

SBS A2 | AISI304

SELF-DRILLING TIMBER-TO-METAL SCREW

BIMETAL SCREW

The head and body are made of A2 | AISI304 stainless steel, thus providing high resistance to corrosion. The tip is made of carbon steel for excellent drilling performance.

TIMBER-TO-METAL TIP

Special self-perforating tip with bleeder geometry for excellent drilling capacity both in aluminium and steel. The fins protect the screw thread during timber pull-through.

STAINLESS STEEL

The A2 | AISI304 stainless steel head and body make it ideal for outdoor applications. Very sharp under-head ribs for a perfect surface finish on the wooden element.



DIAMETER [mm]

3,5 ☐ 4,8 ☒ 6 ☐ 8

LENGTH [mm]

25 ☐ 45 ☒ 120 ☐ 240

SERVICE CLASS

☒ SC1 ☒ SC2 ☒ SC3

ATMOSPHERIC CORROSIVITY

☒ C1 ☒ C2 ☒ C3 ☒ C4

WOOD CORROSIVITY

☒ T1 ☒ T2 ☒ T3 ☒ T4

MATERIAL

A2
AISI 304 A2 | AISI304 austenitic stainless steel (CRC II)



FIELDS OF USE

Direct fastening, without pre-drilling hole, of timber elements to steel substructures:

- in S235 steel with a maximum thickness of 6,0 mm
- in aluminium with a maximum thickness of 8,0 mm

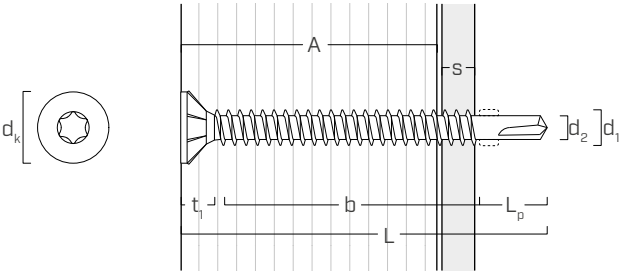
CODES AND DIMENSIONS

d ₁ [mm]	CODE	L [mm]	b [mm]	A [mm]	s _S [mm]	s _A [mm]	pcs
4,8 TX 25	SBSA24845	45	31	30	1 ÷ 3	2 ÷ 3	200
5,5 TX 25	SBSA25555	55	39	37	2 ÷ 5	3 ÷ 5	200

d ₁ [mm]	CODE	L [mm]	b [mm]	A [mm]	s _S [mm]	s _A [mm]	pcs
6,3 TX 30	SBSA26370	70	53	49	3 ÷ 6	4 ÷ 8	100
	SBSA263120	120	103	99	3 ÷ 6	4 ÷ 8	100

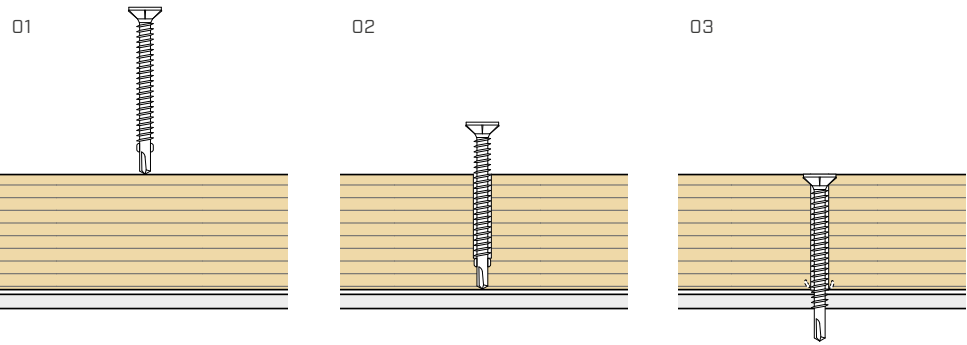
s_S thickness that can be drilled, steel plate S235/St37
s_A thickness that can be drilled, aluminium plate

GEOMETRY



Nominal diameter	d ₁	[mm]	4,8	5,5	6,3
Head diameter	d _K	[mm]	9,25	10,50	10,50
Thread diameter	d ₂	[mm]	3,50	4,15	4,80
Head thickness	t ₁	[mm]	4,25	4,85	4,50
Tip length	L _p	[mm]	10,3	10,0	12,0

INSTALLATION



RECOMMENDATIONS FOR SCREWING:
steel: v_S ≈ 1000 - 1500 rpm
aluminium: v_A ≈ 600-1000 rpm



OUTDOOR ENVIRONMENT

Austenitic A2 stainless steel offers higher corrosion resistance.
Suitable for outdoor applications up to 1 km from the sea and on class T4 acid wood.