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DECLARATION OF PERFORMANCE

HBS8_CPR_20130701

1. Unique identification code of the product-type:

HBS8

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

the product identification "HBS screw diameter (d) 8 x length (l) 80 ÷ 500 mm" is on the label and on the Delivery slip

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Self-tapping screw to be used for structural connections in timber constructions

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Rotho Blaas srl - via dell'Adige 2/1 - 39040 Cortaccia (BZ) - Italy

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

not relevant

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

not relevant

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

ETA-DANMARK A/S

issued

ETA-11/0030

on the basis of

CUAP 06.03/08:2010

and

HFB Engineering GmbH - Leipzig (No. 1034)

performed

i) initial inspection of the manufacturing plant and of factory production control

ii) continuous surveillance, assessment and evaluation of factory production control

under system

2+

and issued

the certificate of conformity of the factory production control

9. Declared performance

see next page

see next page

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Robert Blaas

Legal Representative

Cortaccia, 01.07.2013

This document consists of pages 3

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9. Declared performance

Essential characteristics		Performance		Technical specification
Tensile strength	$f_{tens,k}$	20,1	kN	CUAP 06.03/08:2010 ETA-11/0030
Insertion moment - Ratio of the characteristic torsional strength to the mean insertion moment	$f_{tor,k} / R_{tor,mean}$	≥ 1,5		
Insertion moment - Torsional strength	$f_{tor,k}$	28,0	Nm	
Characteristic yield moment	$M_{y,k}$	20057,49	Nmm	
Characteristic withdrawal parameter	$f_{ax,k}$	11,7	N/mm^2	
Characteristic head pull-through parameter	$f_{head,k}$	10,5	N/mm^2	
Corrosion protection		Fe/Zn - min. 8c		
Durability		Satisfactory durability and serviceability when used in timber structures according to Eurocode 5. Service class 1 - 2.		
Serviceability				
Influence on air quality		No dangerous materials		
Reaction to fire		Euroclass A1		EC Decision 2000/605/EC
Identification		Annex A of ETA-11/0030 valid from 2012-11-08		CUAP 06.03/08:2010 ETA-11/0030

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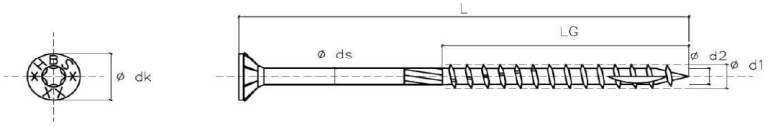
Annex A
Drawings of Rotho Blaas Screws
Rotho Blaas Screws "HBS"

d_1 [mm]	3.00 ± 0.08	3.50 ± 0.09	4.00 ± 0.10	4.50 ± 0.11	5.00 ± 0.12	6.00 ± 0.15	8.00 ± 0.20	10.00 ± 0.25	12.00 ± 0.30
d_2 [mm]	2.00 ± 0.05	2.25 ± 0.05	2.55 ± 0.06	2.80 ± 0.07	3.40 ± 0.09	3.95 ± 0.10	5.40 ± 0.13	6.40 ± 0.16	6.80 ± 0.17
d_S [mm]	2.16 ± 0.05	2.45 ± 0.06	2.75 ± 0.07	3.15 ± 0.08	3.65 ± 0.09	4.30 ± 0.11	5.80 ± 0.14	7.00 ± 0.18	8.00 ± 0.20
d_K [mm]	6.00 ± 0.15	7.00 ± 0.18	8.00 ± 0.20	9.00 ± 0.23	10.00 ± 0.25	12.00 ± 0.30	14.50 ± 0.36	18.25 ± 0.46	20.75 ± 0.52



Shank Ribs Optional

d_1 3.00 mm		d_1 3.50 mm		d_1 4.00 mm		d_1 4.50 mm		d_1 5.00 mm		d_1 6.00 mm		d_1 8.00 mm		d_1 10.00 mm		d_1 12.00 mm	
L [mm]	L_G [mm]	L [mm]	L_G [mm]	L [mm]	L_G [mm]	L [mm]	L_G [mm]	L [mm]	L_G [mm]	L [mm]	L_G [mm]	L [mm]	L_G [mm]	L [mm]	L_G [mm]	L [mm]	L_G [mm]
20	15	20	14	25	20	25	20	40	20	40	35	40	32	60	52	160	80
25	20	25	14	30	16	30	25	45	24	50	35	60	52	80	52	200	80
30	25	25	20	30	18	35	18	50	24	50	45	80	52	90	52	200	100
35	30	30	18	30	25	35	24	50	30	60	30	90	52	100	52	220	80
40	35	30	25	35	16	40	24	60	30	60	35	100	52	120	52	220	100
		35	18	35	18	45	24	60	35	70	30	100	60	120	60	240	80
		40	18	40	24	45	30	70	35	70	40	100	80	120	80	240	100
		45	24	45	24	50	24	70	40	80	40	120	52	140	52	260	80
		50	24	45	30	50	30	80	40	80	50	120	60	140	60	260	100
				50	24	60	30	80	50	90	40	120	80	140	80	280	80
				50	30	60	35	90	45	90	50	140	52	160	80	280	100
				60	30	70	35	90	55	90	55	140	60	180	80	300	80
				60	35	70	40	100	50	100	50	140	80	180	90	300	100
				70	35	80	40	100	60	100	60	160	80	200	80	300	120
				70	40			110	50	110	50	160	90	200	100	320	80
				80	40			110	55	110	60	160	100	220	80	320	100
								110	60	120	50	180	80	220	100	320	120
								120	50	120	60	180	90	240	80	340	80
								120	60	120	75	180	100	240	100	340	100
										130	50	200	80	260	80	340	120
										130	60	200	100	260	100	360	80
										130	75	220	80	280	80	360	100
										140	75	220	100	280	100	360	120
										140	80	240	80	300	80	380	80
										150	75	240	100	300	100	380	100
										150	80	260	80	300	120	380	120
										160	75	260	100	320	80	400	80
										160	90	280	80	320	100	400	100
										180	75	280	100	320	120	400	120
										180	100	300	80	340	80	440	100
										200	75	300	100	340	100	440	120
										200	100	300	120	340	120	480	100
										220	75	320	80	360	80	480	120
										220	100	320	100	360	100	500	100
										240	75	320	120	360	120	500	120
										240	100	340	80	380	80	520	100
										260	75	340	100	380	100	520	120
										260	100	340	120	380	120	540	100
										280	75	360	80	400	80	540	120
										280	100	360	100	400	100	550	100
										300	75	360	120	400	120	550	120
										300	100	380	80	420	80	560	100
												380	100	420	100	560	120
												380	120	420	120	600	100
												400	80	440	100	600	120
												400	100	440	120		
												400	120	450	100		
												420	80	450	120		
												420	100	460	100		
												420	120	460	120		
												440	100	480	100		
												440	120	480	120		
												450	100	500	100		
												450	120	500	120		
												460	100				
												460	120				
												480	100				
												480	120				
												500	100				
												500	120				

Tolerance (L and L_G): + 2,00 mm - 1,00 mm / All specification in [mm] / Intermediate length (L) and thread length (L_G) are possible.

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