

# Easi-Fix Helical Spiral Bar



## Description

The Easi-Fix Helical Spiral is an austenitic stainless steel, Grade 1.4301 or 1.4401 - DIN EN 10088 Part 3 (1995). AISI - 304 or 316, reinforcing helical spiral bar that has many unique properties.

Being rolled from a plain round wire, the fins are work-hardened to a very high level whilst the core remains relatively soft. The subsequent twisting process puts the fins into tension and the core into compression. The tensile strength of the base material is more than doubled during the manufacturing process.

The pronounced fins over the core make the bonding characteristics of the Easi-Fix Helical Bar profile far superior to alternative standard reinforcing materials.

Easi-Fix Helical Spiral Bars can also be used to repair many structural defects in existing masonry by using our repair strategies like over-pinning with ring beams, general crack stitching repairs, lintel failures and re-tying (disconnected and unconnected) solid or cavity masonry panels.

## Advantages

- Can be cut to any length on site
- Can be easily bent around corners and courses
- Suitable for a wide range of uses in new construction and remedial work
- Unlimited masonry reinforcement and anchorage applications
- Subsequent needling of double walled masonry
- Fixing into all types of stones and materials, including concrete
- Easy installation with PermaCEM Anchor Grout
- Manufactured in 304 Stainless Steel

## Technical Properties

Product	Profile	Helical Pitch	KG/mm	KG/10m
6mm Bar	6mm	25	0.000067	0.669
8mm Bar	8mm	30	0.000079	0.786

Profile	Area	Tensile Strength		Yield Point	Elongation	E-Modul
		N/mm <sup>2</sup>	KN			
	mm <sup>2</sup>	N/mm <sup>2</sup>	KN	N/mm <sup>2</sup>	% (A 100mm)	G Pa
6mm	8	900	7.2	745	5.1	156.269
8mm	10	800	8.8	745	4.7	148.813

Designation	BS5628 Part 2 : 1995	
	Profile	Char. Tensile Strength
TYPES 304Cu a 316L Stainless Steel BS6744	All	460 MPa

Stainless Steel Designation Norm Standard European and USA

## Sizes

Both 6mm and 8mm bar are available in 1m, 3m and \*7m lengths. \* 7m only available in 6mm