



TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague

Akreditovaná zkušební laboratoř, Autorizovaná osoba, Notifikovaná osoba, Oznamovaný subjekt, Subjekt pro technické posuzování, Certifikační orgán, Inspekční orgán / Accredited Testing Laboratory, Authorized Body, Notified Body, Technical Assessment Body, Certification Body, Inspection Body. Prosecká 811/76a, 190 00 Praha 9 - Prosek, Czech Republic

ATTESTATION

No. 010-037010

It has been stated that for the construction product:

Annular Ring Shank Nail (Kammnaegel) with head-mark "H", "R" or "Z"

Type / variations:

4,0×40 mm; 4,0×50 mm; 4,0×60 mm; 4,0×75 mm; 4,0×100 mm

6,0×60 mm; 6,0×80 mm; 6,0×100 mm

placed on the market by:

ZHITI S.A.

30 Treti Mart Blvd., BG 7000, Bulgaria

Notified Body 1020

Technical and Test Institute for Construction Prague, branch 0100 Prague

has performed

according to Annex V, Clause 1.4 of the Regulation (EU) No 305/2011 of the EP and of the Council (CPR) - system 3

assessment of performance

for the following characteristics given in Annex ZA of the standard **EN 14592:2008+A1:2012** with obtained following characteristic values:

Characteristic / nail		4,0×40	4,0×40	4,0×60	4,0×75	4,0×100	6,0×60	6,0×80	6,0×100
Nominal diameter (d)		YES	YES	YES	YES	YES	YES	YES	YES
Area of fastener head (A _H)		YES	YES	YES	YES	YES	YES	YES	YES
Length of threaded part (l _g)		YES	YES	YES	YES	YES	YES	YES	YES
Length (l)		YES	YES	YES	YES	YES	YES	YES	YES
Length of point (l _p)		YES	YES	YES	YES	YES	YES	YES	YES
Characteristic yield moment (M _{y,k})	Nm		6,24				21,01		
Characteristic withdrawal parameter (f _{ax,k})	MPa		9,37				13,13		
Characteristic head pull-through parameter (f _{head,k})	MPa		26,29				18,06		
Characteristic tensile capacity (f _{tens,k})	MPa		633,08				640,88		
Durability corrosion protection		YES	YES	YES	YES	YES	YES	YES	YES

Test results are contained in Report about assessment of performance No. 1020 - CPR - 010037011 from 6. 9. 2016 issued by Technical and Test Institute for Construction Prague.

Stamp of the TZÚS Praha, s.p.

Prague, September 6th, 2016



Ing. Iveta Jiroutová
 Deputy Manager of branch 0100 Prague
 of the Technical and Test Institute for Construction Prague