

irus® Performance Drill Screws

irus 12-14, 12-24 self-drill and 1/4-14 lap self-drill  
For metal to metal

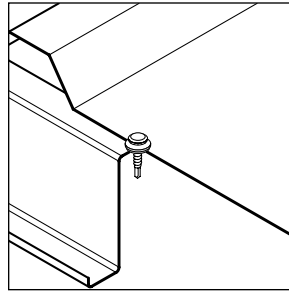
- irius is a patented drive system adaptable to a full range of metal building fasteners.
- irius fasteners' low profile head has changed the future architectural appearance of side-wall fastening.

- Fastening system drive socket ensures positive engagement and prevents damage to a painted fastener head.
- Impax™ or SX self-drilling point design assures superior point strength and excellent drill performance through high strength steel.
- Corrosion resistant coating system.

Application

12-14 irius Self-Drill  
Metal to metal

Drilling capacity: .035 – .210  
Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.  
Min projection: 3/16" of threads below substrate



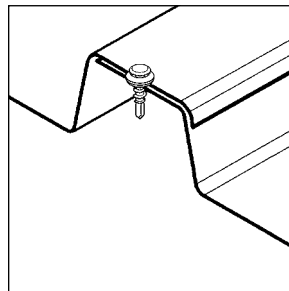
irus low profile and drive system  
Thread Major Dia: .215 – .209  
Thread Minor Dia: .164 – .157

**Strength (lbs ult.):**  
Tensile: 2900  
Torsional: 92 in-lbs  
Shear: 2050

**Pull-out (lbs ult.):**  
12 ga (.105): 1539  
14 ga (.075): 1010  
16 ga (.060): 724  
**Pull-over with Bond Seal (lbs ult.):**  
24 ga (.024): 934  
26 ga (.018): 585

1/4-14 irius Lap  
Panel to panel side lap

Drilling capacity: .030 – .095  
Some applications may require attaching light gage (24 – 26 ga) to sub-structural member.  
Composite thickness should not exceed .095 thickness.



irus low profile and drive system  
Thread Major Dia: .246 – .240  
Thread Minor Dia: .192 – .185

**Strength (lbs ult.):**  
Tensile: 3800  
Torsional: 150 in-lbs  
Shear: 2850

**Pull-out (lbs ult.):**  
22 ga (.030): 379  
24 ga (.024): 304  
26 ga (.018): 204

Notes

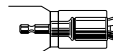
Dimensions are nominal inches unless noted. Self-drill pull-out values (pounds ultimate) are based on 57,000 psi hot rolled steel material. Lap self-drill pull-out values is based on 40,000 psi AZ55 Galvalume steel sheet material. Ultimate values listed are the result of laboratory testing. The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fasteners.

Selection

Length	Part No. #12-14 Bond Seal 7/16 (12 mm)	Length	Part No. 1/4-14 Lap Bond Seal
12-14 x 1-1/4"	S6632-FYF	1/4-14 x 7/8"	S6851-HZF
12-14 x 1-1/2"	S6677-FYF		

Installation

Tools: 0 – 2000 rpm screwdriver equipped with depth sensing nosepiece.



Options

Painted



SX Stainless  
Self-Drilling

