



Ydeevnedeklaration Declaration of Performance



Selvborende skruer som træforbindelsesmiddel iht. ETA-11/0024 Self-tapping screws for use in timber structures according to ETA-11/0024

Ydelseserklæring (DoP) iht. Europa-parlamentets og Rådets forordning (EU) Nr. 305/2011 (forordning om byggevarer) af 9. marts 2011 om fastlæggelse af harmoniserede betingelser for markedsføring af byggevarer og om ophævelse af Rådets direktiv 89/106/EØF.
Declaration of performance (DoP) according to the regulation (EU) No 305/2011 (Construction Products Regulation - CPR) of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC (Construction Products Directive - CPD).

DoP nr. / DoP No.

DoP-ETA110024-05-2013

Gælder fra / valid from

1. juli 2013 / 1 July 2013

Byggevarens navn / name of the construction product

KonstruX HF, Paneltwistec, Topduo, Terrassotec, SP FK, Speedo, Hobotec, Hapatec, SP ZK, Ecotec, WBS, S-Idee

Fabrikant / manufacturer

E.u.r.o.Tec GmbH, Unter dem Hofe 5, 58099 Hagen, Germany

Den tekniske vurderingsorganer navn
Name of the Technical Assessment Body

ETA-Danmark A/S, Kollegievej 6, 2920 Charlottenlund, Denmark

Systemet til vurdering og kontrol af konstansen af byggevarens ydeevne
System of assessment and verification of constancy of performance of the construction product

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Identifikationsnummer og navn på det notificerede organ
Identification number and name of the notified body

1034 - HFB Engineering GmbH, Zschortauer Str.42, 04129 Leipzig, Germany

Overensstemmelsesattestens nummer for fabrikens egen produktionskontrol
Number of the certificate of conformity of the factory production control

1034-CPD-1986/1/2012

Deklareret ydeevne iht. ETA-11/0024 / declared performance according to ETA-11/0024

| Produktkendetegn / characteristic | | | Ø3,5 | Ø4,0 | Ø4,5 | Ø5,0 | Ø6,0 | Ø6,5 | Ø8,0 | Ø9,0 | Ø10,0 | Ø11,3 | Ø12,0 |
|--|--|-----------------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| Trækbæreevne Tensile strength | Kulstofstål eller 1.4006 ¹ undtagen KonstruX HF carbon steel or 1.4006 ¹ except KonstruX HF | $f_{tens,k}$ [kN] | 3,8 | 5,0 | 6,4 | 7,9 | 11,0 | - | 20,0 | - | 28,0 | - | 25,0 |
| | KonstruX HF | | - | - | - | - | - | 17,0 | 25,0 | 30,0 | 33,0 | 50,0 | - |
| | austenitisk ikke-rustende stål ² austenitic stainless steel ² | | 2,1 | 2,8 | 3,5 | 4,3 | 6,2 | - | 11,0 | - | - | - | - |
| Brudvridningsmoment Torsional strength | Kulstofstål eller 1.4006 ¹ undtagen KonstruX HF carbon steel or 1.4006 ¹ except KonstruX HF | $f_{tor,k}$ [Nm] | 2,0 | 3,0 | 4,2 | 5,6 | 9,5 | - | 22,0 | - | 40,0 | - | 42,0 |
| | KonstruX HF | | - | - | - | - | - | 19,0 | 28,0 | 51,0 | 48,0 | 80,0 | - |
| | austenitisk ikke-rustende stål ² austenitic stainless steel ² | | 1,2 | 1,8 | 2,5 | 3,4 | 5,7 | - | 13,0 | - | - | - | - |
| Flydemoment Yield moment | Kulstofstål eller 1.4006 ¹ undtagen KonstruX HF carbon steel or 1.4006 ¹ except KonstruX HF | $M_{y,k}$ [Nm] | 2,3 | 3,3 | 4,5 | 5,9 | 9,5 | - | 20,0 | - | 35,8 | - | 40,0 |
| | KonstruX HF | | - | - | - | - | - | 15,0 | 25,0 | 40,0 | 40,0 | 70,0 | - |
| | austenitisk ikke-rustende stål ² austenitic stainless steel ² | | 1,2 | 1,8 | 2,4 | 3,1 | 5,0 | - | 10,6 | - | - | - | - |
| Udtræksparameter Withdrawal parameter | undtagen skruer med spids BS except screws with tip type BS | $f_{ax,k}$ [N/mm ²] | 13,3 | 12,9 | 12,5 | 12,1 | 11,4 | 11,4 | 11,1 | - | 10,8 | 10,8 | 10,8 |
| | skruer med spids BS screws with tip type BS | | 9,0 | 9,0 | 9,0 | 9,0 | 9,0 | 9,0 | 9,0 | 9,0 | 9,0 | 8,0 | - |
| Hovedgennemtræksparameter Head pull-through parameter | undtagen skruer med hoved FK eller FK2 except screws with head type FK or FK2 | $f_{head,k}$ [N/mm ²] | 12,0 | | | | | | | | | | |
| | skruer med hoved FK eller FK2 screws with head type FK or FK2 | | 10,0 | | | | | | | | | | |

1) Skruer af kulstofstål eller martensitisk ikke-rustende stål 1.4006 / screws made of carbon steel or martensitic stainless steel 1.4006


2) Skruer af austenitisk ikke-rustende stål 1.4301, 1.4401 eller 1.4567 / screws made of austenitic stainless steel 1.4301, 1.4401 or 1.4567

De angivne varers ydeevne er i overensstemmelse med den deklarerede ydeevne. Denne ydeevnedeklaration udstedes på eneansvar af den fabrikant.

The performance of the mentioned products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer.

Underskrevet for fabrikanten og på dennes vegne af:
Signed for and on behalf of the manufacturer by:

Christoph Stübe
Produktmanager træbyggeri / product manager timber structures
Hagen, den 28. maj 2013 / Hagen, 28 May 2013


Underskrift / signature