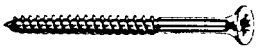
HARDENED STEEL WOODSCREWS (Supafast® range)

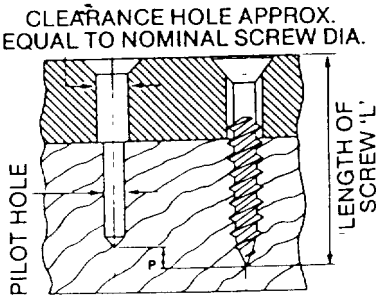
The Nettlefolds Supafast range of hardened woodscrews has been developed for the more demanding applications.

Product features include:-

- Fast helix twinstart threadform for fast, balanced screw insertion
- Sharp point for easy starting.
- Deep threadform to avoid splitting of timber
- Through hardened to enhance performance and reduce screw abuse.



Article No. 503
Countersunk Supascrew



DESIGN CONSIDERATIONS

1 In many applications the Supafast range of screws can be used without pilot holes especially in all soft woods and some hard wood applications. In the case of harder timbers pilot holes may be required.

Pilot Hole sizes and spacing

Screw Size		P* mm	Hard Woods High Density Boards			Soft Woods Low Density Boards		
			Pilot Hole dia. mm	Nearest Drill Sizes		Pilot Hole dia. mm	Nearest Drill Sizes	
sg	mm			mm	No. or in.		mm	No. or in.
3	2 4	3 00	1 5	1.5	No 53			
4	2 7	3 00	1 7	1.7	No 51			
5	3 1	4 00	1 9	1 9	No 49			
6	3 5	4 00	2 2	2 2	No 44	1 6	1 6	1/16
7	3 8	4 50	2 4	2 4	3/32	1 7	1 7	No 51
8	4 2	5 50	2 5	2 5	No 40	1 8	1 8	No 50
10	4 9	6 00	2 8	2 8	No 35	2 0	2 0	5/64
12	5 6	8 00	3 2	3 2	1/8	2 4	2 4	3/32

* P is the amount by which the pilot hole is shorter than the screw length (see diagram)

2 To obtain the maximum performance from the woodscrews, spacing and edge distance needs to be considered. It is recommended that the following spacing guidelines are used.-

Spacing of Woodscrews

	Driven without Pre-drilled Holes	Driven into Pre-drilled Holes
Distance from end	20 D	10 D
Distance from edge	5 D	5 D
Distance between lines of screws	10 D	3 D
Distance along the grain between adjacent screws	20 D	10 D

D = Diameter of Woodscrew

TYPICAL APPLICATIONS

The design of the Supafast products with its combination of sharp point, twinstart steep pitch threadform makes them ideal for a wide range of applications into both soft and hard woods like oak, beech and mahogany. It can also be used into chipboard, melamine faced chipboard and medium density fibre board The fact that the product is through hardened means that in soft wood and some hard wood applications no pilot hole is necessary. Unlike the conventional woodscrew Supascrew has a steep pitch to the threadform which makes the screw very fast and easy to insert