

VGS A4

ICC
ES
ESR-4645

CE
ETA-11/0030

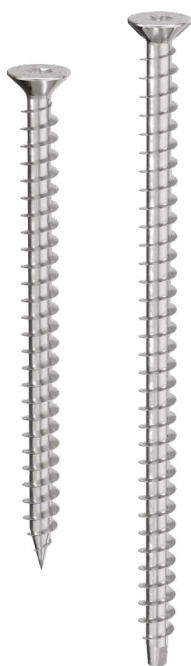
FULL THREAD CONNECTOR WITH COUNTERSUNK HEAD

A4 | AISI316

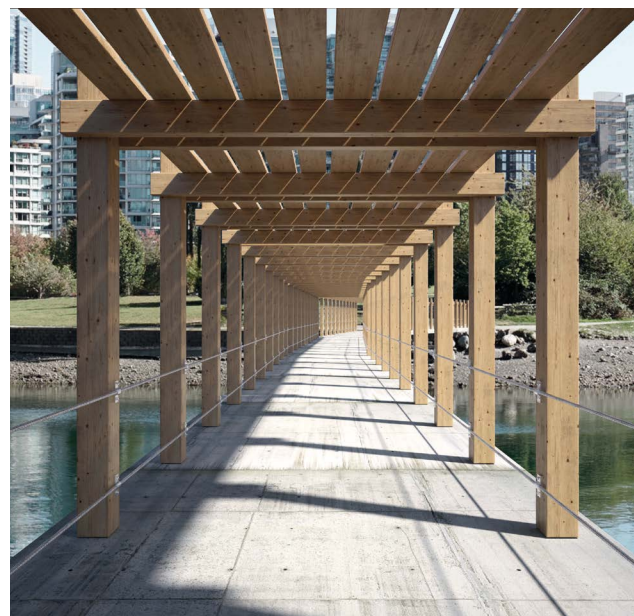
A4 | AISI316 austenitic stainless steel for high corrosion resistance. Ideal for environments adjacent to the sea in corrosivity class C5 and for insertion on the most aggressive timbers in class T5.

T5 TIMBER CORROSIVITY

Suitable for use in applications on aggressive woods with an acidity (pH) level below 4 such as oak, Douglas fir and chestnut, and in wood moisture conditions above 20%.



METAL-to-TIMBER
recommended use:



DIAMETER [mm]

9 11 13

LENGTH [mm]

80 100 600 1500

SERVICE CLASS

SC1 SC2 SC3 SC4

ATMOSPHERIC CORROSIVITY

C1 C2 C3 C4 C5

WOOD CORROSIVITY

T1 T2 T3 T4 T5

MATERIAL

A4
AISI 316 A4 | AISI316 austenitic stainless steel (CRC III)



FIELDS OF USE

- timber based panels
- solid timber and glulam
- CLT and LVL
- ACQ, CCA treated timber

CODES AND DIMENSIONS

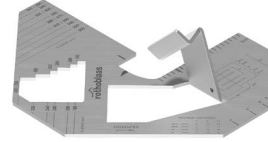
d ₁ [mm]	CODE	L [mm]	b [mm]	pcs
9 TX 40	VGS9120A4	120	110	25
	VGS9160A4	160	150	25
	VGS9200A4	200	190	25
	VGS9240A4	240	230	25
	VGS9280A4	280	270	25
	VGS9320A4	320	310	25
11 TX 50	VGS9360A4	360	350	25
	VGS11100A4	100	90	25
	VGS11150A4	150	140	25
	VGS11200A4	200	190	25
	VGS11250A4	250	240	25
	VGS11300A4	300	290	25
	VGS11350A4	350	340	25
	VGS11400A4	400	390	25
	VGS11500A4	500	490	25
	VGS11600A4	600	590	25

RELATED PRODUCTS



HUS A4
TURNED WASHER

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JIG VGZ 45°
TEMPLATE FOR 45° SCREWS

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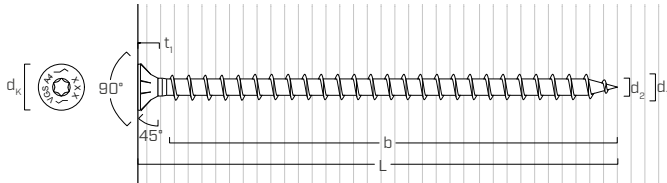


TORQUE LIMITER
TORQUE LIMITER

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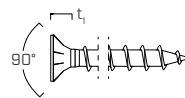
GEOMETRY

VGS Ø9-Ø11



VGS Ø9

L ≤ 240 mm

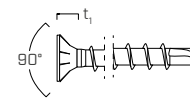


VGS Ø11

L ≤ 250 mm

VGS Ø9

240 mm < L ≤ 360 mm



VGS Ø11

250 mm < L ≤ 600 mm

Nominal diameter	d ₁	[mm]	9	11
Head diameter	d _K	[mm]	16,00	19,30
Head thickness	t ₁	[mm]	6,50	8,20
Thread diameter	d ₂	[mm]	5,90	6,60
Pre-drilling hole diameter ⁽¹⁾	d _{V,S}	[mm]	5,0	6,0

⁽¹⁾ Pre-drilling valid for softwood.

For the mechanical parameters please see ETA-11/0030.



HYBRID STEEL-TIMBER STRUCTURES

Ideal for steel structures where high-strength customised connections are required, particularly in adverse climatic contexts such as the marine environment and acidic woods.

SWELLING OF TIMBER

Application in combination with polymeric interlayers such as XYLOFON WASHER gives the joint a certain adaptability to mitigate stresses resulting from shrinkage/swelling of the wood.