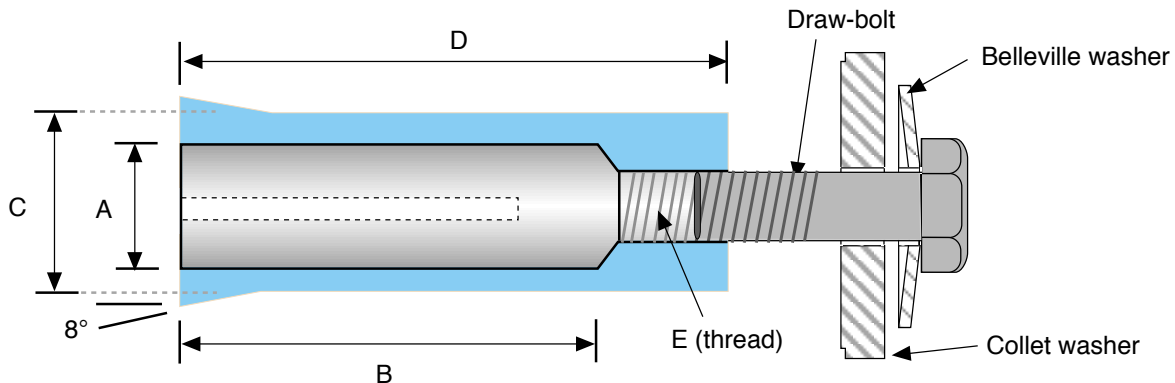


# Collet Bushings



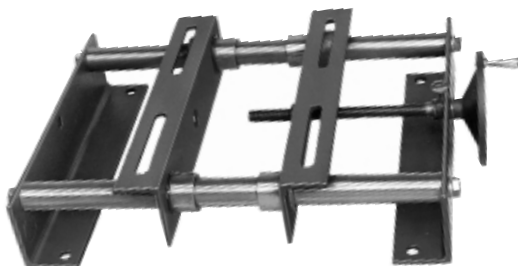
## Collet Bushings

All dimensions are in inches

| Collet No. | Standard Bore Sizes (Inches)      | B     | C     | D     | E         |
|------------|-----------------------------------|-------|-------|-------|-----------|
| 7707       | .5, .625, .75, .875               | 2.5   | 1     | 3.25  | .325 – 16 |
| 508        | .625, .75, .875, 1, 1.125         | 3     | 1.25  | 3.75  | .325 – 16 |
| 510        | .75, .875, 1, 1.125, 1.25, 1.375  | 3.625 | 1.5   | 4.625 | .5 – 13   |
| 512        | 1, 1.125, 1.25, 1.375, 1.5, 1.625 | 4     | 1.75  | 5     | .5 – 13   |
| 7713       | 1.375, 1.5, 1.625, 1.875          | 4.875 | 2.125 | 6.125 | .625 – 11 |

## Motor Bases continued on next page

**Hi-Lo Motor Bases** for *Adjustable Center Distance Drives* have been designed to accommodate NEMA motor frame sizes 48 through 286T, with rigid steel construction, and lube free bushings in the motor mount plates for easy adjustment and greater wearability on the 214, 254 & 284 models.

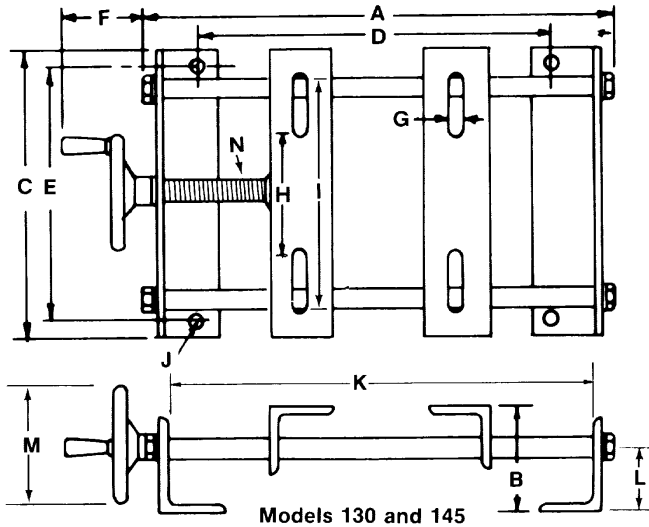


## Motor Base Selection

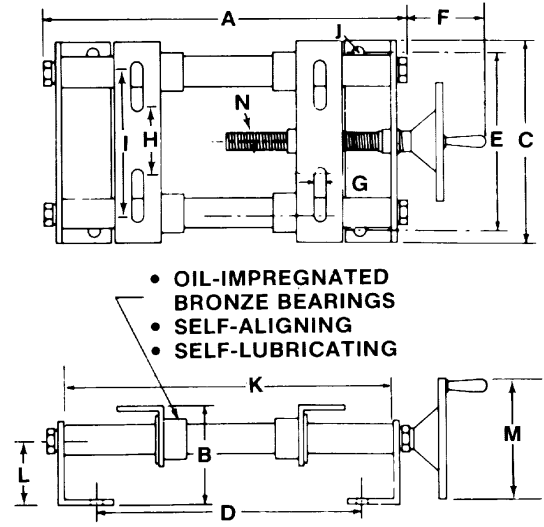
| NEMA Motor Frame No. | Motor H.P. at 1800 RPM | Hi-Lo Motor Base Number |     |     |     |     |
|----------------------|------------------------|-------------------------|-----|-----|-----|-----|
|                      |                        | 130                     | 145 | 213 | 254 | 284 |
| 48                   |                        | •                       |     |     |     |     |
| 56                   | .25 thru .75           | •                       | •   |     |     |     |
| 182                  | 1                      |                         | •   |     |     |     |
| 143T                 | 1                      | •                       | •   |     |     |     |
| 184                  | 1.5 & 2                |                         | •   | •   |     |     |
| 145T                 | 1.5 & 2                |                         | •   |     |     |     |
| 213                  | 3                      |                         |     | •   |     |     |
| 182T                 | 3                      |                         | •   | •   |     |     |
| 215                  | 5                      |                         |     | •   | •   |     |
| 184T                 | 5                      |                         |     | •   | •   |     |
| 254U                 | 7.5                    |                         |     |     | •   |     |
| 213T                 | 7.5                    |                         |     |     | •   |     |
| 256U                 | 10                     |                         |     |     |     |     |
| 215T                 | 10                     |                         |     |     | •   |     |
| 284U                 | 15                     |                         |     |     |     |     |
| 254T                 | 15                     |                         |     |     | •   |     |
| 256T                 | 20                     |                         |     |     |     | •   |
| 284T                 | 25                     |                         |     |     |     | •   |
| 286T                 | 30                     |                         |     |     |     | •   |

**Models 130 and 145**

This motor base is designed of steel parts in place of castings to be compact, lighter in weight, greater in strength and rigidly, and lower in cost. Can be mounted in any position.


**Models 130 and 145**
**Models 213, 254, and 284**

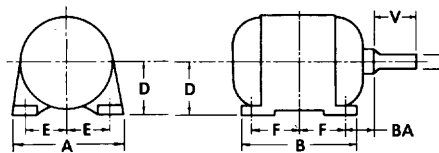
Models #213 and #254 are designed with oversize slide rod rails and oil-impregnated bronze bearings for large bearing area and lubricated sliding surfaces. The bearings are self-aligning for ease of operation.


**Models 213, 254 and 284**

| MOTOR<br>BASE No. | Dimensions                      |                                 |                               |                                |                                |                                 |                                |                               |                                |                                |    |                                 |   |                    |
|-------------------|---------------------------------|---------------------------------|-------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------------|--------------------------------|--------------------------------|----|---------------------------------|---|--------------------|
|                   | A                               | B                               | C                             | D                              | E                              | F                               | G                              | H                             | I                              | J                              | K  | L                               | M | N                  |
| 130               | 11                              | 2 <sup>7</sup> / <sub>8</sub>   | 6                             | 7 <sup>1</sup> / <sub>4</sub>  | 5                              | 2 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>8</sub> | 4 <sup>7</sup> / <sub>8</sub>  | 7 <sup>1</sup> / <sub>16</sub> | 10 | 2                               | 3 | 5 <sup>8</sup> -11 |
| 145               | 16 <sup>1</sup> / <sub>8</sub>  | 3 <sup>7</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>2</sub> | 12 <sup>1</sup> / <sub>4</sub> | 8 <sup>1</sup> / <sub>2</sub>  | 2 <sup>5</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>32</sub> | 2 <sup>7</sup> / <sub>8</sub> | 7 <sup>7</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>64</sub> | 15 | 2 <sup>1</sup> / <sub>2</sub>   | 4 | 5 <sup>8</sup> -11 |
| 213               | 16 <sup>1</sup> / <sub>4</sub>  | 3 <sup>13</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>2</sub> | 12 <sup>1</sup> / <sub>4</sub> | 8 <sup>1</sup> / <sub>2</sub>  | 2 <sup>13</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>32</sub> | 2 <sup>7</sup> / <sub>8</sub> | 7 <sup>7</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>64</sub> | 15 | 2 <sup>7</sup> / <sub>16</sub>  | 4 | 5 <sup>8</sup> -11 |
| 254               | 19 <sup>5</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>16</sub>  | 11                            | 15 <sup>1</sup> / <sub>4</sub> | 10                             | 2 <sup>13</sup> / <sub>16</sub> | 1 <sup>7</sup> / <sub>32</sub> | 5 <sup>1</sup> / <sub>2</sub> | 8 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>64</sub> | 18 | 2 <sup>13</sup> / <sub>16</sub> | 5 | 5 <sup>8</sup> -11 |
| 284               | 21 <sup>7</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   | 15                            | 16 <sup>7</sup> / <sub>8</sub> | 13 <sup>3</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>16</sub> | 8                             | 13                             | 1 <sup>1</sup> / <sub>16</sub> | 20 | 3 <sup>1</sup> / <sub>8</sub>   | 5 | 3 <sup>4</sup> -16 |

**NEMA Foot-Mounted Motor**

All dimensions are in inches



| Frame<br>No. | A<br>Max.                      | B<br>Min.                       | Dimensions                    |                                |                               |                               |                               | V<br>Min.                     | Key<br>Width | Thick-<br>ness | Length                        |
|--------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------|----------------|-------------------------------|
|              |                                |                                 | D                             | E                              | F                             | BA                            | U                             |                               |              |                |                               |
| 48           |                                |                                 | 3                             | 2 <sup>1</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>2</sub> | 1/2                           |                               |              |                |                               |
| 56           |                                |                                 | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>7</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>4</sub> | 5/8                           |                               |              |                |                               |
| 143T         | 7                              | 4 <sup>13</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>4</sub>  | 2                             | 2 <sup>1</sup> / <sub>4</sub> | 7/8                           | 2 <sup>1</sup> / <sub>4</sub> | 3/16         | 3/16           | 1 <sup>3</sup> / <sub>8</sub> |
| 145T         | 7                              | 5 <sup>13</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>4</sub>  | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>1</sup> / <sub>4</sub> | 7/8                           | 2 <sup>1</sup> / <sub>4</sub> | 3/16         | 3/16           | 1 <sup>3</sup> / <sub>8</sub> |
| 182          | 9                              | 6 <sup>1</sup> / <sub>2</sub>   | 4 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>4</sub> | 7/8                           | 2                             | 3/16         | 3/16           | 1 <sup>3</sup> / <sub>8</sub> |
| 182T         | 9                              | 6                               | 4 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>4</sub> | 1/4          | 1/4            | 1 <sup>3</sup> / <sub>4</sub> |
| 184          | 9                              | 7 <sup>1</sup> / <sub>2</sub>   | 4 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 2 <sup>3</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>4</sub> | 7/8                           | 2                             | 3/16         | 3/16           | 1 <sup>3</sup> / <sub>8</sub> |
| 184T         | 9                              | 6 <sup>3</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 2 <sup>3</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>4</sub> | 1/4          | 1/4            | 1 <sup>3</sup> / <sub>4</sub> |
| 213          | 10 <sup>1</sup> / <sub>2</sub> | 7 <sup>1</sup> / <sub>2</sub>   | 5 <sup>1</sup> / <sub>4</sub> | 4 <sup>1</sup> / <sub>4</sub>  | 2 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>4</sub> | 1/4          | 1/4            | 2                             |
| 213T         | 10 <sup>1</sup> / <sub>4</sub> | 7                               | 5 <sup>1</sup> / <sub>4</sub> | 4 <sup>1</sup> / <sub>4</sub>  | 2 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub> | 5/16         | 5/16           | 2 <sup>3</sup> / <sub>8</sub> |
| 215          | 10 <sup>1</sup> / <sub>2</sub> | 9                               | 5 <sup>1</sup> / <sub>4</sub> | 4 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>2</sub> | 3 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>4</sub> | 1/4          | 1/4            | 2                             |
| 215T         | 10 <sup>1</sup> / <sub>4</sub> | 8 <sup>1</sup> / <sub>2</sub>   | 5 <sup>1</sup> / <sub>4</sub> | 4 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>2</sub> | 3 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub> | 5/16         | 5/16           | 2 <sup>3</sup> / <sub>8</sub> |
| 254U         | 12 <sup>1</sup> / <sub>2</sub> | 10 <sup>3</sup> / <sub>4</sub>  | 6 <sup>1</sup> / <sub>4</sub> | 5                              | 4 <sup>1</sup> / <sub>8</sub> | 4 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5/16         | 5/16           | 2 <sup>3</sup> / <sub>4</sub> |
| 254T         | 12 <sup>1</sup> / <sub>4</sub> | 9 <sup>3</sup> / <sub>4</sub>   | 6 <sup>1</sup> / <sub>4</sub> | 5                              | 4 <sup>1</sup> / <sub>8</sub> | 4 <sup>1</sup> / <sub>4</sub> | 1 <sup>5</sup> / <sub>8</sub> | 4                             | 3/8          | 3/8            | 2 <sup>7</sup> / <sub>8</sub> |
| 256U         | 12 <sup>1</sup> / <sub>2</sub> | 12 <sup>1</sup> / <sub>2</sub>  | 6 <sup>1</sup> / <sub>4</sub> | 5                              | 5                             | 4 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5/16         | 5/16           | 2 <sup>3</sup> / <sub>4</sub> |
| 256T         | 12 <sup>1</sup> / <sub>4</sub> | 11 <sup>1</sup> / <sub>2</sub>  | 6 <sup>1</sup> / <sub>4</sub> | 5                              | 5                             | 4 <sup>1</sup> / <sub>4</sub> | 1 <sup>5</sup> / <sub>8</sub> | 4                             | 3/8          | 3/8            | 2 <sup>7</sup> / <sub>8</sub> |
| 284U         | 14                             | 12 <sup>1</sup> / <sub>2</sub>  | 7                             | 5 <sup>1</sup> / <sub>2</sub>  | 4 <sup>3</sup> / <sub>4</sub> | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>5</sup> / <sub>8</sub> | 4 <sup>5</sup> / <sub>8</sub> | 3/8          | 3/8            | 3 <sup>3</sup> / <sub>4</sub> |
| 284T         | 13 <sup>1</sup> / <sub>2</sub> | 11 <sup>1</sup> / <sub>4</sub>  | 7                             | 5 <sup>1</sup> / <sub>2</sub>  | 4 <sup>3</sup> / <sub>4</sub> | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>7</sup> / <sub>8</sub> | 4 <sup>5</sup> / <sub>8</sub> | 1/2          | 1/2            | 3 <sup>1</sup> / <sub>4</sub> |
| 286U         | 14                             | 14                              | 7                             | 5 <sup>1</sup> / <sub>2</sub>  | 5 <sup>1</sup> / <sub>2</sub> | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>5</sup> / <sub>8</sub> | 4 <sup>5</sup> / <sub>8</sub> | 3/8          | 3/8            | 3 <sup>3</sup> / <sub>4</sub> |
| 286T         | 13 <sup>1</sup> / <sub>2</sub> | 12 <sup>3</sup> / <sub>4</sub>  | 7                             | 5 <sup>1</sup> / <sub>2</sub>  | 5 <sup>1</sup> / <sub>2</sub> | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>7</sup> / <sub>8</sub> | 4 <sup>5</sup> / <sub>8</sub> | 1/2          | 1/2            | 3 <sup>1</sup> / <sub>4</sub> |