

# 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

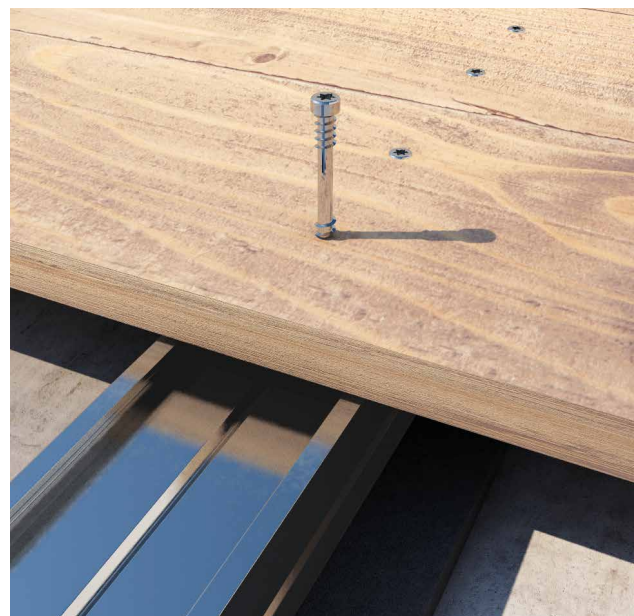
Also ideal for fastening timber or WPC boards to thin wooden substructures, they, too, made with wooden boards.

### 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



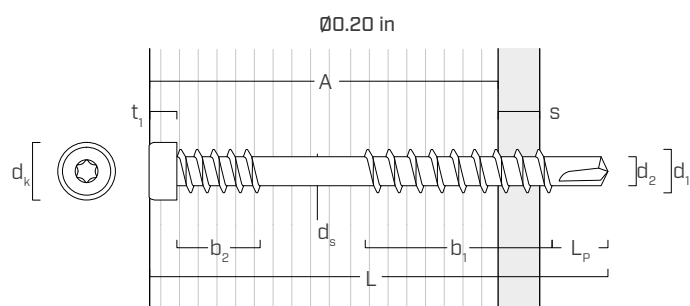
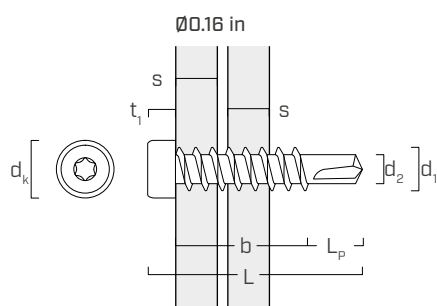
$d_1$ [mm] [in]	CODE	L		$b_1$ [in]	$b_2$ [in]	A [in]	s [in]	pcs
4 #16 TX 20	KKA420	20	13/16	7/16	-	-	1/32 - 3/32	200



$d_1$ [mm] [in]	CODE	L		$b_1$ [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	1/16 - 1/8	200
	KKA550	50	1 15/16	13/16	7/16	1 9/16	1/16 - 1/8	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] <sup>(1)</sup>	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

<sup>(1)</sup>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.