



**AEROSMITH GRIPSHANK® PINS**  
**VS.**  
**SCREW WITHDRAWALS FROM COLD FORMED STEEL**  
 January, 2005

**Average Ultimate Fastener Withdrawal Values (Pounds)**

<b>FASTENER</b>	<b>22ga.</b>	<b>20ga.</b>	<b>18ga.</b>	<b>16ga.</b>	<b>14ga.</b>	<b>12ga.</b>
<b>Aerosmith-Progressive(1)</b>	<b>185.3</b>	<b>284.7</b>	<b>337.0</b>	<b>449.0</b>	<b>596</b>	<b>561</b>
<b>Aerosmith-Lab(2)</b>	<b>185.0</b>	<b>285.0</b>	<b>400.2</b>	<b>531.4</b>	<b>748</b>	<b>834</b>
<b>Buildex S-12™(3)</b>	<b>N/A</b>	<b>165.0</b>	<b>496.0</b>	<b>453.0</b>	<b>825</b>	<b>911</b>
<b>SSMA-#12(4)</b>	<b>N/A</b>	<b>N/A</b>	<b>372.0</b>	<b>468.0</b>	<b>588</b>	<b>NA</b>
<b>SSMA - #10</b>	<b>N/A</b>	<b>252.0</b>	<b>327.0</b>	<b>411.0</b>	<b>519</b>	<b>NA</b>
<b>SSMA - #08</b>	<b>177.0</b>	<b>216.0</b>	<b>282.0</b>	<b>354.0</b>	<b>NA</b>	<b>NA</b>
<b>SSMA - #06</b>	<b>150.0</b>	<b>183.0</b>	<b>237.0</b>	<b>N/A</b>	<b>NA</b>	<b>NA</b>

- (1) Results documented by Progressive Laboratories; Goshen, In. 07/15/03.
- (2) Results documented by Aerosmith In-house Laboratory; Indianapolis, In. 10/15/04
- (3) Results published by ITW Buildex®; Itasca, Il. 10/20/04
- (4) Results published on Steel Stud Manufacturers' Association Website:  
[www.ssma.com](http://www.ssma.com)

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