

Technical Sheet

SIMPSON

Strong-Tie

ESCRFTZ

Fully Threaded Cylinder Head Structural Screw

The ESCRFTZ cylindrical head structural wood screw with full thread can be used for timber framing, framework and reinforcement. These ETA approved structural screws are designed for load-bearing timber structures.

Features

Material

- Steel - electogalvanised yellow zinc coating

Features

- ETA approved (ETA-13/0796)
- No pre-drilling required
- High withdrawal resistance
- Fully Threaded
- Cylinder head

Applications

Suitable for

- Solid Timber, Glulam timber, CLT, Wood-based panels

Common Applications

- Timber to timber applications
- Timber reinforcement



YZP



ESCRFTZ Fully Threaded Cylinder Head Structural Screw

Technical Data



Product Dimensions

Reference	Fasteners Dimensions[mm]						
	Other	Product Dimensions[mm]					
	Weight[kg]	d[mm]	l[mm]	dh[mm]	d1[mm]	Thread Length[mm]	Driver Bit[mm]
ESCRFTZ8.0X120	0.025	8	120	10.2	5.1	110	T-40
ESCRFTZ8.0X140	0.032	8	140	10.2	5.1	130	T-40
ESCRFTZ8.0X160	0.007	8	160	10.2	5.1	150	T-40
ESCRFTZ8.0X180	0.008	8	180	10.2	5.1	170	T-40
ESCRFTZ8.0X200	0.008	8	200	10.2	5.1	190	T-40
ESCRFTZ8.0X220	0.009	8	220	10.2	5.1	210	T-40
ESCRFTZ8.0X240	0.01	8	240	10.2	5.1	230	T-40
ESCRFTZ8.0X260	0.011	8	260	10.2	5.1	250	T-40
ESCRFTZ8.0X280	0.012	8	280	10.2	5.1	270	T-40
ESCRFTZ8.0X300	0.012	8	300	10.2	5.1	290	T-40
ESCRFTZ8.0X350	0.014	8	350	10.2	5.1	340	T-40
ESCRFTZ8.0X400	0.017	8	400	10.2	5.1	390	T-40

Product characteristic properties

Reference	Screw Parameters			
	Characteristic parameters			
	Characteristic Yield Moment – $M_{y,k}$ [Nm]	Characteristic withdrawal parameter - $f_{ax,k,90^\circ}$ [N/mm ²]	Characteristic tensile capacity – $f_{tens,k}$ [kN]	Characteristic torsional strength – $f_{tor,k}$ [Nm]
ESCRFTZ8.0X120	20.3	13.1	24.1	-
ESCRFTZ8.0X140	20.3	13.1	24.1	-
ESCRFTZ8.0X160	20.3	13.1	24.1	-
ESCRFTZ8.0X180	20.3	13.1	24.1	-
ESCRFTZ8.0X200	20.3	13.1	24.1	-
ESCRFTZ8.0X220	20.3	13.1	24.1	-
ESCRFTZ8.0X240	20.3	13.1	24.1	-
ESCRFTZ8.0X260	20.3	13.1	24.1	-
ESCRFTZ8.0X280	20.3	13.1	24.1	-
ESCRFTZ8.0X300	20.3	13.1	24.1	-
ESCRFTZ8.0X350	20.3	13.1	24.1	-
ESCRFTZ8.0X400	20.3	13.1	24.1	-

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Structural Screw



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