

# ASAP FASTENING SYSTEMS, INC.

SUPPLIES FOR INDUSTRY AND CONSTRUCTION

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## Elco® Self-Drilling Screws With FLO-SEAL® Integral Sealing Washer Design

Diameter:	#12 (.212" thread o.d.) and ¼" (.248")
Point Style:	#12 diameter has a #2 PT, ¼" diameter has either a #3 PT or #1 PT. "STITCH"
Finish:	Stalgard® Corrosion Resistant Finish (see below for details)
Washer Design:	E.P.D.M. 1 Piece "integral" Washer, 9/16" O.D.
Head Style:	#12 & ¼" stitch have 5/16" Hex (A.F.), ¼" diameter has 3/8" Hex (A.F.)
Origin:	Manufactured by Elco Construction Products in Rockford, IL Complies with "Buy America" Act

Elco's patented Flo-Seal is the only one-piece washer design system that incorporates a unique outer skirt and inner compression ring system along with a premium corrosion resistant finish. Under driven, over driven or angle driven, Flo-Seal delivers a custom seal with each fastening.

PULL-OUT VALUES (AVERAGE LBS. ULTIMATE)

### STEEL GAUGES

DIA.	Point Style	24	22	20	18	16	14	12
#12	2	241	287	371	607	844	1184	1860
¼"	1	327	433	565	802	1148	--	--
¼"	3	229	290	341	617	884	1141	1852

Point	Diameter	Application Range
#1	¼"	Fastening or "stitching" light gauge sheets up to 18 ga. (.096" Max. combined)
#2	#12	Up to .150"
#3	¼"	Up to .210"

### FASTENER VALUES

DIA.	Tensile (lbs. min.)	Shear (Avg. lbs. ult.)	Min. Torsional (in.-lbs)
#12	2800	1875	92
¼"	3850	2590	150

Catalog Numbers

Description	Cat #
12 - 14 x 3/4" #2 PT.	HB150
12 - 14 x 1" #2 PT.	HB180
12 - 14 x 1" (Hi Thread)	HB200
12 - 14 x 1 1/4" #2 PT.	HB235
12 - 14 x 1 1/2" #2 PT.	HB295
12 - 14 x 2" #2 PT.	HB310
12 - 14 x 2 1/2" #3 PT.	HL285*
12 - 14 x 3" #3 PT.	HL295*
12 - 14 x 4" #2 PT.	HL310*
¼ - 14 x 7/8" #1 Pt. Stitch	HB515
¼ - 14 x 3/4" #3 PT.	HB500
¼ - 14 x 1" #3 PT.	HB525
¼ - 14 x 1 1/4" #3 PT.	HB550
¼ - 14 x 1 1/2" #3 PT.	HB570
¼ - 14 x 2" #3 PT.	HL585*
¼ - 14 x 3" #3 PT.	HL600*
¼ - 14 x 4" #3 PT.	HL610*

\*EPDM Bonded Sealing Washers, Not FloSeal

### Corrosion Resistance Performance Data:

Salt Spray Results (ASTM B117): 800 hours - No signs of red rust

Silver Stalgard is an entirely chrome-free process that combines an inorganic zinc-rich basecoat with an aluminum-pigmented organic topcoat. This duplex technology offers advantages of both sacrificial and barrier corrosion protection and is engineered to provide exceptional bi-metallic corrosion resistance with reduced whitening. Unlike conventional plating processes, the non-electrolytically applied coating eliminates the concern of hydrogen embrittlement.