



Declaration of Performance

No. DEW990080

Expandet Self-tapping woodscrews, Zinc Plated

Intended use or uses of the construction product according to EN 14592:2008+A1:2012	
Generic type	Self-tapping woodscrews with flathead, oval head and pan head (\varnothing 3,0 mm – 6,0 mm)
Material	Carbon steel acc. ASTM 510A
Durability	Service Class 1 & 2 acc. Eurocode 1992-1-1
Use of the product	Self-tapping woodscrews for use in load bearing timber structures
Notified Body (ITT)	Karlsruher Institut für Technologie (KIT), Holzbau und Baukonstruktionen NB 0769 ITT Report Nr. 106254_8 bis 106254_13 dated 26.04.2013.
Fire Reaction	A1 according to EN13501-1
Under AVCP System	3

Declared performances according to EN 14592:2008+A1:2012								
Essential Characteristics			Performance					
Nominal diameter (d)		[mm]	3 mm	3,5 mm	4,0 mm	4,5 mm	5,0 mm	6,0 mm
d_h	Head Diameter	[mm]	$\geq 5,6$	$\geq 6,6$	$\geq 7,5$	$\geq 8,5$	$\geq 9,5$	$\geq 11,5$
d_1	Inner thread diameter	[mm]	$\geq 1,76$	$\geq 2,05$	$\geq 2,34$	$\geq 2,63$	$\geq 2,93$	$\geq 3,51$
$M_{y,k}$ ($M_{y,Rk}$)	Characteristic Yield Moment	[Nmm]	$\geq 1,6$					
$f_{ax,k}$	Characteristic Withdrawal parameter	[N/mm ²]	≥ 16 ($\rho_k = 430$ kg/m ³)					
$f_{head,k}$	Characteristic head pull-through parameter ($\rho_a = 350$ kg/m ³)	[N/mm ²]	≥ 28 ($\rho_k = 430$ kg/m ³)					
$f_{tens,k}$	Characteristic tensile capacity	[N]	$\geq 2,4$					
$f_{tor,k}$ / $R_{tor,k}$	Torsional ratio ($\rho_a = 477$ kg/m ³)	[-]	$> 1,5$					
Durability			Service Class 1 & 2 acc. Eurocode 1992-1-1					

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of Expandet Screw Anchors A/S by:

Place and date of issue: Græsted, 29/02/2016

Peter van der Wel, Managing Director