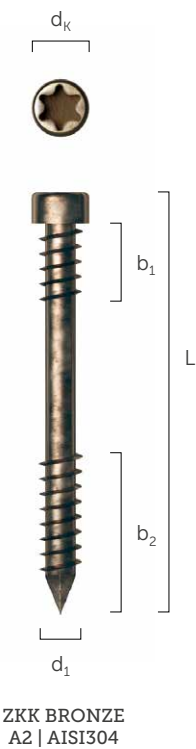
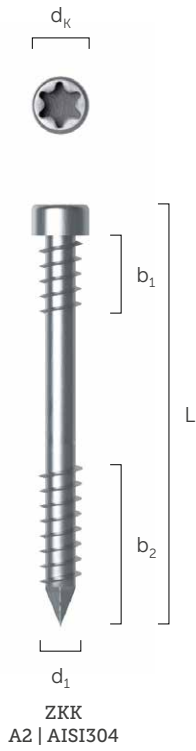
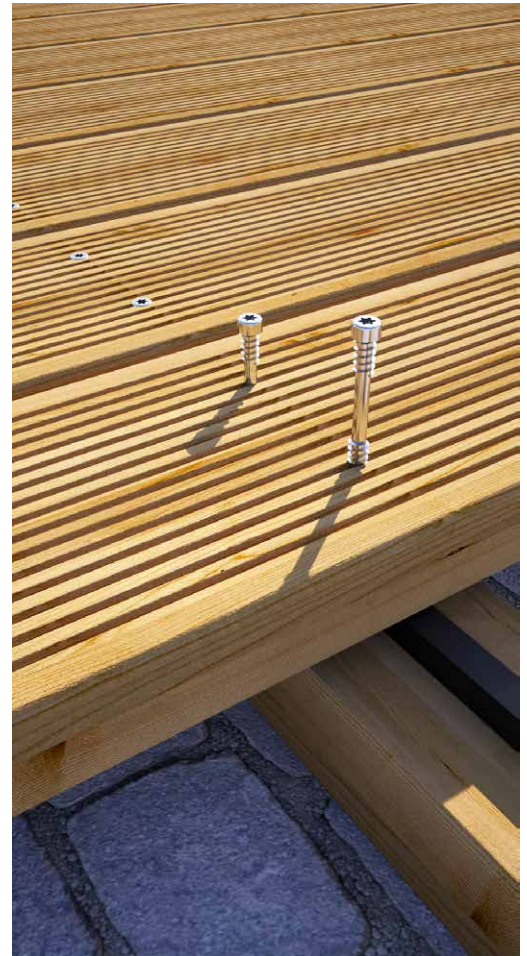


# ZKK



## COUNTERSUNK CYLINDRICAL HEAD SCREW

- Special tip with sword-shaped geometry designed to efficiently drill very high density woods without pre-drill (with pre-drill, over 1000 kg/m<sup>3</sup>)
- The larger diameter under-head thread ensures an effective grip, guaranteeing good coupling of the wooden elements. Concealed head
- Available in a version in antique-burnished stainless steel, ideal to guarantee superb camouflaging in the timber
- Use in aggressive outdoor environments. Suitable for service classes 1-2-3
- Application on timber boards with density of < 780 kg/m<sup>3</sup> (without pre-drilling hole) and < 1240 kg/m<sup>3</sup> (with pre-drilling hole). It can be applied to WPC boards (with pre-drilling hole)
- Also tested on very high density woods, such as IPE, massaranduba or bamboo Microllam® (over 1000 kg/m<sup>3</sup>)



MATERIAL: A2 | AISI304 austenitic stainless steel



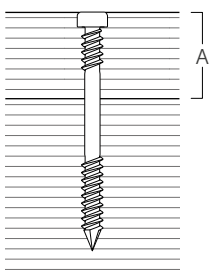
### ZKK A2 | AISI304

d <sub>1</sub> [mm]	d <sub>k</sub> [mm]	CODE	L [mm]	b <sub>1</sub> [mm]	b <sub>2</sub> [mm]	A [mm]	pcs
5 TX 25	6,80	ZKK550	50	11	22	28	200
		ZKK560	60	11	27	33	200
		ZKK570	70	11	32	38	100

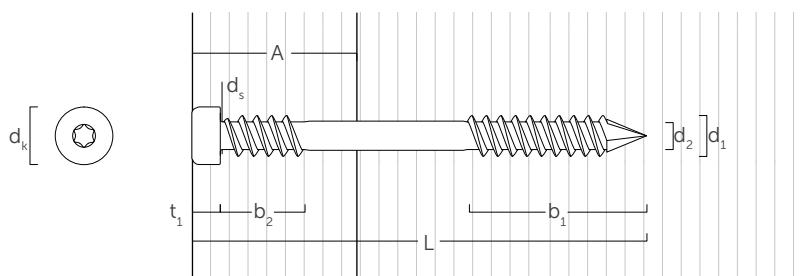
### ZKK BRONZE A2 | AISI304

d <sub>1</sub> [mm]	d <sub>k</sub> [mm]	CODE	L [mm]	b <sub>1</sub> [mm]	b <sub>2</sub> [mm]	A [mm]	pcs
5 TX 25	6,80	ZKKB550	50	11	22	28	200
		ZKKB560	60	11	27	33	200

A maximum fastening thickness



## GEOMETRY AND MECHANICAL CHARACTERISTICS



<b>nominal diameter</b>	<b>d<sub>1</sub></b>	<b>[mm]</b>	<b>5</b>
head diameter	d <sub>k</sub>	[mm]	6,80
thread diameter	d <sub>2</sub>	[mm]	3,50
shank diameter	d <sub>s</sub>	[mm]	4,35
head thickness	t <sub>1</sub>	[mm]	3,10
pre-drilling hole diameter <sup>(1)</sup>	d <sub>v</sub>	[mm]	3,50
characteristic yield moment	M <sub>y,k</sub>	[Nm]	5,3
characteristic withdrawal-resistance parameter <sup>(2)</sup>	f <sub>ax,k</sub>	[N/mm <sup>2</sup> ]	17,05
characteristic head-pull-through parameter <sup>(2)</sup>	f <sub>head,k</sub>	[N/mm <sup>2</sup> ]	36,79
characteristic tensile strength	f <sub>tens,k</sub>	[kN]	5,71

<sup>(1)</sup>For high density materials, pre-bored holes are recommended based on the wood species.

<sup>(2)</sup>Associated density ρ<sub>a</sub> = 350 kg/m<sup>3</sup>.