

SBN - SBN A2 | AISI304

SELF-DRILLING METAL SCREW

TIP FOR METAL

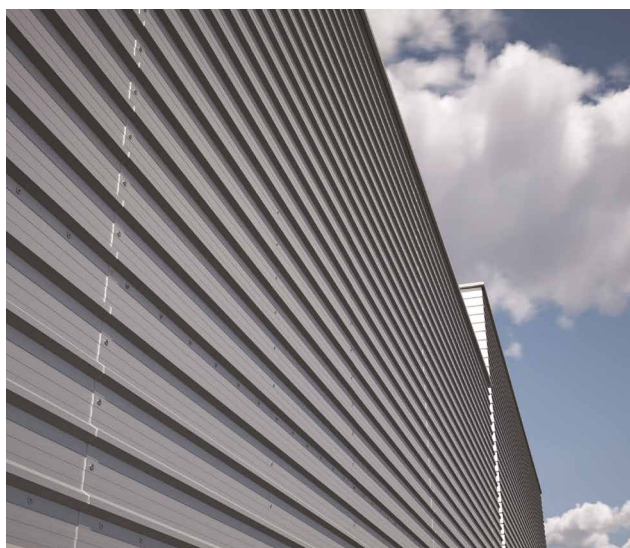
Special self-perforating tip for iron and steel in thicknesses ranging from 1/32" to 3/16". Ideal for fastening overlapping sections of metal and sheet metal.

FINE THREAD

Fine thread ideal for precise fastening on sheet metal or for metal-to-metal or timber-to-metal couplings.

STAINLESS STEEL

Also available in a bimetal version with head and body in A2 | AISI304 stainless steel and tip in carbon steel. Ideal for outdoor fastening of clips on aluminium supports.



DIAMETER [in]

0.14 **0.14** 0.22 0.32

LENGTH [in]

1 **1 15/16** 9 1/2

EXPOSURE CONDITION

EC1 EC2 EC3 **WET**

ATMOSPHERIC CORROSIVITY

C1 C2 C3 C4

WOOD CORROSIVITY

T1 T2 T3 T4

MATERIAL

Zn
ELECTRO
PLATED electrogalvanized carbon steel

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



FIELDS OF USE

Direct fastening, without pre-drill, of metal structural elements to steel substructures (maximum thickness: 3/16").

CODES AND DIMENSIONS

SBN

d ₁ [mm] [in]	CODE	L		b		A	s	pcs
3,5 0.14 #6 TX 15	SBN3525	25	1	16	5/8	5/8	1/32 - 1/16	500
3,9 0.16 #7 TX 15	SBN3932	35	1 3/8	27	1 1/16	7/8	1/32 - 1/8	200
4,2 0.17 #8 TX 20	SBN4238	38	1 1/2	30	1 3/16	1 1/8	1/16 - 1/8	200
4,8 0.19 #10 TX 25	SBN4845	45	1 3/4	34	1 5/16	1 5/16	1/16 - 3/16	200
5,5 0.22 #12 TX 25	SBN5550	50	1 15/16	38	1 1/2	1 1/2	1/16 - 3/16	200

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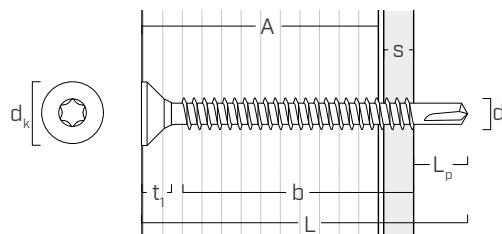
d ₁ [mm] [in]	CODE	L		b		A	s	pcs
3,5 0.14 #6 TX 15	SBNA23525	25	1	16	5/8	13/16	1/32 - 1/16	1000
3,9 0.16 #7 TX 15	SBNA23932	32	1 1/4	24	15/16	1	1/32 - 1/8	1000

s thickness that can be drilled, metal plate (steel or aluminium)

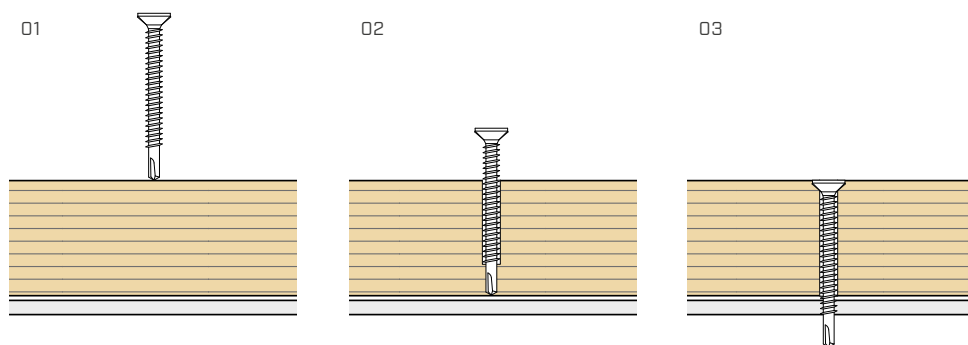
GEOMETRY

Nominal diameter	d ₁ [in] ⁽¹⁾	SBN					SBN A2	
		0.14	0.16	0.17	0.19	0.22	0.14	0.16
Outer thread diameter	d ₁ [mm] [in]	3,5 0.138	3,9 0.154	4,2 0.165	4,8 0.189	5,5 0.217	3,5 0.138	3,9 0.154
Head diameter	d _K [in]	0.256	0.295	0.311	0.366	0.417	0.287	0.295
Root diameter	t ₁ [in]	0.102	0.150	0.142	0.154	0.161	0.134	0.150
Tip length	L _p [in]	0.197	0.205	0.244	0.260	0.295	0.193	0.205

⁽¹⁾The nominal diameter of the screw is converted into imperial units and rounded up to the nearest decimal point.



INSTALLATION



RECOMMENDATIONS FOR SCREWING:

steel: $v_s \approx 1000 - 1500$ rpm
aluminium: $v_A \approx 600-1000$ rpm



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Ideal for outdoor fastening to standard Rothoblaas aluminium clips.

See CLIP for decks from page 392.