



| ASTM A325 |     |         |         |   |               |
|-----------|-----|---------|---------|---|---------------|
| Bolt Size | TPI | Tension |         | Tightening Torque Range (ft lbs)<br>(Min-Max) |               |
|           |     | MIN     | MAX     |   |               |
|           |     |         |         | Galv + Wax                                    | Plain         |
| 1/2"      | 13  | 12,000  | 14,000  | 50 - 58                                       | 100 - 117     |
| 5/8"      | 11  | 19,000  | 23,000  | 99 - 120                                      | 198 - 240     |
| 3/4"      | 10  | 28,000  | 34,000  | 175 - 213                                     | 350 - 425     |
| 7/8"      | 9   | 39,000  | 47,000  | 284 - 343                                     | 569 - 685     |
| 1"        | 8   | 51,000  | 61,000  | 425 - 508                                     | 850 - 1,017   |
| 1 1/8"    | 7   | 56,000  | 67,000  | 525 - 625                                     | 1,050 - 1,256 |
| 1 1/4"    | 7   | 71,000  | 85,000  | 740 - 885                                     | 1,479 - 1,771 |
| 1 3/8"    | 6   | 85,000  | 102,000 | 974 - 1,169                                   | 1,948 - 2,338 |
| 1 1/2"    | 6   | 103,000 | 124,000 | 1,288 - 1,550                                 | 2,575 - 3,100 |

8531 S. Freeway Drive • Macedonia, Ohio 44056  
 (800) 232 - 2659 • Fax: (330) 468-3302  
[www.scfastening.com](http://www.scfastening.com)