

2.7 MM VA LCP™ CLAVICLE SYSTEM

Designed
to go unnoticed^{1,2,3,4,5}

Thinner
plate profile^{*1,2,3,4}

Low construct
prominence and
enhanced
plate-to-bone fit^{**1,2,3,4,6,7}

Higher construct static
strength^{1,3,8}



Shaft Plate



Lateral Plate



Medial Plate

2.7 mm VA LCP™ Clavicle System Plate Types

*Plates are thinner, provide a more accurate plate-to-bone fit and are less prominent than Stryker VariAx 2 Clavicle System, Acumed Clavicle System and DePuy Synthes 3.5mm LCP™ Clavicle System^{1,2,3,4}

**Compared to Stryker VariAx 2 Clavicle System and Acumed Clavicle System.

AO

approved by
AO Technical
Commission

 **DePuy Synthes**
THE ORTHOPAEDICS COMPANY OF *Johnson & Johnson*

Mapping Clavicle Variation. Advancing Anatomical Fit⁹

One of the most common complications when treating clavicle fractures operatively is the need for hardware removal due to irritation caused by prominent plates.¹⁰ The DePuy Synthes 2.7 mm Variable Angle LCP™ Clavicle Plates (VA Clavicle Plates) are engineered to reduce prominence with a lower profile plate and better plate-to-bone fit^{*1,2,3,4}

Designed
from
+600
Clavicle
Scans

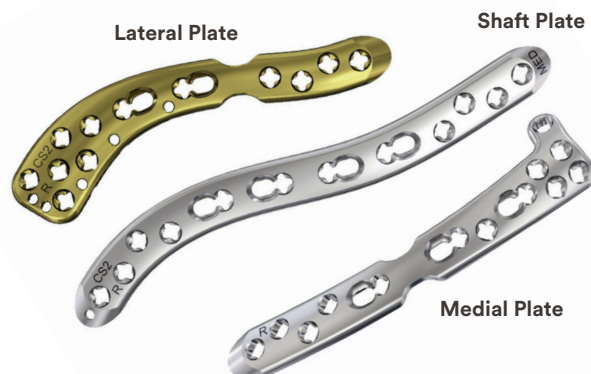
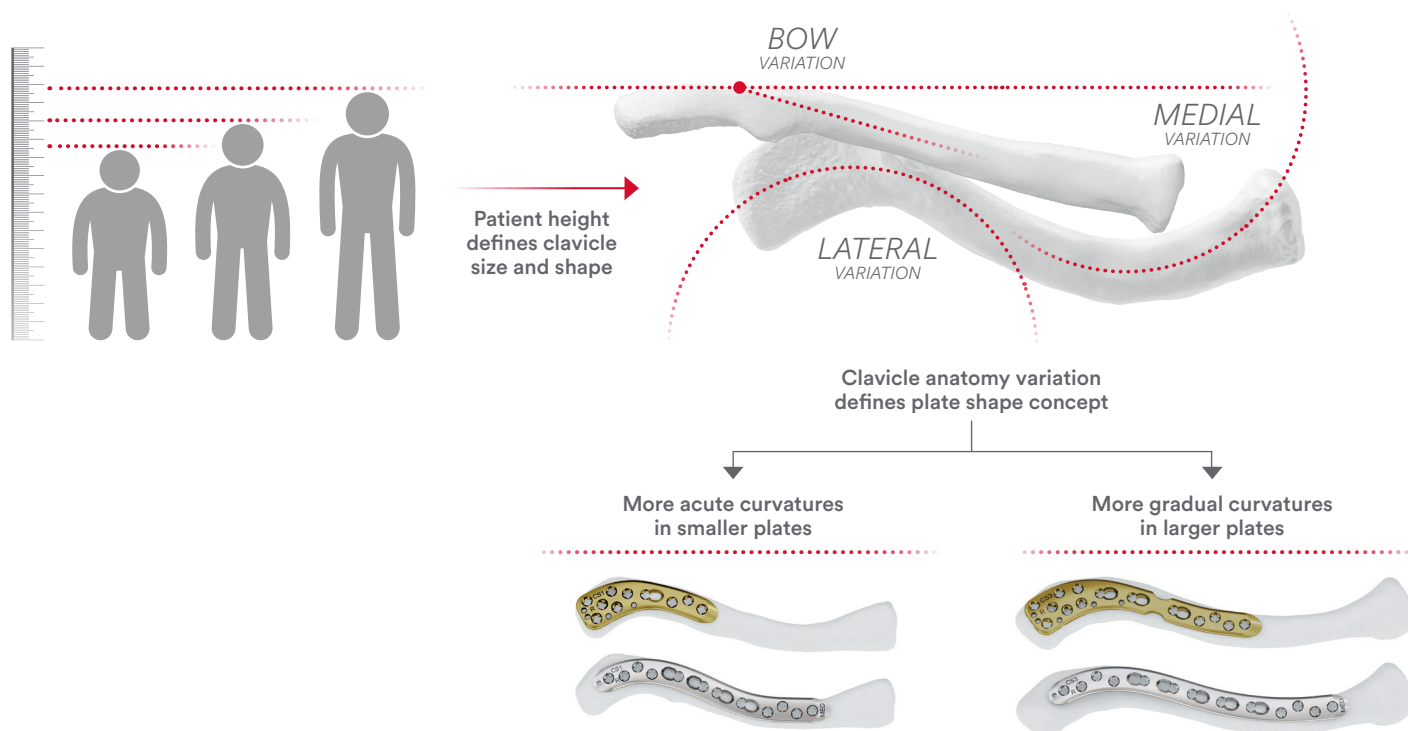


Plate design based on an analysis of more than 600 clavicle CT scans from a broad based population to enhance plate-to-bone fit on a broad range of patients⁹

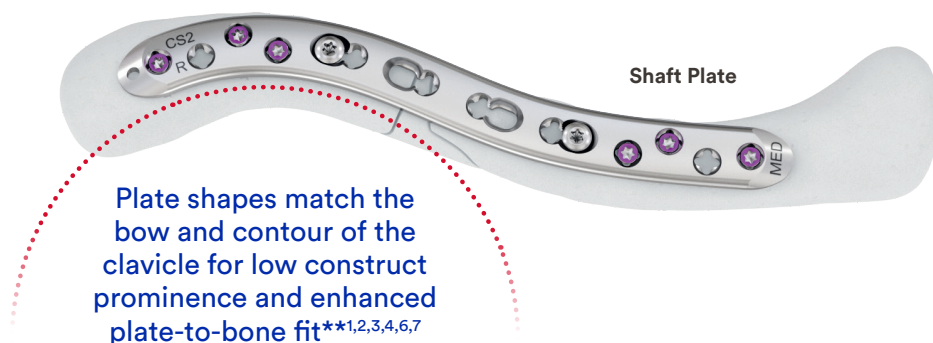
Designed with advanced anatomic mapping to address clavicle variability and the correlation between patient stature and clavicle size to improve plate-to-bone fit⁹









*Compared to Stryker VariAx 2 Clavicle System, Acumed Clavicle System and DePuy Synthes 3.5 LCP™ Clavicle System.

Simplified Plate Selection*⁶

Patient height defined plate shapes and sizes, including plates designed for small, medium and large stature patients⁶



Lateral and Shaft Plates Available in 3 Sizes

Different plate sizes have different curvatures and lengths	Patient Height < 5'3" Clavicle Length <140 mm Clavicle Size 1 (CS1)		
	Patient Height 5'1" - 5'9" Clavicle Length 135 - 155 mm Clavicle Size 2 (CS2)		
	Patient Height > 5'7" Clavicle Length >150 mm Clavicle Size 3 (CS3)		

|| = Fracture location

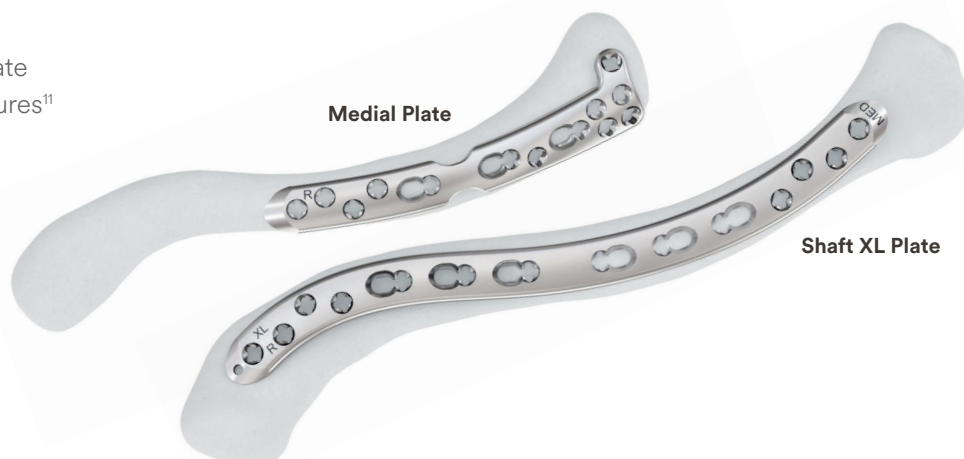
Additional Plate Options to Cover More Clinical Scenarios

Medial Plate

First system to include a dedicated plate designed to treat medial clavicle fractures¹¹

Shaft XL Plate

For shaft fractures that require a longer working length



*Compared to clavicle systems that use screw holes to define plate size. **Compared to Stryker VariAx 2 Clavicle System and Acumed Clavicle System.

Reduced Construct Prominence^{*1,3,8}

VA LCP™ Clavicle Plates are thinner, provide a more accurate plate-to-bone fit and are less prominent than Stryker VariAx 2 Clavicle System, Acumed Clavicle System and DePuy Synthes 3.5mm LCP™ Clavicle System^{1,2,3,4}

Re-engineered clavicle system with thinner plate profile^{**1,2,3,4}

→ **21% thinner**

than Stryker VariAx 2 Midshaft and Lateral Plates⁴

→ **13% thinner**

than the DePuy Synthes 3.5 LCP™ Superior Clavicle Plates⁴

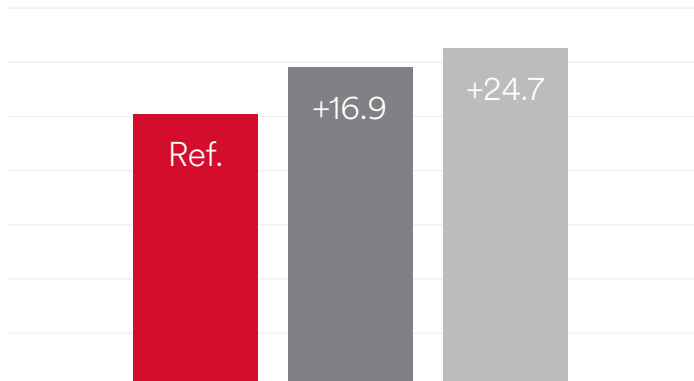
→ **Thinner**

than Acumed Superior Midshaft and Distal Clavicle Plates⁴

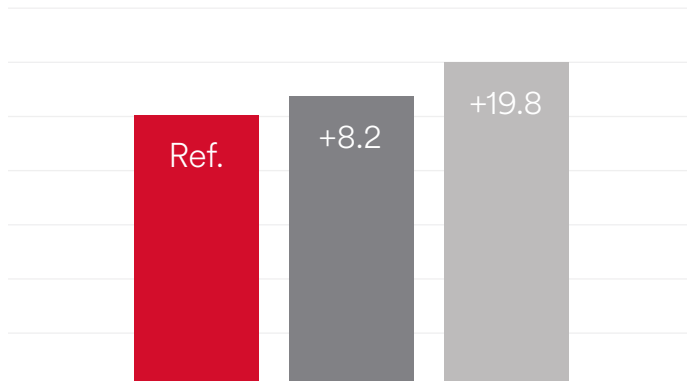


Plating Prominence^{1,3}

Shaft Plates
Prominence Increase (%)



Lateral Plates
Prominence Increase (%)



■ DePuy Synthes VA Clavicle System ■ Acumed Clavicle System ■ Stryker VariAx 2 Clavicle System

^{*}Compared to the DePuy Synthes 3.5mm LCP™ Superior Clavicle Plates.

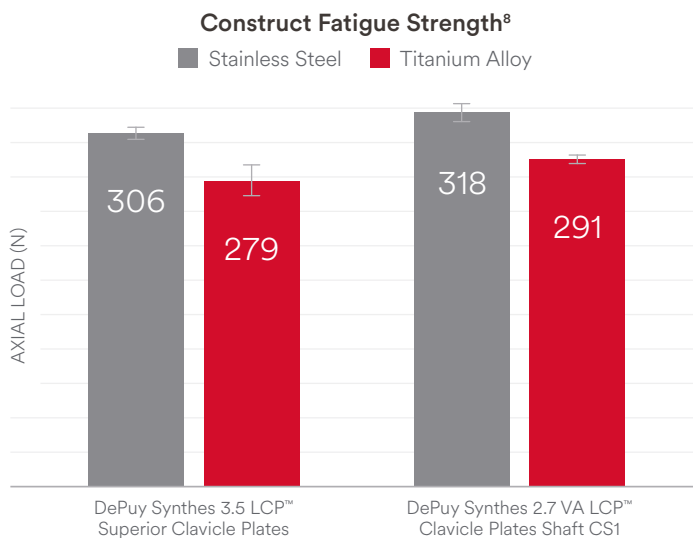
^{**}Compared to Stryker VariAx 2 Clavicle System, Acumed Clavicle System and DePuy Synthes 3.5 LCP™ Clavicle System.

Equivalent construct strength compared to the larger DePuy Synthes 3.5mm LCP™ Superior Clavicle Plates^{1,3,8}

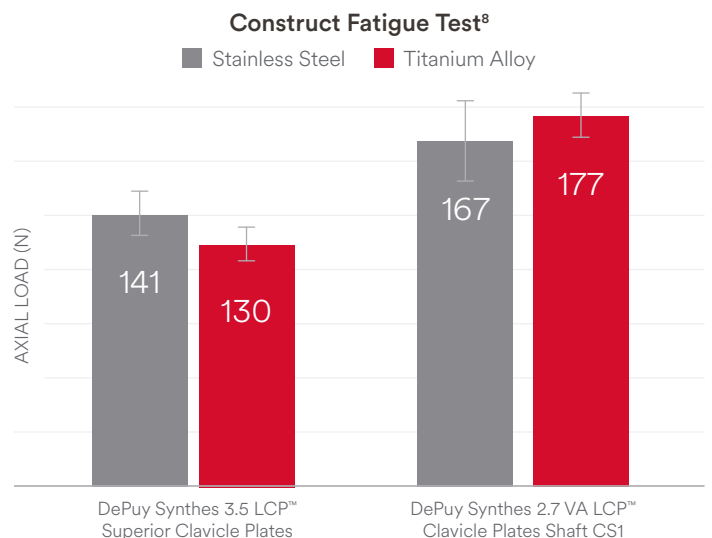
The mechanical performance of the VA Clavicle Plates was compared to the larger DePuy Synthes 3.5 mm LCP™ Superior Clavicle Plates. The VA Clavicle Plates have:

→ **Higher**
construct static strength^{*1,3,8}

→ **Equivalent**
construct fatigue strength^{*1,3,8}



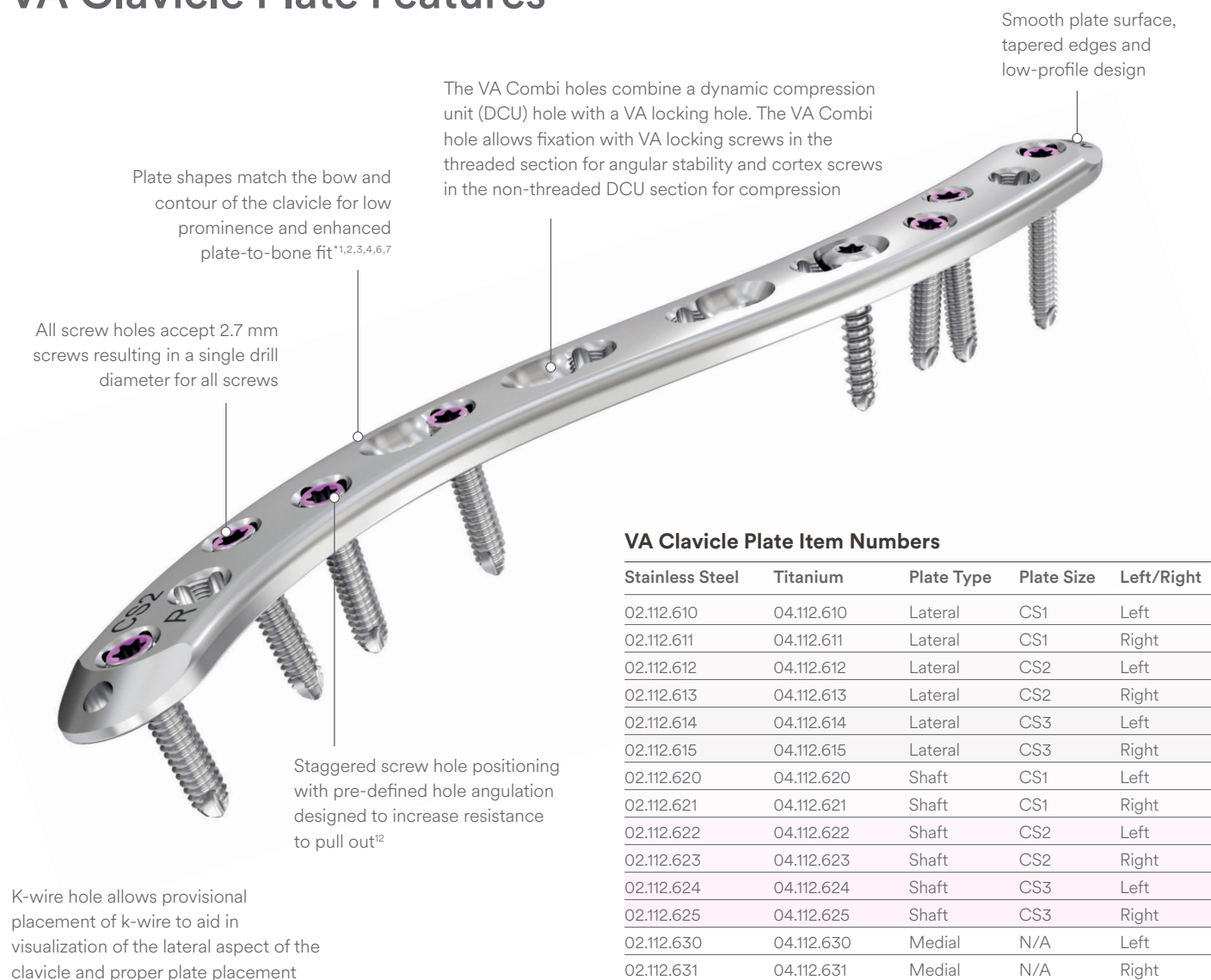
Construct Strength Results for Static Load-to-Failure Tests



Construct Fatigue Strength Results for Cyclic Tests (1,000,000 cycles)

^{*}Compared to the DePuy Synthes 3.5mm LCP™ Superior Clavicle Plates.

VA Clavicle Plate Features



*Compared to Stryker VariAx 2 Clavicle System and Acumed Clavicle System.

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Please refer to the instructions for use for a complete list of indications, contraindications, warnings and precautions.

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Manufactured by:
Synthes GmbH
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Switzerland

Note: For recognized manufacturer, refer to the product label.

www.depuyssynthes.com

VA Clavicle Plate Item Numbers

Stainless Steel	Titanium	Plate Type	Plate Size	Left/Right
02.112.610	04.112.610	Lateral	CS1	Left
02.112.611	04.112.611	Lateral	CS1	Right
02.112.612	04.112.612	Lateral	CS2	Left
02.112.613	04.112.613	Lateral	CS2	Right
02.112.614	04.112.614	Lateral	CS3	Left
02.112.615	04.112.615	Lateral	CS3	Right
02.112.620	04.112.620	Shaft	CS1	Left
02.112.621	04.112.621	Shaft	CS1	Right
02.112.622	04.112.622	Shaft	CS2	Left
02.112.623	04.112.623	Shaft	CS2	Right
02.112.624	04.112.624	Shaft	CS3	Left
02.112.625	04.112.625	Shaft	CS3	Right
02.112.630	04.112.630	Medial	N/A	Left
02.112.631	04.112.631	Medial	N/A	Right
02.112.712S	04.112.712S	Shaft	XL	Left
02.112.713S	04.112.713S	Shaft	XL	Right

References

1. DePuy Synthes Shape Verification Analysis - Shaft, 7/28/20 Windchill #0000290902.
2. DePuy Synthes Shape Verification Analysis - Shaft XL, 5/5/20 Windchill #0000295170
3. DePuy Synthes Shape Verification Analysis - Lateral, 7/28/20 Windchill #0000290186
4. DePuy Synthes Shape Verification Analysis - Thickness Segmental Plates, 5/4/20 Windchill #0000290903.
5. DePuy Synthes Hook Shape Verification Analysis, 2/21/20 Windchill #0000290741
6. Engineering Memo - Morphology, 7/31/18 Windchill #0000273619.
7. Fontana AD, Hoyer HA, Blauth M, et al. The variance of clavicle surface morphology is predictable: an analysis of dependent and independent metadata variables. JSES International, <https://doi.org/10.1016/j.jseint.2020.05.004>.
8. DePuy Synthes Benchmark Testing Report - LCP® Superior, 8/3/20 Windchill 0000294541.
9. DePuy Synthes Engineering Analysis - Morphology of 600 Bones, 5/5/20 Windchill #0000294539.
10. Iannotti MR, Crosby LA, Stafford P, Grayson G, Goulet R. Effects of plate location and selection on the stability of midshaft clavicle osteotomies: a biomechanical study. J Shoulder Elbow Surg. 2002;11(5):457-462.
11. DePuy Synthes Competitive Analysis - Medial Plate, 8/26/20 Windchill#0000294555
12. DePuy Synthes Benchmark Analysis - Staggered Screw Holes, 9/8/20 Windchill #0000294556.