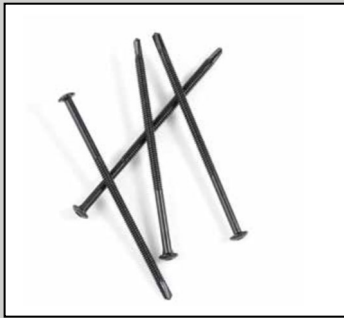


# Product Data Sheet



## RETRODRILLER FASTENER

Item Description	Item Number
Purlin Fastener 4" – 12" (101.6 mm – 304.8 mm) Length	See Table Below

### Description

The RetroDriller Fastener is designed for attaching single-ply membrane systems to structural steel purlins (up to 3/16" (4.78 mm)) in standing seam metal roof retrofit applications. The RetroDriller Fastener is to be used with the GenFlex EZ TPO InvisiWeld plates.

The RetroDriller Fastener has a 7/16" (11.13 mm) drill point that quickly drills into structural purlins. Fastener must be installed with a minimum 1" (25.4 mm) penetration through the purlin.

Five lengths available from 4" – 12" (101.6 to 304.8 mm) and is Factory Mutual approved.

Depending on hardness/tensile of the purlins or bar joist, the RetroDriller Fastener may be used on steel up to 3/16" (5 mm) thick. The low-profile head has a smooth surface to ensure that there is no damage to the membrane.

### Method of Application

1. Prior to job bid pullout tests should be conducted.
2. Using a screw gun with a maximum of 1800 RPM, drive the fastener through the purlin until a slight depression is seen around the plate. **NOTE:** Caution should be taken not to overdrive the fastener causing stress plate surface to deflect more than 1/16-in. (1.6 mm).
3. For best installation results, use a high torque, low RPM screw gun with a maximum of 1,800 RPM.

### Storage

Store in original, unopened packaging protected from the weather.

### Precautions

- Eye protection must be worn during the installation of the fasteners and any drilling operation.
- Refer to Safety Data Sheets (SDS) for additional safety information.



## Typical Properties

Property	Value
Head	#3 Square Drive Truss Head – 0.425" (10.79 mm) Diameter
Thread	0.228" (5.79 mm) Diameter
Shank	0.191" (4.85 mm) Diameter
Coating	Coated, Meets FM 4470 Requirements
Packaging: 4" – 10" Lengths (101.6 mm – 254 mm)	500 per Bucket, with one (1) #3 square drive tip to install RetroDrillers
Packaging: 12" Length (304.8 mm)	250 per Bucket, with one (1) #3 square drive tip to install RetroDrillers

## Part Numbers and Size Information

Item Number	Length	Thread	Package Quantity	Weight	Buckets per Pallet
W59RACRD04	4" (101.6 mm)	3" (76.2 mm)	500	20 lb (9.07 kg)	32
W59RACRD05	5" (127 mm)	3" (76.2 mm)	500	21 lb (9.53 kg)	32
W59RACRD06	6" (152.4 mm)	3" (76.2 mm)	500	27 lb (12.25 kg)	32
W59RACRD07	7" (177.8 mm)	3" (76.2 mm)	500	31 lb (14.07 kg)	32
W59RACRD08	8" (203.2 mm)	3" (76.2 mm)	500	35 lb (15.88 kg)	32
W59RACRD10	10" (254 mm)	3" (76.2 mm)	500	40 lb (18.16 kg)	24
W59RACRD12	12" (304.8 mm)	3" (76.2 mm)	250	53 lb (24.04 kg)	12

Please contact Amrize Technical Services at 800-428-4511 for further information.

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