

Technical data sheet

SIMPSON**Strong-Tie**

TTZNFS

Countersunk Wood Screw Impreg®+

The TTZNFS has the latest Impreg®+ coating meaning that it is suitable for outdoor use. The type 17 point allows for easier installation and prevents any splitting of the timber whilst the serrated thread helps reduce the installation torque. 80mm and longer variants have an additional milling thread to further reduce the installation torque. This screw has a 6 lobe drive and countersunk head which allows for a flush finish in the timber. The TTZNFS is CE marked to EN14592.

[Find it in the Solid Wood Application >](#)

Features

Material

Steel - Impreg®+ coating

Features

- CE marked to EN14592
- 6 lobe drive
- Flat countersunk head with prismatic design
- Type 17 point
- Serrated thread
- Impreg®+ coating

Applications

Suitable For

- Timber to timber applications

Use on

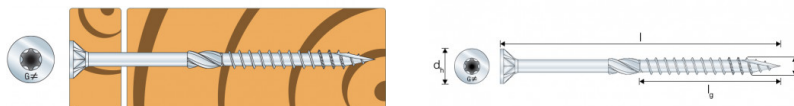
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Product Dimensions



References	Item Code	Fastener dimensions [mm]						Weight [kg]
		d	l	d _h	d ₁	l _g	Driver Bit	
TTZNFS4.5X25	74481	4.5	25	8.4	2.8	20	T-20	0.002
TTZNFS4.5X30	74482		30	8.4	2.8	25	T-20	0.002
TTZNFS4.5X40	74483		40	8.4	2.8	35	T-20	0.003
TTZNFS4.5X50	74484		50	8.4	2.8	30	T-20	0.003
TTZNFS4.5X60	74485		60	8.4	2.8	35	T-20	0.004
TTZNFS4.5X70	74486		70	8.4	2.8	40	T-20	0.005
TTZNFS5.0X50	74489	5	50	9.5	3.2	30	T-25	0.004
TTZNFS5.0X60	74490		60	9.5	3.2	35	T-25	0.005
TTZNFS5.0X70	74491		70	9.5	3.2	40	T-25	0.006
TTZNFS5.0X80	74493		80	9.5	3.2	40	T-25	0.007
TTZNFS5.0X90	74495		90	9.5	3.2	45	T-25	0.007
TTZNFS5.0X100	74487		100	9.5	3.2	60	T-25	0.008
TTZNFS5.0X120	74488		120	9.5	3.2	60	T-25	0.009
TTZNFS6.0X60	74504	6	60	11.6	3.8	35	T-30	0.007
TTZNFS6.0X70	74505		70	11.6	3.8	40	T-30	0.008
TTZNFS6.0X80	74506		80	11.6	3.8	40	T-30	0.01
TTZNFS6.0X90	74508		90	11.6	3.8	45	T-30	0.011
TTZNFS6.0X100	74497		100	11.6	3.8	60	T-30	0.012
TTZNFS6.0X120	74499		120	11.6	3.8	70	T-30	0.015
TTZNFS6.0X140	74501	6	140	11.6	3.8	70	T-30	0.016
TTZNFS6.0X160	74502		160	11.6	3.8	70	T-30	0.018

* not covered by CE marking

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Characteristic Capacities

References	Characteristic Yield Moment – $M_{y,k}$ [$M_{y,k}$] [Nmm]	Characteristic withdrawal parameter - $f_{ax,k,90^\circ}$ [$f_{ax,k,90^\circ}$] [N/mm ²]	Characteristic head pull-through parameter - $f_{head,k}$ [$f_{head,k}$] [N/mm ²]	Characteristic tensile capacity - $f_{tens,k}$ [$f_{tens,k}$] [kN]
TTZNFS4.5X25	4660	14.7	15.6	7.8
TTZNFS4.5X30	4660	14.7	15.6	7.8
TTZNFS4.5X40	4660	14.7	15.6	7.8
TTZNFS4.5X50	4660	14.7	15.6	7.8
TTZNFS4.5X60	4660	14.7	15.6	7.8
TTZNFS4.5X70	4660	14.7	15.6	7.8
TTZNFS5.0X50	6720	15	17.1	7.9
TTZNFS5.0X60	6720	15	17.1	7.9
TTZNFS5.0X70	6720	15	17.1	7.9
TTZNFS5.0X80	6720	15	17.1	7.9
TTZNFS5.0X90	6720	15	17.1	7.9
TTZNFS5.0X100	6720	15	17.1	7.9
TTZNFS5.0X120	6720	15	17.1	7.9
TTZNFS6.0X60	9500	12.5	16.6	11.1
TTZNFS6.0X70	9500	12.5	16.6	11.1
TTZNFS6.0X80	9500	12.5	16.6	11.1
TTZNFS6.0X90	9500	12.5	16.6	11.1
TTZNFS6.0X100	9500	12.5	16.6	11.1
TTZNFS6.0X120	9500	12.5	16.6	11.1
TTZNFS6.0X140	9500	12.5	16.6	11.1
TTZNFS6.0X160	9500	12.5	16.6	11.1

Refer to relevant ITTR or ETA for more details

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