

























# Reference Guide

| Diametrical Pitch  | Pitch Diameter  | Face Width   | Gear Catalog Reference Pages |                                |                                      |
|--|---|--|------------------------------|--------------------------------|--------------------------------------|
|  |   |  | Selection Procedure          | Horsepower and Torque Ratings  | Catalog Number Selection             |
| 48DP – 16DP<br>64DP – 24DP<br>32DP – 24DP<br>48DP – 24DP | .208" – 5.000"<br>.250" – 6.000"<br>.500" – 6.000"<br>.375" – 2.500"  | .062" – .313"<br>.125" – .250"<br>.187" – .250"<br>.125" – .250"   | 37<br>37<br>37<br>37         | 38 – 40<br>–<br>38<br>–        | 6 – 9<br>25 – 30<br>7 – 8<br>25 – 30 |
| 16DP – 8DP<br>20DP – 3DP<br>20DP – 5DP                   | 1.000" – 3.500"<br>.750" – 36.000"<br>.600" – 36.000"                 | .500" – 1.250"<br>.500" – 3.000"<br>.500" – 2.500"                 | 37<br>37<br>37               | 40 – 43<br>39 – 45<br>46 – 50  | 10 – 12<br>8 – 15<br>30 – 34         |
| 20DP – 8DP   | 1.000" – 12.500"  | .375" – 1.250"   | 37                           | 39 – 43                        | 16 – 20                              |
| 20DP – 6DP   | .287" – 1.750"  | 1.125" – 3.000"  | 37                           | 39 – 44                        | 21                                   |
| 48DP – 24DP<br>48DP – 24DP                               | .125" – .667"<br>.125" – .667"  | 48" Lengths<br>48" Lengths   | 37<br>37                     | 38<br>38                       | 22<br>22                             |
| 48DP – 24DP<br>48DP – 3DP<br>20DP – 4DP                  | .104" – .208"<br>.104" – 1.167"<br>.450" – 1.750"                     | .125" – .250"<br>.125" – 3.000"<br>.500" – 3.500"                  | 37<br>37<br>37               | 38<br>38 – 45<br>46 – 50       | 23<br>23<br>35                       |
| 48DP – 16DP<br>64DP – 24DP                               | 1.000" – 6.000"<br>1.000" – 6.000"                                    | .125" – .312"<br>.125" – .250"                                     | 37<br>37                     | 38<br>–                        | 24<br>36                             |
| 24TDP – 6TDP<br>8TDP – 6TDP                              | .333" – 6.000"<br>1.000" – 6.000"                                     | .250" – 1.250"<br>.750" – 1.250"                                   | 54<br>54                     | 55 – 56<br>56                  | 52 – 53<br>53                        |
| 48DP – 16DP<br>48DP – 24DP<br>48DP – 4DP<br>8DP – 4DP    | .312" – 2.000"<br>.312" – 1.500"<br>.375" – 7.000"<br>3.500" – 8.000" | .070" – .390"<br>.080" – .230"<br>.080" – 1.430"<br>.750" – 1.333" | 67<br>67<br>67<br>67         | 68<br>68<br>68 – 69<br>68 – 69 | 58 – 59<br>58<br>58 – 60<br>60       |
| 18DP – 5DP   | 1.000" – 5.000"   | .220" – 1.150"   | 67                           | 71                             | 61                                   |
| 48DP – 24DP<br>20DP – 6DP<br>16DP – 4DP                  | .250" – 2.000"<br>.500" – 6.000"<br>1.000" – 9.000"                   | .090" – .260"<br>.180" – 1.070"<br>.420" – 1.400"                  | 67<br>67<br>67               | 70<br>70<br>70                 | 62<br>62 – 65<br>63 – 65             |
| 30DP – 8DP   | .430" – 4.250"  | .140" – .710"  | 67                           | 71                             | 66                                   |
| 48DP – 32DP<br>24DP<br>48DP – 24DP                       | <b>Worm</b> .333"<br>to 1.500"<br><b>Gear</b> .417"<br>to 4.167"      | <b>Worm</b> .562"<br>to .812"<br><b>Gear</b> .156"<br>to .219"     | 84                           | –                              | 74 – 76                              |
| 48DP – 4DP   | .333"<br>to 3.000"<br>.417"<br>to 6.000"                              | .562"<br>to 5.250"<br>.156"<br>to 1.500"                           | 84                           | 85 – 86                        | 74 – 82                              |
| 16DP – 3DP   | .625"<br>to 4.000"<br>1.250"<br>to 18.000"                            | 1.000"<br>to 5.250"<br>.312"<br>to 2.000"                          | 84                           | 85 – 86                        | 77 – 83                              |

## Tooth Gauge

| 20° P.A.  | 14 1/2° P.A.  |
|---|---|
| <br>64 D.P.  |   |
| <br>48 D.P.  | <br>48 D.P.  |
| <br>32 D.P.  | <br>32 D.P.  |
| <br>24 D.P.  | <br>24 D.P.  |
| <br>20 D.P.  | <br>20 D.P.  |
| <br>16 D.P.  | <br>16 D.P.  |
| <br>12 D.P.  | <br>12 D.P.  |
| <br>10 D.P.  | <br>10 D.P.  |
| <br>8 D.P.  | <br>8 D.P.  |
| <br>6 D.P. | <br>6 D.P. |
| <br>5 D.P. | <br>5 D.P. |
| <br>4 D.P. | <br>4 D.P. |
| Tooth Gauge Chart is for Reference Purposes Only.   | <br>3 D.P. |