



PRODUCT DATA

Timber Type 17 Self-Embed Head

Self Drilling Timber Screw (SDS) #10-12

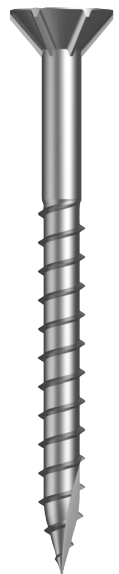
Applications	
•	Self-embedding head with ribs creates flush finish
•	Ribs under head allow for particle removal
•	Square drive for better fit enables smoother and safer installation

Material	 A2 304 Stainless
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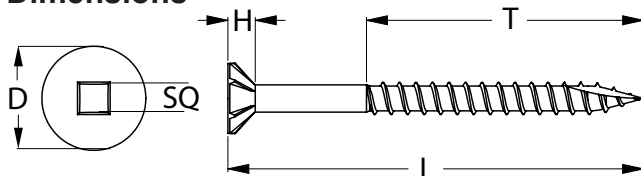
Finish	 304 304 Stainless
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DRILLX[®]

10 Gauge Self-Embed Head



Dimensions



Part	QFind	Gauge	TPI	Length	Thread Length	Head Height	Head ø	Drive Size
				L (mm)	T (mm)	H (mm)	D (mm)	AF (inch)
T04WSSQ1012040	QT161	10	12	40	27	4.3	9.1	SQ #2
T04WSSQ1012050	QT162	10	12	50	33	4.3	9.1	SQ #2
T04WSSQ1012065	QT163	10	12	65	43	4.3	9.1	SQ #2
T04WSSQ1012075	QT164	10	12	75	50	4.3	9.1	SQ #2

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Pullout Values

Plate (Purlin)	Timber Plate Thickness	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
F7 Pine	20	2550	2000	800
F27 Hardwood	20	2700	2200	850

Mechanical Properties

Torsional Strength	¹ Mean Tensile Strength	¹ Mean Shear Strength	² Characteristic Tensile Strength	² Characteristic Shear Strength
(Nm)	(N)	(N)	(N)	(N)
5.4	7600	4550	6900	4150

Note: 1000N = 1kN

¹Mean Load/Strength is the average ultimate strength of samples tested.

²Characteristics Load/Strength: 95% of these screws are expected to have a strength greater than the loads shown.

³Working Load is the governing minimum allowable load obtained by comparing relevant concrete and steel working loads. Factor of Safety (FOS=2.5 for steel, FOS=2.5 for timber and FOS=3.0 for concrete) are already included.

All values are obtained under laboratory conditions using DRILLX product. Safety factors should be considered for design purposes. Actual pullout loads may differ slightly depending on certain properties of the base material.

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Installation

1. Use a cordless screw driver set between 2,200-3,000 RPM. Fit the Square Drive Bit into the screw and place at the fastening position.
2. Apply consistently firm pressure to the screw driver while the screw is drilling.
3. Care should be taken not to over-tighten the screw.

*Installation with impact drivers not recommended.

Recommended for use with:

POWER SQUARE S2 ALLOY STEEL BLACK / impaX DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDIPSQS20100	B375	100
TXDIPSQS20150	B380	150



Recommended Square #2 Drive Bit

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