

VECTOR® screws

Standard expansion screws, traction screws and special screws with stable construction, skeletal structure and directional arrow, e.g. in miniaturized design, as multi-sectional Bertoni screw or palatal expansion screw. Please refer to the table in the appendix for indications on expansion.

Learn more:



VECTOR® 30

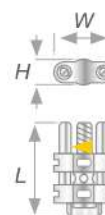
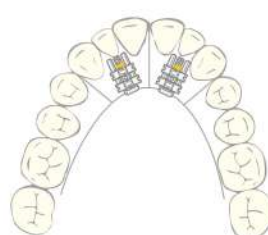
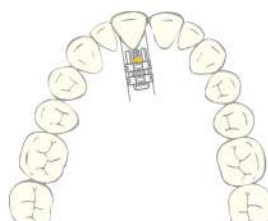
Special miniaturised sector screw with bright yellow directional arrow for single tooth movements. To ensure safe anchorage, retention wires (CHROMIUM Ø 0.8 mm, not included) can be individually inserted and adjusted. Can also be used in the CA® CLEAR ALIGNER technology for oblique-lateral segment expansion acc. to Dr. Pablo Echarri in conjunction with the CA® Arch CHROMIUM and two VECTOR® 30 screws.

Comes with key for expansion screws.

/// special sector screw
4.80 x 2.60 x 9.50 mm
Expansion 3.0 mm

2484.1 2484.2
2 pieces 10 pieces

CE



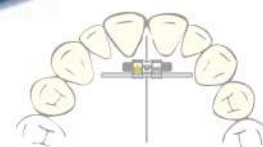
VECTOR® 40 acc. to Prof. Hinz

Special miniaturised screw with black directional arrow for fabrication of CA® splints, allowing expansions in the lower jaw (up to 3 mm). The retention arms allow safe anchorage using cold curing resin.

/// special screw micro
3.60 x 2.50 x 19.00 mm
Expansion 3.0 mm

2486.1 2486.2
10 pieces 50 pieces

CE



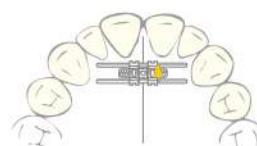
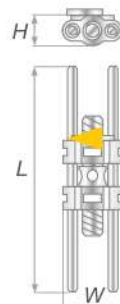
VECTOR® 45 acc. to Prof. Hinz New

Miniaturised expansion screw with bright yellow directional arrow for fabrication of CA® splints, allowing activation and fan-type expansion (up to 3 mm). Comes with elongated guiding pins for secure anchorage with cold cure resin and torsion-free expansion. In particular for use in the upper jaw.

/// VECTOR® 45 acc. to Prof. Hinz
4.70 x 2.50 x 19.00 mm
Expansion 3.0 mm

2487.1
10 pieces

CE



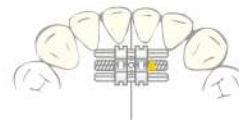
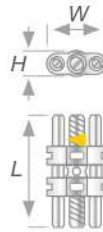
VECTOR® 50

Skeletal miniaturised expansion screw with bright yellow directional arrow for transversal expansion in the lower jaw, also for narrow upper jaws.

/// standard expansion screw micro
4.70 x 2.50 x 10.00 mm
Expansion 3.0 mm

2489.1 10 pieces
2489.2 50 pieces

CE



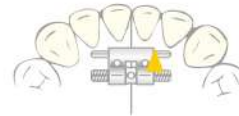
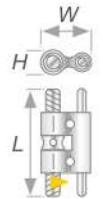
VECTOR® 80

Skeletal expansion screw with bright yellow directional arrow for transversal expansion of the lower jaw. Additional bore hole ensures excellent retention in acrylics.

/// standard expansion screw medium
7.00 x 3.10 x 14.30 mm
Expansion 7.0 mm

2490.1 10 pieces
2490.2 50 pieces

CE



VECTOR® 90 / 100

Skeletal expansion screw with bright yellow directional arrow for transversal expansion of the lower jaw. For treatment of Angle Class II cases we recommend using VECTOR® 100 in combination with VECTOR® 900.

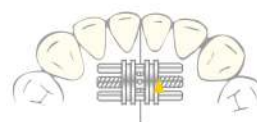
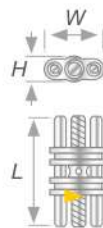
/// VECTOR® 90, standard expansion screw mini
6.20 x 2.80 x 10.00 mm
Expansion 4.0 mm

2491.1 10 pieces
2491.2 50 pieces

/// VECTOR® 100, standard expansion screw mini
6.20 x 2.80 x 12.00 mm
Expansion 5.0 mm

2492.1 10 pieces
2492.2 50 pieces

CE



VECTOR® 140 / 160

Skeletal expansion screw with bright yellow directional arrow for transversal and sagittal expansion in the upper and lower jaw.

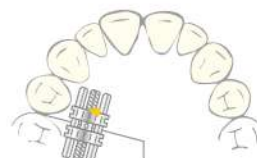
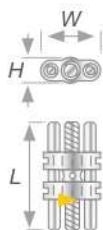
/// VECTOR® 140, standard expansion screw medium
7.50 x 3.50 x 12.00 mm
Expansion 5.0 mm

2494.1 10 pieces
2494.2 50 pieces

/// VECTOR® 160, standard expansion screw medium
7.50 x 3.50 x 14.30 mm
Expansion 6.0 mm

2496.1 10 pieces
2496.2 50 pieces

CE



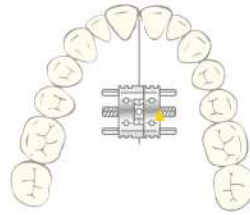
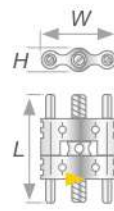
VECTOR® 190 / 200

Stable, skeletal expansion screw with bright yellow directional arrow for transversal expansion of the upper jaw and bimaxillary appliances. Additional bore hole ensures excellent retention in acrylics.

// VECTOR® 190, standard expansion screw medium **2497.1** **2497.2**
 10.00 x 3.10 x 10.00 mm 10 pieces 50 pieces
 Expansion 5.0 mm

// VECTOR® 200, standard expansion screw maxi **2498.1** **2498.2**
 10.00 x 3.10 x 14.30 mm 10 pieces 50 pieces
 Expansion 7.5 mm

CE

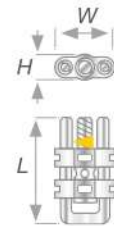


VECTOR® 350

Skeletal miniaturised sector expansion screw with bright yellow directional arrow for single tooth and segment movement in the upper and lower jaw.

// sector expansion screw micro **2509.1** **2509.2**
 4.70 x 2.50 x 10.50 mm 10 pieces 50 pieces
 Expansion 4.0 mm

CE

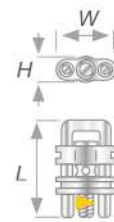


VECTOR® 400

Delicate skeletal sector expansion screw with bright yellow directional arrow. Can also be used for single tooth movements.

// sector expansion screw mini **2510.1** **2510.2**
 6.20 x 2.80 x 11.00 mm 10 pieces 50 pieces
 Expansion 3.0 mm

CE

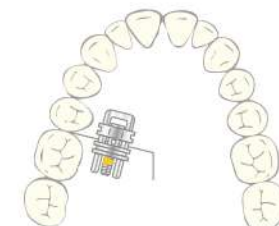
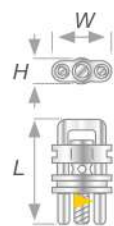


VECTOR® 420

Delicate skeletal sector expansion screw with bright yellow directional arrow. Can be used for distalisation and for single tooth movements.

// sector expansion screw mini **2512.1** **2512.2**
 6.20 x 2.80 x 13.00 mm 10 pieces 50 pieces
 Expansion 5.0 mm

CE

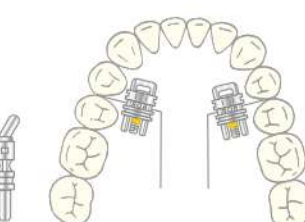
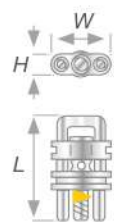


VECTOR® 440

Delicate skeletal sector expansion screw with bright yellow directional arrow, for distalisation.

// sector expansion screw mini **2514.1**
 6.20 x 2.80 x 13.50 mm 10 pieces

CE



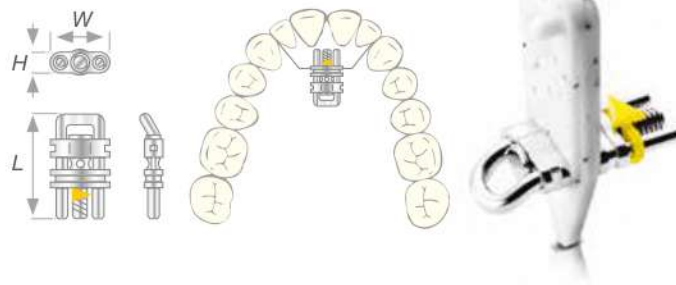
VECTOR® 440R

Delicate skeletal sector expansion screw with bright yellow directional arrow for single tooth or segment movement.

/// sector expansion screw mini
6.20 x 2.80 x 13.50 mm
Expansion 5.0 mm

2513.1
10 pieces

CE



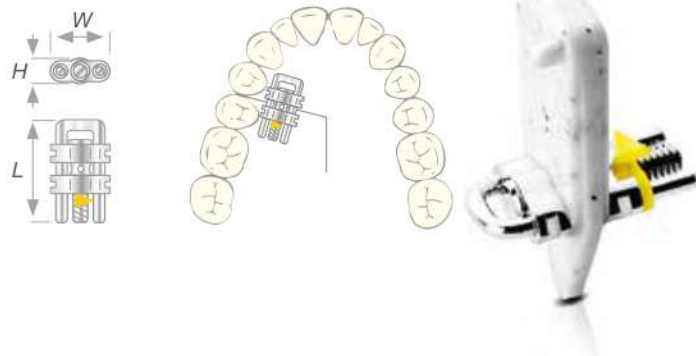
VECTOR® 460

Skeletal sector expansion screw in stronger version with bright yellow directional arrow.

/// sector expansion screw medium
7.50 x 3.50 x 13.00 mm
Expansion 5.0 mm

2516.1
10 pieces

CE



VECTOR® 500 / 520

Traction screw for space closure with black directional arrow on the housing.

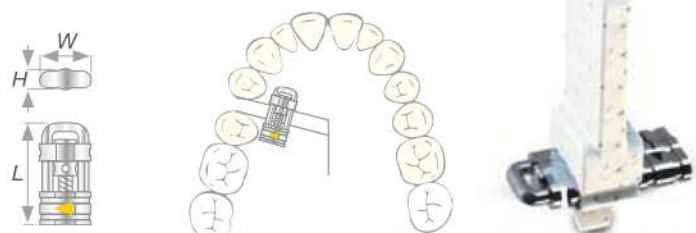
/// VECTOR® 500, traction screw
6.20 x 2.80 x 13.50 mm

2520.1
10 pieces

/// VECTOR® 520, traction screw
6.20 x 2.80 x 18.00 mm

2522.1
10 pieces

CE



VECTOR® 600 / 620

Special screw for rapid palatal expansion. The anatomically bent retention arms are soldered or welded onto molar bands. The specifically designed housing profile fits perfectly the palatal vault. The integrated polyamide bush prevents accidental resetting of the screw. Laser-welded indication for rotation and expansion on the housing. Comes with security expansion key.

Not suitable for surgically assisted rapid palatal expansion. Protect screw body from excessive heat to avoid damaging the integrated polyamide bushing and jamming of the screw.

/// VECTOR® 600, rapid palatal expansion screw
10.40 x 4.00 x 13.00 mm
Expansion 9.0 mm

2524.1
1 piece

2524.2
10 pieces

/// VECTOR® 620, rapid palatal expansion screw
10.40 x 4.00 x 15.00 mm
Expansion 11.0 mm

2526.1
1 piece

2526.2
10 pieces

CE 0044



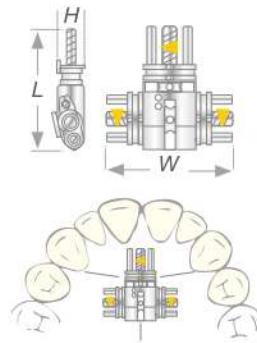
VECTOR® 720 acc. to Bertoni

Special Bertoni screw for insertion in multi-sector plates, enabling separate protrusion and symmetric transversal expansion by two independently operating spindles.

// VECTOR® 720 acc. to Bertoni
17.00 x 2.80 x 15.50 mm
Expansion 5.5 mm, transversal expansion 7,00 mm

2530.1
2 pieces

CE



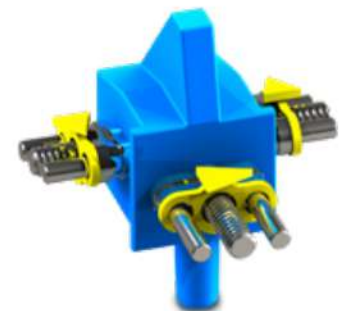
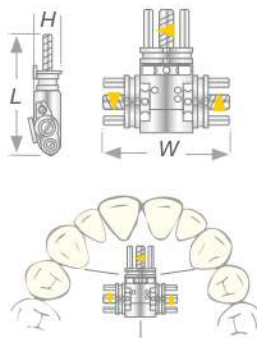
VECTOR® 730 acc. to Bertoni

Special Bertoni screw for insertion in multi-sector plates, enabling separate protrusion and symmetric or asymmetric transversal expansion by three independently operating spindles.

// VECTOR® 730 acc. to Bertoni
17.00 x 2.80 x 15.50 mm
Expansion 5.5 mm, transversal expansion 2 x 3,50 mm

2532.1
2 pieces

CE



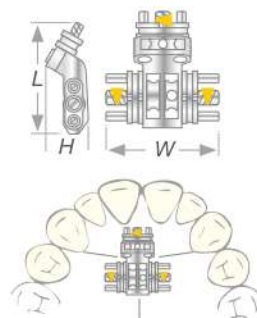
VECTOR® 740 acc. to Bertoni

Modified angled and delicate Bertoni screw for insertion in multi-sector plates, enabling separate protrusion and symmetric transversal expansion by two independently operating spindles.

// VECTOR® 740 acc. to Bertoni
15.00 x 5.00 x 14.50 mm
Expansion 2.5 mm, transversal expansion 5,00 mm

2540.1
2 pieces

CE



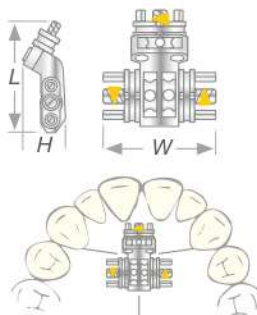
VECTOR® 750 acc. to Bertoni

Modified angled and delicate Bertoni screw for insertion in multi-sector plates, enabling separate protrusion and symmetric or asymmetric transversal expansion by three independently operating spindles, for bilateral expansion.

// VECTOR® 750 acc. to Bertoni
15.00 x 5.00 x 14.50 mm
Expansion 2.5 mm, transversal expansion 2 x 2,50 mm

2542.1
2 pieces

CE



VECTOR® 800 / 820

Special miniaturised screw for distraction of the lower jaw using stable retention arms of 60 mm length. With laser marking on housing.

Not suitable for surgically assisted rapid palatal expansion.

VECTOR® 800 6.70 x 3.10 x 13.00 mm Expansion 9.0 mm	2533.1 1 piece	2533.2 5 pieces
VECTOR® 820 6.70 x 3.10 x 15.00 mm Expansion 11.0 mm	2534.1 1 piece	2534.2 5 pieces

CE 0044

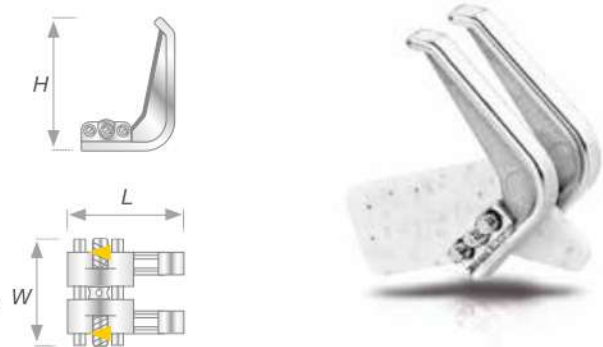


VECTOR® 900

Screw for protrusive double plate for treatment of Angle Class II cases (lower jaw retrusion/distal occlusion) as well as for bilateral expansion of the upper jaw in growing children. Compact design with integrated expansion screw, comes with key for expansion. For lower jaw we recommend the combined use with VECTOR® 100 screw.

VECTOR® 900 14.00 x 20.00 x 13.00 mm expansion 5.0 mm	2537.1 1 piece	2537.2 10 pieces
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CE

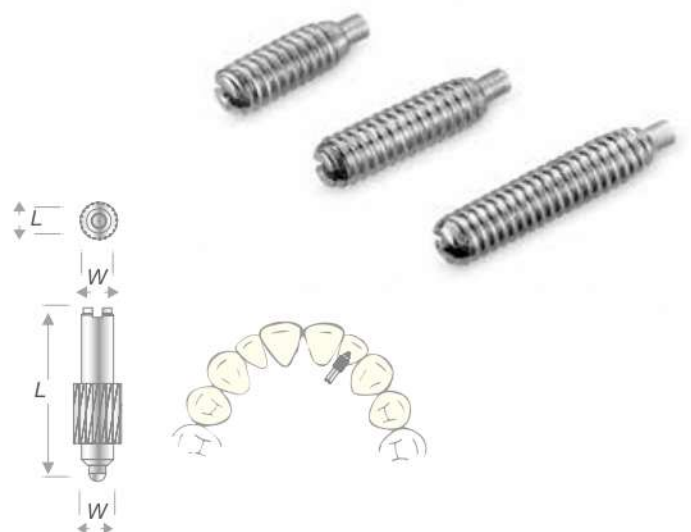


VECTOR® Piston spring screw

Stainless steel screw for single tooth movement during orthodontic treatment with removable appliances. Three different screw lengths allow large protrusion by a constant and precisely controlled amount of pressure on the tooth to be moved.

4 mm 1.70 x 1.70 x 5.30 mm	2477.1 5 pieces
6 mm 1.70 x 1.70 x 6.50 mm	2478.1 5 pieces
8 mm 1.70 x 1.70 x 8.50 mm	2479.1 5 pieces

CE



Accessories for VECTOR® screws

Learn more:



Serrated housing nut

For single tooth movement using VECTOR® piston screws during an orthodontic treatment with removable appliances.

// Serrated housing nut

2481.1
5 pieces



Mounting screw

For fixing the serrated housing nut during an orthodontic treatment using VECTOR® piston screws.

Note: Mounting screw is not classified as medical product and not suitable for use in the mouth, contains nickel.

// Mounting screw

2480.1
5 pieces



Reamer

For recutting the thread when fabricating a removable appliance incorporating VECTOR® piston screws.

// Reamer

2482.1
1 piece



Screwdriver F

For activation of VECTOR® piston screws.

The screwdriver is not classified as medical product and not suitable for use in the mouth.

// Screwdriver F

2483.1
1 piece



Key for expansion screws

For precise adjustment of VECTOR® expansion screws.

// Key for expansion screws

2101.2
100 pieces



Security key for expansion screws

For HF5, HF9 and HF15 telescopes (IST® devices) and all kinds of palatal expansion screws.

// Security key for expansion screws

2100.1
10 pieces

