

# SpotFast™ Performance Data

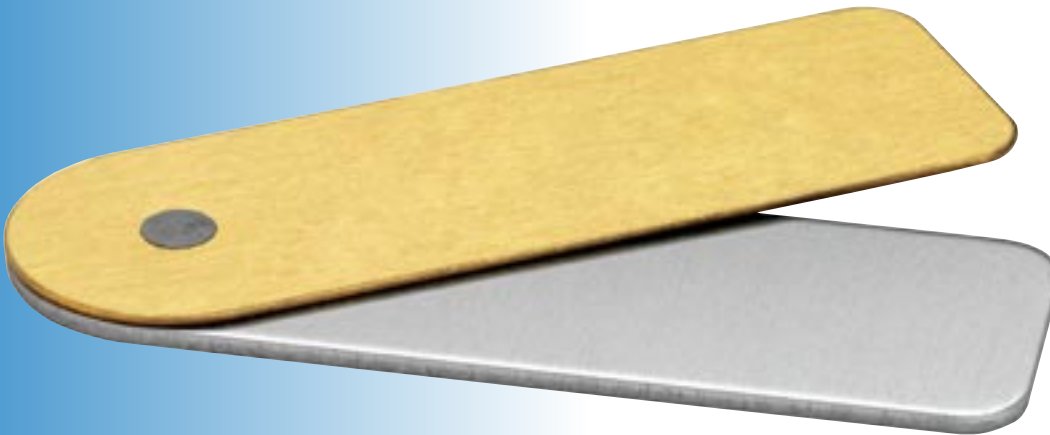
*The data presented here is for general comparison purposes only. Actual performance is dependent upon application variables. We will be happy to provide samples for you to install. If required, we can also test your installed hardware and provide you with the performance data specific to your application.*



**Performance Testing For Type SF Fastener**



| Type and Size | Thickness Code | 5052-H34 Aluminum |      |         |      |                |      | Cold-rolled Steel |      |         |      |                |      |
|---------------|----------------|-------------------|------|---------|------|----------------|------|-------------------|------|---------|------|----------------|------|
|               |                | Installation      |      | Pushout |      | Shear Strength |      | Installation      |      | Pushout |      | Shear Strength |      |
|               |                | kN                | lbs. | N       | lbs. | N              | lbs. | kN                | lbs. | N       | lbs. | N              | lbs. |
| SF-3          | 0.8            | 6                 | 1350 | 200     | 45   | 410            | 92   | 8                 | 1800 | 360     | 80   | 455            | 100  |
| SF-3          | 1.0            | 6.5               | 1475 | 250     | 55   | 590            | 130  | 9                 | 2025 | 525     | 115  | 670            | 150  |
| SF-3          | 1.2            | 7                 | 1575 | 310     | 70   | 730            | 165  | 11                | 2475 | 555     | 125  | 895            | 200  |
| SF-3          | 1.6            | 7.5               | 1700 | 550     | 125  | 960            | 215  | 13                | 2925 | 920     | 205  | 1310           | 295  |
| SF-5          | 0.8            | 8                 | 1800 | 310     | 70   | 730            | 165  | 11                | 2475 | 625     | 140  | 975            | 220  |
| SF-5          | 1.0            | 9.5               | 2150 | 515     | 115  | 1090           | 245  | 12                | 2700 | 800     | 180  | 1465           | 330  |
| SF-5          | 1.2            | 10                | 2250 | 770     | 170  | 1235           | 275  | 18                | 4050 | 1200    | 270  | 1900           | 430  |
| SF-5          | 1.6            | 12.5              | 2825 | 1145    | 255  | 1645           | 370  | 20                | 4500 | 1500    | 335  | 2415           | 545  |



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