








# Coupling Selection Guide

- 1) Consult factory for applications in shaded areas.
- 2) Torque ratings may vary by coupling series.
- 3) Use the 1.0 service factor column if a service factor was used in the HP/100 RPM calculation.

**Consult Altra Couplings Engineering**

**Not Recommended for these Applications**

| Typical Application Conditions  |   |   |  |  |  |  |
|---|---|---|--|--|--|--|
| SMOOTH MOTOR OR TURBINE DRIVEN<br> | STEADY MOTOR OR TURBINE DRIVEN<br> | MODERATE MOTOR OR TURBINE DRIVEN<br> | MEDIUM MOTOR OR TURBINE DRIVEN<br> | HEAVY-HIGH TQ. MOTOR OR ENGINE DRIVEN<br> | EXTRA HEAVY ENGINE DRIVEN<br> | EXTREMELY HEAVY ENGINE DRIVEN<br> |
| SOFT START WITH STEADY LOAD   | AVERAGE STARTING LOADS AND SLIGHT TORQUE VARIATIONS   | ABOVE AVERAGE STARTING LOADS AND MODERATE LOAD VARIATIONS   | HIGH STARTING TORQUES AND MEDIUM TO HEAVY LOAD VARIATIONS  | MILD SHOCK LOADING ENGINES. DRIVING SMOOTH LOADS. EXTREME RELIABILITY  | HEAVY SHOCK LOADING OR LIGHT REVERSING   | EXTREME SHOCK LOADING. FREQUENT WIDE TORQUE VARIATIONS   |

| Type/Size            | Torque Rating |                        |                       |  | O.D. (in) | Service Factor |       |      |      |      |      | # of Bolts |   |      |     |     |
|----------------------|---------------|------------------------|-----------------------|--|-----------|----------------|-------|------|------|------|------|------------|---|------|-----|-----|
|                      | HP / 100 RPM  | Max Continuous (lb-in) | Peak Overload (lb-in) | Rated HP/100 RPM at Service Factor Shown |           |                |       |      |      |      |      |            |   |      |     |     |
|                      |               |                        |                       | 1.0                                      |           | 1.5            | 2.0   | 2.5  | 3.0  | 3.25 | 4.0  |            |   |      |     |     |
| Form-Flex® A-Series  | 05            | 0.48                   | 300                   | 600                                      | 2.65      | 0.48           | 0.32  | 0.24 | 0.19 |      |      |            | 4 |      |     |     |
|                      | 10            | 1.27                   | 800                   | 1,600                                    | 3.19      | 1.27           | 0.85  | 0.63 | 0.51 |      |      |            |   |      |     |     |
|                      | 15            | 2.50                   | 1,575                 | 3,150                                    | 3.65      | 2.50           | 1.67  | 1.25 | 1.00 |      |      |            |   |      |     |     |
|                      | 20            | 3.49                   | 2,200                 | 4,400                                    | 4.08      | 3.49           | 2.33  | 1.75 | 1.40 |      |      |            |   |      |     |     |
|                      | 25            | 6.03                   | 3,800                 | 7,600                                    | 4.95      | 6.03           | 4.02  | 3.01 | 2.41 |      |      |            |   |      |     |     |
|                      | 30            | 11.00                  | 6,930                 | 13,860                                   | 5.63      | 11.00          | 7.33  | 5.50 | 4.40 |      |      |            |   |      |     |     |
| Form-Flex® G-Series  | 35            | 18.00                  | 11,340                | 22,680                                   | 6.63      | 17.99          | 12.00 | 9.00 | 7.20 |      |      |            | 6 |      |     |     |
|                      | 311           | 17.5                   | 11,000                | 22,000                                   | 5.88      | 17.45          | 11.64 | 8.73 | 6.98 |      |      |            |   | 5.8  | 5.4 |     |
|                      | 321           | 32.5                   | 20,500                | 41,000                                   | 6.38      | 32.53          | 21.68 | 16.3 | 13.0 |      |      |            |   | 10.8 | 10  |     |
|                      | 332           | 50.8                   | 32,000                | 64,000                                   | 7.20      | 50.8           | 33.8  | 25   | 20   |      |      |            |   | 17   | 16  |     |
|                      | 346           | 73.0                   | 46,000                | 92,000                                   | 8.20      | 73.0           | 48.7  | 36   | 29   |      |      |            |   | 24   | 22  |     |
|                      | 380           | 127                    | 80,000                | 160,000                                  | 9.36      | 127            | 85    | 63   | 51   |      |      |            |   | 42   | 39  |     |
|                      | 340           | 63.5                   | 40,000                | 80,000                                   | 8.38      | 63.5           | 42.3  | 32   | 25   |      |      |            |   | 21   | 20  | 16  |
|                      | 412           | 190                    | 120,000               | 240,000                                  | 11.00     | 190            | 127   | 95   | 76   |      |      |            |   | 63   | 59  | 48  |
|                      | 419           | 301                    | 190,000               | 380,000                                  | 12.50     | 301            | 201   | 151  | 121  |      |      |            |   | 100  | 93  | 75  |
|                      | 424           | 476                    | 300,000               | 600,000                                  | 15.00     | 476            | 317   | 238  | 190  |      |      |            |   | 159  | 146 | 119 |
|                      | 444           | 690                    | 435,000               | 870,000                                  | 16.38     | 690            | 460   | 345  | 276  |      |      |            |   | 230  | 212 | 173 |
|                      | 456           | 889                    | 560,000               | 1,120,000                                | 18.00     | 889            | 592   | 444  | 355  |      |      |            |   | 296  | 273 | 222 |
|                      | 483           | 1317                   | 830,000               | 1,660,000                                | 19.44     | 1317           | 878   | 658  | 527  |      |      |            |   | 439  | 405 | 329 |
|                      | 511           | 1745                   | 1,100,000             | 2,200,000                                | 22.00     | 1745           | 1164  | 873  | 698  |      |      |            |   | 582  | 537 | 436 |
| 520                  | 3173          | 2,000,000              | 4,000,000             | 24.88                                    | 3173      | 2116           | 1587  | 1269 | 1058 | 976  | 793  |            |   |      |     |     |
| 525                  | 3967          | 2,500,000              | 5,000,000             | 26.75                                    | 3967      | 2644           | 1983  | 1587 | 1322 | 1221 | 992  |            |   |      |     |     |
| 530                  | 4760          | 3,000,000              | 6,000,000             | 28.00                                    | 4760      | 3173           | 2380  | 1904 | 1587 | 1465 | 1190 |            |   |      |     |     |
| 540                  | 6347          | 4,000,000              | 8,000,000             | 33.50                                    | 6347      | 4231           | 3173  | 2539 | 2116 | 1953 | 1587 |            |   |      |     |     |
| Torsiflex-i TFI      | 17            | 2.4                    | 1,504                 | 2,632                                    | 2.87      | 2.39           | 1.59  | 1.19 | 0.95 | 0.80 | 0.73 |            |   |      | 6   |     |
|                      | 27            | 3.8                    | 2,390                 | 4,183                                    | 3.35      | 3.79           | 2.53  | 1.90 | 1.52 | 1.26 | 1.17 |            |   |      |     |     |
|                      | 38            | 5.3                    | 3,363                 | 5,885                                    | 4.21      | 5.34           | 3.56  | 2.67 | 2.13 | 1.78 | 1.64 |            |   |      |     |     |
|                      | 140           | 19.7                   | 12,391                | 21,684                                   | 5.00      | 19.66          | 13.1  | 9.83 | 7.86 | 6.6  | 6.0  |            |   |      |     |     |
|                      | 260           | 36.5                   | 23,031                | 40,304                                   | 6.06      | 36.54          | 24    | 18.3 | 14.6 | 12   | 11   |            |   |      |     |     |
|                      | 400           | 56.2                   | 35,404                | 61,957                                   | 6.93      | 56.2           | 37    | 28   | 22   | 19   | 17   |            |   |      |     |     |
|                      | 750           | 105                    | 66,383                | 116,170                                  | 7.99      | 105            | 70    | 53   | 42   | 35   | 32   |            |   |      |     |     |
|                      | 1310          | 184                    | 115,948               | 202,909                                  | 9.49      | 184            | 123   | 92   | 74   | 61   | 57   |            |   |      |     |     |
|                      | 1900          | 267                    | 168,169               | 294,296                                  | 10.98     | 267            | 178   | 133  | 107  | 89   | 82   |            |   |      |     |     |
|                      | 2500          | 351                    | 221,275               | 387,231                                  | 11.65     | 351            | 234   | 176  | 140  | 117  | 108  |            |   |      |     |     |
|                      | 3300          | 463                    | 292,083               | 511,145                                  | 12.84     | 463            | 309   | 232  | 185  | 154  | 143  |            |   |      |     |     |
|                      | 6000          | 843                    | 531,060               | 929,355                                  | 15.55     | 843            | 562   | 421  | 337  | 281  | 259  |            |   |      |     |     |
|                      | 8500          | 1194                   | 752,335               | 1,316,586                                | 17.44     | 1194           | 796   | 597  | 477  | 398  | 367  |            |   |      |     |     |
| 12000                | 1685          | 1,062,120              | 1,858,710             | 19.45                                    | 1685      | 1123           | 843   | 674  | 562  | 519  |      |            |   |      |     |     |
| Form-Flex® (HSH/FSH) | 22            | 15.1                   | 9,500                 | 14,250                                   | 6.00      | 15.07          | 10.05 | 7.54 | 6.03 | 5.02 | 4.64 | 3.8        |   |      |     | 8   |
|                      | 26            | 25.4                   | 16,000                | 24,000                                   | 6.87      | 25.39          | 16.9  | 12.7 | 10.2 | 8.5  | 7.8  | 6          |   |      |     |     |
|                      | 31            | 38.1                   | 24,000                | 36,000                                   | 8.12      | 38.08          | 25    | 19.0 | 15.2 | 13   | 12   | 10         |   |      |     |     |
|                      | 35            | 69.8                   | 44,000                | 66,000                                   | 9.12      | 69.8           | 47    | 35   | 28   | 23   | 21   | 17         |   |      |     |     |
|                      | 37            | 95.2                   | 60,000                | 90,000                                   | 10.06     | 95.2           | 63    | 48   | 38   | 32   | 29   | 24         |   |      |     |     |
|                      | 42            | 116                    | 73,000                | 109,500                                  | 11.00     | 116            | 77    | 58   | 46   | 39   | 36   | 29         |   |      |     |     |
|                      | 45            | 157                    | 99,000                | 148,500                                  | 11.44     | 157            | 105   | 79   | 63   | 52   | 48   | 39         |   |      |     |     |
|                      | 50            | 203                    | 128,000               | 192,000                                  | 13.00     | 203            | 135   | 102  | 81   | 68   | 62   | 51         |   |      |     |     |
|                      | 55            | 300                    | 189,000               | 283,500                                  | 15.00     | 300            | 200   | 150  | 120  | 100  | 92   | 75         |   |      |     |     |
|                      | 60            | 414                    | 261,000               | 391,500                                  | 16.00     | 414            | 276   | 207  | 166  | 138  | 127  | 104        |   |      |     |     |
|                      | 70            | 658                    | 415,000               | 622,500                                  | 18.50     | 658            | 439   | 329  | 263  | 219  | 203  | 165        |   |      |     |     |
|                      | 75            | 846                    | 533,000               | 799,500                                  | 20.00     | 846            | 564   | 423  | 338  | 282  | 260  | 211        |   |      |     |     |
|                      | 80            | 1087                   | 685,000               | 1,027,500                                | 22.00     | 1087           | 725   | 543  | 435  | 362  | 334  | 272        |   |      |     |     |
|                      | 85            | 1315                   | 829,000               | 1,243,500                                | 23.75     | 1315           | 877   | 658  | 526  | 438  | 405  | 329        |   |      |     |     |
|                      | 92            | 1650                   | 1,040,000             | 1,560,000                                | 25.75     | 1650           | 1100  | 825  | 660  | 550  | 508  | 413        |   |      |     |     |
| 92HT                 | 2221          | 1,400,000              | 2,100,000             | 25.75                                    | 2221      | 1481           | 1111  | 889  | 740  | 683  | 555  |            |   |      |     |     |