

Technical Data Sheet

EJOT Flat Roof Screw FRS-R#12-13



Product Information

EJOT FRS –R#12-13 flat roof fasteners are designed to attach roofing components such as insulation, cover board, and roofing membrane to either steel or wood deck. This fastener should be used with EJOT roofing plate or any other plate that meets EJOT’s specifications.

Method of Application

1. The fasteners can be engaged on the a steel or wood deck using a #3 Phillips tip and a speed drill. Be cautious as not to over drive the fastener and make sure that the thread is engaged with the decking material.
2. The screw lengths are as follows depending on the material of the substructure:
 - > Steel substructure: Length should penetrate through the substrate a minimum of 0.75” (19.1 mm).
 - > Wood substructure: Length should penetrate through the substrate a minimum of 1” (25.4 mm).

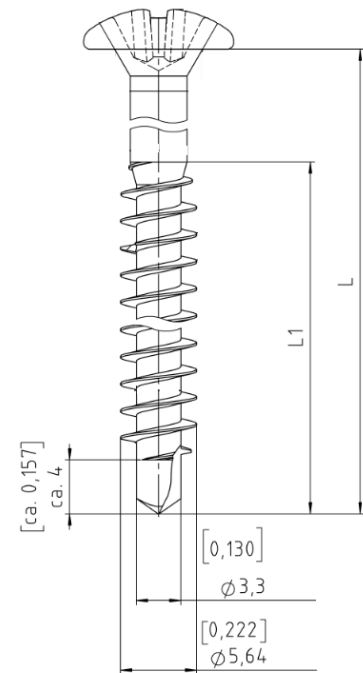
Typical Product Properties

Property	Performance
Material	Carbon Steel SAE 1018/SAE 1022, Case hardened
Thread Size	0.222” (5.64mm) Major Diameter
Thread per Inch	13
Fastener Tip	Drill point design
Fastener Head	Truss head screw
Typical Pullout in a 18 ga.	640.1 lbf
Typical Pullout in a 20 ga.	377.5 lbf
Typical Pullout in a 22 ga.	342.7 lbf
Fastener Ultimate Tensile Strength	2624.1 lbf
Corrosion Test	Kesternich Test—15 cycles without reduct

Technical Data Sheet

Product Selection

Part No.	Length (L) inch (mm)	Thread Length (L1) inch (mm)	Description
3555561202	2" (50)	-	FRS-R#12-13x2" (50)
3555561203	3" (76)	-	FRS-R#12-13x3" (76)
3555561204	4" (102)	3" (76)	FRS-R#12-13x4" (102)
3555561205	5" (127)	4" (102)	FRS-R#12-13x5" (127)
3555561206	6" (152)	4" (102)	FRS-R#12-13x6" (152)
3555561207	7" (178)	4" (102)	FRS-R#12-13x7" (178)
3555561208	8" (203)	4" (102)	FRS-R#12-13x8" (203)
3555561209	9" (229)	4" (102)	FRS-R#12-13x9" (229)
3555561210	10" (254)	4" (102)	FRS-R#12-13x10" (254)
3555561211	11" (279)	4" (102)	FRS-R#12-13x11" (279)
3555561212	12" (305)	4" (102)	FRS-R#12-13x12" (305)

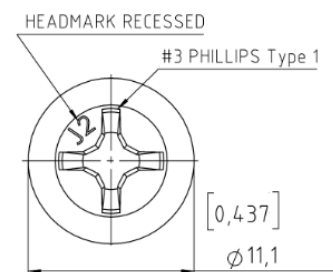


Storage

Fasteners should be stored in the original packaging to protect them from the weather.

Precautions

Installation of the fastener should use eye protection to reduce the risk of infection.



The data sheet highlights EJOT products and specifications. The mentioned values are subject to change without notice and are based on tested samples that may vary within applicable tolerances. EJOT takes responsibility for ensuring that the quality materials meets published EJOT product specifications. EJOT does not accept any liability for structural failure or resultant damages. A structural engineer should be consulted with before installation to ensure structural soundness or structural ability. No EJOT representative is authorized to vary this disclaimer.