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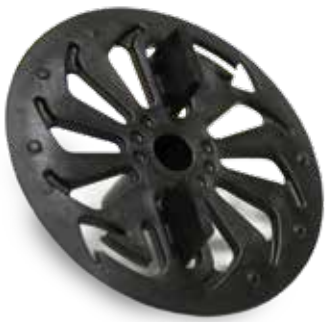
Tassello Steel Dryfast



Retractable insert, in fibreglass-reinforced polypropylene, specific to anchor Steel Dryfast 8-10 stainless steel helical bars. The system allows effective mechanical connection of band and widespread strengthening systems created using the Geosteel range of meshes and sheets on vertical load-bearing walls, arches and domes or for consolidation of brick and cement floor slabs subject to break-away of the bottom layer.

The Steel Dryfast 8-10 Insert ensures excellent mechanical properties and allows the matrix to be perfectly incorporated into the matrix of band and widespread strengthening systems created using the GeoSteel range of low thickness meshes and sheets. Thanks to its chemical composition, polypropylene has a high resistance to impact and to abrasion, excellent thermal resistance and high levels of durability.

1. **Perfect bonding with Steel Dryfast 8-10 helical bars**
2. **Excellent compatibility with matrices from the Geocalce range**
3. **Low thickness. Perfect embedding of the connection within the strengthening system**
4. **Quick and easy to install**
5. **High level of durability**
6. **Available in two versions: Steel Dryfast 8 Insert and Steel Dryfast 10 Insert depending on the diameter of the Steel Dryfast helical bar**

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Areas of application

→ Intended use
- Creation of connections for bundles and widespread strengthening systems and devices made with meshes and sheets from the Geosteel range.
- Completion of mechanical anchoring for protective systems for floors subject to break-away of the bottom layer, in combination with Steel Dryfast 8-10
- Binding for coating facades.
- Anti-collapse connection for stud walls.

Instructions for use

→ Preparation of substrates
The masonry must be prepared following in the instructions dictated by the PM, if appropriate

→ Preparation
The polypropylene Steel Dryfast 8-10 is ready-to-use. The Steel Dryfast 8-10 Insert is suitable for any length of Steel Dryfast 8-10.

→ Application
Dry joining of masonry in brick or tuff using Steel Dryfast 8-10 must be followed by drilling a pilot bore of an appropriate width and with a length equivalent to the length of the stapling bar that must be installed. In anticipation of the subsequent insertion of the Steel Dryfast 8-10 Insert on the Steel Dryfast 8-10 helical bar head, make the hole widening to 14 mm in diameter for the first 30 mm depth of the pilot bore. After placing the appropriate Steel Dryfast Driver attachment into a drill with SDS Plus coupling and excluding rotation, install the Steel Dryfast 8-10 bar into the pre-drilled bore until it is completely inserted; then attach Steel Dryfast 8-10 Insert to head of the Steel Dryfast 8-10 helical bar by simple screwing. Remove the tabs manually, or by means of a hammer, to facilitate screwing the insert. Stuccare infine con opportuna geomalta (Geocalce G Antisismico, Geocalce F Antisismico, Geolite) o matrice minerale epossidica (Geolite Gel) la parte terminale del foro e coprire completamente il Tassello Steel Dryfast 8-10 in modo da garantire la perfetta sigillatura del foro e la perfetta aderenza della barra al substrato anche nella parte iniziale.
In order to assess the performance of adhesion/extraction of the Steel Dryfast 8-10 bar only on different supports, you are advised to contact our technical office. Pull-out test is accomplished on site using a suitable test kit Steel Dryfast.

Abstract

Dry connection system using the Steel Dryfast 8 AISI 304/316L stainless steel helical bar and the Steel Dryfast 8 Insert. Execution of a dry connection system of masonry made from brick, raw earth, tuff, wood and other material by installing Steel Dryfast 8 AISI 304/316L 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 8-10-12 Driver attachment which is tapped into position. Subsequentinsertion of the Steel Dryast 8 Insert on the Steel Dryfast 8 helical bar head, by simple screwing.
They include: (1) making a pilot bore of a suitable diameter, according to the bar and to the material from which the element to be reinforced is composed; widening of the first 30 mm of the pilot bore depth to 14 mm in diameter; (2) installing the bar inside the bore by means of the appropriate Steel Dryfast 8 Driver attachment and possible extension according to the length of the bar; (3) insertion of the Steel Dryfast 8 Insert on the Steel Dryfast 8 helical bar head, by simple screwing; (4) final grouting of the bore and covering of the Steel Dryfast 8 Insert by appropriate material according to the type of substrate. The Steel Dryfast 8 break-fill work bar must guarantee the minimum performance characteristics of the plan, in other words: tensile breaking load ≥ 11.6 kN; shear breaking load ≥ 8.7 kN; modulus of elasticity ≥ 125 GPa; ultimate elongation at rupture ≥ 4.8%; nominal area 10.4 mm². The price is by unit of bar length actually laid.
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.

Abstract

Dry connection system using the Steel Dryfast 10 AISI 304/316L stainless steel helical bar and the Steel Dryfast 10 Insert. Execution of a dry connection system of masonry made from brick, raw earth, tuff, wood and other material by installing Steel Dryfast 10 AISI 304/316L 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. Subsequentinsertion of the Steel Dryfast 8 Insert on the Steel Dryfast 8 helical bar head, by simple screwing.
They include: (1) making a pilot bore of a suitable diameter, according to the bar and to the material from which the element to be reinforced is composed; widening of the first 30 mm of the pilot bore depth to 14 mm in diameter; (2) installing the bar inside the bore by means of the appropriate Steel Dryast 10-12 Driver attachment and possible extension according to the length of the bar; (3) insertion of the Steel Dryfast 10 Insert on the Steel Dryfast 10 helical bar head, by simple screwing; (4) final grouting of the bore and covering of the Steel Dryfast 10 Insert by appropriate material according to the type of substrate. The break-fill work bar must guarantee the minimum performance characteristics of the plan, in other words: tensile breaking load ≥ 15.4 kN; shear breaking load ≥ 11.7 kN; modulus of elasticity ≥ 125 GPa; ultimate elongation at rupture ≥ 5.7%; nominal area 12.9 mm². The price is by unit of bar length actually laid.
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

		Tassello Steel Dryfast 8	Tassello Steel Dryfast 10
Tensile strength	$F_{connector}$	> 0.9 kN	> 1.5 kN
Break warp	$\varepsilon_{connector}$	≥ 50%	≥ 50%
Modulus of elasticity when stretched	$E_{connector}$	1200 MPa	1200 MPa
Head diameter	$ø_{head}$	80 mm	80 mm
Hole diameter	$ø_{shank}$	12 mm	12 mm
Shank length	L_{shank}	25 mm	25 mm

Warning

- → Abide by any standards and national regulations
- → protect from damp and UV light
- → after application, the pieces must be protected from UV light, by application of a suitable finishing layer, within 6 weeks of installation
- → 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

Kerakoll Quality System ISO 9001 CERTIFIED IT10/0327

Kerakoll Quality System ISO 45001 CERTIFIED 18586-I

The Rating classifications refer to the GreenBuilding Rating Manual 2012. This information was last updated in June 2025; please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions of your building site and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.

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