

LCP[®] Pancarpal Arthrodesis Plates

For treatment of carpal joints in dogs

Brochure

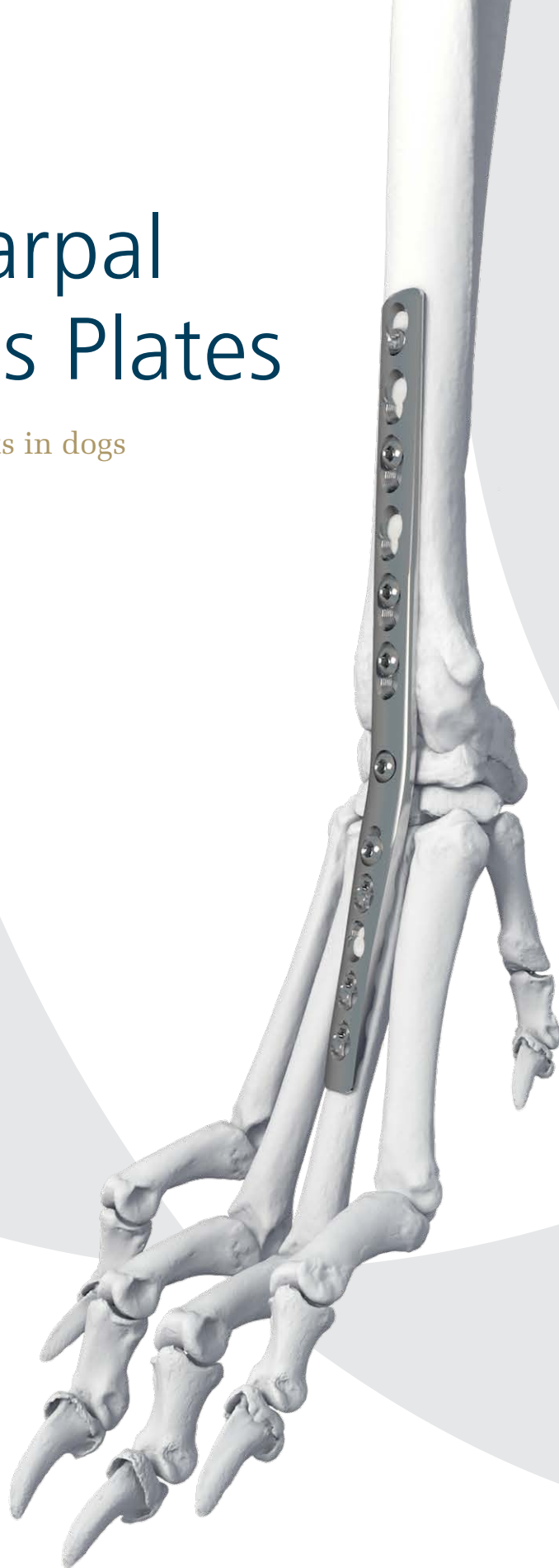


Plate Design

DePuy Synthes LCP® Pancarpal Arthrodesis Plate design features:

LCP Combi Holes proximally and LCP Combi and/or Stacked Combi Holes distally provide the option to place either cortex or locking screws.

VP4301.12 – 3.5 mm/2.7 mm LCP Pancarpal Arthrodesis Plate, 151 mm long, 3.3 mm thick



VP4302.11 – 2.7 mm/2.0 mm LCP Pancarpal Arthrodesis Plate, 108 mm long, 2.6 mm thick



VP4303.10 – 2.4 mm/2.0 mm LCP Pancarpal Arthrodesis Plate, 88 mm long, 2.0 mm thick

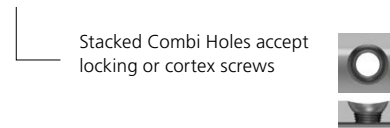
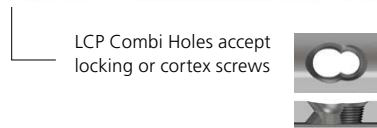


Plate thickness tapers proximally and distally to improve soft tissue coverage and reduce stiffness at the ends of plate.

The center hole accepts a cortex screw and allows up to 25° of proximal angulation.



Spacing between the most distal hole and the end of the plate has been increased to reduce bone stress.



Extended undercuts to reduce distal plate stiffness

Locking Screws

Screw Head

The tapered, double-lead machine thread on the head of the locking screw engages the threads of the locking plate holes. The resulting fixed-angle construct provides stable fixation of the bone fragments without having to compress the plate to the bone. A perfectly contoured plate is therefore not required to achieve fixation and maintain proper alignment.

StarDrive Recess



Double-lead locking threads mate with the threaded portion of the plate

Thread Profile

Because locking screws do not compress the plate to the bone, the “pull-out” mode of failure is not applicable to locking screws. For this reason, locking screws are made with a smaller thread profile and a larger core diameter. This results in increased mechanical strength over comparably sized cortex screws.



Self-tapping flutes

Drive Mechanism

The StarDrive™ Recess of a locking screw provides three significant improvements over an internal hex drive. First, “stripping” of the screw head is minimized as a failure mode, which results in a much higher tolerance to wear for the screwdriver.¹ Second, the tapered StarDrive Recess provides automatic screw retention without the need for an additional screw holding mechanism. Third, the more efficient StarDrive Recess allows a smaller screw head and allows the screw head to sit flush with the plate.

Caution: DePuy Synthes, part of the Johnson & Johnson Family of Companies implants and instruments are manufactured with proprietary processes that produce superior products to those created by conventional manufacturing processes. Though other companies may be able to estimate the DePuy Synthes Companies general product design, DePuy Synthes Companies product dimensions are proprietary. The precision design of DePuy Synthes Companies products is very important for long-term product function and optimal fit between implants.

Only the finest quality materials are used to manufacture DePuy Synthes Companies implants. The metals DePuy Synthes Companies uses have been scientifically proven to be of the best biocompatibility and quality available today.

With these features and qualities, the mixing of DePuy Synthes Companies implants with the implants from other companies is not recommended. The overall performance may be compromised due to differences in design, chemical composition, mechanical properties, and quality.

Given these qualities are trade-secret, no competitor of DePuy Synthes Companies can make a genuine claim “the same as DePuy Synthes Companies.” Combining implants from other companies with DePuy Synthes Companies implants could reduce product performance. Consequently, it is strongly recommended to not mix parts from different manufacturers.

¹Henz R. Stardrive vs. HEX Static torsion test. September 8, 2011. SET_20110610

Implants

| | |
|-----------|---|
| VP4301.12 | 3.5 mm/2.7 mm LCP Pancarpal Arthrodesis Plate |
| VP4302.11 | 2.7 mm/2.0 mm LCP Pancarpal Arthrodesis Plate |
| VP4303.10 | 2.4 mm/2.0 mm LCP Pancarpal Arthrodesis Plate |



3.5 mm Cortex Screws, self-tapping

| | |
|-----------------------|----------------------------------|
| VS302.010 – VS302.044 | 10 mm–44 mm (in 2 mm increments) |
| VS302.045 | 45 mm |
| VS302.046 – VS302.050 | 46 mm–50 mm (in 2 mm increments) |
| VS302.055 – VS302.070 | 55 mm–70 mm (in 5 mm increments) |



3.5 mm Locking Screws, self-tapping, with StarDrive recess

| | |
|------------------------|----------------------------------|
| VS303.010 – 1VS303.042 | 10 mm–42 mm (in 2 mm increments) |
| VS303.045 | 45 mm |
| VS303.048 | 48 mm |
| VS303.050 | 50 mm |
| VS303.052 | 52 mm |
| VS303.055 – VS303.070 | 55 mm–70 mm (in 5 mm increments) |



2.7 mm Cortex Screws, self-tapping

| | |
|-----------------------|---------------------------------|
| VS205.006 – VS205.044 | 6 mm–44 mm (in 2 mm increments) |
| VS205.045 | 45 mm |
| VS205.046 | 46 mm |
| VS205.048 | 48 mm |
| VS205.050 | 50 mm |
| VS205.055 | 55 mm |



**2.7 mm Locking Screws, self-tapping,
with StarDrive recess**

VS206.010 – 10 mm–34 mm (in 2 mm increments)
VS206.034



2.4 mm Cortex Screws, self-tapping

VS203.006 – 6 mm–14 mm (in 1 mm increments)
VS203.014

VS203.016 – 16 mm–40 mm (in 2 mm increments)
VS203.040



**2.4 mm Locking Screws, self-tapping, with
StarDrive Recess**

VS208.006 – 6 mm–14 mm (in 1 mm increments)
VS208.014

VS208.016 – 16 mm–30 mm (in 2 mm increments)
VS208.030



2.0 mm Cortex Screws, self-tapping

VS202.006 – 6 mm–40 mm (in 2 mm increments)
VS202.040



**2.0 mm Locking Screws, self-tapping,
With StarDrive recess**

VS207.006 – 6 mm–14 mm (in 1 mm increments)
VS207.014

VS207.016 – 16 mm–30 mm (in 2 mm increments)
VS207.030



Set Information

Recommended Sets

| | |
|---------|---|
| 103.503 | Small Fragment Instrument Set, Veterinary |
| 103.515 | Small Fragment Screw Set, Veterinary |

Note: Small Fragment Instrument Set (103.503) consists of Standard Instrument Set (103.501), with graphic case, and Locking Instrument Set (103.502).



103.503



103.515

Recommended Sets

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- | | |
|---------|------------------------------|
| 103.521 | Mini Fragment Instrument Set |
| 103.524 | Mini Fragment Implant Set |
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Note: Mini Fragment Instrument Set (103.521) consists of Standard Instrument Set (103.522), with graphic case, and Locking Instrument Set (103.523)



For detailed cleaning and sterilization instructions, please refer to: www.synthes.com/cleaning-sterilization

In Canada, the cleaning and sterilization instructions will be provided with the Loaner shipments.

Add "S" to product number to indicate sterile product.

Limited Warranty and Disclaimer: DePuy Synthes Vet products are sold with a limited warranty to the original purchaser against defects in workmanship and materials. Any other express or implied warranties, including warranties of merchantability or fitness, are hereby disclaimed. In the USA, this product has labeling limitations. See package insert for complete information. USA Law restricts these devices to sale by or on the order of a physician. Not all products are currently available in all markets.



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