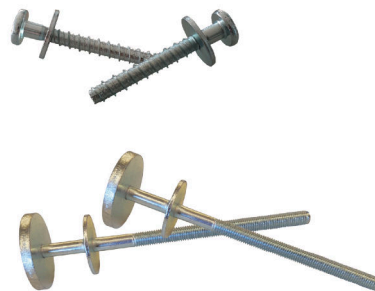




CONNETTORE 20 e 38 IN ACCIAIO



PRODUCT DESCRIPTION

Mechanical steel pin connector with electrolytic galvanising, upper circular washer, lower mobile guide washer for installation and threaded stem.

PRODUCT APPLICATION

- Connection between existing structures and new waterproofing protective and/or confinement slabs (e.g. fibre-reinforced concrete)
- Anchoring to mortar supports or concrete castings

ADVANTAGES

- Solid anchoring thanks to double disc
- Allows for the absence of reinforcement mesh in combination with thin fibre-reinforced mortars. In the presence of metal meshes, it does not require fixing to them
- Quick and easy application thanks to the installation guide disc

PREPARATION AND APPLICATION

Preparing the surfaces

Remove any surface roughness near the connector fixing point.

Application

STEEL CONNECTOR 20

Mark the position on the installation surface for fixing the connectors based on the predefined calculation centre distance.

Make the hole with a drill and 12 mm drill bit, depth 65 mm, remove the resulting dust via aspiration or blowing compressed air into the hole.

Insert the steel connector into the hole, fixing it with BI FIX 300 chemical anchor (see relative technical data sheet).

Otherwise in case of a concrete support, it is possible to tighten the connector directly to it using an 8 mm bit and an electric impact screwdriver or with stroke end clutch.

STEEL CONNECTOR 38

Mark the position for fixing the connectors on the application surface according to the predefined calculation centre distance, setting up the electro-welded mesh (if provided) on the substrate as reference, so as to prevent the connector from coming into contact with it.

Make the hole with a drill and 12 mm drill bit, depth 153 mm, remove the resulting dust via aspiration or blowing compressed air into the hole.

Insert the steel connector into the hole, fixing it with BI FIX 300 chemical anchor (see relative technical data sheet).

In the presence of fibre mesh, provide for its insertion after laying the connectors.



References available at www.volteco.com

PACKAGING AND STORAGE

The steel connectors are sold individually.

WARNINGS - IMPORTANT NOTES

Do not remove the connector in the seat during the setting of the chemical anchoring.

Comply with the temperatures required by the chemical anchor to fix the connectors.

In damp environments, avoid placing the electro-welded mesh in direct contact with the connectors to avoid corrosion due to galvanic current.

PHYSICAL AND TECHNICAL SPECIFICATIONS

Specification	Connector 20 - Value	Connector 38 - Value
Connector steel	Carbon steel Electrolytic galvanising Threaded stem $\varnothing_{int} = 8 \text{ mm}$ $\varnothing_{est} = 10,5 \text{ mm}$ fyk = 640 MPa fuk = 800 Mpa	Carbon steel 8.8 Electrolytic galvanising Threaded stem Class M10 8.90 mm $\pm 0.2 \text{ mm}$ diameter smooth stem fyk = 640 MPa fuk = 800 Mpa
Head washer steel	Carbon steel Electrolytic galvanising Diameter 22 mm	Carbon steel DD11 according to EN 10111 Electrolytic galvanising Diameter 50 mm $\pm 0.5 \text{ mm}$ Thickness 6 mm $\pm 0.2 \text{ mm}$ fyk = 178.5 MPa fuk = 440.0 MPa
Washer extrados distance	20 mm	38 mm $\pm 0.5 \text{ mm}$
Threaded stem length	60 mm	117 mm
Total stem length	60 mm	147 mm $\pm 1 \text{ mm}$
Total connector length	80 mm	185 mm $\pm 1 \text{ mm}$
Adjustment screw washer diameter	30 mm	40 mm $\pm 0.2 \text{ mm}$
Adjustment washer thickness	2.7 mm	2.5 mm $\pm 0.2 \text{ mm}$
Tensile strength of the bar (not threaded)	25.3 kN	33.4 kN
Shear project value	9.66 kN	-
Net volume of fixing resin (gap 1 mm)	4.08 cm ³ /cad	7.52 cm ³ /cad
Fixing resin consumption	1 x 300 cc cartridge every 55 connectors approximately	1 x 300 cc cartridge every 25 connectors approximately

WATCH VIDEOS AND INSIGHTS

Safety Data Sheets

Declaration of
performance

Specifications

Technical
diagrams and
DOPs

EPD Declaration

YouTube Video



SAFETY

Refer to the related Safety Data Sheet.

COPYRIGHT

© Copyright Volteco S.p.A. - All rights reserved.

Information, images and text found in this document are exclusive property of Volteco S.p.A.

They may change anytime without prior notice.

Updated versions of this and other documentation (specification, brochure, other) are on www.volteco.com.

In case of translation text may contain technical and linguistic inaccuracies.

LEGAL NOTES

Note for buyer/installer:

This document prepared by Volteco S.p.A. is provided as an aid and guideline for the buyer/installer.

This does not take into consideration the details of each single operational context, for which Volteco S.p.A. will not be held liable.

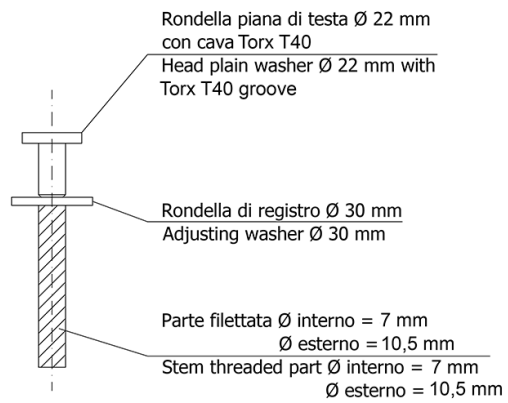
This does not change and does not extend the obligations of Volteco S.p.A.

It may vary and the installer is therefore required to update his/her information prior to each application by referring to www.volteco.com.

The above clarifications extend to the pre-post-sales technical/commercial information of the commercial network.

ANNEXES

SEZIONE CONNETTORE 20 IN ACCIAIO PER SOLAI
STEEL CONNECTOR 20 SECTION FOR SLABS



SEZIONE CONNETTORE 38 IN ACCIAIO
STEEL CONNECTOR 38 SECTION

