoring force, while a shallow cut depth maintains the strand's strength.

### Product Features

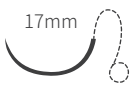
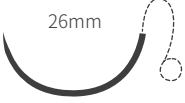



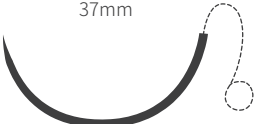
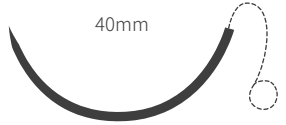

- Dual-angle cut barb design
- Absorbable no-knot wound closure device
- Double needle with bi-directional barbs
- Anchoring loop with uni-directional barbs

### Advantages

 Consistent Tension	 Efficient Suturing	 Enhanced Security	 Time-Saving	 Reduced Suture 'Spitting'
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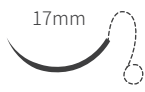

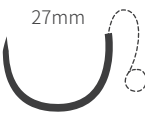





# VSORB + END LOOP with unidirectional barbs

VIOLET

NEEDLE (mm)	SUTURE (cm)						
Taper Point 1/2	2	1	0	2-0	3-0	4-0	
 <p>17mm</p>					<b>15cm</b> DV3015T217CE	<b>15cm</b> DV4015T217CE	
					<b>23cm</b> DV3023T217CE	<b>23cm</b> DV4023T217CE	
					<b>30cm</b> DV3030T217CE	<b>30cm</b> DV4030T217CE	
					<b>45cm</b> DV3045T217CE	<b>45cm</b> DV4045T217CE	
 <p>26mm</p>					<b>15cm</b> DV3015T226CE	<b>15cm</b> DV4015T226CE	
					<b>23cm</b> DV3023T226CE	<b>23cm</b> DV4023T226CE	
					<b>30cm</b> DV2030T226CE	<b>30cm</b> DV3030T226CE	<b>30cm</b> DV4030T226CE
		<b>45cm</b> DV0245T226CE	<b>45cm</b> DV0145T226CE	<b>45cm</b> DV0045T226CE	<b>45cm</b> DV2045T226CE	<b>45cm</b> DV3045T226CE	<b>45cm</b> DV4045T226CE
					<b>15cm</b> DV2015T227CE		
					<b>23cm</b> DV2023T227CE		
 <p>27mm</p>					<b>30cm</b> DV2030T227CE		
					<b>45cm</b> DV2045T227CE		
					<b>45cm</b> DV0045T227CE		
 <p>30mm</p>					<b>23cm</b> DV2023T230CE	<b>23cm</b> DV3023T230CE	
 <p>36mm</p>					<b>45cm</b> DV0045T236CE		
 <p>37mm</p>					<b>15cm</b> DV2015T237CE		
					<b>23cm</b> DV2023T237CE	<b>23cm</b> DV3023T237CE	
					<b>30cm</b> DV0030T237CE	<b>30cm</b> DV2030T237CE	<b>30cm</b> DV3030T237CE
		<b>45cm</b> DV0145T237CE	<b>45cm</b> DV0045T237CE	<b>45cm</b> DV2045T237CE	<b>45cm</b> DV3045T237CE		
					<b>60cm</b> DV0060T237CE	<b>60cm</b> DV2060T237CE	
 <p>40mm</p>					<b>45cm</b> DV0045T240CE		
 <p>48mm</p>					<b>30cm</b> DV0030T248CE		
					<b>45cm</b> DV0045T248CE		
					<b>60cm</b> DV0060T248CE		

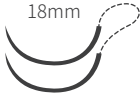
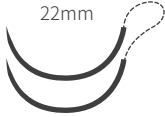
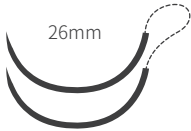
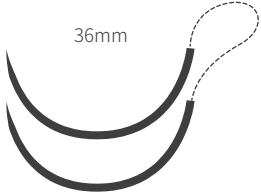
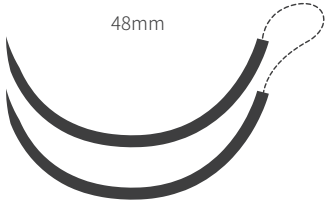
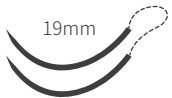
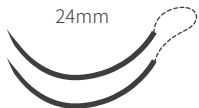
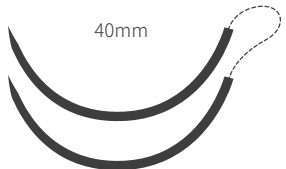
# VSORB + END LOOP with unidirectional barbs

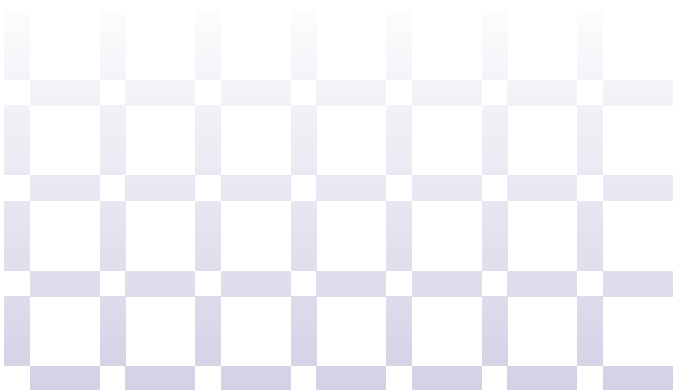
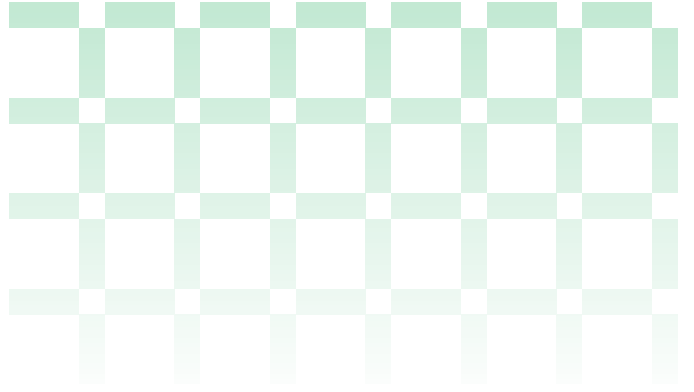
VIOLET

NEEDLE (mm)	SUTURE (cm)					
Taper Point 3/8 	2	1	0	2-0	3-0	4-0
17mm 					15cm DV3015T317CE	15cm DV4015T317CE
Taper Point 5/8 	2	1	0	2-0	3-0	4-0
27mm 					15cm DV3015T527CE	
					23cm DV3023T527CE	
Reverse Cutting 3/8 	2	1	0	2-0	3-0	4-0
16mm 						30cm DV4030R316CE
17mm 			30cm DV0030R317CE	30cm DV2030R317CE	30cm DV3030R317CE	
			45cm DV0045R317CE		45cm DV3045R317CE	45cm DV4045R317CE
				15cm DV2015R319CE	15cm DV3015R319CE	15cm DV4015R319CE
				30cm DV2030R319CE	30cm DV3030R319CE	30cm DV4030R319CE
19mm 			45cm DV2045R319CE	45cm DV3045R319CE	45cm DV4045R319CE	
			58cm DV2058R319CE	58cm DV3058R319CE	58cm DV4058R319CE	
			60cm DV2060R319CE	60cm DV3060R319CE		
				30cm DV2030R324CE	30cm DV3030R324CE	30cm DV4030R324CE
			45cm DV2045R324CE	45cm DV3045R324CE	45cm DV4045R324CE	
			58cm DV2058R324CE	58cm DV3058R324CE	58cm DV4058R324CE	
			60cm DV2060R324CE	60cm DV3060R324CE		
					45cm DV3045R330CE	
30mm 						

# VSORB + DOUBLE NEEDLE with bidirectional barbs

VIOLET

NEEDLE	SUTURE (cm)					
Taper Point 1/2 ◐	2	1	0	2-0	3-0	4-0
18mm 				16 x 16 cm DV2032T218DD	16 x 16 cm DV3032T218DD	
22mm 			14 x 14 cm DV0128T222DD			
26mm 				10 x 10 cm DV0020T226DD		
					14 x 14 cm DV0028T226DD	
36mm 				7 x 7 cm DV0014T236DD		
		14 x 14 cm DV0228T236DD	14 x 14 cm DV0128T236DD	14 x 14 cm DV0028T236DD		
		24 x 24 cm DV0248T236DD	24 x 24 cm DV0148T236DD	24 x 24 cm DV0048T236DD		
		30 x 30 cm DV0260T236DD	30 x 30 cm DV0160T236DD			
		36 x 36 cm DV0272T236DD		36 x 36 cm DV0072T236DD		
48mm 						36 x 36 cm DV0272T248DD
Reverse Cutting 3/8 ▽	2	1	0	2-0	3-0	4-0
19mm 					14 x 14 cm DV3028R319DD	
				30 x 30 cm DV2060R319DD	30 x 30 cm DV3060R319DD	
24mm 				30 x 30 cm DV2060R324DD	30 x 30 cm DV3060R324DD	
Reverse Cutting 1/2 ▽	2	1	0	2-0	3-0	4-0
40mm 						36 x 36 cm DV0272R240DD



# +PINE BM

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