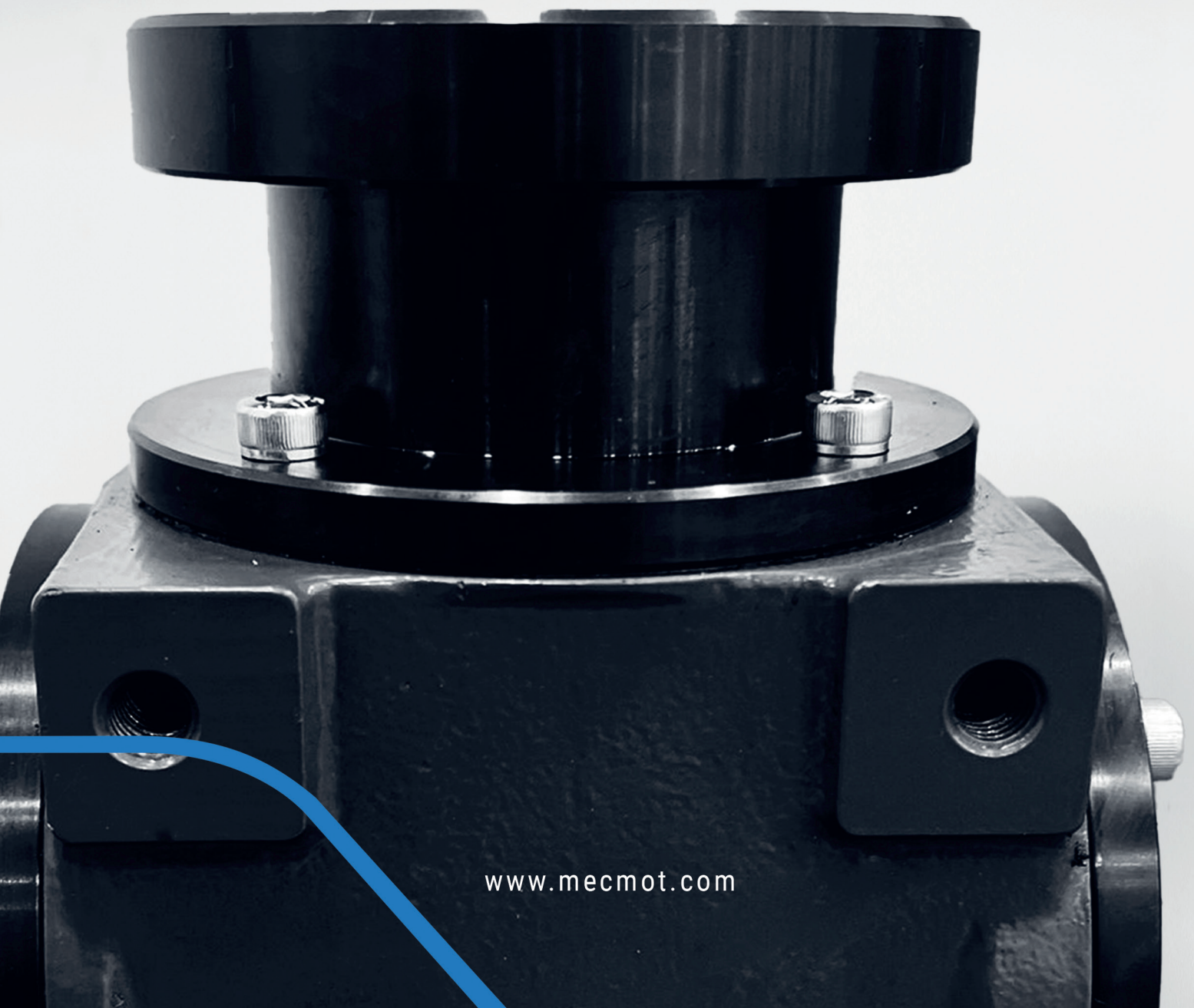
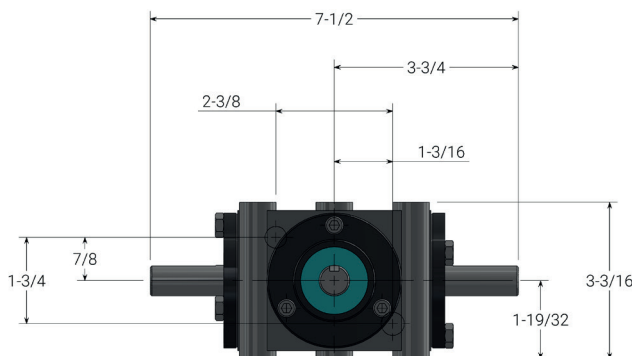
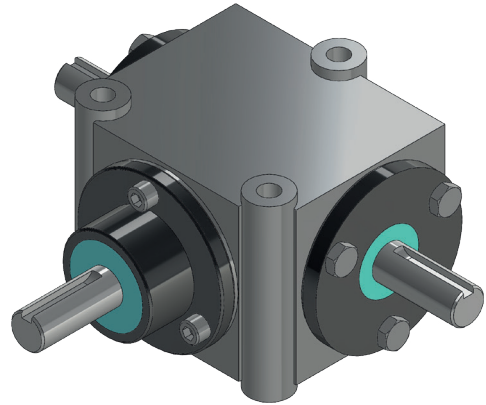
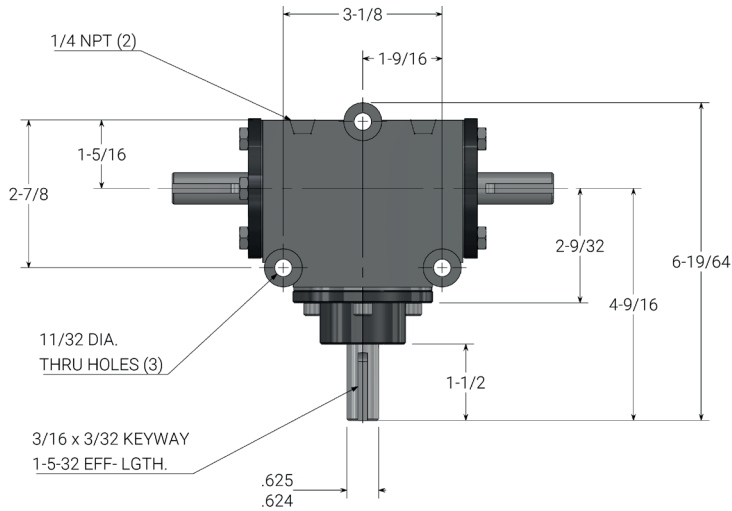


# IMPERIAL BEVEL GEARBOX SERIES



[www.mecmot.com](http://www.mecmot.com)

## MODEL A1



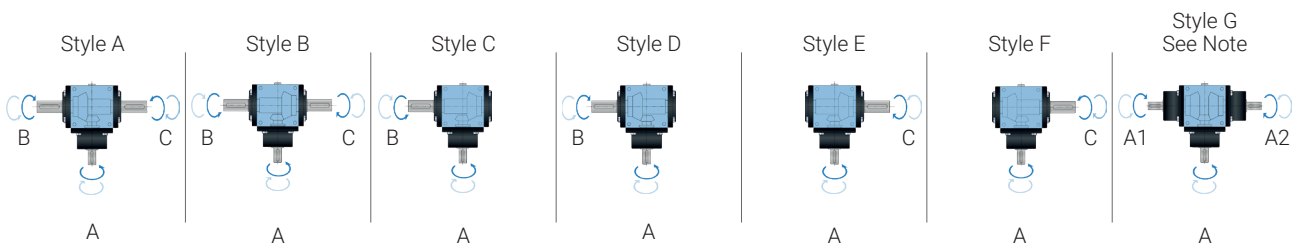
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B, C, D, E, F.....9 lbs  
Styles G .....10 lbs

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

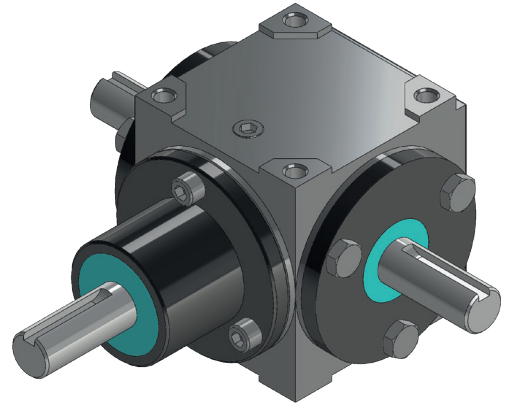
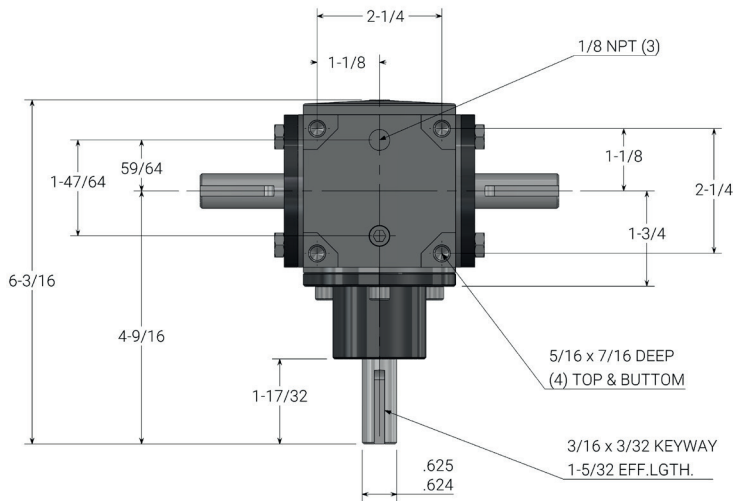
## MODEL A1

### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of two (2) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

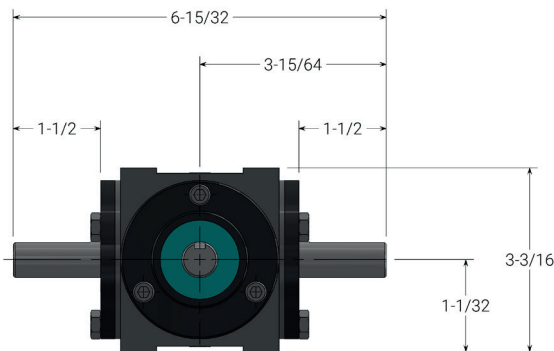
| Rating Table |                       |                  |        |
|--------------|-----------------------|------------------|--------|
| Input RPM    |                       | Reduction Ratios |        |
|              |                       | 1:1 SP           | 2:1 SP |
| 3000         | Input horsepower      | 3.59             | 1.77   |
|              | Output torque in LBS. | 75.50            | 74.20  |
|              | Input O.H.L.          | 25.00            | 30.00  |
|              | Output O.H.L.         | 70.00            | 100.00 |
| 2400         | Input horsepower      | 2.95             | 1.45   |
|              | Output torque in LBS. | 77.40            | 76.10  |
|              | Input O.H.L.          | 45.00            | 50.00  |
|              | Output O.H.L.         | 105.00           | 135.00 |
| 1750         | Input horsepower      | 2.19             | 1.07   |
|              | Output torque in LBS. | 78.70            | 77.20  |
|              | Input O.H.L.          | 60.00            | 70.00  |
|              | Output O.H.L.         | 150.00           | 180.00 |
| 1150         | Input horsepower      | 1.47             | .72    |
|              | Output torque in LBS. | 80.30            | 78.60  |
|              | Input O.H.L.          | 90.00            | 95.00  |
|              | Output O.H.L.         | 175.00           | 210.00 |
| 850          | Input horsepower      | 1.10             | .54    |
|              | Output torque in LBS. | 81.30            | 79.40  |
|              | Input O.H.L.          | 100.00           | 105.00 |
|              | Output O.H.L.         | 210.00           | 240.00 |
| 690          | Input horsepower      | .90              | .44    |
|              | Output torque in LBS. | 81.90            | 80.00  |
|              | Input O.H.L.          | 110.00           | 112.00 |
|              | Output O.H.L.         | 230.00           | 270.00 |
| 400          | Input horsepower      | .53              | .26    |
|              | Output torque in LBS. | 83.30            | 81.20  |
|              | Input O.H.L.          | 125.00           | 138.00 |
|              | Output O.H.L.         | 300.00           | 330.00 |
| 300          | Input horsepower      | .40              | .19    |
|              | Output torque in LBS. | 84.70            | 82.40  |
|              | Input O.H.L.          | 150.00           | 152.00 |
|              | Output O.H.L.         | 400.00           | 400.00 |
| 100          | Input horsepower      | .14              | .07    |
|              | Output torque in LBS. | 85.80            | 83.20  |
|              | Input O.H.L.          | 160.00           | 175.00 |
|              | Output O.H.L.         | 400.00           | 400.00 |

## MODEL A2



### Note: Style G&G

1. Dimensions for shafts A, A1 and A2 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.



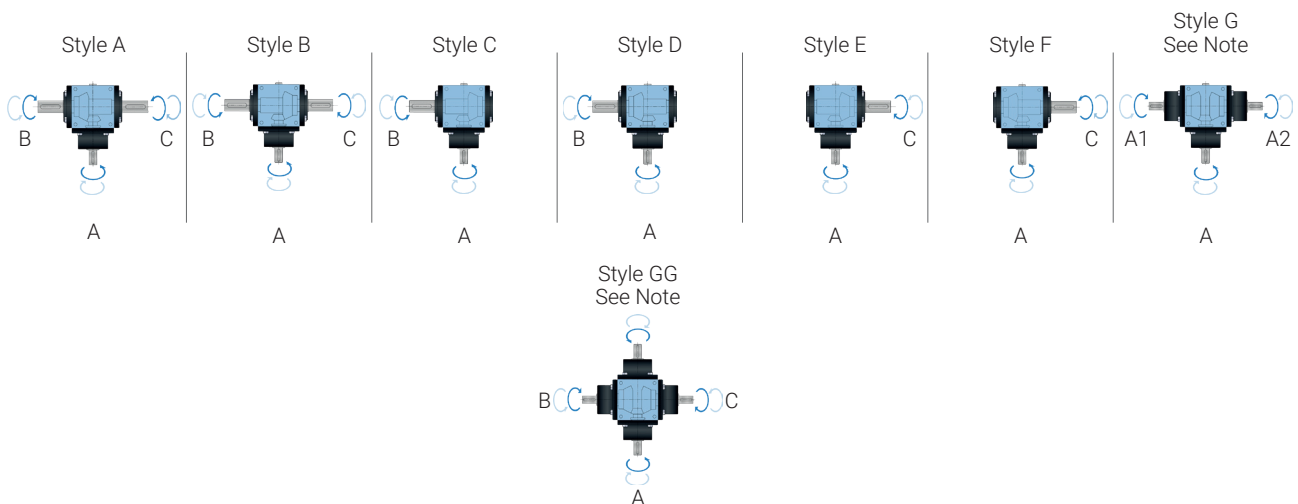
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B, C, D, E, F.....10 lbs.  
Styles G .....12 lbs.  
Styles GG .....15 lbs.

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A2

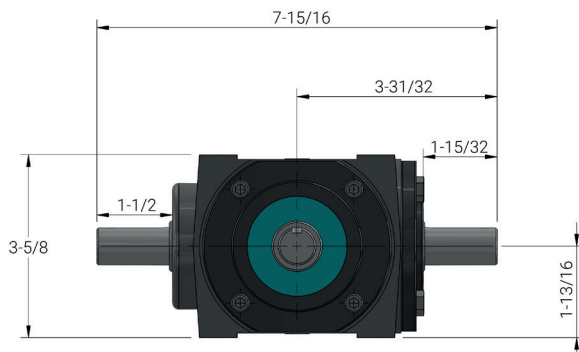
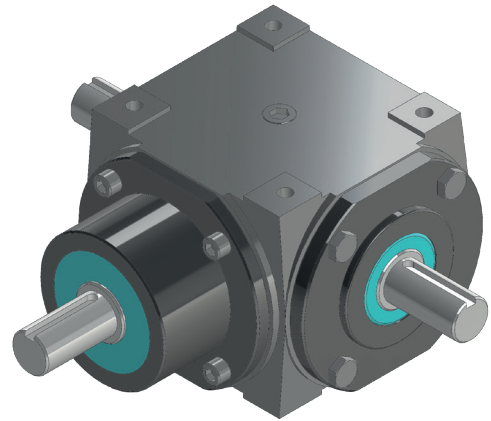
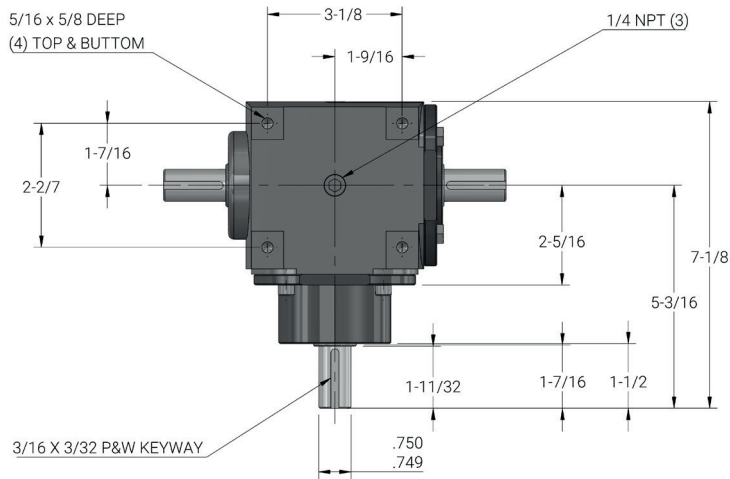
MODEL A2

### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of two (2) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

| Rating Table |                       |                  |        |
|--------------|-----------------------|------------------|--------|
| Input RPM    |                       | Reduction Ratios |        |
|              |                       | 1:1 SP           | 2:1 SP |
| 3000         | Input horsepower      | 3.59             | 1.77   |
|              | Output torque in LBS. | 75.50            | 74.20  |
|              | Input O.H.L           | 25.00            | 30.00  |
|              | Output O.H.L          | 70.00            | 100.00 |
| 2400         | Input horsepower      | 2.95             | 1.45   |
|              | Output torque in LBS. | 77.40            | 76.10  |
|              | Input O.H.L           | 45.00            | 50.00  |
|              | Output O.H.L          | 105.00           | 135.00 |
| 1750         | Input horsepower      | 2.19             | 1.07   |
|              | Output torque in LBS. | 78.70            | 77.20  |
|              | Input O.H.L           | 60.00            | 70.00  |
|              | Output O.H.L          | 150.00           | 180.00 |
| 1150         | Input horsepower      | 1.47             | .72    |
|              | Output torque in LBS. | 80.30            | 78.60  |
|              | Input O.H.L           | 90.00            | 95.00  |
|              | Output O.H.L          | 175.00           | 210.00 |
| 850          | Input horsepower      | 1.10             | .54    |
|              | Output torque in LBS. | 81.30            | 79.40  |
|              | Input O.H.L           | 100.00           | 105.00 |
|              | Output O.H.L          | 210.00           | 240.00 |
| 690          | Input horsepower      | .90              | .44    |
|              | Output torque in LBS. | 81.90            | 80.00  |
|              | Input O.H.L           | 110.00           | 112.00 |
|              | Output O.H.L          | 230.00           | 270.00 |
| 400          | Input horsepower      | .53              | .26    |
|              | Output torque in LBS. | 83.30            | 81.20  |
|              | Input O.H.L           | 125.00           | 138.00 |
|              | Output O.H.L          | 300.00           | 330.00 |
| 300          | Input horsepower      | .40              | .19    |
|              | Output torque in LBS. | 84.70            | 82.40  |
|              | Input O.H.L           | 150.00           | 152.00 |
|              | Output O.H.L          | 400.00           | 400.00 |
| 100          | Input horsepower      | .14              | .07    |
|              | Output torque in LBS. | 85.80            | 83.20  |
|              | Input O.H.L           | 160.00           | 175.00 |
|              | Output O.H.L          | 400.00           | 400.00 |

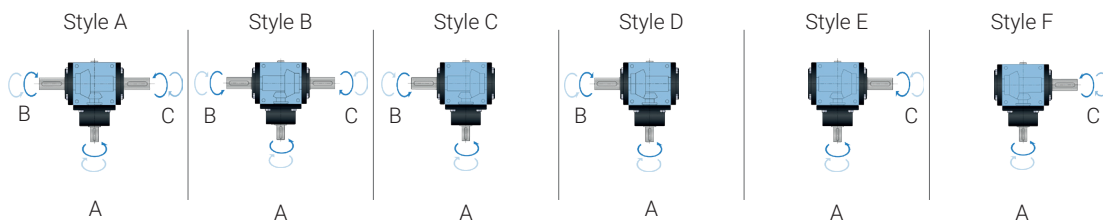
## MODEL A3



### Dry Shipping Weights

Styles A, B, C, D, E, F.....9 lbs  
Styles G .....15 lbs

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A3

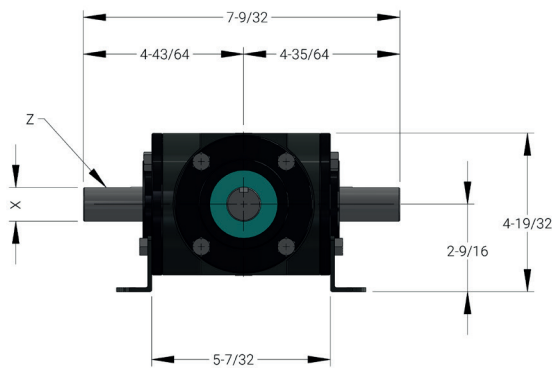
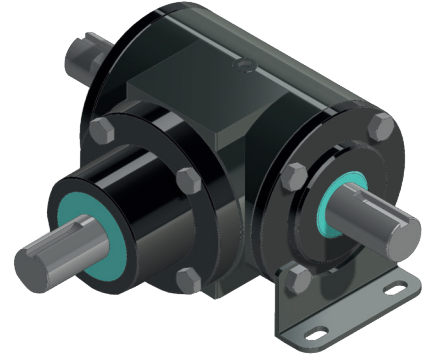
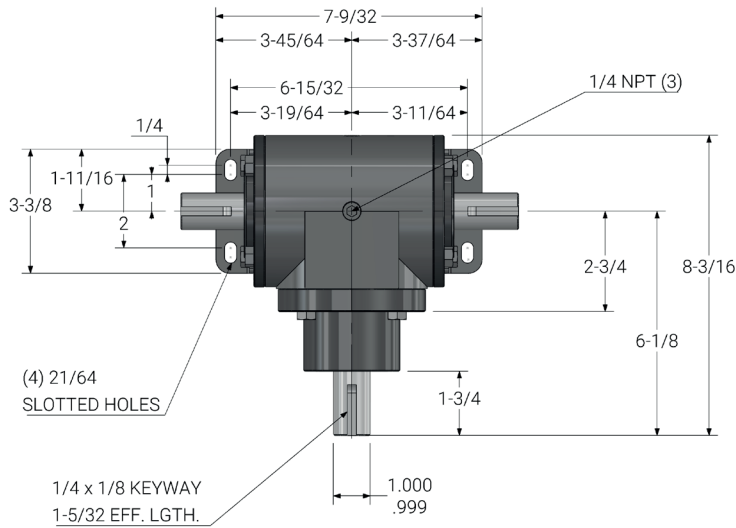
### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of three (3) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

**Rating Table**

| Input RPM |                       | Reduction Ratios |          |        |
|-----------|-----------------------|------------------|----------|--------|
|           |                       | 1:1 SP           | 1.5:1 SP | 2:1 SP |
| 1750      | Input horsepower      | 19.96            | 10.05    | 5.95   |
|           | Output torque in LBS. | 719              | 516      | 429    |
|           | Input O.H.L           | 65               | 248      | 359    |
|           | Output O.H.L          | 259              | 471      | 600    |
| 1150      | Input horsepower      | 13.77            | 6.89     | 4.07   |
|           | Output torque in LBS. | 755              | 540      | 446    |
|           | Input O.H.L           | 143              | 339      | 445    |
|           | Output O.H.L          | 325              | 557      | 600    |
| 850       | Input horsepower      | 10.3             | 5.24     | 3.08   |
|           | Output torque in LBS. | 764              | 555      | 457    |
|           | Input O.H.L           | 227              | 415      | 493    |
|           | Output O.H.L          | 389              | 600      | 600    |
| 690       | Input horsepower      | 8.36             | 4.33     | 2.54   |
|           | Output torque in LBS. | 764              | 564      | 465    |
|           | Input O.H.L           | 298              | 473      | 528    |
|           | Output O.H.L          | 440              | 600      | 600    |
| 400       | Input horsepower      | 4.85             | 2.61     | 1.53   |
|           | Output torque in LBS. | 764              | 588      | 482    |
|           | Input O.H.L           | 504              | 600      | 600    |
|           | Output O.H.L          | 590              | 600      | 600    |
| 300       | Input horsepower      | 3.64             | 2.00     | 1.17   |
|           | Output torque in LBS. | 764              | 600      | 491    |
|           | Input O.H.L           | 599              | 600      | 600    |
|           | Output O.H.L          | 600              | 600      | 600    |
| 100       | Input horsepower      | 1.21             | 0.71     | 0.41   |
|           | Output torque in LBS. | 764              | 636      | 518    |
|           | Input O.H.L           | 600              | 600      | 600    |
|           | Output O.H.L          | 600              | 600      | 600    |

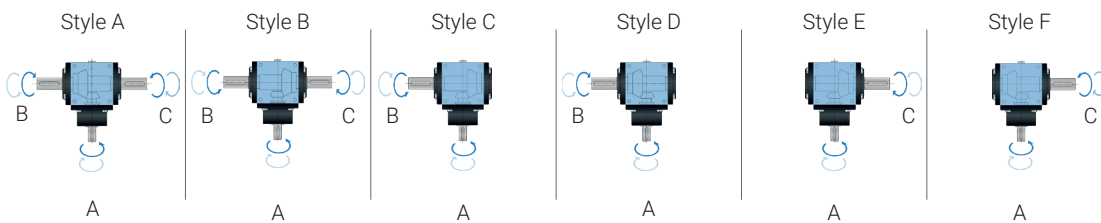
**MODEL A0**



**Dry Shipping Weights**

Styles A, B, C, D, E, F.....21 lbs.

**Standart Styles Available**



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A0

MODEL A0

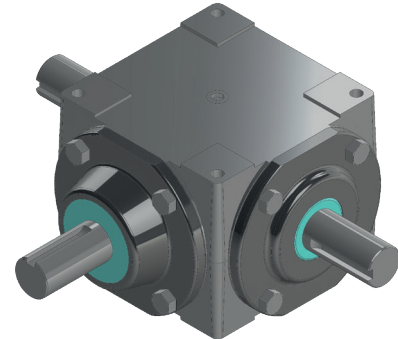
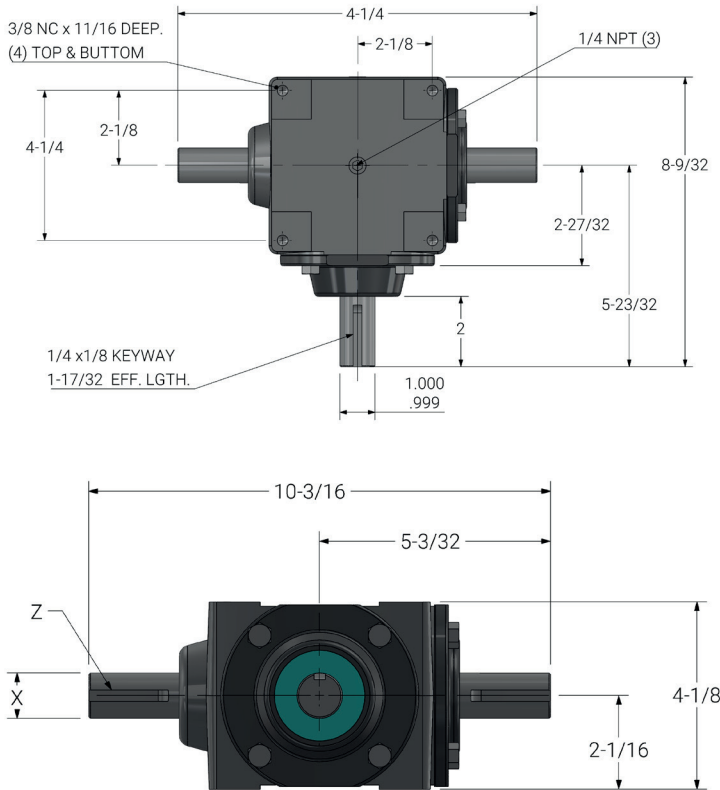
### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of one (1) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

**Rating Table**

| Input RPM |                                                                          | Reduction Ratios                   |
|-----------|--------------------------------------------------------------------------|------------------------------------|
|           |                                                                          | 1:1 SP                             |
| 2400      | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 21.80<br>570.00<br>65.00<br>215.00 |
| 1750      | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 16.00<br>580.00<br>80.00<br>265.00 |
| 1150      | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 11.00<br>600.00<br>93.00<br>310.00 |
| 850       | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 8.30<br>615.00<br>106.00<br>355.00 |
| 690       | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 6.80<br>620.00<br>139.00<br>395.00 |
| 400       | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 4.10<br>645.00<br>175.00<br>475.00 |
| 300       | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 3.10<br>650.00<br>225.00<br>550.00 |
| 100       | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 1.10<br>693.00<br>445.00<br>800.00 |

## MODEL A4



### Note: Style G&G

1. Dimensions for shafts A, A1 and A2 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

### Cross Shaft Reduction Ratios

| Model No | 1:1 ST                       | 1:1 SP | 1.5:1 ST | 1.5:1 SP | 2:1 ST | 2:1 SP |
|----------|------------------------------|--------|----------|----------|--------|--------|
| DIA. X   | 1.000<br>.999                |        |          |          |        |        |
| KEYWAY Z | 1/4 x 1/8 x 1-17/32 EFF LGTH |        |          |          |        |        |

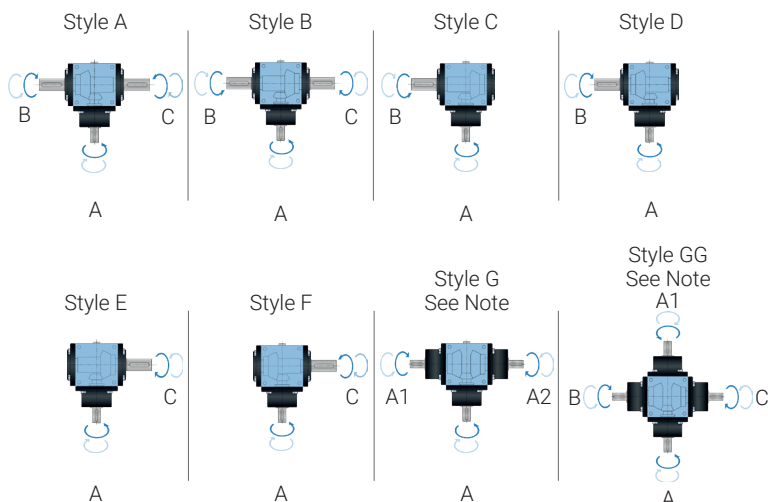
### Cross Shaft Increaser Ratios

| Ratio    | 1:1.5 ST                            | 1:1.5 SP                         | 1:2 ST                              |
|----------|-------------------------------------|----------------------------------|-------------------------------------|
| DIA. X   | 625**<br>.624                       | 1.000<br>.999                    | 625**<br>.624                       |
| KEYWAY Z | 3/16x3/32x<br>1-19/32<br>EFF. LGTH. | 1/4x1/8x<br>1-7/32<br>EFF. LGTH. | 3/16x3/32x<br>1-19/32<br>EFF. LGTH. |

For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

### Dry Shipping Weights

Styles A, B, C, D, E, F.....25 lbs.  
Styles G .....26 lbs.  
Styles GG .....28 lbs.

## MODEL A4

MODEL A4

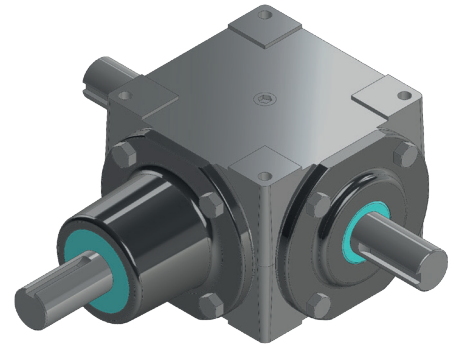
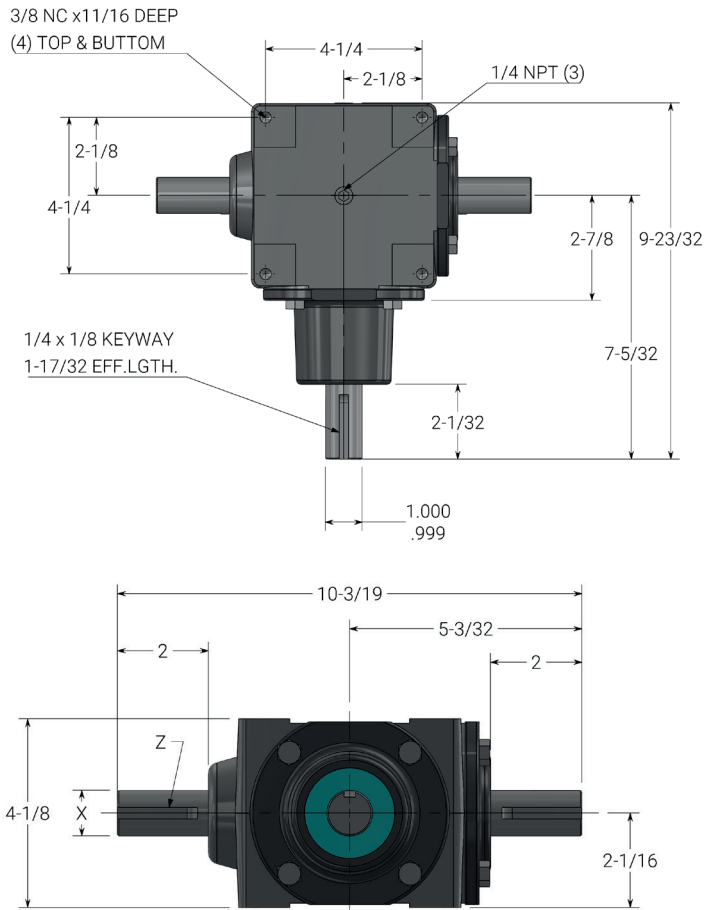
### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of four (4) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

Rating Table

| Input RPM |                       | Reduction Ratios |          |        | Increaser Ratios |
|-----------|-----------------------|------------------|----------|--------|------------------|
|           |                       | 1:1 SP           | 1.5:1 SP | 2:1 SP | 1:1.5 SP         |
| 3000      | Input horsepower      | 26.80            | 28.00    |        |                  |
|           | Output torque in LBS. | 564.00           | 883.00   |        |                  |
|           | Input O.H.L           | 40.00            | 20.00    |        |                  |
|           | Output O.H.L          | 160.00           | 200.00   |        |                  |
| 2400      | Input horsepower      | 21.80            | 22.70    | 13.65  |                  |
|           | Output torque in LBS. | 570.00           | 895.00   | 717.00 |                  |
|           | Input O.H.L           | 86.00            | 35.00    | 75.00  |                  |
|           | Output O.H.L          | 215.00           | 225.00   | 600.00 |                  |
| 1750      | Input horsepower      | 16.00            | 16.90    | 10.25  | 24.70            |
|           | Output torque in LBS. | 580.00           | 911.00   | 736.00 | 593.00           |
|           | Input O.H.L           | 106.00           | 50.00    | 100.00 | 45.00            |
|           | Output O.H.L          | 265.00           | 275.00   | 665.00 | 75.00            |
| 1150      | Input horsepower      | 11.00            | 11.30    | 7.00   | 16.70            |
|           | Output torque in LBS. | 600.00           | 930.00   | 761.00 | 610.00           |
|           | Input O.H.L           | 124.00           | 75.00    | 125.00 | 60.00            |
|           | Output O.H.L          | 310.00           | 375.00   | 750.00 | 90.00            |
| 850       | Input horsepower      | 8.30             | 8.50     | 5.25   | 12.50            |
|           | Output torque in LBS. | 615.00           | 941.00   | 777.00 | 618.00           |
|           | Input O.H.L           | 142.00           | 150.00   | 150.00 | 135.00           |
|           | Output O.H.L          | 355.00           | 450.00   | 800.00 | 110.00           |
| 690       | Input horsepower      | 6.80             | 6.90     | 4.30   | 10.20            |
|           | Output torque in LBS. | 620.00           | 950.00   | 788.00 | 621.00           |
|           | Input O.H.L           | 158.00           | 160.00   | 160.00 | 150.00           |
|           | Output O.H.L          | 395.00           | 500.00   | 800.00 | 125.00           |
| 400       | Input horsepower      | 4.10             | 4.10     | 2.60   | 6.00             |
|           | Output torque in LBS. | 645.00           | 964.00   | 815.00 | 630.00           |
|           | Input O.H.L           | 190.00           | 200.00   | 270.00 | 195.00           |
|           | Output O.H.L          | 475.00           | 650.00   | 800.00 | 135.00           |
| 300       | Input horsepower      | 3.10             | 3.10     | 2.00   | 4.60             |
|           | Output torque in LBS. | 650.00           | 974.00   | 829.00 | 640.00           |
|           | Input O.H.L           | 220.00           | 225.00   | 370.00 | 237.00           |
|           | Output O.H.L          | 550.00           | 750.00   | 800.00 | 135.00           |
| 100       | Input horsepower      | 1.10             | 1.05     | .70    | 1.60             |
|           | Output torque in LBS. | 693.00           | 993.00   | 876.00 | 672.00           |
|           | Input O.H.L           | 332.00           | 350.00   | 600.00 | 325.00           |
|           | Output O.H.L          | 800.00           | 800.00   | 800.00 | 135.00           |

## MODEL A5



**Note: Style G&G**

1. Dimensions for shafts A, A1 and A2 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

| Cross Shaft Reduction Ratios |                              |        |          |          |        |        |        |
|------------------------------|------------------------------|--------|----------|----------|--------|--------|--------|
| Model No                     | 1:1 ST                       | 1:1 SP | 1.5:1 ST | 1.5:1 SP | 2:1 ST | 2:1 SP | 3:1 SP |
| DIA. X                       | $\frac{1.000}{.999}$         |        |          |          |        |        |        |
| KEYWAY Z                     | 1/4 x 1/8 x1-5/32 EFF. LGTH. |        |          |          |        |        |        |

| Cross Shaft Increaser Ratios |                                   |                                |                                   |        |
|------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------|
| RATIO                        | 1:1.5 ST                          | 1:1.5 SP                       | 1:2 ST                            | 1:2 SP |
| DIA. X                       | .625**<br>.624                    | 1.000<br>.999                  | .625**<br>.624                    |        |
| KEYWAY Z                     | 3/16x3/32x<br>1-19/32<br>FFF LGTH | 1/4x1/8x<br>1-7/32<br>FFF LGTH | 3/16x3/32x<br>1-19/32<br>FFF LGTH |        |

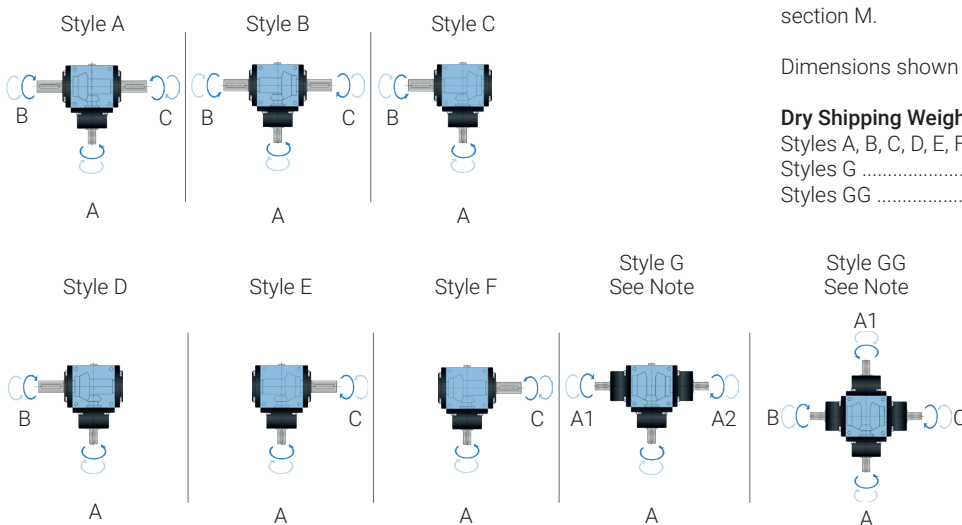
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B, C, D, E, F.....25 lbs.  
 Styles G .....26 lbs.  
 Styles GG .....28 lbs.

## Standart Styles Avaible



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A5

### Features

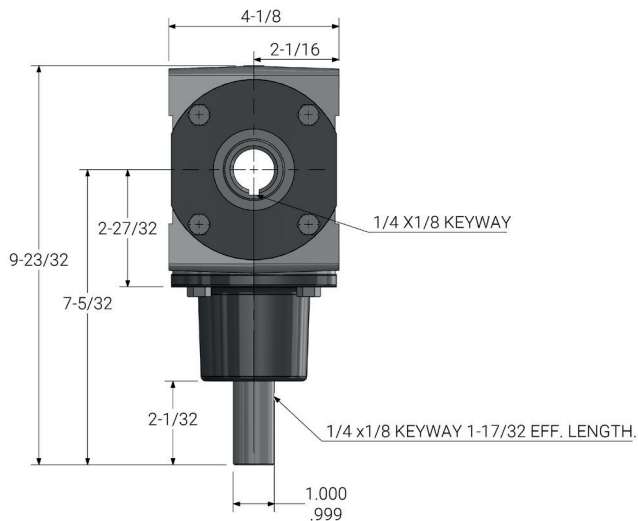
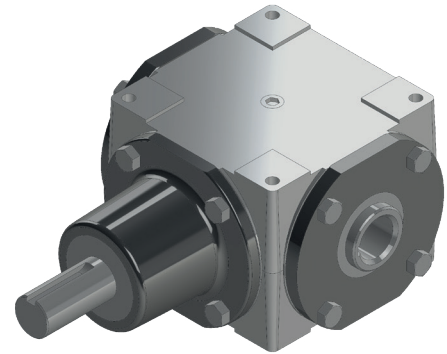
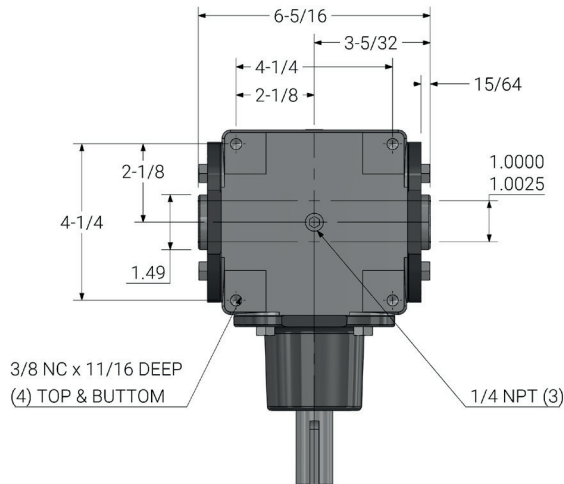
- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of six (6) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

MODEL A5

Rating Table

| Input RPM |                       | Reduction Ratios |          |        |        | Increaser Ratios |        |
|-----------|-----------------------|------------------|----------|--------|--------|------------------|--------|
|           |                       | 1:1 SP           | 1.5:1 SP | 2:1 SP | 3:1 SP | 1:1.5 SP         | 1:2 SP |
| 3000      | Input horsepower      | 26.87            | 28.00    | 16.75  | 8.70   |                  |        |
|           | Output torque in LBS. | 564.00           | 883.00   | 703.00 | 548.00 |                  |        |
|           | Input O.H.L           | 25.00            | 25.00    | 55.00  | 225.00 |                  |        |
|           | Output O.H.L          | 160.00           | 200.00   | 500.00 | 625.00 |                  |        |
| 2400      | Input horsepower      | 21.80            | 22.70    | 13.65  | 7.00   |                  |        |
|           | Output torque in LBS. | 570.00           | 895.00   | 717.00 | 554.00 |                  |        |
|           | Input O.H.L           | 54.00            | 50.00    | 85.00  | 275.00 |                  |        |
|           | Output O.H.L          | 215.00           | 225.00   | 600.00 | 700.00 |                  |        |
| 1750      | Input horsepower      | 16.00            | 16.90    | 10.25  | 5.20   | 24.70            |        |
|           | Output torque in LBS. | 580.00           | 911.00   | 736.00 | 562.00 | 593.00           |        |
|           | Input O.H.L           | 114.00           | 75.00    | 125.00 | 350.00 | 60.00            |        |
|           | Output O.H.L          | 265.00           | 275.00   | 665.00 | 775.00 | 75.00            |        |
| 1150      | Input horsepower      | 11.00            | 11.30    | 7.00   | 3.50   | 16.70            | 13.44  |
|           | Output torque in LBS. | 600.00           | 930.00   | 761.00 | 571.00 | 610.00           | 368.00 |
|           | Input O.H.L           | 182.00           | 125.00   | 200.00 | 475.00 | 115.00           | 80.00  |
|           | Output O.H.L          | 310.00           | 375.00   | 750.00 | 800.00 | 90.00            | 135.00 |
| 850       | Input horsepower      | 8.30             | 8.50     | 5.25   | 2.60   | 12.50            | 10.20  |
|           | Output torque in LBS. | 615.00           | 941.00   | 777.00 | 576.00 | 618.00           | 377.00 |
|           | Input O.H.L           | 211.00           | 250.00   | 280.00 | 575.00 | 225.00           | 150.00 |
|           | Output O.H.L          | 355.00           | 450.00   | 800.00 | 800.00 | 110.00           | 135.00 |
| 690       | Input horsepower      | 6.80             | 6.90     | 4.30   | 2.10   | 10.20            | 8.40   |
|           | Output torque in LBS. | 620.00           | 950.00   | 788.00 | 578.00 | 621.00           | 383.00 |
|           | Input O.H.L           | 243.00           | 325.00   | 345.00 | 600.00 | 290.00           | 210.00 |
|           | Output O.H.L          | 395.00           | 500.00   | 800.00 | 800.00 | 125.00           | 135.00 |
| 400       | Input horsepower      | 4.10             | 4.10     | 2.60   | 1.24   | 6.00             | 5.06   |
|           | Output torque in LBS. | 645.00           | 964.00   | 815.00 | 586.00 | 630.00           | 398.00 |
|           | Input O.H.L           | 319.00           | 375.00   | 500.00 | 600.00 | 345.00           | 400.00 |
|           | Output O.H.L          | 475.00           | 650.00   | 800.00 | 800.00 | 135.00           | 135.00 |
| 300       | Input horsepower      | 3.10             | 3.10     | 2.00   | .94    | 4.60             | 3.87   |
|           | Output torque in LBS. | 650.00           | 974.00   | 829.00 | 592.00 | 644.00           | 406.00 |
|           | Input O.H.L           | 384.00           | 475.00   | 600.00 | 600.00 | 425.00           | 500.00 |
|           | Output O.H.L          | 550.00           | 750.00   | 800.00 | 800.00 | 135.00           | 135.00 |
| 100       | Input horsepower      | 1.10             | 1.05     | .70    | .32    | 1.60             | 1.37   |
|           | Output torque in LBS. | 693.00           | 993.00   | 876.00 | 605.00 | 672.00           | 433.00 |
|           | Input O.H.L           | 600.00           | 600.00   | 600.00 | 600.00 | 600.00           | 600.00 |
|           | Output O.H.L          | 800.00           | 800.00   | 800.00 | 800.00 | 135.00           | 135.00 |

## MODEL A50



### Note: Style GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

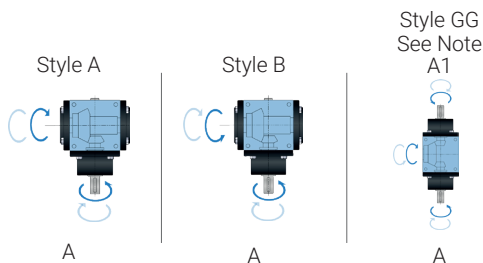
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B.....25 lbs.  
Styles GG .....36 lbs.

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A50

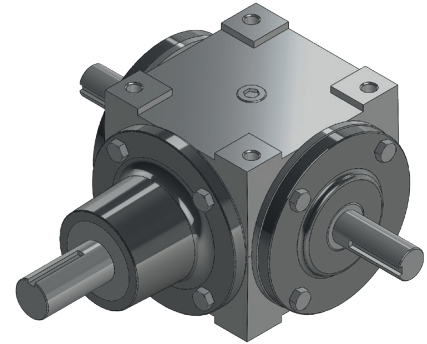
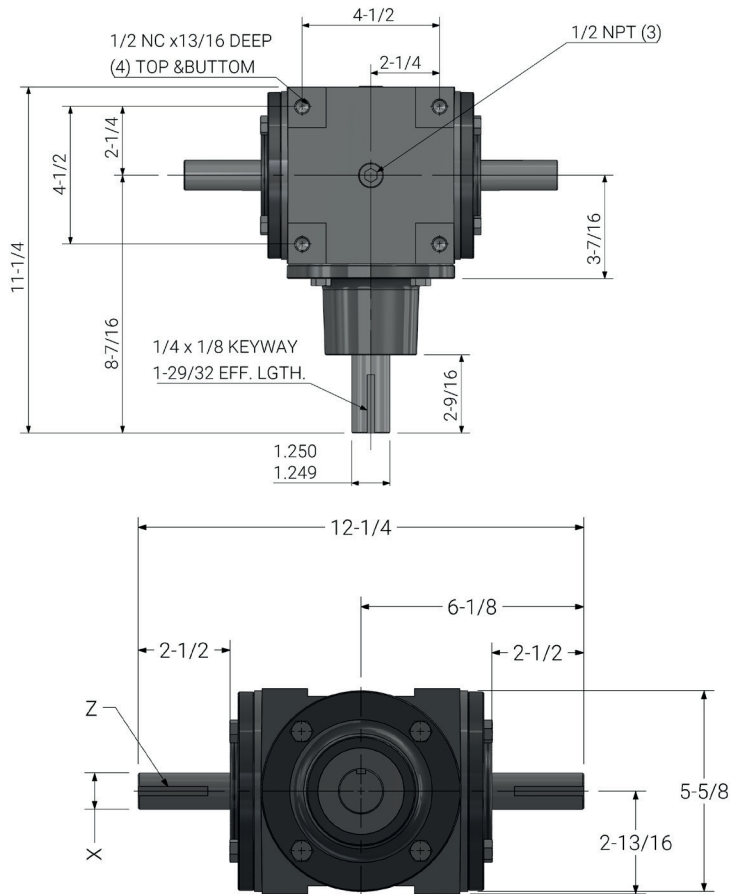
### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of four (4) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

MODEL A50

| Rating Table |                       |                  |          |        |        |
|--------------|-----------------------|------------------|----------|--------|--------|
| Input RPM    |                       | Reduction Ratios |          |        |        |
|              |                       | 1:1 SP           | 1.5:1 SP | 2:1 SP | 3:1 SP |
| 3000         | Input horsepower      | 26.87            | 28.00    | 16.75  | 8.70   |
|              | Output torque in LBS. | 564.00           | 883.00   | 703.00 | 548.00 |
|              | Input O.H.L           | 25.00            | 25.00    | 55.00  | 225.00 |
|              | Output O.H.L          |                  |          |        |        |
| 2400         | Input horsepower      | 21.80            | 22.70    | 13.65  | 7.00   |
|              | Output torque in LBS. | 570.00           | 895.00   | 717.00 | 554.00 |
|              | Input O.H.L           | 54.00            | 50.00    | 85.00  | 275.00 |
|              | Output O.H.L          |                  |          |        |        |
| 1750         | Input horsepower      | 16.00            | 16.90    | 10.25  | 5.20   |
|              | Output torque in LBS. | 580.00           | 911.00   | 736.00 | 562.00 |
|              | Input O.H.L           | 114.00           | 75.00    | 125.00 | 350.00 |
|              | Output O.H.L          |                  |          |        |        |
| 1150         | Input horsepower      | 11.00            | 11.30    | 7.00   | 3.50   |
|              | Output torque in LBS. | 600.00           | 930.00   | 761.00 | 571.00 |
|              | Input O.H.L           | 182.00           | 125.00   | 200.00 | 475.00 |
|              | Output O.H.L          |                  |          |        |        |
| 850          | Input horsepower      | 8.30             | 8.50     | 5.25   | 2.60   |
|              | Output torque in LBS. | 615.00           | 941.00   | 777.00 | 576.00 |
|              | Input O.H.L           | 211.00           | 250.00   | 280.00 | 575.00 |
|              | Output O.H.L          |                  |          |        |        |
| 690          | Input horsepower      | 6.80             | 6.90     | 4.30   | 2.10   |
|              | Output torque in LBS. | 620.00           | 950.00   | 788.00 | 578.00 |
|              | Input O.H.L           | 243.00           | 325.00   | 345.00 | 600.00 |
|              | Output O.H.L          |                  |          |        |        |
| 400          | Input horsepower      | 4.10             | 4.10     | 2.60   | 1.24   |
|              | Output torque in LBS. | 645.00           | 964.00   | 815.00 | 586.00 |
|              | Input O.H.L           | 319.00           | 375.00   | 500.00 | 600.00 |
|              | Output O.H.L          |                  |          |        |        |
| 300          | Input horsepower      | 3.10             | 3.10     | 2.00   | .94    |
|              | Output torque in LBS. | 650.00           | 974.00   | 829.00 | 592.00 |
|              | Input O.H.L           | 384.00           | 475.00   | 600.00 | 600.00 |
|              | Output O.H.L          |                  |          |        |        |
| 100          | Input horsepower      | 1.10             | 1.05     | .70    | .32    |
|              | Output torque in LBS. | 693.00           | 993.00   | 876.00 | 605.00 |
|              | Input O.H.L           | 600.00           | 600.00   | 600.00 | 600.00 |
|              | Output O.H.L          |                  |          |        |        |

## MODEL A6



### Note: Style G&GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

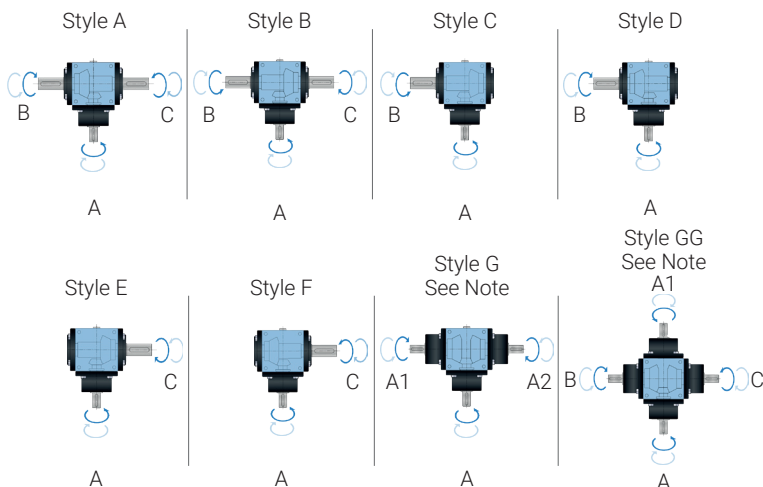
### Cross Shaft Reduction Ratios

| Model No | 1:1 ST                        | 1:1 SP | 1.5:1 ST | 1.53:1 SP | 2:1 ST | 2:1 SP | 3:1 SP |
|----------|-------------------------------|--------|----------|-----------|--------|--------|--------|
| DIA. X   | 1.250<br>1.249                |        |          |           |        |        |        |
| KEYWAY Z | 1/4 x 1/8 x1-29/32 EFF. LGTH. |        |          |           |        |        |        |

### Cross Shaft Increaser Ratios

| Ratio    | 1:1.5 ST                      | 1:1.5 SP       | 1:2 ST        | 1:2 SP        |
|----------|-------------------------------|----------------|---------------|---------------|
| DIA. X   | 1.250<br>1.249                | 1.125<br>1.124 | 1.000<br>.999 | 1.000<br>.999 |
| KEYWAY Z | 1/4 x 1/8 x1-29/32 EFF. LGTH. |                |               |               |

### Standart Styles Available



For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B, C, D, E, F.....43 lbs.  
Styles G.....53 lbs.  
Styles GG.....65 lbs.

Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A6

### Features

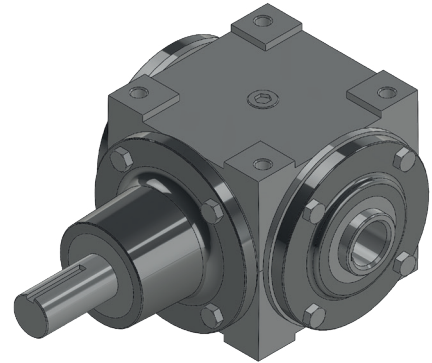
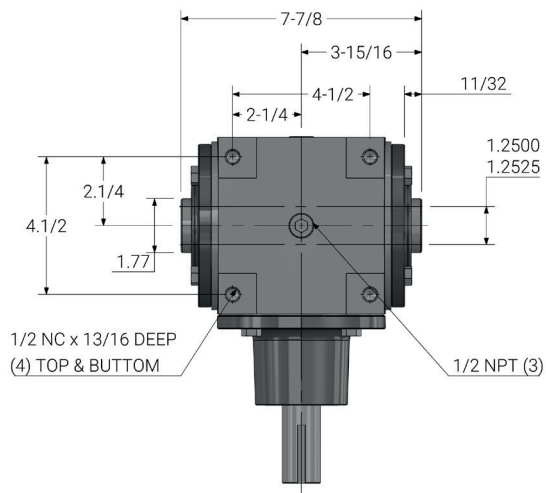
- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of six (6) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

MODEL A6

Rating Table

| Input RPM                                         |                       | Reduction Ratios |           |         |         | Increaser Ratios |        |
|---------------------------------------------------|-----------------------|------------------|-----------|---------|---------|------------------|--------|
|                                                   |                       | 1:1 SP           | 1.53:1 SP | 2:1 SP  | 3:1 SP  | 1:1.53 SP        | 1:2 SP |
| 3000                                              | Input horsepower      |                  | 56.00     | 25.50   | 15.40   |                  |        |
|                                                   | Output torque in LBS. |                  | 1765.00   | 1072.00 | 951.00  |                  |        |
|                                                   | Input O.H.L           |                  | 38.00     | 100.00  | 35.00   |                  |        |
|                                                   | Output O.H.L          |                  | 80.00     | 725.00  | 100.00  |                  |        |
| 2400                                              | Input horsepower      | 59.00            | 46.00     | 20.67   | 12.50   | 64.00            |        |
|                                                   | Output torque in LBS. | 1550.00          | 1810.00   | 1085.00 | 961.00  | 1120.00          |        |
|                                                   | Input O.H.L           | 30.00            | 59.00     | 125.00  | 45.00   | 42.00            |        |
|                                                   | Output O.H.L          | 65.00            | 100.00    | 800.00  | 225.00  | 68.00            |        |
| 1750                                              | Input horsepower      | 46.00            | 35.00     | 15.40   | 9.20    | 49.00            |        |
|                                                   | Output torque in LBS. | 1650.00          | 1887.00   | 1112.00 | 975.00  | 1180.00          |        |
|                                                   | Input O.H.L           | 62.00            | 97.00     | 225.00  | 85.00   | 79.00            |        |
|                                                   | Output O.H.L          | 100.00           | 140.00    | 900.00  | 350.00  | 140.00           |        |
| 1150                                              | Input horsepower      | 30.50            | 23.00     | 10.30   | 6.15    | 34.50            | 19.90  |
|                                                   | Output torque in LBS. | 1670.00          | 1930.00   | 1125.70 | 989.00  | 1260.00          | 545.00 |
|                                                   | Input O.H.L           | 109.00           | 133.00    | 400.00  | 100.00  | 102.00           | 325.00 |
|                                                   | Output O.H.L          | 160.00           | 190.00    | 1075.00 | 500.00  | 149.00           | 300.00 |
| 850                                               | Input horsepower      | 24.00            | 18.00     | 7.68    | 4.60    | 26.50            | 15.00  |
|                                                   | Output torque in LBS. | 1790.00          | 2000.00   | 1139.00 | 998.00  | 1310.00          | 556.00 |
|                                                   | Input O.H.L           | 143.00           | 161.00    | 525.00  | 195.00  | 142.00           | 450.00 |
|                                                   | Output O.H.L          | 210.00           | 230.00    | 1080.00 | 750.00  | 178.00           | 350.00 |
| 690                                               | Input horsepower      | 20.00            | 15.00     | 6.28    | 3.75    | 21.80            | 12.30  |
|                                                   | Output torque in LBS. | 1830.00          | 2050.00   | 1147.00 | 1009.00 | 1330.00          | 562.00 |
|                                                   | Input O.H.L           | 178.00           | 217.00    | 600.00  | 215.00  | 212.00           | 500.00 |
|                                                   | Output O.H.L          | 250.00           | 270.00    | 1080.00 | 800.00  | 307.00           | 400.00 |
| 300                                               | Input horsepower      | 10.00            | 7.00      | 2.80    | 1.65    | 10.00            | 5.50   |
|                                                   | Output torque in LBS. | 2100.00          | 2205.00   | 1177.00 | 1031.00 | 1400.00          | 578.00 |
|                                                   | Input O.H.L           | 312.00           | 421.00    | 900.00  | 550.00  | 370.00           | 875.00 |
|                                                   | Output O.H.L          | 420.00           | 425.00    | 1080.00 | 1080.00 | 393.00           | 400.00 |
| 100                                               | Input horsepower      | 3.70             | 3.00      | .95     | .55     | 3.50             | 1.88   |
|                                                   | Output torque in LBS. | 2330.00          | 2835.00   | 1198.00 | 1056.00 | 1470.00          | 592.00 |
|                                                   | Input O.H.L           | 493.00           | 611.00    | 900.00  | 800.00  | 420.00           | 900.00 |
|                                                   | Output O.H.L          | 685.00           | 685.00    | 1080.00 | 1080.00 | 620.00           | 400.00 |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE                 | 5.42             | 4.04      | 2.17    | 1.24    | 9.39             | 8.31   |
|                                                   | A, B                  | 5.21             | 3.96      | 2.12    | 1.22    | 9.08             | 7.98   |
|                                                   | C, D, E, F            | 7.45             | 6.27      | 3.19    | 1.68    | 12.28            | 12.24  |
|                                                   | G, GG                 | 7.90             | 5.47      | 3.08    | 1.97    | 15.04            | 13.23  |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B                  | 5.42             | 9.42      | 8.67    | 11.17   | 4.03             | 2.08   |
|                                                   | C, D, E, F            | 5.21             | 9.22      | 8.46    | 10.96   | 3.90             | 1.99   |
|                                                   | G                     | 7.45             | 14.62     | 12.77   | 15.16   | 5.27             | 3.06   |
|                                                   | GG                    | 7.90             | 12.74     | 12.33   | 17.70   | 6.46             | 3.31   |

## MODEL A60



Note: Style GG

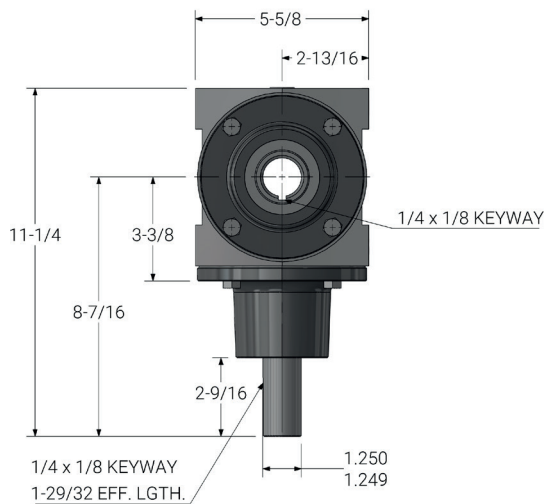
1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

For Lubrication and installation instructions refer to section M.

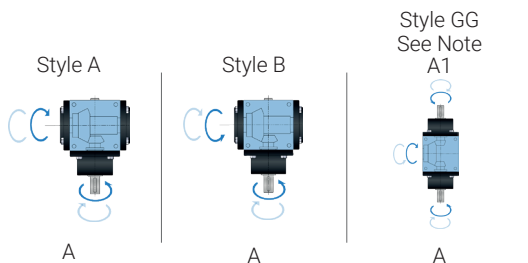
Dimensions shown are for reference only.

### Dry Shipping Weights

|                  |         |
|------------------|---------|
| Styles A, B..... | 48 lbs. |
| Styles GG.....   | 68 lbs. |



## Standart Styles Avaible



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A60

### Features

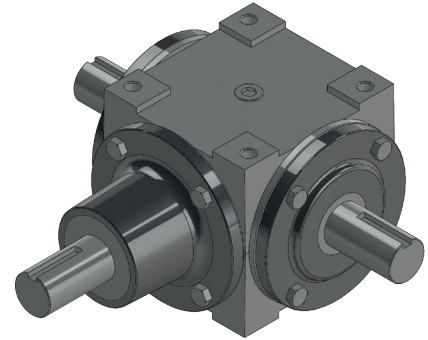
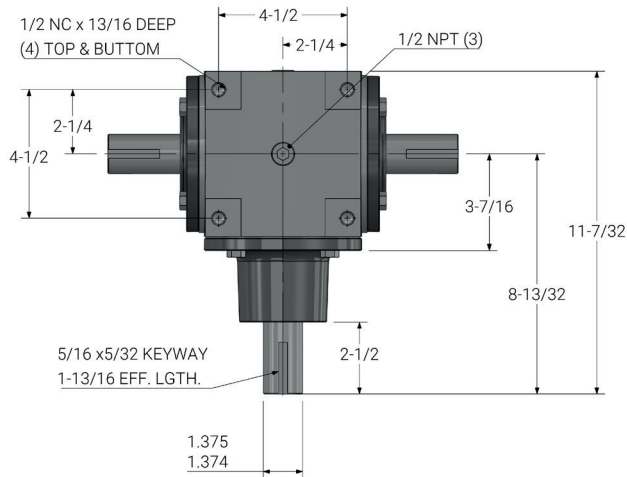
- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of four (4) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

MODEL A60

Rating Table

| Input RPM                                      |                                                                          | Reduction Ratios           |                            |                            |                           |
|------------------------------------------------|--------------------------------------------------------------------------|----------------------------|----------------------------|----------------------------|---------------------------|
|                                                |                                                                          | 1:1 SP                     | 1.53:1 SP                  | 2:1 SP                     | 3:1 SP                    |
| 3000                                           | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L |                            | 56.00<br>1765.00<br>38.00  | 25.50<br>1072.00<br>100.00 | 15.40<br>951.00<br>35.00  |
| 2400                                           | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 59.00<br>1550.00<br>30.00  | 46.00<br>1810.00<br>59.00  | 20.67<br>1085.00<br>125.00 | 12.50<br>961.00<br>45.00  |
| 1750                                           | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 46.00<br>1650.00<br>62.00  | 35.00<br>1887.00<br>97.00  | 15.40<br>1112.10<br>225.00 | 9.20<br>975.00<br>85.00   |
| 1150                                           | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 30.50<br>1670.00<br>109.00 | 23.00<br>1930.00<br>133.00 | 10.30<br>1125.70<br>400.00 | 6.15<br>989.00<br>100.00  |
| 850                                            | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 24.00<br>1790.00<br>143.00 | 18.00<br>2000.00<br>161.00 | 7.68<br>1139.00<br>525.00  | 4.60<br>998.00<br>195.00  |
| 690                                            | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 20.00<br>1830.00<br>178.00 | 15.00<br>2050.00<br>217.00 | 6.28<br>1147.00<br>600.00  | 3.75<br>1009.00<br>215.00 |
| 400                                            | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 13.00<br>2050.00<br>254.00 | 9.20<br>2170.00<br>283.00  | 3.71<br>1169.00<br>875.00  | 2.20<br>1028.00<br>450.00 |
| 300                                            | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 10.00<br>2100.00<br>312.00 | 7.00<br>2205.00<br>421.00  | 2.80<br>1177.00<br>900.00  | 1.65<br>1031.00<br>550.00 |
| 100                                            | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 3.70<br>2330.00<br>493.00  | 3.00<br>2835.00<br>611.00  | .95<br>1198.00<br>900.00   | .55<br>1056.00<br>800.00  |
| WR2 (Lb In 2) referred<br>to high speed shaft. | STYLE<br>A, B<br>GG                                                      | 7.53<br>10.31              | 4.65<br>6.08               | 2.58<br>3.52               | 1.60<br>2.39              |
| WR2 (Lb In 2) referred<br>to low speed shaft.  | A, B<br>GG                                                               | 7.53<br>10.31              | 10.88<br>14.22             | 10.31<br>14.09             | 14.43<br>21.50            |

## MODEL A600



### Note: Style GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

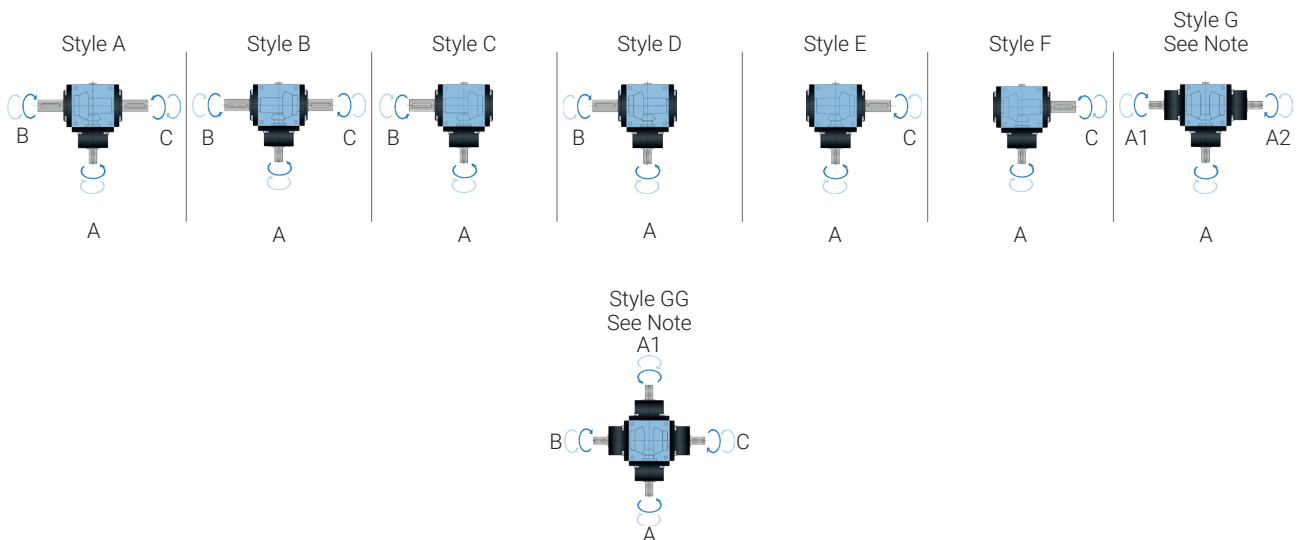
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B, C, D, E, F... 48 lbs.  
 Styles G... 60 lbs.  
 Styles GG... 68 lbs.

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A600

### Features

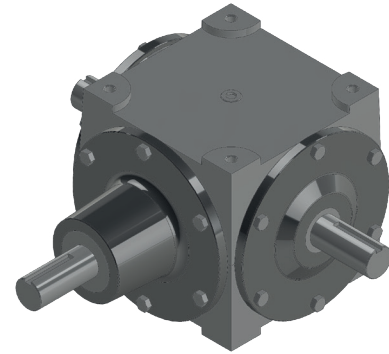
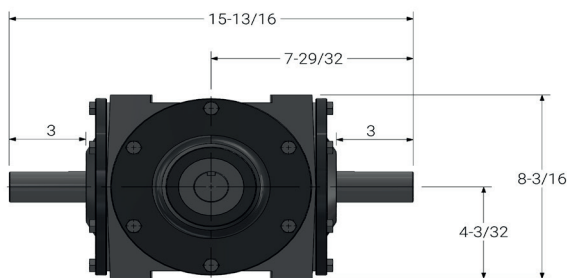
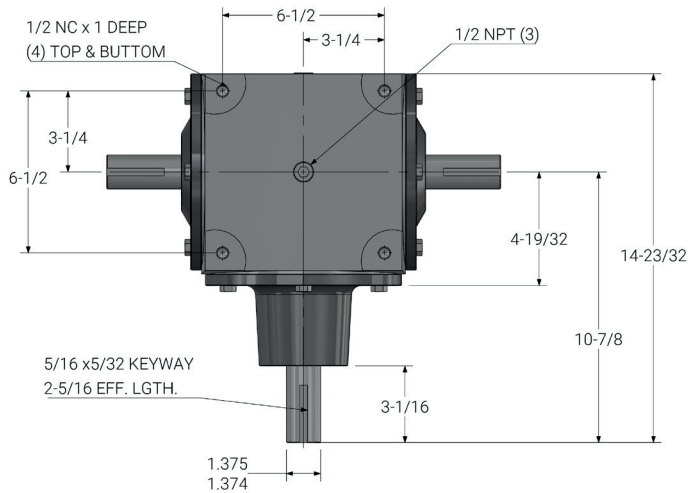
- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of six (6) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

MODEL A600

Rating Table

| Input RPM                                         |                       | Reduction Ratios |           |          |         | Increaser Ratios |          |
|---------------------------------------------------|-----------------------|------------------|-----------|----------|---------|------------------|----------|
|                                                   |                       | 1:1 SP           | 1.29:1 SP | 1.5:1 ST | 2:1 ST  | 1:1.29 SP        | 1:1.2 SP |
| 2400                                              | Input horsepower      | 59.00            | 46.30     |          |         | 52.30            | 55.70    |
|                                                   | Output torque in LBS. | 1550.00          | 1570.00   |          |         | 1063.00          | 1221.00  |
|                                                   | Input O.H.L.          | 30.00            | 95.00     |          |         | 28.00            | 30.00    |
|                                                   | Output O.H.L.         | 65.00            | 110.00    |          |         | 64.00            | 59.00    |
| 1750                                              | Input horsepower      | 46.00            | 34.70     | 15.00    | 7.30    | 39.30            | 41.90    |
|                                                   | Output torque in LBS. | 1650.00          | 1610.00   | 810.00   | 525.00  | 1095.00          | 1258.00  |
|                                                   | Input O.H.L.          | 62.00            | 129.00    | 351.00   | 459.00  | 58.00            | 50.00    |
|                                                   | Output O.H.L.         | 100.00           | 130.00    | 300.00   | 330.00  | 111.00           | 96.00    |
| 1150                                              | Input horsepower      | 30.50            | 23.60     | 10.60    | 5.40    | 26.70            | 28.00    |
|                                                   | Output torque in LBS. | 1670.00          | 1660.00   | 870.00   | 591.00  | 1133.00          | 129.80   |
|                                                   | Input O.H.L.          | 109.00           | 199.00    | 446.00   | 521.00  | 102.00           | 97.00    |
|                                                   | Output O.H.L.         | 160.00           | 190.00    | 340.00   | 380.00  | 178.00           | 148.00   |
| 850                                               | Input horsepower      | 24.00            | 17.80     | 8.20     | 4.50    | 20.10            | 21.30    |
|                                                   | Output torque in LBS. | 1790.00          | 1700.00   | 910.00   | 667.00  | 1158.00          | 1317.00  |
|                                                   | Input O.H.L.          | 143.00           | 253.00    | 524.00   | 567.00  | 137.00           | 117.00   |
|                                                   | Output O.H.L.         | 210.00           | 275.00    | 400.00   | 440.00  | 233.00           | 191.00   |
| 690                                               | Input horsepower      | 20.00            | 14.60     | 7.10     | 3.90    | 16.60            | 17.66    |
|                                                   | Output torque in LBS. | 1830.00          | 1720.00   | 970.00   | 712.00  | 1174.00          | 1344.00  |
|                                                   | Input O.H.L.          | 178.00           | 433.00    | 558.00   | 603.00  | 168.00           | 143.00   |
|                                                   | Output O.H.L.         | 250.00           | 452.00    | 445.00   | 465.00  | 292.00           | 265.00   |
| 400                                               | Input horsepower      | 13.00            | 8.68      | 4.60     | 2.40    | 9.90             | 10.54    |
|                                                   | Output torque in LBS. | 2050.00          | 1760.00   | 1000.00  | 733.00  | 1211.00          | 1385.00  |
|                                                   | Input O.H.L.          | 254.00           | 544.00    | 725.00   | 719.00  | 241.00           | 216.00   |
|                                                   | Output O.H.L.         | 350.00           | 563.00    | 578.00   | 572.00  | 415.00           | 356.00   |
| 300                                               | Input horsepower      | 10.00            | 6.58      | 3.50     | 1.80    | 7.50             | 7.95     |
|                                                   | Output torque in LBS. | 2100.00          | 1780.00   | 1100.00  | 756.00  | 1228.00          | 1392.00  |
|                                                   | Input O.H.L.          | 312.00           | 605.00    | 744.00   | 806.00  | 301.00           | 284.00   |
|                                                   | Output O.H.L.         | 420.00           | 628.00    | 645.00   | 715.00  | 462.00           | 411.00   |
| 100                                               | Input horsepower      | 3.70             | 2.27      | 1.40     | .70     | 2.60             | 2.78     |
|                                                   | Output torque in LBS. | 2330.00          | 1850.00   | 1320.00  | 882.00  | 1278.00          | 1461.00  |
|                                                   | Input O.H.L.          | 493.00           | 817.00    | 900.00   | 900.00  | 462.00           | 423.00   |
|                                                   | Output O.H.L.         | 685.00           | 850.00    | 965.00   | 1080.00 | 710.00           | 630.00   |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE                 | 7.49             | 5.69      | 3.10     | 1.87    | 9.88             | 9.03     |
|                                                   | A, B                  | 7.19             | 5.51      | 3.00     | 1.82    | 9.39             | 8.61     |
|                                                   | C, D, E, F            | 10.27            | 8.26      | 4.43     | 2.59    | 12.73            | 11.95    |
|                                                   | G, GG                 | 10.91            | 7.27      | 4.46     | 2.81    | 14.80            | 13.32    |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B                  | 7.49             | 9.46      | 6.97     | 7.50    | 5.94             | 6.27     |
|                                                   | C, D, E, F            | 7.19             | 9.16      | 6.76     | 7.29    | 5.64             | 5.98     |
|                                                   | G                     | 10.27            | 13.74     | 9.96     | 10.35   | 7.65             | 8.30     |
|                                                   | GG                    | 10.91            | 12.10     | 10.03    | 11.22   | 8.90             | 9.25     |

## MODEL A7



### Note: Style G&GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

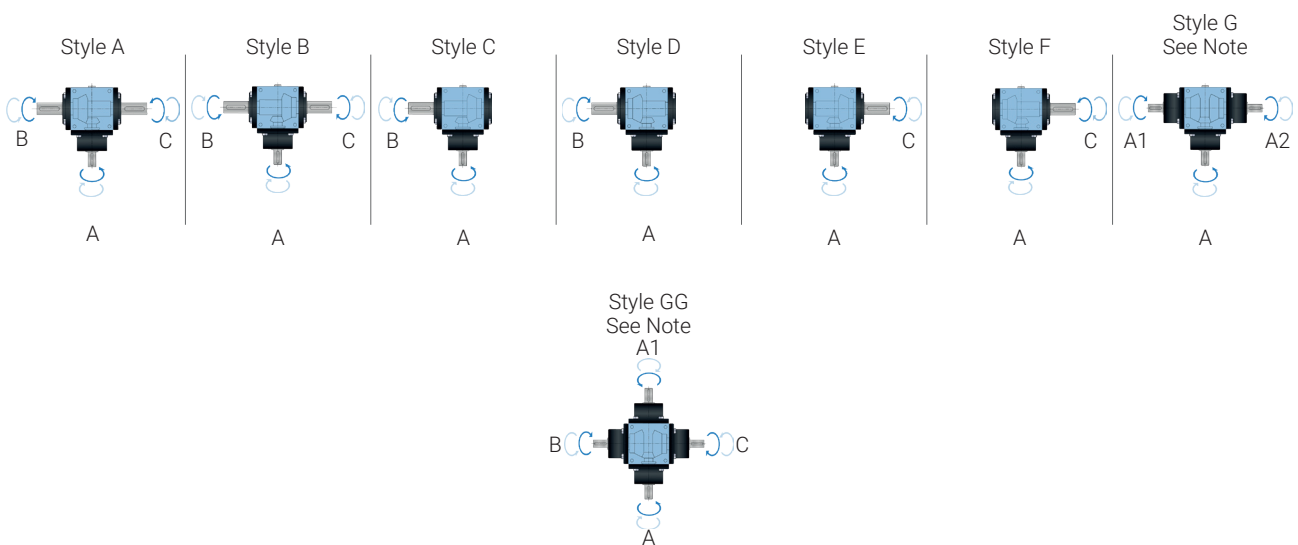
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B, C, D, E, F.....88 lbs.  
 Styles G.....100 lbs.  
 Styles GG.....112 lbs.

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A7

### Features

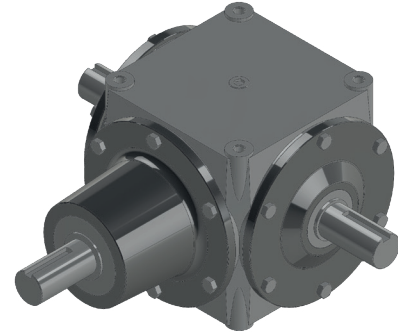
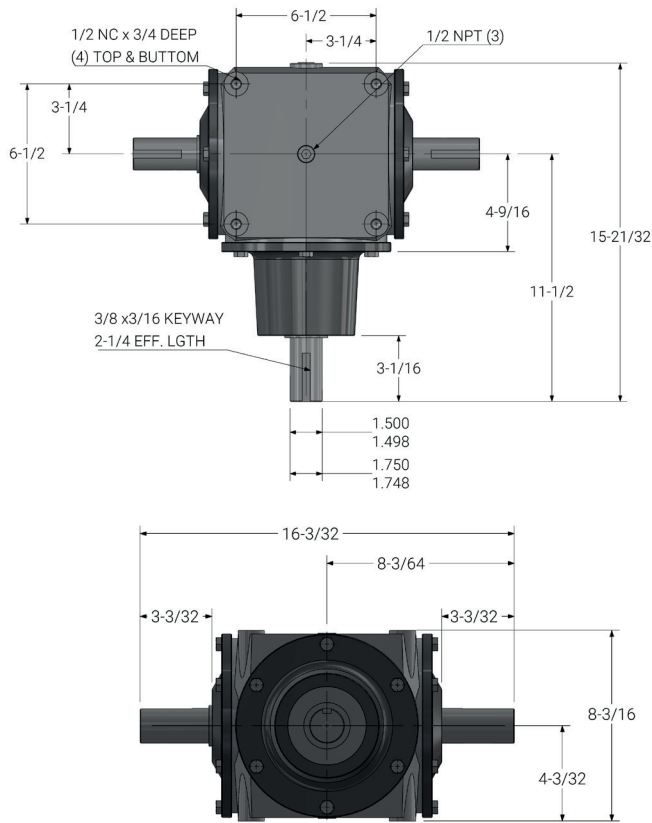
- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of six (6) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

MODEL A7

Rating Table

| Input RPM                                         |                       | Reduction Ratios |          |         |         | Increaser Ratios |         |
|---------------------------------------------------|-----------------------|------------------|----------|---------|---------|------------------|---------|
|                                                   |                       | 1:1 SP           | 1.5:1 SP | 2:1 SP  | 3:1 SP  | 1:1.5 SP         | 1:2 SP  |
| 1750                                              | Input horsepower      | 90.00            | 69.00    | 56.00   | 30.69   |                  |         |
|                                                   | Output torque in LBS. | 3240.00          | 3720.00  | 4070.00 | 3316.00 |                  |         |
|                                                   | Input O.H.L           | 35.00            | 97.00    | 85.00   | 65.00   |                  |         |
|                                                   | Output O.H.L          | 320.00           | 475.00   | 225.00  | 400.00  |                  |         |
| 1150                                              | Input horsepower      | 63.00            | 47.00    | 38.00   | 20.55   | 68.00            | 73.00   |
|                                                   | Output torque in LBS. | 3450.00          | 3860.00  | 4169.00 | 3378.70 | 2480.00          | 2000.00 |
|                                                   | Input O.H.L           | 202.00           | 216.00   | 150.00  | 175.00  | 152.00           | 115.00  |
|                                                   | Output O.H.L          | 370.00           | 600.00   | 275.00  | 525.00  | 219.00           | 210.00  |
| 850                                               | Input horsepower      | 48.00            | 35.70    | 29.00   | 15.39   | 51.00            | 55.00   |
|                                                   | Output torque in LBS. | 3558.00          | 3970.00  | 4230.00 | 3423.40 | 2520.00          | 2039.00 |
|                                                   | Input O.H.L           | 243.00           | 234.00   | 185.00  | 200.00  | 176.00           | 145.00  |
|                                                   | Output O.H.L          | 410.00           | 625.00   | 350.00  | 620.00  | 252.00           | 225.00  |
| 690                                               | Input horsepower      | 39.50            | 29.50    | 23.00   | 12.59   | 42.50            | 45.00   |
|                                                   | Output torque in LBS. | 3607.00          | 4040.00  | 4267.00 | 3449.90 | 2585.00          | 2055.00 |
|                                                   | Input O.H.L           | 308.00           | 329.00   | 235.00  | 240.00  | 247.00           | 175.00  |
|                                                   | Output O.H.L          | 475.00           | 710.00   | 400.00  | 700.00  | 356.00           | 275.00  |
| 400                                               | Input horsepower      | 23.50            | 17.60    | 13.80   | 7.43    | 26.00            | 27.00   |
|                                                   | Output torque in LBS. | 3702.00          | 4160.00  | 4356.00 | 3512.00 | 2730.00          | 2127.00 |
|                                                   | Input O.H.L           | 429.00           | 546.00   | 325.00  | 330.00  | 396.00           | 244.00  |
|                                                   | Output O.H.L          | 590.00           | 930.00   | 635.00  | 825.00  | 498.00           | 500.00  |
| 300                                               | Input horsepower      | 18.00            | 13.50    | 10.50   | 5.62    | 20.00            | 20.00   |
|                                                   | Output torque in LBS. | 3780.00          | 4250.00  | 4394.00 | 3542.00 | 2790.00          | 2101.00 |
|                                                   | Input O.H.L           | 486.00           | 631.00   | 365.00  | 420.00  | 452.00           | 275.00  |
|                                                   | Output O.H.L          | 655.00           | 1020.00  | 875.00  | 925.00  | 514.00           | 625.00  |
| 100                                               | Input horsepower      | 6.50             | 4.80     | 3.60    | 1.91    | 7.10             | 7.00    |
|                                                   | Output torque in LBS. | 4095.00          | 4440.00  | 4511.00 | 3611.30 | 2980.00          | 2206.00 |
|                                                   | Input O.H.L           | 843.00           | 1120.00  | 650.00  | 850.00  | 608.00           | 500.00  |
|                                                   | Output O.H.L          | 1100.00          | 1500.00  | 1200.00 | 1365.00 | 829.00           | 900.00  |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE                 | 45.53            | 22.28    | 10.50   | 4.67    | 51.04            | 44.27   |
|                                                   | A, B                  | 45.15            | 22.11    | 10.40   | 4.63    | 50.22            | 42.81   |
|                                                   | C, D, E, F            | 66.96            | 35.61    | 17.08   | 7.44    | 67.46            | 54.50   |
|                                                   | G<br>GG               | 67.79            | 31.14    | 14.48   | 6.49    | 85.97            | 71.85   |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B                  | 45.53            | 50.12    | 41.99   | 42.01   | 22.69            | 11.07   |
|                                                   | C, D, E, F            | 45.15            | 49.75    | 41.61   | 41.64   | 22.32            | 10.70   |
|                                                   | G                     | 66.96            | 80.13    | 68.31   | 66.93   | 29.98            | 13.62   |
|                                                   | GG                    | 67.79            | 70.06    | 57.92   | 58.41   | 38.21            | 17.96   |

## MODEL A70



### Note: Style G&GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

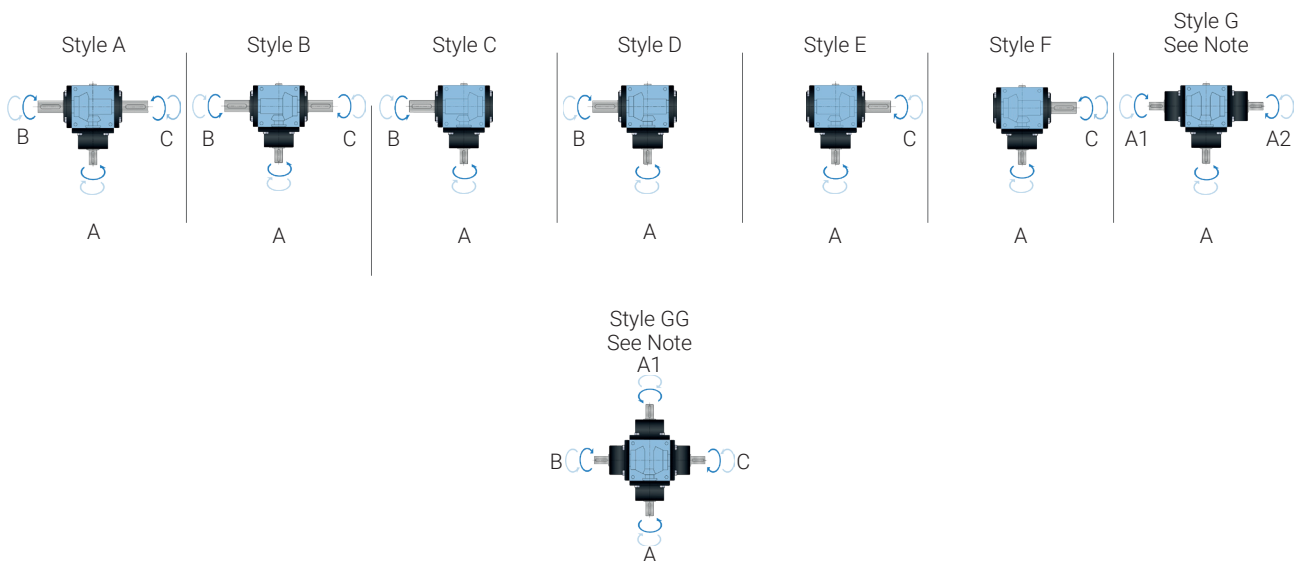
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

|                        |                      |
|------------------------|----------------------|
| 800.....               | 810                  |
| Styles A, B,C,D,E,F... | 90 lbs.....92 lbs.   |
| Styles G...            | 123 lbs.....125 lbs. |
| Styles GG..            | 141 lbs.....145 lbs. |

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A70

### Features

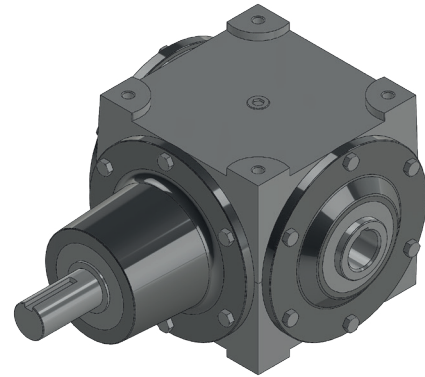
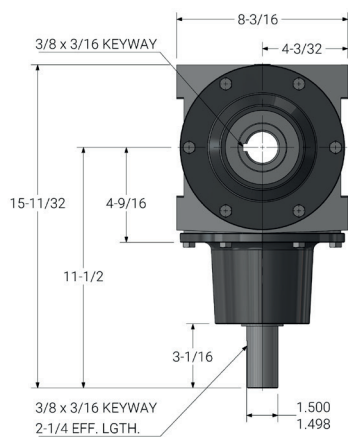
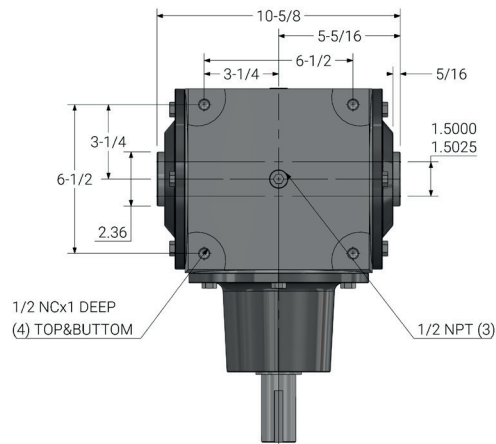
- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of four (4) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

MODEL A70

Rating Table

| Input RPM                                         |                       | Reduction Ratios |          |         |         |
|---------------------------------------------------|-----------------------|------------------|----------|---------|---------|
|                                                   |                       | 1:1 SP           | 1.5:1 SP | 2:1 SP  | 3:1 SP  |
| 1750                                              | Input horsepower      | 132.00           | 69.00    | 56.00   | 30.69   |
|                                                   | Output torque in LBS. | 4750.00          | 3720.00  | 4070.00 | 3316.00 |
|                                                   | Input O.H.L           | 140.00           | 75.00    | 65.00   | 100.00  |
|                                                   | Output O.H.L          | 690.00           | 500.00   | 750.00  | 600.00  |
| 1150                                              | Input horsepower      | 90.00            | 47.00    | 38.00   | 20.55   |
|                                                   | Output torque in LBS. | 4930.00          | 3830.00  | 4169.00 | 3378.70 |
|                                                   | Input O.H.L           | 308.00           | 300.00   | 225.00  | 290.00  |
|                                                   | Output O.H.L          | 708.00           | 1100.00  | 1400.00 | 950.00  |
| 850                                               | Input horsepower      | 67.00            | 35.70    | 29.00   | 15.39   |
|                                                   | Output torque in LBS. | 4970.00          | 3970.00  | 4230.00 | 3423.40 |
|                                                   | Input O.H.L           | 478.00           | 475.00   | 300.00  | 400.00  |
|                                                   | Output O.H.L          | 870.00           | 1550.00  | 1600.00 | 1200.00 |
| 690                                               | Input horsepower      | 56.00            | 29.50    | 23.00   | 12.59   |
|                                                   | Output torque in LBS. | 5115.00          | 4040.00  | 4267.00 | 3449.90 |
|                                                   | Input O.H.L           | 566.00           | 625.00   | 450.00  | 475.00  |
|                                                   | Output O.H.L          | 940.00           | 1750.00  | 2050.00 | 1350.00 |
| 400                                               | Input horsepower      | 33.00            | 17.60    | 13.80   | 7.43    |
|                                                   | Output torque in LBS. | 5200.00          | 4160.00  | 4356.00 | 3512.10 |
|                                                   | Input O.H.L           | 934.00           | 975.00   | 925.00  | 700.00  |
|                                                   | Output O.H.L          | 1160.00          | 2200.00  | 2200.00 | 1650.00 |
| 300                                               | Input horsepower      | 25.00            | 13.50    | 10.50   | 5.62    |
|                                                   | Output torque in LBS. | 5250.00          | 4250.00  | 4394.00 | 3542.00 |
|                                                   | Input O.H.L           | 1155.00          | 1200.00  | 1200.00 | 800.00  |
|                                                   | Output O.H.L          | 1340.00          | 2200.00  | 2200.00 | 1800.00 |
| 100                                               | Input horsepower      | 9.00             | 4.80     | 3.60    | 1.91    |
|                                                   | Output torque in LBS. | 5670.00          | 4440.00  | 4511.00 | 3611.30 |
|                                                   | Input O.H.L           | 1750.00          | 1750.00  | 1750.00 | 1200.00 |
|                                                   | Output O.H.L          | 2080.00          | 2200.00  | 2200.00 | 2200.00 |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE                 | 52.29            | 26.60    | 15.11   | 8.62    |
|                                                   | A, B                  | 51.17            | 26.18    | 14.88   | 8.51    |
|                                                   | C, D, E, F            | 76.02            | 40.03    | 22.54   | 11.46   |
|                                                   | G<br>GG               | 83.41            | 38.81    | 22.32   | 14.20   |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B                  | 52.29            | 59.84    | 60.46   | 77.56   |
|                                                   | C, D, E, F            | 51.17            | 58.90    | 59.52   | 76.62   |
|                                                   | G                     | 76.02            | 90.07    | 90.16   | 103.13  |
|                                                   | GG                    | 83.41            | 87.32    | 89.27   | 127.77  |

## MODEL A700



### Note: Style GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

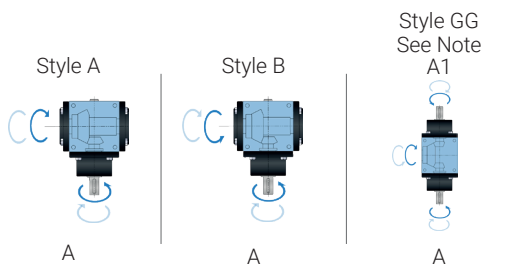
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B.....88 lbs.  
Styles GG.....135 lbs.

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

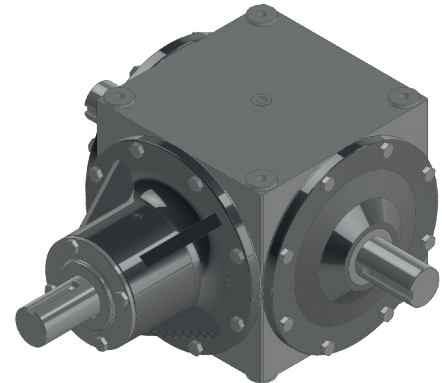
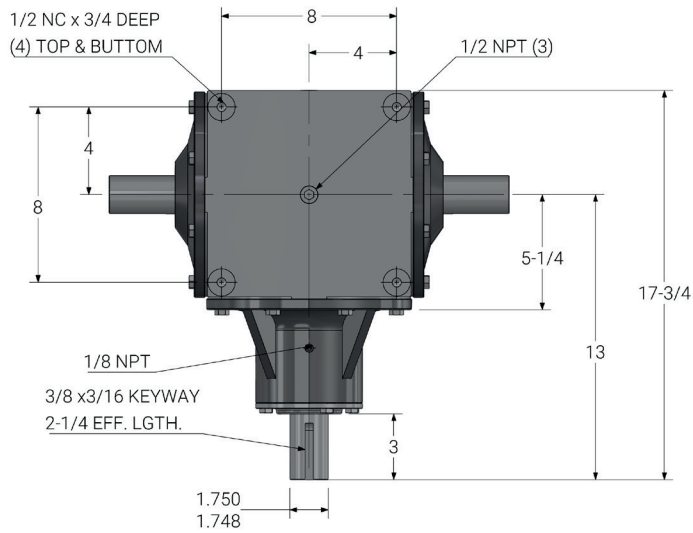
## MODEL A700

### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of four (4) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

| Rating Table                                      |                                                                          |                             |                             |                             |                            |
|---------------------------------------------------|--------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| Input RPM                                         |                                                                          | Reduction Ratios            |                             |                             |                            |
|                                                   |                                                                          | 1:1 SP                      | 1.5:1 SP                    | 2:1 SP                      | 3:1 SP                     |
| 1750                                              | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 132.00<br>4750.00<br>140.00 | 69.00<br>3720.00<br>75.00   | 56.00<br>4070.00<br>65.00   | 30.69<br>3316.00<br>100.00 |
| 1150                                              | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 90.00<br>4930.00<br>308.00  | 47.00<br>3860.00<br>300.00  | 38.00<br>4169.00<br>225.00  | 20.55<br>3378.70<br>290.00 |
| 850                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 67.00<br>4970.00<br>478.00  | 35.70<br>3970.00<br>475.00  | 29.00<br>4230.00<br>300.00  | 15.39<br>3423.40<br>400.00 |
| 690                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 56.00<br>5115.00<br>566.00  | 29.50<br>4040.00<br>625.00  | 23.00<br>4267.00<br>450.00  | 12.59<br>3449.90<br>475.00 |
| 400                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 33.00<br>5200.00<br>934.00  | 17.60<br>4160.00<br>975.00  | 13.80<br>4356.00<br>925.00  | 7.43<br>3512.10<br>700.00  |
| 300                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 25.00<br>5250.00<br>1155.00 | 13.50<br>4250.00<br>1200.00 | 10.50<br>4394.00<br>1200.00 | 5.62<br>3542.00<br>800.00  |
| 100                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 9.00<br>5670.00<br>1750.00  | 4.80<br>4440.00<br>1750.00  | 3.60<br>4511.00<br>1750.00  | 1.91<br>3611.30<br>1200.00 |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE<br>A, B<br>C, D, E, F<br>G<br>GG                                   | 52.90<br>74.95              | 28.14<br>38.65              | 17.12<br>23.93              | 10.06<br>15.36             |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B<br>C, D, E, F<br>G<br>GG                                            | 52.90<br>74.95              | 63.31<br>86.97              | 68.46<br>95.71              | 90.50<br>138.22            |

## MODEL A8



### Note: Style G&GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

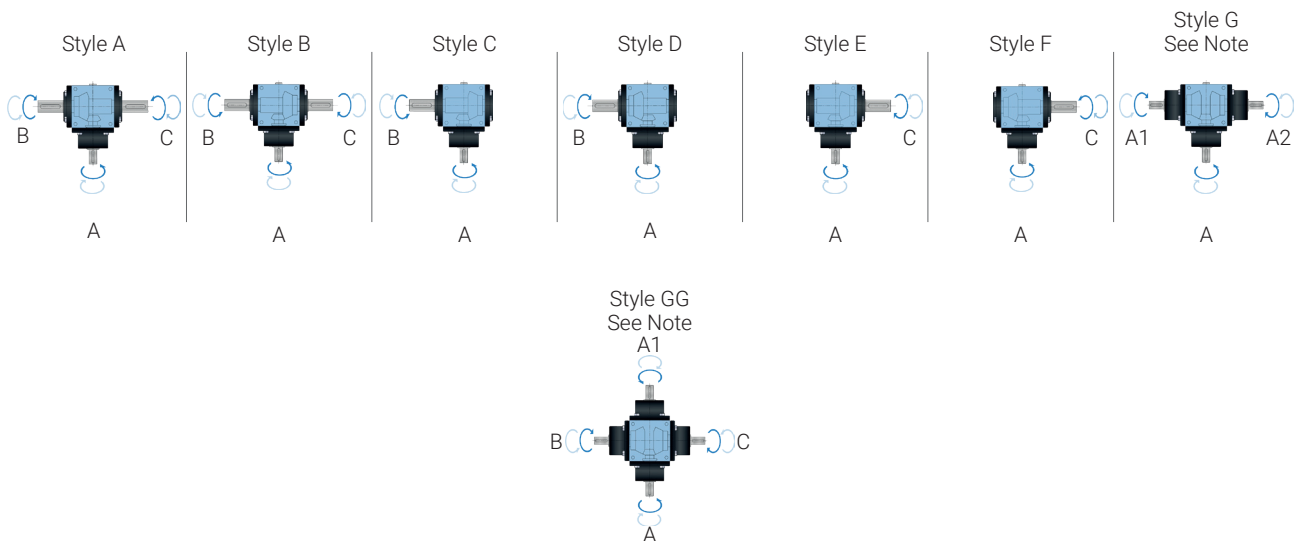
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B, C, D, E, F.....150 lbs.  
 Styles G.....160 lbs.  
 Styles GG.....175 lbs.

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

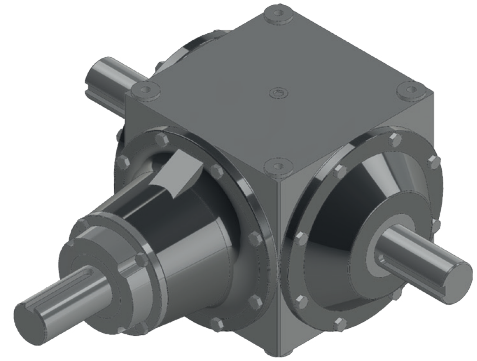
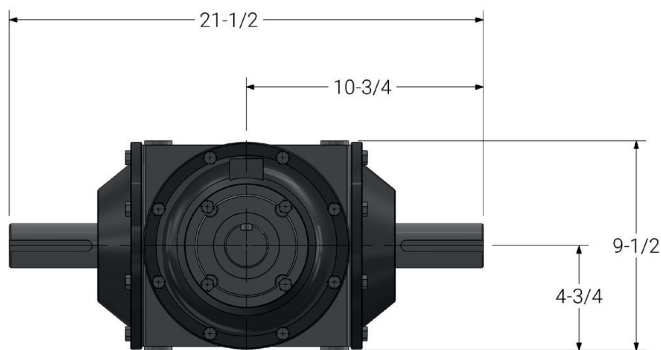
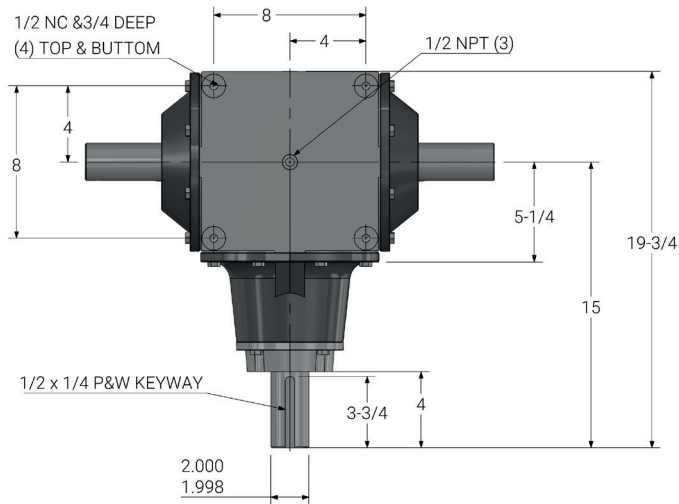
## MODEL A8

### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of four (4) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

| Rating Table                                      |                                                                          |                                     |                                    |                                    |                                    |
|---------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Input RPM                                         |                                                                          | Reduction Ratios                    |                                    | Increaser Ratios                   |                                    |
|                                                   |                                                                          | 1:1 ST                              | 2.00:1 ST                          | 1:1.21 ST                          | 1:2 ST                             |
| 1000                                              | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L |                                     | 50.1<br>5900.0<br>1100.0<br>1350.0 |                                    |                                    |
| 850                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L |                                     | 43.0<br>5954.0<br>1296.0<br>1875.0 |                                    |                                    |
| 690                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 80.0<br>7304.0<br>964.0<br>875.0    | 39.0<br>6660.0<br>1353.0<br>1980.0 | 57.0<br>4337.0<br>1088.0<br>1252.0 |                                    |
| 400                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 53.3<br>8400.0<br>1161.0<br>1560.0  | 24.0<br>7065.0<br>1651.0<br>2315.0 | 39.0<br>5119.0<br>1280.0<br>1392.0 | 31.6<br>2490.0<br>1250.0<br>1350.0 |
| 300                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 41.5<br>8720.0<br>1323.0<br>1740.0  | 18.5<br>7288.0<br>1842.0<br>2595.0 | 29.0<br>4266.0<br>1312.0<br>1420.0 | 24.4<br>2560.0<br>1400.0<br>1500.0 |
| 100                                               | Input horsepower<br>Output torque in LBS.<br>Input O.H.L<br>Output O.H.L | 17.0<br>10700.0<br>2018.0<br>2480.0 | 7.0<br>8005.0<br>2300.0<br>3540.0  | 13.0<br>6825.0<br>1957.0<br>1981.0 | 9.0<br>2830.0<br>2000.0<br>2200.0  |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE<br>A, B<br>C, D, E, F<br>G<br>GG                                   | 140.6<br>139.6<br>187.5<br>210.2    | 43.8<br>42.6<br>74.9<br>55.8       | 75.9<br>74.9<br>107.9<br>116.8     | 51.04<br>Consult<br>Factory        |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B<br>C, D, E, F<br>G<br>GG                                            | 140.6<br>139.6<br>187.5<br>210.2    | 153.3<br>152.3<br>263.2<br>195.2   | 109.3<br>107.9<br>155.5<br>168.3   | Consult<br>Factory                 |

## MODEL A80



### Attention

for continuous duty applications above 1000 rpm the capacity of these units may be limited by thermal considerations in these cases oil circulation and oil cooling may be required consult the factory for application assistance

### Note: Style G&GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.

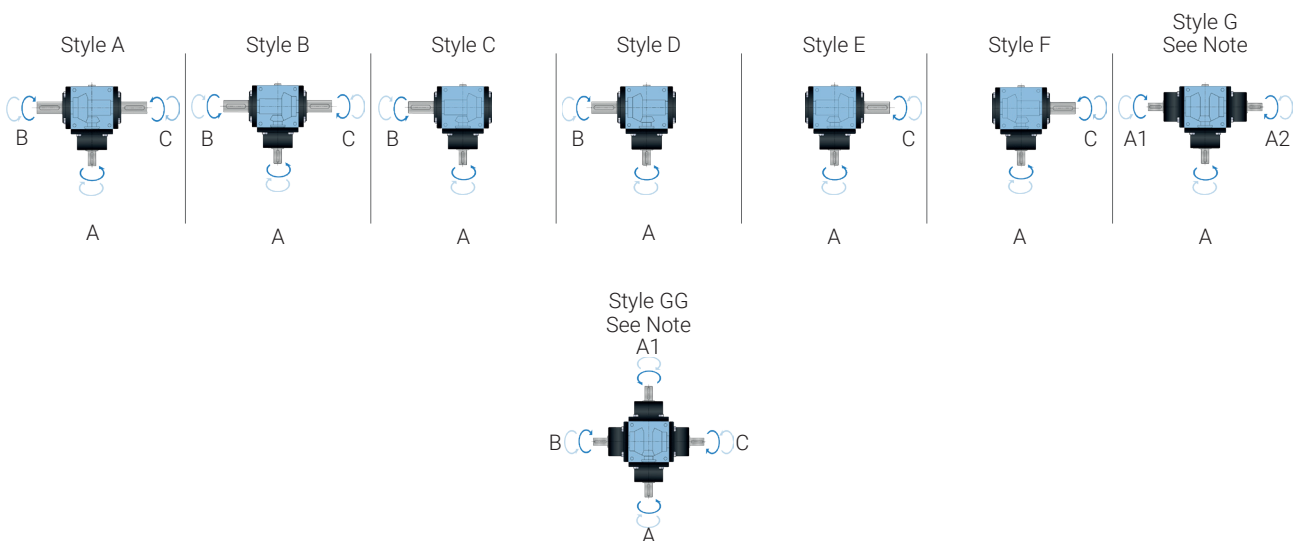
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B, C, D, E, F.....195 lbs.  
Styles G.....195 lbs.  
Styles GG.....225 lbs.

### Standart Styles Available



Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A80

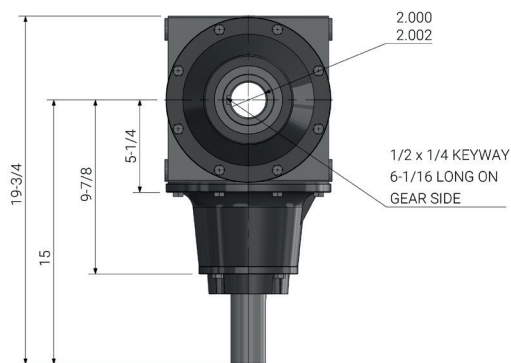
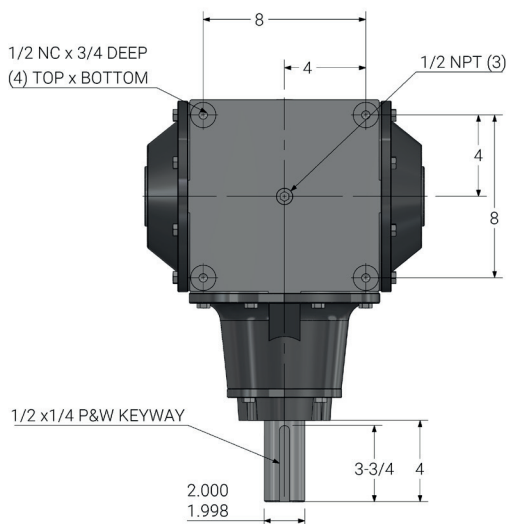
### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of six (6) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

Rating Table

| Input RPM                                         |                       | Reduction Ratios |           |           |           |         | Increaser Ratios |
|---------------------------------------------------|-----------------------|------------------|-----------|-----------|-----------|---------|------------------|
|                                                   |                       | 1:1 SP           | 1.3:1 SP  | 1.5:1 SP  | 2:1 SP    | 3:1 SP  | 1:1.5 SP         |
| 1750                                              | Input horsepower      | 251.00           | 195.00    | 173.00    | 123.90    | 55.80   | 232.40           |
|                                                   | Output torque in LBS. | 9039.00          | 9360.00   | 9350.00   | 8924.00   | 6028.00 | 5577.00          |
|                                                   | Input O.H.L.          | 820.00           | 400.00    | 100.00    | 130.00    | 140.00  | 764.00           |
|                                                   | Output O.H.L.         | 1398.00          | 1500.00   | 2100.00   | 2100.00   | 2100.00 | 681.00           |
| 1150                                              | Input horsepower      | 173.00           | 133.50    | 118.20    | 84.40     | 37.70   | 159.40           |
|                                                   | Output torque in LBS. | 9481.00          | 9750.00   | 9717.00   | 9251.00   | 6198.00 | 5821.00          |
|                                                   | Input O.H.L.          | 1178.00          | 500.00    | 385.00    | 433.00    | 455.00  | 1134.00          |
|                                                   | Output O.H.L.         | 2100.00          | 2100.00   | 2100.00   | 2100.00   | 2100.00 | 1385.00          |
| 850                                               | Input horsepower      | 131.50           | 101.20    | 89.50     | 63.80     | 28.40   | 121.10           |
|                                                   | Output torque in LBS. | 9750.00          | 10,002.00 | 9954.00   | 9461.00   | 6317.00 | 5985.00          |
|                                                   | Input O.H.L.          | 1493.00          | 750.00    | 665.00    | 748.00    | 780.00  | 1449.00          |
|                                                   | Output O.H.L.         | 2100.00          | 2100.00   | 2100.00   | 2100.00   | 2100.00 | 1958.00          |
| 690                                               | Input horsepower      | 108.60           | 83.50     | 73.80     | 52.50     | 23.30   | 100.10           |
|                                                   | Output torque in LBS. | 9920.00          | 10,167.00 | 10,111.00 | 9591.00   | 6384.00 | 6091.00          |
|                                                   | Input O.H.L.          | 1737.00          | 1100.00   | 902.00    | 994.00    | 1000.00 | 1674.00          |
|                                                   | Output O.H.L.         | 2100.00          | 2100.00   | 2100.00   | 2100.00   | 2100.00 | 2100.00          |
| 400                                               | Input horsepower      | 65.60            | 49.90     | 44.30     | 31.40     | 13.90   | 60.40            |
|                                                   | Output torque in LBS. | 10,320.00        | 10,480.00 | 10,470.00 | 9895.00   | 6570.00 | 6341.00          |
|                                                   | Input O.H.L.          | 1850.00          | 1700.00   | 1635.00   | 1745.00   | 1850.00 | 1850.00          |
|                                                   | Output O.H.L.         | 2100.00          | 2100.00   | 2100.00   | 2100.00   | 2100.00 | 2100.00          |
| 300                                               | Input horsepower      | 50.20            | 38.10     | 33.70     | 23.80     | 10.60   | 46.10            |
|                                                   | Output torque in LBS. | 10,546.00        | 10,670.00 | 10,620.00 | 10,000.00 | 6680.00 | 6606.00          |
|                                                   | Input O.H.L.          | 1850.00          | 1850.00   | 1850.00   | 1850.00   | 1850.00 | 1850.00          |
|                                                   | Output O.H.L.         | 2100.00          | 2100.00   | 2100.00   | 2100.00   | 2100.00 | 2100.00          |
| 100                                               | Input horsepower      | 18.50            | 13.10     | 11.80     | 8.30      | 3.70    | 16.20            |
|                                                   | Output torque in LBS. | 11,659.00        | 11,005.00 | 11,130.00 | 10,462.00 | 6995.00 | 6815.00          |
|                                                   | Input O.H.L.          | 1850.00          | 1850.00   | 1850.00   | 1850.00   | 1850.00 | 1850.00          |
|                                                   | Output O.H.L.         | 2100.00          | 2100.00   | 2100.00   | 2100.00   | 2100.00 | 2100.00          |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE                 | 281              | 96        | 105       | 68        | 31      | 111              |
|                                                   | A, B                  | 279              | 95        | 104       | 67        | 30      | 105              |
|                                                   | C, D, E, F            | 412              | 154       | 156       | 100       | 41      | 159              |
|                                                   | G                     |                  |           |           |           |         |                  |
|                                                   | GG                    | 419              | 124       | 152       | 101       | 48      | 168              |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B                  | 281              | 170       | 235       | 272       | 274     | 250              |
|                                                   | C, D, E, F            | 279              | 168       | 233       | 270       | 272     | 236              |
|                                                   | G                     | 412              | 273       | 351       | 398       | 367     | 357              |
|                                                   |                       |                  |           |           |           |         |                  |
|                                                   | GG                    | 419              | 220       | 342       | 405       | 436     | 379              |

## MODEL A800

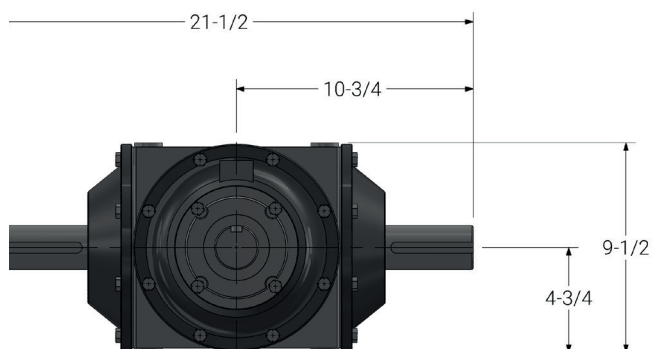


### Attention

for continuous duty applications above 1000 rpm the capacity of these units may be limited by thermal considerations in these cases oil circulation and oil cooling may be required consult the factory for application assistance

### Note: Style GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.



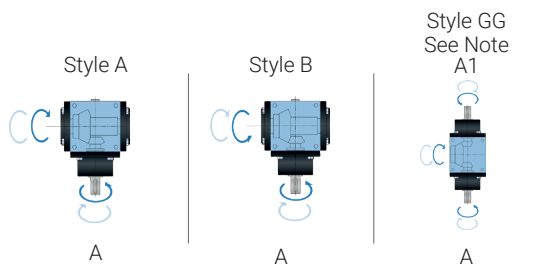
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B.....175 lbs.  
Styles GG.....225 lbs.

### Standart Styles Available

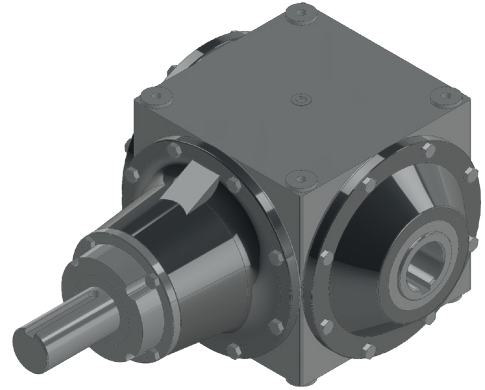


Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A800

### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of five (5) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

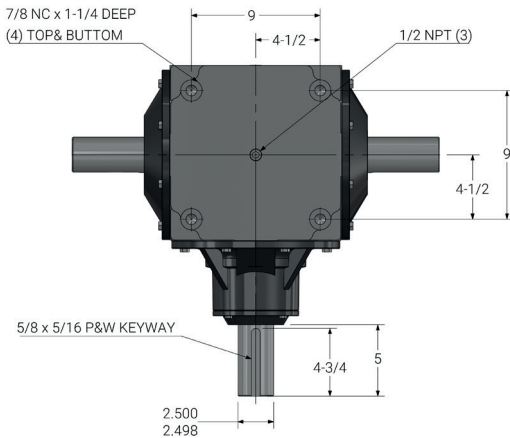


MODEL A800

**Rating Table**

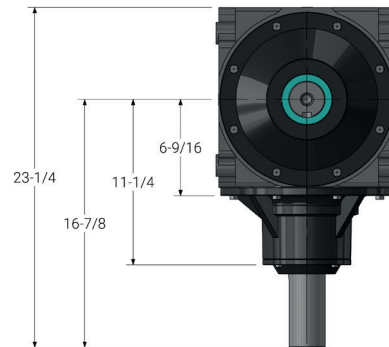
| Input RPM                                         |                       | Reduction Ratios |           |           |         |           |
|---------------------------------------------------|-----------------------|------------------|-----------|-----------|---------|-----------|
|                                                   |                       | 1:1 SP           | 1.3:1 SP  | 1.5:1 SP  | 3:1 SP  | 2:1 SP    |
| 1750                                              | Input horsepower      | 251.00           | 195.00    | 173.10    | 55.80   | 123.90    |
|                                                   | Output torque in LBS. | 9039.00          | 9360.00   | 9350.00   | 6028.00 | 8924.00   |
|                                                   | Input O.H.L           | 820.00           | 400.00    | 100.00    | 140.00  | 130.00    |
|                                                   | Output O.H.L          |                  |           |           |         |           |
| 1150                                              | Input horsepower      | 173.00           | 133.50    | 118.20    | 37.70   | 84.40     |
|                                                   | Output torque in LBS. | 9481.00          | 9750.00   | 9717.00   | 6198.00 | 9251.00   |
|                                                   | Input O.H.L           | 1178.00          | 500.00    | 385.00    | 455.00  | 433.00    |
|                                                   | Output O.H.L          |                  |           |           |         |           |
| 850                                               | Input horsepower      | 131.50           | 101.20    | 89.50     | 28.40   | 63.80     |
|                                                   | Output torque in LBS. | 9750.00          | 10,002.00 | 9954.00   | 6317.00 | 9461.00   |
|                                                   | Input O.H.L           | 1493.00          | 750.00    | 665.00    | 780.00  | 748.00    |
|                                                   | Output O.H.L          |                  |           |           |         |           |
| 690                                               | Input horsepower      | 108.60           | 83.50     | 73.80     | 23.30   | 52.50     |
|                                                   | Output torque in LBS. | 9920.00          | 10,167.00 | 10,111.00 | 6384.00 | 9591.00   |
|                                                   | Input O.H.L           | 1737.00          | 1100.00   | 902.00    | 1000.00 | 994.00    |
|                                                   | Output O.H.L          |                  |           |           |         |           |
| 400                                               | Input horsepower      | 65.60            | 49.90     | 44.30     | 13.90   | 31.40     |
|                                                   | Output torque in LBS. | 10,320.00        | 10,480.00 | 10,470.00 | 6570.00 | 9895.00   |
|                                                   | Input O.H.L           | 1850.00          | 1700.00   | 1635.00   | 1850.00 | 1745.00   |
|                                                   | Output O.H.L          |                  |           |           |         |           |
| 300                                               | Input horsepower      | 50.20            | 38.10     | 33.70     | 10.60   | 23.80     |
|                                                   | Output torque in LBS. | 10,546.00        | 10,670.00 | 10,620.00 | 6680.00 | 10,000.00 |
|                                                   | Input O.H.L           | 1850.00          | 1850.00   | 1850.00   | 1850.00 | 1850.00   |
|                                                   | Output O.H.L          |                  |           |           |         |           |
| 100                                               | Input horsepower      | 18.50            | 13.10     | 11.80     | 3.70    | 8.30      |
|                                                   | Output torque in LBS. | 11,659.00        | 11,005.00 | 11,130.00 | 6995.00 | 10,462.00 |
|                                                   | Input O.H.L           | 1850.00          | 1850.00   | 1850.00   | 1850.00 | 1850.00   |
|                                                   | Output O.H.L          |                  |           |           |         |           |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE<br>A, B         | 249.8            | 104.4     | 108.5     | 32.2    | 65.9      |
|                                                   | GG                    | 388.4            | 132.6     | 154.5     | 44.3    | 96.8      |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B                  | 249.8            | 184.7     | 244.1     | 289.5   | 263.7     |
|                                                   | GG                    | 388.4            | 234.5     | 347.6     | 398.7   | 387.1     |

## MODEL A9



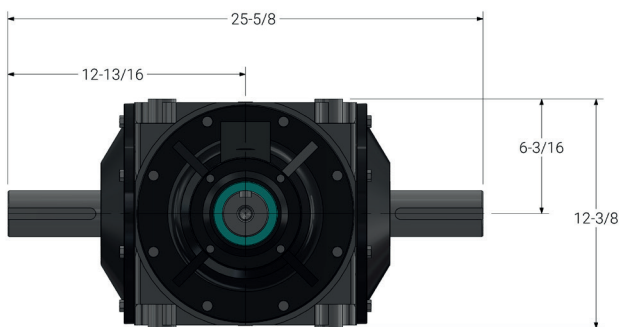
## Attention

for continuous duty applications above 1000 rpm the capacity of these units may be limited by thermal considerations in these cases oil circulation and oil cooling may be required consult the factory for application assistance



**Note: Style GG**

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.



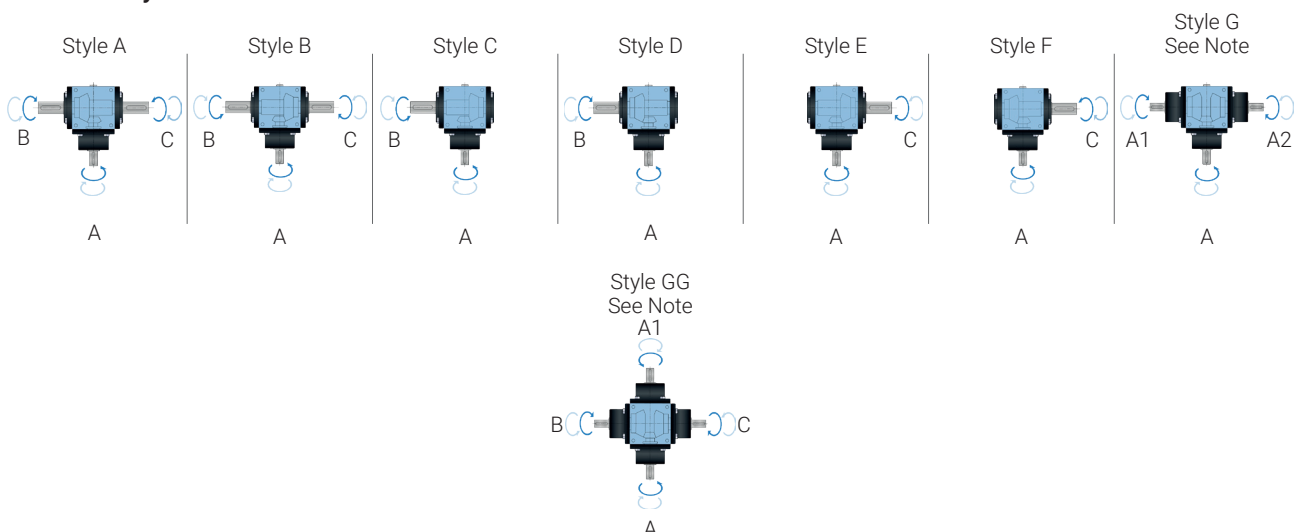
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B, C, D, E, F.....300 lbs.  
 Styles G.....315 lbs. Styles GG  
 .....330 lbs.

## Standart Styles Avaible

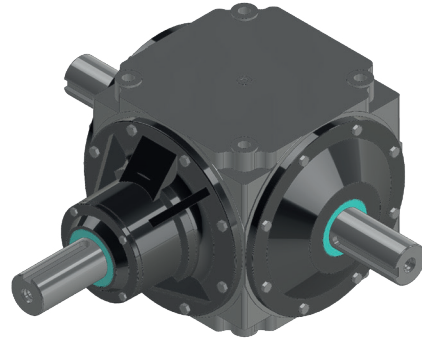


Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A9

### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of six (6) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.

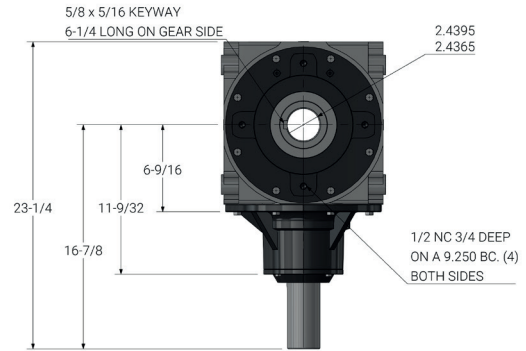
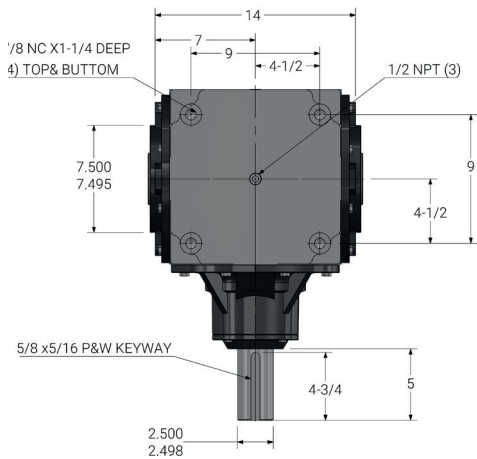


MODEL A9

**Rating Table**

| Input RPM                                         |                       | Reduction Ratios |              |           |           |           |           |
|---------------------------------------------------|-----------------------|------------------|--------------|-----------|-----------|-----------|-----------|
|                                                   |                       | 1:1 (8") SP      | 1:1 (10") SP | 1.33:1 SP | 1.5:1 SP  | 2:1 SP    | 3:1 SP    |
| 3000                                              | Input horsepower      | 296.00           | 380.00       | 246.00    | 196.00    | 224.00    | 118.00    |
|                                                   | Output torque in LBS. | 10,680.00        | 13,685.00    | 11,821.00 | 10,591.00 | 16,148.00 | 12,749.00 |
|                                                   | Input O.H.L           | 118.00           | 177.00       | 104.00    | 109.00    | 102.00    | 117.00    |
|                                                   | Output O.H.L          | 396.00           | 155.00       | 657.00    | 1284.00   | 579.00    | 2217.00   |
| 2400                                              | Input horsepower      | 203.50           | 261.00       | 168.00    | 134.00    | 155.00    | 79.00     |
|                                                   | Output torque in LBS. | 11,148.00        | 14,304.00    | 12,278.00 | 11,005.00 | 16,931.00 | 13,051.00 |
|                                                   | Input O.H.L           | 238.00           | 391.00       | 209.00    | 213.00    | 196.00    | 236.00    |
|                                                   | Output O.H.L          | 816.00           | 570.00       | 1009.00   | 1692.00   | 960.00    | 2805.00   |
| 1750                                              | Input horsepower      | 154.70           | 199.00       | 128.00    | 102.00    | 116.00    | 60.00     |
|                                                   | Output torque in LBS. | 11,466.00        | 14,755.00    | 12,694.00 | 11,347.00 | 17,180.00 | 13,363.00 |
|                                                   | Input O.H.L           | 296.00           | 570.00       | 319.00    | 326.00    | 250.00    | 292.00    |
|                                                   | Output O.H.L          | 1185.00          | 918.00       | 1244.00   | 1980.00   | 1199.00   | 3216.00   |
| 1150                                              | Input horsepower      | 127.80           | 164.50       | 106.00    | 85.00     | 97.00     | 49.00     |
|                                                   | Output torque in LBS. | 11,670.00        | 15,025.00    | 12,900.00 | 11,551.00 | 17,584.00 | 13,521.00 |
|                                                   | Input O.H.L           | 437.00           | 714.00       | 396.00    | 391.00    | 340.00    | 392.00    |
|                                                   | Output O.H.L          | 1473.00          | 1197.00      | 1297.00   | 2081.00   | 1290.00   | 3591.00   |
| 850                                               | Input horsepower      | 77.20            | 99.70        | 63.00     | 50.00     | 57.00     | 30.00     |
|                                                   | Output torque in LBS. | 12,160.00        | 15,709.00    | 13,270.00 | 11,893.00 | 18,000.00 | 14,197.00 |
|                                                   | Input O.H.L           | 872.00           | 1153.00      | 759.00    | 777.00    | 532.00    | 713.00    |
|                                                   | Output O.H.L          | 2354.00          | 2050.00      | 2137.00   | 3001.00   | 1905.00   | 4200.00   |
| 690                                               | Input horsepower      | 59.00            | 76.30        | 48.00     | 39.00     | 44.00     | 22.50     |
|                                                   | Output torque in LBS. | 12,390.00        | 16,029.00    | 13,453.00 | 12,057.00 | 18,479.00 | 14,267.00 |
|                                                   | Input O.H.L           | 1148.00          | 1431.00      | 911.00    | 932.00    | 692.00    | 910.00    |
|                                                   | Output O.H.L          | 2911.00          | 2594.00      | 2594.00   | 3475.00   | 2668.00   | 4200.00   |
| 300                                               | Input horsepower      | 21.00            | 27.00        | 17.00     | 14.00     | 16.00     | 7.70      |
|                                                   | Output torque in LBS. | 13,230.00        | 17,017.00    | 14,184.00 | 13,087.00 | 20,281.00 | 14,600.00 |
|                                                   | Input O.H.L           | 2495.00          | 2813.00      | 1012.00   | 1079.00   | 820.00    | 1236.00   |
|                                                   | Output O.H.L          | 4200.00          | 4200.00      | 4200.00   | 4200.00   | 4200.00   | 4200.00   |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE                 | 422.5            | 691.7        | 181.6     | 176.9     | 152.2     | 95.9      |
|                                                   | A, B                  | 416.2            | 685.5        | 178.0     | 174.2     | 150.6     | 95.2      |
|                                                   | GG                    | 614.1            | 1018.2       | 264.4     | 270.6     | 229.9     | 135.4     |
|                                                   |                       | 627.1            | 1031.1       | 266.4     | 249.0     | 220.4     | 149.5     |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B                  | 422.5            | 691.7        | 321.2     | 398.1     | 608.6     | 862.8     |
|                                                   |                       | 416.2            | 685.5        | 315.0     | 391.9     | 602.4     | 856.6     |
|                                                   | GG                    | 614.1            | 1018.2       | 467.6     | 608.8     | 919.6     | 1218.2    |
|                                                   |                       | 627.1            | 1031.1       | 471.2     | 560.4     | 881.4     | 1345.2    |

## MODEL A90

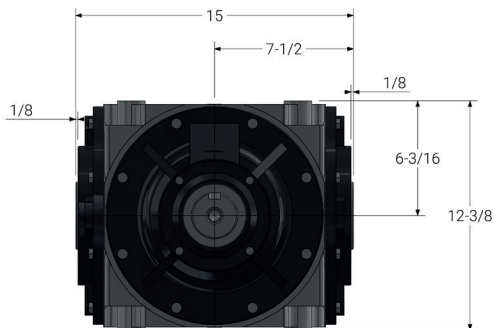


### Attention

for continuous duty applications above 1000 rpm the capacity of these units may be limited by thermal considerations in these cases oil circulation and oil cooling may be required consult the factory for application assistance

### Note: Style GG

1. Dimensions for shafts A and A1 are identical for all ratios.
2. Centerline to end of shaft dimensions will vary. Request certified dimensional prints.



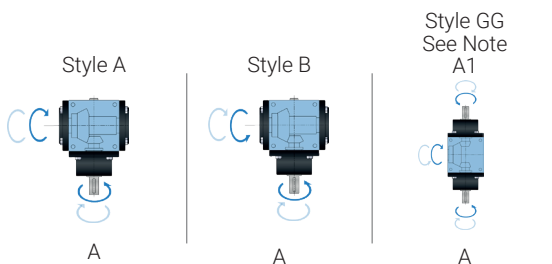
For Lubrication and installation instructions refer to section M.

Dimensions shown are for reference only.

### Dry Shipping Weights

Styles A, B.....305 lbs.  
Styles GG.....330 lbs.

### Standart Styles Available

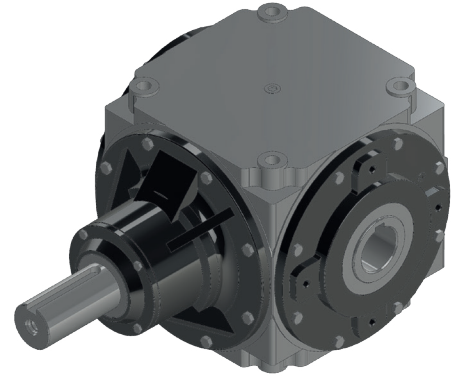


Consult factory for vertical shaft lubrication recommendations input shaft can be rotated in either direction.

## MODEL A90

### Features

- GGG – 40 Housing material.
- All shaft hardened and grinding.
- Precision ball bearings to accommodate higher operating speeds.
- Choice of four (4) gear ratios.
- For different ratios please ask Mecmot.
- All gears are of the spiral bevel type, provides high torque transmission and quiet operation.
- Heavy-duty industrial seals to keep lubricant in and dirt out.



Rating Table

| Input RPM                                         |                       | Reduction Ratios |           |           |           |
|---------------------------------------------------|-----------------------|------------------|-----------|-----------|-----------|
|                                                   |                       | 1:1 SP           | 1.5:1 SP  | 2:1 SP    | 3:1 SP    |
| 1750                                              | Input horsepower      | 380.00           | 196.00    | 224.00    | 118.00    |
|                                                   | Output torque in LBS. | 13,685.00        | 10,594.00 | 16,148.00 | 12,749.00 |
|                                                   | Input O.H.L           | 177.00           | 109.00    | 102.00    | 117.00    |
|                                                   | Output O.H.L          |                  |           |           |           |
| 1150                                              | Input horsepower      | 261.00           | 134.00    | 155.00    | 79.00     |
|                                                   | Output torque in LBS. | 14,304.00        | 11,005.00 | 16,931.00 | 13,051.00 |
|                                                   | Input O.H.L           | 391.00           | 213.00    | 196.00    | 236.00    |
|                                                   | Output O.H.L          |                  |           |           |           |
| 850                                               | Input horsepower      | 199.00           | 102.00    | 116.00    | 60.00     |
|                                                   | Output torque in LBS. | 14,755.00        | 11,347.00 | 17,180.00 | 13,363.00 |
|                                                   | Input O.H.L           | 570.00           | 326.00    | 250.00    | 292.00    |
|                                                   | Output O.H.L          |                  |           |           |           |
| 690                                               | Input horsepower      | 164.50           | 85.00     | 97.00     | 49.00     |
|                                                   | Output torque in LBS. | 15,025.00        | 11,551.00 | 17,584.00 | 13,521.00 |
|                                                   | Input O.H.L           | 714.00           | 391.00    | 340.00    | 392.00    |
|                                                   | Output O.H.L          |                  |           |           |           |
| 400                                               | Input horsepower      | 99.70            | 50.00     | 57.00     | 30.00     |
|                                                   | Output torque in LBS. | 15,709.00        | 11,843.00 | 18,000.00 | 14,197.00 |
|                                                   | Input O.H.L           | 1153.00          | 777.00    | 532.00    | 713.00    |
|                                                   | Output O.H.L          |                  |           |           |           |
| 300                                               | Input horsepower      | 76.30            | 39.00     | 44.00     | 22.50     |
|                                                   | Output torque in LBS. | 16,029.00        | 12,057.00 | 18,479.00 | 14,267.00 |
|                                                   | Input O.H.L           | 1431.00          | 932.00    | 692.00    | 910.00    |
|                                                   | Output O.H.L          |                  |           |           |           |
| 100                                               | Input horsepower      | 27.00            | 14.00     | 16.00     | 7.70      |
|                                                   | Output torque in LBS. | 17,017.00        | 13,087.00 | 20,281.00 | 14,600.00 |
|                                                   | Input O.H.L           | 2813.00          | 1079.00   | 820.00    | 1236.00   |
|                                                   | Output O.H.L          |                  |           |           |           |
| WR2 (Lb In 2)<br>referred to high<br>speed shaft. | STYLE<br>A, B         | 739.20           | 194.00    | 161.30    | 100.20    |
|                                                   | GG                    | 1078.50          | 266.00    | 229.60    | 153.70    |
| WR2 (Lb In 2)<br>referred to low<br>speed shaft.  | A, B                  | 739.20           | 436.40    | 645.40    | 901.70    |
|                                                   | GG                    | 1078.50          | 598.60    | 918.20    | 1384.10   |



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