



**AEROSMITH FASTENING SYSTEMS – March, 2018**

**TECHNICAL BULLETIN #104**

(Rev. 01/05; and 03/18)

**AEROSMITH GRIPSHANK® PINS**  
**VS.**  
**SCREW WITHDRAWALS\* FROM COLD FORMED STEEL**

Average Ultimate Fastener Withdrawal Values (Pounds)\*

FASTENER	22ga.	20ga.(structural)	18ga.	16ga.	14ga.	12ga.
Aerosmith-Progressive(1)	185.3	284.7	337.0	449.0	596	561
Aerosmith-Lab(2)	185.0	285.0	400.2	531.4	748	834
Buildex S-12™(3)	N/A	165.0	496.0	453.0	825	911
SSMA-#12(4)	171.0	189.0	372.0	468.0	588	615
SSMA - #10	150.0	252.0	327.0	411.0	477.0	NA
SSMA - #08	129.0	216.0	282.0	354.0	NA	NA
SSMA - #06	11.0	183.0	237.0	252.0	NA	NA

- (1) Results documented by Progressive Laboratories; Goshen, In. 07/15/03. Reviewed 03/2018
- (2) Results documented by Aerosmith In-house Laboratory; Indianapolis, In. 10/15/04. Reviewed 03/2018
- (3) Results published by ITW; Itasca, Il.; ESR 1976, 07/2016
- (4) Results published on Steel Stud Manufacturers’ Association Website: [www.ssma.com](http://www.ssma.com) - 2017.

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

**Aerosmith Fastening Systems**  
 5621 Dividend Road  
 Indianapolis, IN 46241  
 Toll-Free: 800.528.8183  
 Tel: 317.243.5959  
 Fax: 317.390.6980