INTRODUCING THE

2.7 MM VA LCP® CLAVICLE SYSTEM

DESIGNED TO GO UNNOTICED[†,1]

2.7 mm VA LCP® Clavicle System Plate Types

SHAFT PLATE

LATERAL PLATE

MEDIAL PLATE

THINNER PLATES[*,†,1]

MORE ACCURATE PLATE-TO-BONE FIT[**,†,1]

REDUCED CONSTRUCT PROMINENCE[**,†,1]

COMPARABLE STRENGTH[***,2,3]

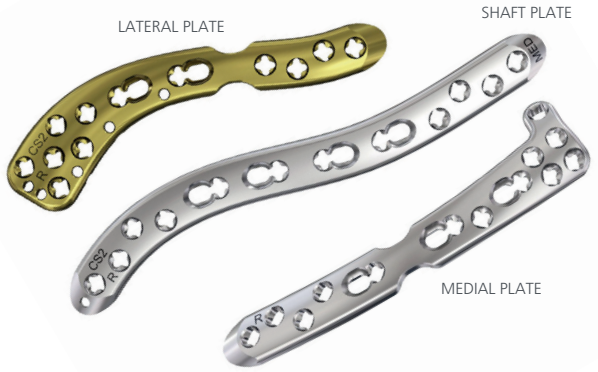
DePuy Synthes

PART OF THE Johnson & Johnson FAMILY OF COMPANIES

[†] DePuy Synthes Shape Verification Analyses, see reference 1. * Compared to Stryker VariAx 2 Clavicle System, Acumed Clavicle System and DePuy Synthes 3.5 LCP® Clavicle System. ** Compared to Stryker VariAx 2 Clavicle System and Acumed Clavicle System. *** Compared to DePuy Synthes 3.5 mm LCP® Superior Clavicle Plates. DePuy Synthes Benchmark Testing and Shape Analyses, see references 2 and 3.

ADVANCING ANATOMICAL FIT BY MAPPING CLAVICLE VARIATION[+,4,5]

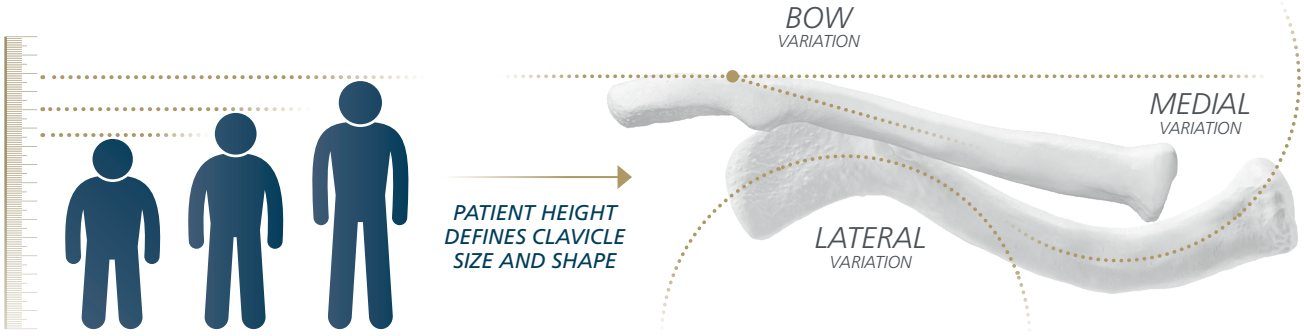
One of the most common complications when treating clavicle fractures operatively is the need for hardware removal due to irritation caused by prominent plates.[6] The DePuy Synthes 2.7 mm Variable Angle (VA) LCP® Clavicle Plates (VA Clavicle Plates) were therefore designed to treat lateral, shaft and medial fractures in small, medium and large clavicles with **low construct prominence** and an **enhanced plate-to-bone fit.**[7,8]



DESIGNED FROM +600 CLAVICLE SCANS[+,4,5]

Based on DePuy Synthes' extensive analysis of 15 anatomical parameters on **more than 600 clavicle CT scans,**[+,4,5] the VA Clavicle Plate shapes are **designed to match the bow and contour of the clavicle**[+,4,5] with enhanced plate-to-bone fit on a broad range of patients for lower construct prominence.[**,5,7]

PLATE SHAPE CONCEPT REFLECTS CORRELATION BETWEEN PATIENT HEIGHT AND CLAVICLE SIZE[1,4,5,9]



CLAVICLE ANATOMY VARIATION DEFINES PLATE SHAPE CONCEPT

MORE ACUTE CURVATURES IN SMALLER PLATES

MORE GRADUAL CURVATURES IN LARGER PLATES

The VA Clavicle System offers unique plate shapes that reflect the **correlation between patient stature and clavicle size** (CS) and **match the bow and contour of the clavicle**[1,4,5,9] to accommodate a broad range of clavicle anatomical variation.

[+] DePuy Synthes. Shape Verification Analyses, see references 4 and 5. [**] Compared to Stryker VariAx 2 Clavicle System and Acumed Clavicle System, see references 5 and 7.

SIMPLIFIED PLATE SELECTION BASED ON PATIENT HEIGHT[#,9]

Because clavicle anatomy varies based on patient height, DePuy Synthes offers **multiple plate sizes with different shapes, curvatures and lengths.**[1,4,5]

LATERAL AND SHAFT PLATES COME IN 3 SIZES

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

= Fracture location

ADDITIONAL PLATE OPTIONS TO COVER MORE CLINICAL SCENARIOS

MEDIAL PLATE

The **first system with a dedicated medial plate** designed to treat medial clavicle fractures[10]

XL SHAFT PLATE

XL shaft plate is designed for extended shaft fractures in large (CS3) clavicles[11]

Compared to clavicle systems that use screw holes to define plate size, see reference 9. + DePuy Synthes. Shape Verification Analyses, see references 4 and 5.

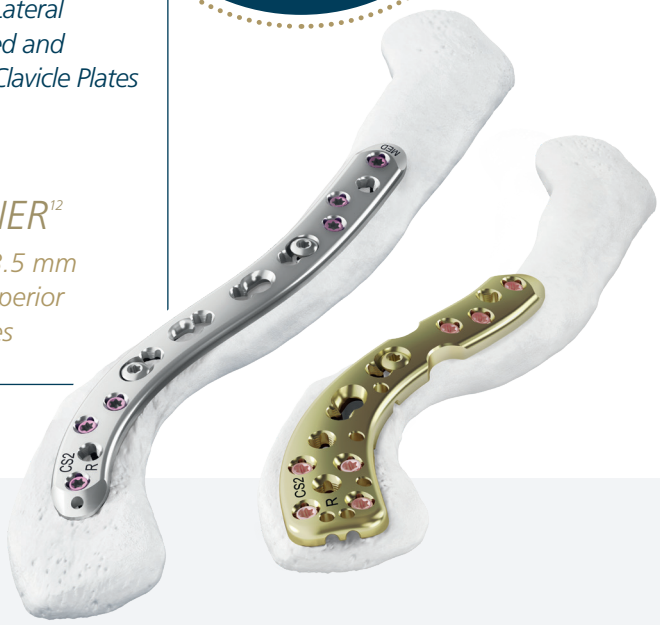
REDUCED CONSTRUCT PROMINENCE^,1

VA 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 3.5 mm LCP® Clavicle System.^,1

THINNER PLATE & ACCURATE PLATE-TO-BONE FIT = LOWER CONSTRUCT PROMINENCE^,1

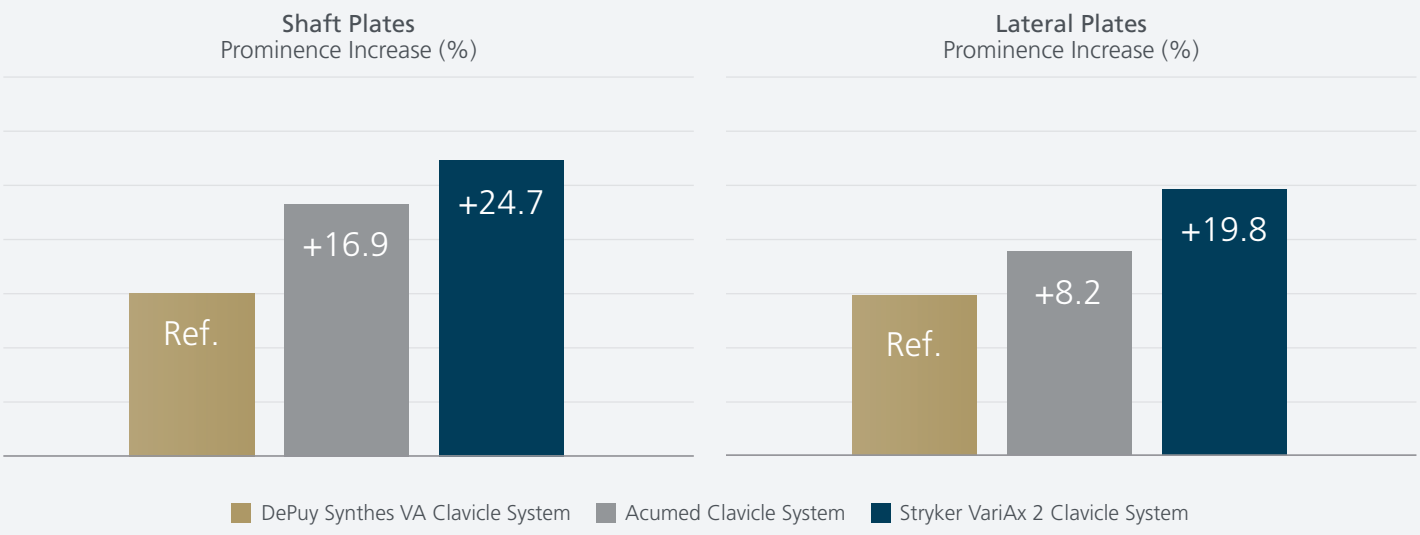
VA CLAVICLE PLATES HAVE A THINNER PLATE PROFILE^,1

- → ***24% THINNER***[12] *than Acumed Superior Midshaft, Low-profile and Narrow-profile, Clavicle Plates*
- → ***21% THINNER***[12] *than Stryker Superior Lateral and Midshaft, Increased and Decreased Curvature, Clavicle Plates*
- → ***13% THINNER***[12] *than Acumed Superior Distal, 2.3 mm and 3.5 mm, Clavicle Plates*
- → ***13% THINNER***[12] *than DePuy Synthes 3.5 mm LCP® Superior and Superior Anterior Clavicle Plates*



VA CLAVICLE PLATES ARE LESS PROMINENT^,1

PROMINENCE ANALYSIS[3]



^ Compared to Stryker VariAx 2 Clavicle System, Acumed Clavicle System and DePuy Synthes 3.5 LCP® Clavicle System, see reference 1.

EQUIVALENT CONSTRUCT STRENGTH[***,2]

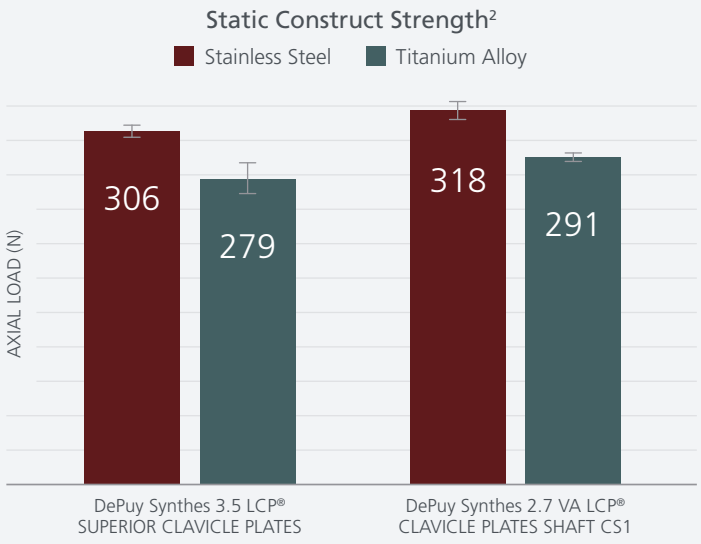
The mechanical performance of the VA Clavicle Plates was compared to the larger DePuy Synthes 3.5 mm LCP® Superior Clavicle Plates. The VA Clavicle Plates have:

→ *HIGHER*

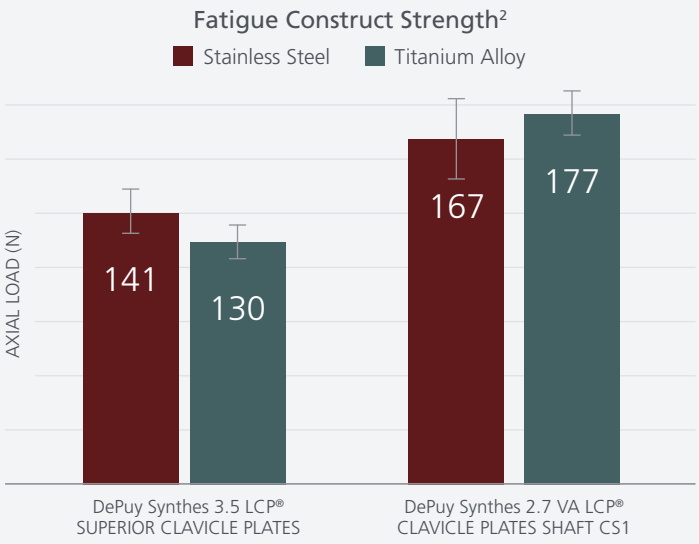
*CONSTRUCT STATIC STRENGTH[**,2]*

→ *EQUIVALENT*

*CONSTRUCT FATIGUE STRENGTH[**,2]*



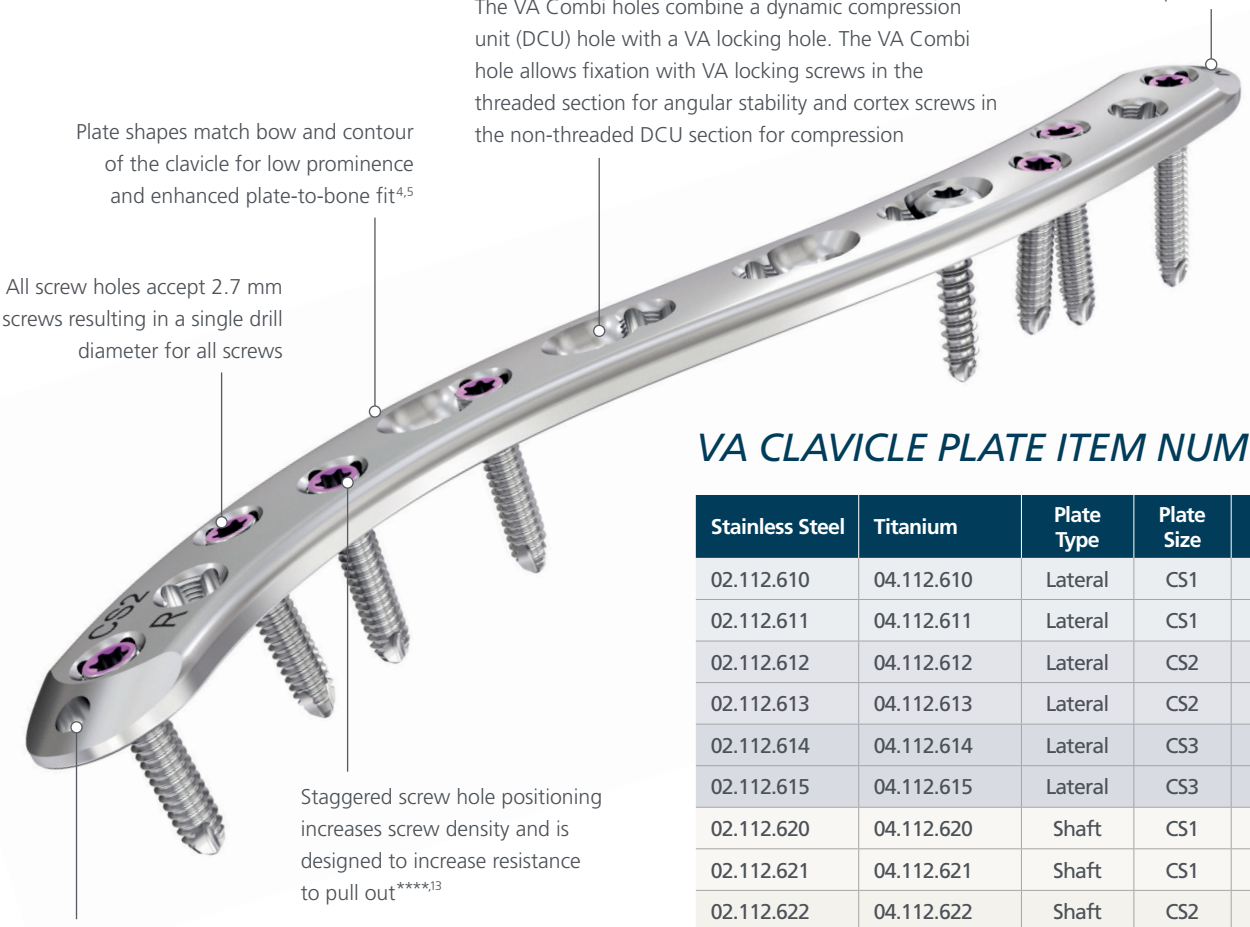
CONSTRUCT STRENGTH RESULTS FOR STATIC LOAD-TO-FAILURE TESTS



CONSTRUCT FATIGUE STRENGTH RESULTS FOR CYCLIC TESTS (1,000,000 cycles)

** Compared to DePuy Synthes 3.5 mm LCP® Superior Clavicle Plates, see references 2 and 3.

VA CLAVICLE PLATE FEATURES



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

**** Compared to a plate of the same length with in-line screw holes, see reference 13.

Please refer to the instructions for use for a complete list of indications, contraindications, warnings and precautions. The third-party trademarks used herein are the trademarks of their respective owners. Not all products may currently be available in all markets.

DePuy Synthes
PART OF THE Johnson&Johnson FAMILY OF COMPANIES

Manufactured by:
Synthes USA, LLC
1101 Synthes Avenue
Monument, CO 80132

www.jnjmedicaldevices.com

© DePuy Synthes 2021. All rights reserved.
163206-201218 DSUS/EMEA

References:
1. DePuy Synthes Shape Verification Analysis - Shaft, 7/28/20 Windchill #0000290902. DePuy Synthes Shape Verification Analysis - Shaft XL, 5/5/20 Windchill #0000295170. DePuy Synthes Shape Verification Analysis - Lateral, 7/28/20 Windchill #0000290186. DePuy Synthes Shape Verification Analysis - Thickness Segmental Plates, 5/5/20 Windchill #0000290903 **2.** DePuy Synthes Benchmark Testing Report - LCP® Superior, 8/3/20 Windchill 0000294541. **3.** DePuy Synthes Shape Verification Analysis - Shaft, 7/28/20 Windchill #0000290902. DePuy Synthes Shape Verification Analysis - Lateral, 7/28/20 Windchill #0000290186. **4.** DePuy Synthes Engineering Analysis - Morphology of 600 Bones, 5/5/20 Windchill #0000294539. **5.** Fontana AD, Hoyen 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. **6.** 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. **7.** DePuy Synthes Shape Verification Analysis - Shaft, 7/28/20 Windchill #0000290902. DePuy Synthes Shape Verification Analysis - Shaft XL, 5/5/20 Windchill #0000295170. DePuy Synthes Shape Verification Analysis - Lateral, 7/28/20 Windchill #0000290186. DePuy Synthes Shape Verification Analysis - Thickness Segmental Plates, 5/5/20 Windchill #0000290903. Engineering Memo - Morphology, 7/31/18 Windchill #0000273619. **8.** DePuy Synthes 2.7 mm VA LCP® Clavicle Plate System Surgical Technique, 103752541 and SE_825567, 2021. **9.** DePuy Synthes Engineering Memo - Morphology, 7/31/18 Windchill #0000273619. **10.** DePuy Synthes Competitive Analysis - Medial Plate, 8/26/20 Windchill #0000294555. **11.** DePuy Synthes Shape Verification Analysis - Shaft XL, 5/5/20 Windchill #0000295170. **12.** DePuy Synthes Shape Verification Analysis - Thickness Segmental Plates, 5/5/20 Windchill #0000290903. **13.** DePuy Synthes Benchmark Analysis - Staggered Screw Holes, 9/8/20 Windchill #0000294556.