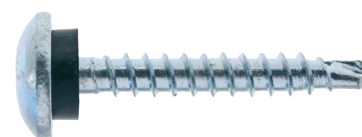
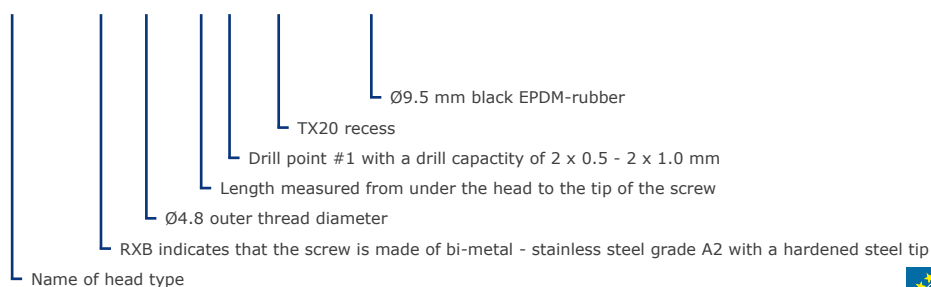


## BI-METAL FACADE SCREW

CORONA™ RXB 4.8 X L #1 TX20 EPDM-9.5B



European Technical Assessment ETA-10/0021

Effective length

TX recess

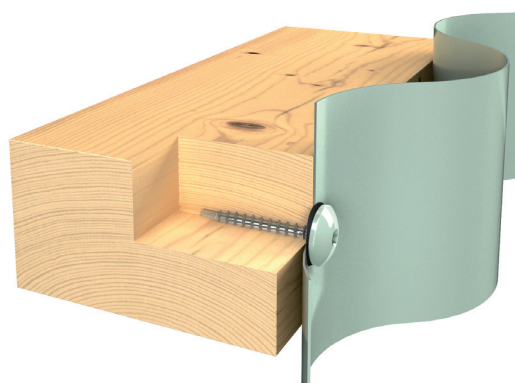
Bi-metal stainless A2

### RODUCT RANGE

Art.no.	Item name	Washer [mm]	Thread [mm]	Length L [mm]	Effective length $L_{ef}$ [mm]	Drill point	Drill cap. [mm]	Head [mm]	Unit
10491	CORONA™ RXB 4.8 X 35 #1 TX20 EPDM-9.5B	EPDM Ø9.5	Ø4.8	35	20.0	#1	2 x 0.5 - 2 x 1.0	Ø13.8 TX20	250
10492	CORONA™ RXB 4.8 X 60 #1 TX20 EPDM-9.5B			60	45.0				100
18236	CORONA™ RXB 4.8 X 80 #1 TX20 EPDM-9.5B			80	65.0				100

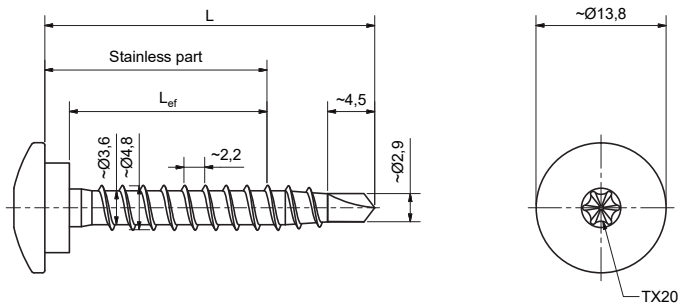
### ADVANTAGES

- Suitable for fastening of thin gauge sheeting to wood
- Reduced drill point for increased pullout values
- Drilling, tapping and fastening in one operation
- Drill point designed for fast drilling in harder steel
- Supplied with washer for better load distribution and increased sealing abilities
- CORONA™ head for an aesthetic finish
- Surface treated with zinc
- Good corrosion resistance
- Available in more than 500 colours (Qualicoat certified facade quality powder)
- CE marked according to european standards



## PRODUCT DATA

Technical data	
Head:	Ø13.8 mm domed head with TX20 recess
Washer:	Ø9.5 mm black EPDM-rubber
Diameter:	Ø4.8 mm
Effective length:	$L_{ef} = L - 15.0$ mm
Drill point:	#1 (reduced drill point)
Drill capacity:	2 x 0.5 - 2 x 1.0 mm (Steel S280GD)
Material:	Bi-metal, stainless steel A2 with drill point made of hardened steel
Surface treatment:	3-6 µm zinc with blue chromate passivate
Corrosivity category:	C4 according to EN ISO 12944-2



## DESIGN RESISTANCE

The design resistance of the screw is determined in accordance with european technical assessment ETA-10/0021 and EN 1995-1-1:2004 + AC:2006 + A1:2008 + A2:2014.

The resistance when loaded in tension,  $N_{Rd}$ , appears from the table on the right and is the minimum value of the pull-out resistance of the supporting object, the pull-through resistance of the fixed object, and the tension resistance of the screw.

The resistance when loaded in shear,  $V_{Rd}$ , appears from the table on the right and is the minimum value of the bearing resistance of the supporting object and the fixed object, and the shear resistance of the screw.

The theoretical values must be considered indicative since the conditions of the construction site may vary. Practical tests of the specific application are recommended for verification of the listed values.

### Assumptions:

Fixed object: Steel S280GD - EN 10346  
 Supporting object: Structural wood, C24  
 Density,  $\rho_k = 350$  kg/m<sup>3</sup>

L = Length of the screw [mm]  
 t = Thickness of the fixed object [mm]

All resistances are stated in kN (1 kN  $\approx$  100 kg)  
 Safety factor:  $\gamma_M = 1.35$ ,  $k_{mod} = 0.90$

Design resistance when loaded in tension, $N_{Rd}$ [kN]			
t \ L	35	60	80
0.50	0.82	1.07	1.07
0.55	0.82	1.22	1.22
0.63	0.82	1.46	1.46
0.75	0.82	1.88	2.27
0.88	0.82	1.88	2.72
1.00	0.82	1.88	2.72
1.13	0.82	1.88	2.72
1.25	0.82	1.88	2.72

Design resistance when loaded in shear, $V_{Rd}$ [kN]			
t \ L	35	60	80
0.50	0.57	0.81	0.81
0.55	0.57	0.89	0.89
0.63	0.57	1.06	1.06
0.75	0.57	1.11	1.11
0.88	0.57	1.16	1.16
1.00	0.57	1.21	1.21
1.13	0.57	1.27	1.27
1.25	0.57	1.27	1.32

# DECLARATION OF PERFORMANCE

In compliance with 'REGULATION (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products' (the Construction Products Regulation or CPR), it is stated that the performance of the construction product identified below is in conformity with the declared performance.

Product identifications:

**MG:06 PG:2660 | CORONA™ RXB X L #1 TX20 EPDM-9.5B**

(Main Group # Product Group # | Item name)

The screws mentioned above are packed in branded cartons clearly marked with CE according to ETA-10/0021. For specification of the intended use and declared performance of the product please refer to the technical data sheet.

Placed on the market by:

**ASTON SWEDEN AB**

Hangarvägen 23  
SE-691 35 Karlskoga, Sweden

(Name / address)

European Assessment Document: EAD 330046-01-0602  
European Technical Assessment: ETA-10/0021  
Technical Assessment Body: Deutsches Institut für Bautechnik  
Notified Body no.: 0769  
System of AVCP: 2+

This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

*Morten Johansen*

Morten Johansen  
M.Sc., Engineering

**ASTON**  
SWEDEN

Company stamp  
ASTON SWEDEN AB

2018-04-23  
Date of issue