

Marutex® , Construction screw

Holder/Issued to

U-nite Fasteners Technology AB

Hogstorp, SE-451 95 Uddevalla, Sweden

Information supplied by

U-nite fasteners Technology AB

Hogstorp, SE-451 95 Uddevalla

Product description

Marutex® self drilling screw in diameters 4,2, 4,8, 5,5 and 6,3 mm. The screws are manufactured from stainless steel (Chromium steel) and are supplied with sealing washers in stainless steel or aluminium, with an EPDM rubber seal. Insulation screws G61-G65 have plastic washers.

Intended use

Marutex® are fasteners for fastening in sheet metal constructions. Screws with designations C31 are used for fastening in steel thicknesses up to 9.0 mm, C41, C41K and C42 up to 15.0 mm, EB31-080-EB31-226 up to 6.0 mm and EC31-085-EC31241 up to 15.0 mm. Characteristic yield strength of the steel substrate 250-350 MPa.

Trade name

Marutex®

Approval

The products satisfies the requirements set forth in chapter 8, 4 § 1 PBL, in respect to and under conditions stated in this type approval, and are therefore approved in accordance with mandatory provisions on application of the European construction standards (Eurocodes), (EKS): issued by the National Board of Housing, Building and Planning.

EKS

Durability*	Section A, 16 §
Materials	Section A, 17 §
Design by testing and calculation**	Section A, 22 §
Calculation models and calculation methods**	Section A, 23 §

* The service life of Marutex martensitic steel, ASL 503, is rated equal to or better than that stated for Austenitic stainless steel (AISI 1.4404 which is classified as C5). In cases where galvanic connections may be relevant, the Marutex® screws are insulated against adjacent metal with sealing washers.

** Design according to relevant Eurocodes and national determined parameters in EKS.

Associated documents

" Marutex_The construction screw for those who want to invest for the future", dated 2022, containing calculation conditions and assortment list.

Type Approval C900832 | 2023-09-08

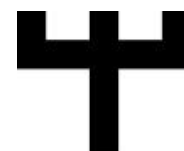
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Control

The factory production control (FPC) is monitored by an independent inspection body.

Control plan: Ref no. C900832 dated 2023-04-24, Inspection body: RISE

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this type approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this type approval is based.

Manufacturing places

Production control includes the following places:

U-nite Fasteners Technology AB, Uddevalla och Factory code 3010

Marking

The products are to be marked at the factory. The marking consists of a labels/texts on every product packing supplied and includes:

Holder/Distributor	U-nite Fasteners Technology AB
Manufacturing place/Factory code	Fabrikskod 3010
Product type designation	Marutex®
Consecutive manufacture no./date of production	nr/datum
Type approval number	C900832
Boverket's registered trade mark	†
RISE Accreditation number	1002
Certification and Inspection body	RISE

Basis for approval

Report P204820 together with opinion 2005-12-29, report P503650 and PX00605 from SP Sveriges Tekniska Forskningsinstitut and O100631-1100118 and report AO-0019109 from RISE.

Assortment list as described above with associated drawings, dated 2022

Comments

Prerequisites for use in current construction projects, regarding e.g. loads and fastenings, must be specified in construction documentation that include drawings and calculations.

Associated documents shall accompany the product or by other means be available to users of the product.

Validity

Valid through 2028-09-07.

The validity of this type approval can be verified at RISE homepage.

The validity of this type approval expires when the type approved products with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.



Stefan Coric

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish original shall take precedence.