



AEROSMITH FASTENING SYSTEMS – March, 2018

TECHNICAL BULLETIN #110

**Aerosmith Brand SurePins & VersaPins
WITHDRAWAL COMPARISONS***

(Rev.- 07/08 and 03/18)

Allowable Design Loads in LBS.
(Safety Factor = 2.5)

Steel Gauge	#12 S.D. Screw & #14 S.D. Screw(1)	.145” Nom. Pin(2)	.100” Nom. Pin(2)
14 ga. (68 mils)	SSMA –196 lb // #12SD SSMA –N/A // #14 Grabber –231 lb // #12SD Grabber –241 lb // #14SD	263.8 lbs.	175.7 lbs.
12ga. (97 mils)	SSMA –N/A // #12SD SSMA –N/A // #14SD Grabber –390 lb // #14SD Grabber –386 lb // #14SD	404 lbs.	209.9 lbs.

Sources:

- (1) SSMA Technical Catalog, 2001; ‘Fasteners’; page 48 www.ssma.com and Grabber ICC-ER5280; 2003; www.grabberman.com
- (2) ‘Design Provisions for Aerosmith Pins’ Report #LGSRG-2-96; Reynaud Serrette, PHD, S.E.; Santa Clara University 1996.
- (3) Reviewed – 03/2018

*Contact your design professional for the accepted use for the above values.

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