Product code

RCSB1

Heli-Core – Remedial Crack Stitching Bars

Product datasheet

View product online

Download 2D CAD (DXF)

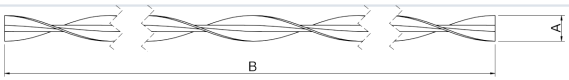
Crack Stitching Bars are both wide and varied and they can be utilised in new buildings and for many specialised refurbishment requirements like apartment buildings, historic buildings, bridges and many more (building materials – concrete, brick, stone, wood, air concrete and others). Made from high-quality stainless steel, these bars are expertly installed into slots that have been cut into the masonry and then secured with grout, resulting in a quick and effective solution that will stand the test of time.

Corrosion class	R4
Material	Stainless steel 316L
Sizes	6mm × 1000mm, 6mm × 10000mm, 8mm × 1000mm (4)
Tested	See test results

Features

- Engineering solutions designed for your specific project requirements.
- Unlimited masonry reinforcement and anchorage applications
- Cracks restoration of any type
- Subsequent needling of double walled masonry
- Fixing into all types of stones and materials, including concrete

Technical details



Dimension drawing. Sizes are given as A × B.

Sizes

A	B
6mm	1000mm
6mm	10000mm
8mm	1000mm
8mm	10000mm

Corrosion characteristics

R4	Stainless steel 316L

Ordering information

Choose one option from each column to build the order code, then give us the code and the quantity you need.

Example order code

RCSB1-6x1000

Product code	**Size** – A × B
RCSB1 Remedial Crack Stitching Bars	**-6x1000** **-6x10000** **-8x1000** **-8x10000**

Test results

Product Material Tests

Property	Cerra Remedial Crack Stitching Bars (6 mm) Mean (range)	Cerra Remedial Crack Stitching Bars (8 mm) Mean (range)
Peak Tensile Breaking Load - Mean Load (kN)	9.2 (9.1 – 9.3)	10.5 (10.4 – 10.6)
Ultimate Tensile Strength - Mean Strength (MPa)	935 (928 – 942)	905 (898 – 913)
0.2% Proof Stress - Mean Strength (MPa)	755 (754 – 756)	865 (863 – 867)
Shear Breaking Load - Mean Load (kN)	6.7 (5.0 – 8.6)	9.6 (8.7 – 10.1)
Average Shear Strength - Mean Strength (MPa)	677 (505 – 870)	715 (648 – 755)

Product Epoxy Pull Tests

Property	Cerra Remedial Crack Stitching Bars (8 mm) Mean (range)
Tensile Load at 1.5mm Deflection - Mean Load (kN)	1.7 (1.5 – 1.9)
Ultimate Tensile Pull-Out Load - Mean Load (kN)	3.8 (3.3 – 4.4)

The mean tensile pull-out load of an 8mm Cerra Remedial Crack Stitching Bar embedded 70mm into a solid clay brick and secured with AnchorMark V-Plus 400 chemical epoxy anchor, was 3794 N (3.8 kN).

Guides

Applications guide (PDF, opens online)

Install guide (PDF, opens online)