



### THREADS AND POINTS FOR Type-F THREAD CUTTING SCREWS

| Nominal Size or Basic Screw Diameter |       | Threads Per Inch | D              |       | P              |      | S                  |      |             |      | L                                  |           |                                 |           | Minimum Torsional Strength, lb.-in. (STEEL SCREWS ONLY) |
|--------------------------------------|-------|------------------|----------------|-------|----------------|------|--------------------|------|-------------|------|------------------------------------|-----------|---------------------------------|-----------|---|
|                                      |       |                  | Major Diameter |       | Point Diameter |      | Point Taper Length |      |             |      | Determinant Length for Point Taper |           | Minimum Practical Screw Lengths |           |   |
|                                      |       |                  |                |       |                |      | Short Screws       |      | Long Screws |      |                                    |           |                                 |           |   |
|                                      |       |                  | Max            | Min   | Max            | Min  | Max                | Min  | Max         | Min  | 90° Heads                          | CSK Heads | 90° Heads                       | CSK Heads |   |
| 2                                    | .0860 | 56               | .0860          | .0813 | .068           | .061 | .062               | .045 | .080        | .062 | 5/32                               | 3/16      | 5/32                            | 3/16      | 5   |
| 4                                    | .1120 | 40               | .1120          | .1061 | .087           | .078 | .088               | .062 | .112        | .088 | 7/32                               | 1/4       | 3/16                            | 1/4       | 13  |
| 6                                    | .1380 | 32               | .1380          | .1312 | .107           | .096 | .109               | .078 | .141        | .109 | 1/4                                | 5/16      | 1/4                             | 5/16      | 23  |
| 8                                    | .1640 | 32               | .1640          | .1571 | .132           | .122 | .109               | .078 | .141        | .109 | 1/4                                | 11/32     | 1/4                             | 5/16      | 42  |
| 10                                   | .1900 | 24               | .1900          | .1818 | .148           | .135 | .146               | .104 | .188        | .146 | 11/32                              | 7/16      | 5/16                            | 13/32     | 56  |
| 10                                   | .1900 | 32               | .1900          | .1831 | .158           | .148 | .109               | .078 | .141        | .109 | 1/4                                | 11/32     | 1/4                             | 5/16      | 74  |
| 12                                   | .2160 | 24               | .2160          | .2078 | .174           | .161 | .146               | .104 | .188        | .146 | 11/32                              | 7/16      | 5/16                            | 13/32     | 93  |
| 1/4                                  | .2500 | 20               | .2500          | .2408 | .200           | .184 | .175               | .125 | .225        | .175 | 13/32                              | 17/32     | 3/8                             | 1/2       | 140   |
| 5/16                                 | .3125 | 18               | .3125          | .3026 | .257           | .239 | .194               | .139 | .250        | .194 | 15/32                              | 19/32     | 7/16                            | 9/16      | 306   |
| 3/8                                  | .3750 | 16               | .3750          | .3643 | .312           | .293 | .219               | .156 | .281        | .219 | 1/2                                | 11/16     | 15/32                           | 5/8       | 560   |