



Declaration of Performance

No. DEW990015

Expandet Extra INOX A4 (316)

Intended use or uses of the construction product according to EN 14592+ A1:2012	
Generic type	Self-tapping woodscrews for use in load bearing timber structures.
Material	Stainless steel acc. EN 10088-1
Durability	Service class 1,2 & 3 acc. Eurocode EN 1995-1-1
Surface coating	Type 2
Fire Reaction	A1 according to EN13501-1
Notified Body (ITT)	Danish Technological Institute (Notified Body 1235)
Under AVCP System	3

Declared performances according to EN 14592 + A1:2012						
Essential Characteristics			Performance			
Nominal diameter (d)		[mm]	4,0	4,5	5,0	6,0
d_h	Head Diameter	[mm]	8,0	9,0	10,0	12,0
d_1	Inner thread diameter	[mm]	2,4	2,7	3,0	3,6
$M_{y,k}$ ($M_{y,Rk}$)	Characteristic Yield Moment	[Nmm]	1700	2700	3000	5300
$f_{ax,k}$	Characteristic Withdrawal parameter ($\rho_a = 350 \text{ kg/m}^3$)	[N/mm ²]	9,5	10		10,5
$f_{head,k}$	Characteristic head pull-through parameter ($\rho_a = 390 \text{ kg/m}^3$)	[N/mm ²]	15			14
$f_{tens,k}$	Characteristic tensile capacity	[N]	NPD	4300	5300	7200
$f_{tor,k} / R_{tor,k}$	Torsional ratio ($\rho_a = 477 \text{ kg/m}^3$)	[-]	≥ 1,5			
Durability			Austenitic Stainless steel (molybdenum chrome nickel alloy) Service Class 1,2 & 3 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 the manufacturer by:

Date and place: 12-05-2014, Græsted

Peter van der Wel, Managing Director