

KKK AISI410

SELF-DRILLING SCREW TIMBER-TO-TIMBER | TIMBER-TO-ALUMINIUM

TIMBER-TO-ALUMINIUM

Self-perforating timber-to-metal tip with special bleeder geometry. Ideal for fastening timber or WPC boards to aluminium substructures.

TIMBER-TO-TIMBER

Also ideal for fastening timber or WPC boards to thin wooden substructures, they, too, made with wooden boards.

METAL-TO-ALUMINIUM

Short version ideal for fastening clips, plates and angle brackets to aluminium substructures. Can be used to fix aluminium-aluminium overlaps.

OUTDOOR APPLICATIONS ON ACID WOOD

AISI410 martensitic stainless steel. This stainless steel offers higher mechanical performance compared to the other available stainless steels. Suitable for outdoor applications and on acid wood, but away from corrosive agents (chlorides, sulphides, etc.).



DIAMETER [in]

0.14 **0.16 0.20** 0.32

LENGTH [in]

13/16 **13/16** 115/16 12 5/8

EXPOSURE CONDITION



ATMOSPHERIC CORROSIVITY



WOOD CORROSIVITY



MATERIAL



AISI410 martensitic stainless steel



FIELDS OF USE

Outdoor use.

Wooden boards with density of $< 880 \text{ kg/m}^3$ [$G = 1.05$] on aluminium with a thickness of $< 1/8"$ (without pre-drill).

CODES AND DIMENSIONS



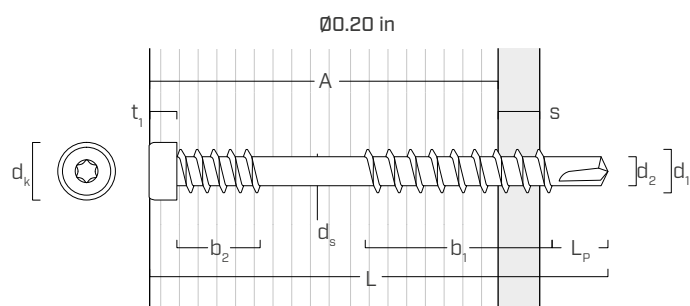
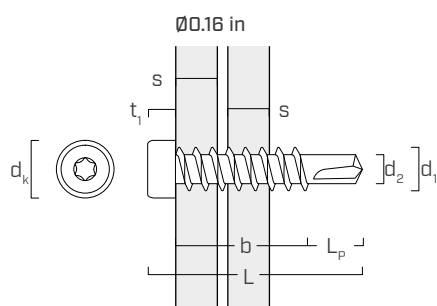
d_1 [mm] [in]	CODE	L [mm] [in]	b_1 [in]	b_2 [in]	A [in]	s [in]	pcs
4 #16 TX 20	KKA420	20	13/16	7/16	-	1/32 - 3/32	200



d_1 [mm] [in]	CODE	L [mm] [in]	b_1 [in]	b_2 [in]	A [in]	s [in]	pcs
5 #20 TX 20	KKA540	40	1 9/16	5/8	7/16	1 1/8	200
	KKA550	50	1 15/16	13/16	7/16	1 9/16	100

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

GEOMETRY



Nominal diameter	d_1	[in] ⁽¹⁾	0.16	0.20
		[mm]	4	5
Outer thread diameter	d_1	[in]	0.157	0.197
Head diameter	d_k	[in]	0.248	0.268
Root diameter	d_2	[in]	0.110	0.138
Shank diameter	d_s	[in]	-	0.171
Head thickness	t_1	[in]	0.122	0.132
Tip Length	L_p	[in]	0.217	0.256

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



ALU TERRACE

Ideal for fastening timber or WPC boards, clips or angle brackets to aluminium substructures.