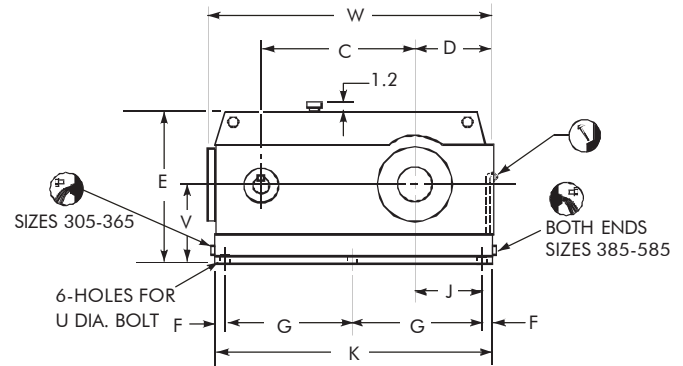
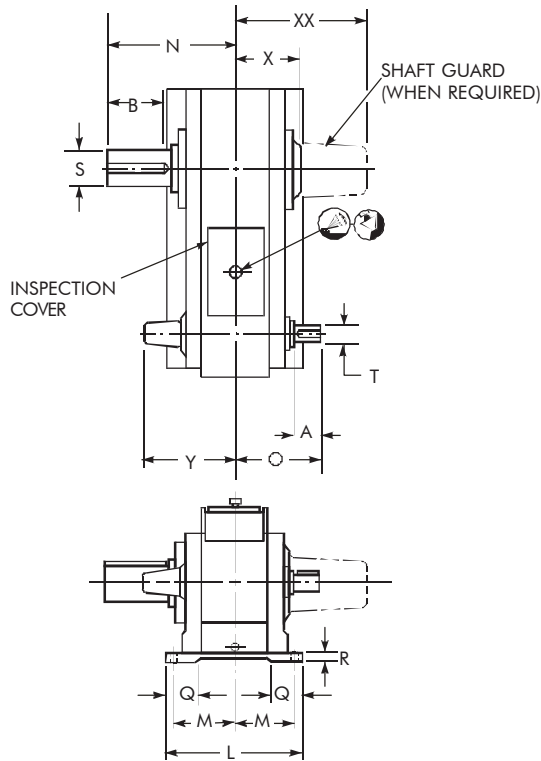


# Type A Double Reduction

## Sizes 305-585/Dimensions — Inches



| DRIVE<br>SIZE<br>★ | A     | B     | C      | D     | E     | F      | G       | J     | K     | L     | M     | N     | O     | Q     | R    | Low Speed Shaft * |                        |
|--------------------|-------|-------|--------|-------|-------|--------|---------|-------|-------|-------|-------|-------|-------|-------|------|-------------------|------------------------|
|                    |       |       |        |       |       |        |         |       |       |       |       |       |       |       |      | S                 | Key                    |
| 305                | 2.25  | 4.00  | 12.187 | 8.50  | 15.75 | 2.50   | 9.25    | 6.00  | 23.50 | 11.50 | 4.88  | 11.00 | 9.12  | 2.75  | .62  | 2.750             | .625 x .625 x 4.000    |
| 325                | 2.63  | 4.81  | 14.125 | 9.50  | 17.75 | 2.50   | 10.88   | 7.00  | 26.76 | 12.25 | 5.25  | 12.00 | 9.88  | 3.12  | .63  | 3.000             | .750 x .750 x 4.500    |
| 345                | 3.06  | 5.37  | 16.000 | 10.62 | 20.12 | 3.00   | 12.13   | 7.62  | 30.26 | 14.00 | 5.88  | 13.50 | 10.87 | 3.00  | .75  | 3.500             | .875 x .875 x 5.000    |
| 365                | 3.38  | 6.44  | 18.500 | 12.13 | 22.50 | 3.00   | 14.50   | 9.13  | 35.00 | 15.50 | 6.63  | 15.13 | 12.12 | 3.75  | .75  | 4.000             | 1.000 x 1.000 x 6.000  |
| 385                | 4.50  | 7.88  | 15.800 | 10.24 | 18.96 | 1.80   | 16.50   | 8.44  | 36.60 | 21.00 | 9.10  | 17.80 | 14.10 | 5.00  | .94  | 4.500             | 1.000 x 1.000 x 6.500  |
| 405                | 5.00  | 8.66  | 17.700 | 11.20 | 21.32 | 2.00   | 18.40   | 9.20  | 40.80 | 22.80 | 10.00 | 19.40 | 15.20 | 5.50  | 1.06 | 5.000             | 1.250 x 1.250 x 7.500  |
| 425                | 6.00  | 10.06 | 20.200 | 12.74 | 24.00 | 2.75   | 20.00   | 10.00 | 45.50 | 24.80 | 11.00 | 21.60 | 17.20 | 6.00  | 1.06 | 5.750             | 1.500 x 1.500 x 8.000  |
| 445                | 7.00  | 11.38 | 23.300 | 14.50 | 27.70 | 2.50   | 23.25   | 12.00 | 51.50 | 27.40 | 12.20 | 23.90 | 19.30 | 7.00  | 1.20 | 6.500             | 1.500 x 1.500 x 10.000 |
| 465                | 8.00  | 12.68 | 26.500 | 16.50 | 31.00 | 2.50   | 26.50   | 14.00 | 58.00 | 29.00 | 13.00 | 26.60 | 21.20 | 7.00  | 1.26 | 7.250             | 1.750 x 1.500 x 11.000 |
| 485                | 9.00  | 14.88 | 30.000 | 19.00 | 35.00 | 3.50 † | 30.00 † | 15.00 | 58.50 | 33.00 | 14.40 | 30.70 | 23.00 | 8.00  | 1.50 | 8.500             | 2.000 x 1.500 x 13.000 |
| 505                | 10.00 | 16.18 | 33.500 | 20.50 | 38.00 | 2.50   | 34.50 † | 17.50 | 65.00 | 37.00 | 16.00 | 33.60 | 25.60 | 8.80  | 1.75 | 9.250             | 2.500 x 1.750 x 14.000 |
| 525                | 11.00 | 18.38 | 37.000 | 22.50 | 41.00 | 3.00   | 35.50 † | 19.50 | 71.00 | 39.00 | 17.00 | 37.20 | 27.40 | 9.00  | 2.10 | 10.500            | 2.500 x 1.750 x 16.000 |
| 545                | 12.00 | 20.12 | 41.000 | 24.50 | 45.00 | 3.00   | 36.75   | 21.50 | 79.50 | 44.00 | 19.50 | 41.90 | 32.60 | 9.15  | 2.10 | 11.500            | 3.000 x 2.000 x 17.000 |
| 565                | 13.00 | 21.44 | 44.500 | 25.50 | 48.00 | 3.00   | 39.50   | 22.50 | 85.00 | 52.00 | 23.20 | 45.40 | 35.70 | 11.50 | 2.35 | 12.250            | 3.000 x 2.000 x 19.000 |
| 585                | 13.00 | 22.76 | 49.000 | 29.00 | 54.60 | 3.00   | 44.50   | 26.00 | 95.00 | 56.40 | 25.40 | 49.80 | 38.60 | 11.50 | 2.35 | 13.000            | 3.000 x 2.000 x 21.000 |

| DRIVE<br>SIZE<br>★ | Wt.-lb | High Speed Shaft * |                        | U †   | V     | W     | X     | XX †  | Y     |
|--------------------|--------|--------------------|------------------------|-------|-------|-------|-------|-------|-------|
|                    |        | T                  | Key                    |       |       |       |       |       |       |
| 305                | 450    | 1.250              | .250 x .250 x 2.500    | .750  | 8.00  | 24.00 | 6.12  | 12.31 | 9.90  |
| 325                | 580    | 1.500              | .375 x .375 x 2.750    | .750  | 9.00  | 27.13 | 6.75  | 14.17 | 10.28 |
| 345                | 810    | 1.750              | .375 x .375 x 3.000    | 1.000 | 10.25 | 30.62 | 7.37  | 14.62 | 11.75 |
| 365                | 1090   | 2.000              | .500 x .500 x 3.500    | 1.000 | 11.50 | 35.37 | 8.13  | 15.75 | 12.50 |
| 385                | 1510   | 2.250              | .500 x .500 x 4.000    | 1.125 | 9.80  | 37.52 | 8.60  | 19.75 | 15.31 |
| 405                | 1850   | 2.500              | .625 x .625 x 4.000    | 1.125 | 11.12 | 41.20 | 9.32  | 20.34 | 16.00 |
| 425                | 2660   | 3.000              | .750 x .750 x 5.000    | 1.250 | 12.50 | 46.70 | 10.54 | 22.54 | 17.98 |
| 445                | 4030   | 3.500              | .875 x .875 x 6.000    | 1.500 | 14.50 | 53.00 | 11.38 | 24.78 | 20.14 |
| 465                | 5100   | 4.000              | 1.000 x 1.000 x 7.000  | 1.500 | 16.00 | 59.50 | 12.24 | 27.64 | 22.02 |
| 485                | 6300   | 4.500              | 1.000 x 1.000 x 8.000  | 2.000 | 18.00 | 61.12 | 14.36 | 31.24 | 23.90 |
| 505                | 9450   | 5.000              | 1.250 x 1.250 x 9.000  | 2.250 | 19.75 | 67.62 | 15.90 | 34.46 | 26.40 |
| 525                | 12140  | 5.500              | 1.250 x 1.250 x 10.000 | 2.250 | 21.10 | 73.38 | 17.56 | 38.12 | 28.84 |
| 545                | 17800  | 6.000              | 1.500 x 1.500 x 11.000 | 2.250 | 23.00 | 81.88 | 20.10 | 43.00 | 33.64 |
| 565                | 22800  | 6.500              | 1.500 x 1.500 x 12.000 | 2.500 | 25.00 | 87.38 | 22.25 | 46.00 | 36.73 |
| 585                | 31300  | 6.500              | 1.500 x 1.500 x 12.000 | 2.500 | 28.00 | 97.38 | 25.15 | 50.90 | 39.44 |

★ Drawings are representative of this series of drives and do not agree in exact detail for all sizes. Gear drives are for horizontal floor mounted operation unless specifically stated otherwise. Consult Factory for other mountings. Dimensions are for reference only and subject to change without notice unless certified.

† Size 485: high speed end of drive Dimension G = 22.50", F = 2.50". Size 505: high speed end of drive Dimension G = 25.50". Size 525: high speed end of drive Dimension G = 29.50".

◆ Use Grade 5 fasteners for diameters through 1.50". For larger diameter fasteners, use ASTM A-354 Grade BC.

● Single low speed shaft extension is standard; double extension, as indicated with dimension XX, is an extra charge option.

\* Shaft diameters under 3" are held to limits of +.0000", -.0005". Shaft diameters 3" and over are held to limits of +.000", -.001". Shaft keyseat depth is one-half of key height.