



Structural *F23-E* & *F23-W*

Multi-Ply Engineered Wood *F23-E* | Multi-Ply Dimensional Wood *F23-W*

Interior Grade Code Compliant Wood Screw

FLAT



Starborn® Structural *F23-E* and *F23-W* screws are specifically designed for interior multi-ply beam connections. They are a fully tested alternative to nails and through-bolts, and can be installed from one side of the beam without pre-drilling. Structural *F23-E* and *F23-W* screws feature a unique Tri-Forge™ point for reduced driving torque and a low-profile flat head that minimizes interference with connectors and finish materials. They are available in specific lengths for 2-, 3-, and 4-ply beams. *F23-E* screws are designed to fasten LVL, LSL, and PSL multi-ply beams. *F23-W* screws are designed to fasten 2x sawn lumber multi-ply beams.



Features

- No pre-drilling
- Alternative to nails and through-bolts
- 0.23" shank diameter
- T40 star drive head eliminates cam-out
- Tri-Forge™ Point provides a fast start, minimal splitting, and reduced driving torque
- Speed-Knurl™ reduces friction on the unthreaded shank for faster installation
- Thread design prevents board jacking
- Gray e-coat finish with lubricated top-coat for interior use only

Code Compliance Reports

- Fastener Properties and Design Values (DrJ TER 1703-05)
- Multi-Ply Applications (DrJ TER 1703-03)

Lateral Design Values (lbf)

Length	Head Marking*	Thread Length	HF/SPF (0.42 SG)		DF/SP/SCL (0.50 SG)	
			Z Perp	Z Para	Z Perp	Z Para
Structural F23-E						
3-3/8"	D23 3.4 XFE	1-1/2"	-	-	220	280
5"	D23 5 XFE				540	485
6-3/4"	D23 6.8 XFE					
Structural F23-W						
2-7/8"	D23 2.9 XFW	1.4"	205	250	220	280
4-3/8"	D23 4.4 XFW		405	280	540	485
5-7/8"	D23 5.9 XFW					



*Indicates Diameter and Length.

For exterior applications, use Starborn Structural F23 black coated screws.
For complete technical information, visit starbornindustries.com

Packaging

Structural F23-E			
Length	50 pc		250 pc
	Item no.	Case Qty.	Item no.
3-3/8"	XF23ET0338	6	XF23EQ0338
5"	XF23ET0500	6	XF23EQ0500
6-3/4"	XF23ET0675	6	XF23EQ0675

Structural F23-W			
Length	50 pc		250 pc
	Item no.	Case Qty.	Item no.
2-7/8"	XF23WT0288	6	XF23WV0288
4-3/8"	XF23WT0438	6	XF23WQ0438
5-7/8"	XF23WT0588	6	XF23WQ0588