

Connettore Steel Dryfast 10

AISI 304 stainless steel “T” connector between the Steel Dryfast 6 stainless steel helical bar, installed inside the exposed wall surface joints, and the Steel Dryfast 10 stainless steel helical bars, installed to create the dry joining of masonry.

The Steel Dryfast 10 connector is used to create an effective mechanical connection between the Steel Dryfast 10 helical bars and the Steel Dryfast 6 helical bar, maintaining the aesthetics of the exposed masonry and a connection between the various wall facings.



1. Perfect bonding between Steel Dryfast 10 bars and Steel Dryfast 6
2. Non-invasive system
3. Perfect preservation of the aesthetics of the masonry's exposed walls
4. Excellent compatibility with products from the Geocalce, Biocalce and Geolite range
5. Quick and easy to install
6. High durability guaranteed by AISI 304 stainless steel

Areas of application

→ Use

Connection of the reinforcement made in the joints of a new exposed walls masonry with Steel Dryfast 6 helical bars and the transversal binding of the same masonry, made with Steel Dryfast 10 helical bars.

Instructions for use

→ Preparation of substrates

The masonry must be prepared following in the instructions dictated by the PM, if appropriate. Start by cleaning the joint and possibly mechanically removing the rendering mortar to an average depth of roughly ≈ 3 cm. After removing all the mortar, the joint must be washed and clean appropriately, in order to eliminate dust or anything else that could compromise the adhesion of the chosen matrix for grouting the bars.

→ Preparation

The Steel Dryfast 10 Connector is ready-to-use. The Steel Dryfast 10 Connector is suitable for any length of Steel Dryfast 10.

→ Application

Dry-binding of masonry in brick or tuff using Steel Dryfast 10 by drilling a pilot bore of an appropriate diameter depending on the consistency of the substrate and with a depth equivalent to the full length of the stitching bar that must be installed. In anticipation of the subsequent insertion of the Steel Dryfast 10 Connector on the Steel Dryfast 10 helical

bar head, make the hole widening to 14 mm in diameter for the first 70 mm depth of the pilot bore. After placing the Steel Dryfast 10-12 Driver attachment into the SDS Plus drill to engage, put the Steel Dryfast 10 bar inside the pilot bore, tapping with only percussion until it is completely inserted; after the helical bar has been completely inserted, insert the Steel Dryfast 10 Connector on the Steel Dryfast 10 helical bar head, by simple screwing. With a trowel or manual gun insert geo-mortar (Geocalce F Antisismico, Geolite) or epoxy-based mineral adhesive (Geolite Gel) for about 2/3 of the thickness of the stripped joint. Insert, by means of manual pressure, the Steel Dryfast 6 helical bar into the reconstructed joint portion; at the Steel Dryfast 10 Connector, insert the Steel Dryfast 6 helical bar into the innermost hole. The outermost hole can be used if a second Steel Dryfast 6 helical bar is required as reinforcement or as overlapping. After installing the Steel Dryfast 6 helical bar, completely fill the reinforced mortar joint so as to completely cover the intervention, guaranteeing the aesthetics of the masonry's exposed.

Abstract

Dry connection between the exposed wall masonry reinforcement, carried out with Steel Dryfast 6, and the through break-fill work of the same masonry, made with Steel Dryfast 10.

Execution of a dry connection system of masonry made from brick, raw earth, tuff, wood and other material by installing Steel Dryfast 10 AISI 304/316 stainless steel helical bar, installed in specified pilot bore in the structure, subject to possible repair of weakened surfaces, by means of the appropriate chuck supplied Steel Dryfast 10-12 Driver attachment which is tapped into position. Subsequent insertion of the Steel Dryfast 10 Connector on the Steel Dryfast 10 helical bar head, by simple screwing.

The procedure is conducted as follows:(1) scarify the old mortars present in the joints of the masonry for a depth of at least 3 cm and make a pilot bore of suitable diameter, according to the bar and to the material from which the element to be reinforced is composed; (2) install the bar inside the bore by means of the appropriate Steel Dryfast 10-12 Driver attachment and possible extension dependent on the bar length; (3) insert the Steel Dryfast 10 Connector on the Steel Dryfast 10 helical bar head, by simple screwing; (4) with a trowel or manual gun insert geo-mortar (Geocalce F Antisismico, Geolite) or epoxy-based mineral adhesive (Geolite Gel) for about 2/3 of the thickness of the stripped joint; (5) insert, by means of manual pressure, the Steel Dryfast 6 helical bar into the reconstructed joint portion; at the Steel Dryfast 10 Connector, insert the Steel Dryfast 6 helical bar into the innermost hole. The outermost hole can be used if a second Steel Dryfast 6 helical bar is required as reinforcement or as overlapping; (6) at the end of the installation of the Steel Dryfast 6 helical bar, completely fill the reinforced mortar joint so as to completely cover the intervention, guaranteeing the aesthetics of the masonry's exposed walls. The Steel Dryfast 10 break-fill work bar must guarantee the minimum performance characteristics of the plan, in other words: tensile breaking load ≥ 16.2 kN; shear breaking load ≥ 9.5 kN; modulus of elasticity ≥ 150 GPa; ultimate elongation at rupture $\geq 3\%$; nominal area 15.5 mm². Steel Dryfast 6, the helical bar for the reinforcement of the joints of exposed vertical walls, must guarantee the minimum performance characteristics of the project, i.e.: tensile breaking load ≥ 9.8 kN; shear breaking load ≥ 5.5 kN; modulus of elasticity ≥ 130 GPa; ultimate break warp $\geq 5.5\%$; nominal area 8 mm². The price is by unit of length of the reconstructed and reinforced masonry joint. Delivery and installation of all the materials described above as well as everything else required to finish the job is included. The following are excluded: restoration of degraded areas and repair of the substrate; material acceptance tests; pre- and post-procedure testing, all aids required to perform the work.

Technical Data compliant with Kerakoll Quality Standard		
Material		AISI 304 stainless steel
Head diameter	$\varnothing_{\text{head}}$	10 mm
Connector length	$L_{\text{connector}}$	70 mm

Warning

- Abide by any standards and national regulations

→ handle the material while wearing protective clothing and goggles and follow the instructions on how to apply the material

→ store in a dry place and away from substances that may compromise the integrity

→ the product is an item according to the
- definitions of the EC Regulation No. 1907/2006 and therefore does not require a Safety Data Sheet

→ for any other issues, please contact the Kerakoll Worldwide Global Service +39 0536 811 516