



# ARROW STANDARD SPIRAL BEVEL GEARS

## PRICE LIST

EFFECTIVE JANUARY 1, 2017

| ARROW STANDARD NUMBER |           | OUTSIDE DIAMETER |       | QUANTITY - PRICE PER SET |         |         |
|-----------------------|-----------|------------------|-------|--------------------------|---------|---------|
| Pinion                | Gear      | Pinion           | Gear  | 1 or 2                   | 3 to 5  | 6 to 10 |
| <b>1 TO 1 RATIO</b>   |           |                  |       |                          |         |         |
| 18P18L18              | 18P18R18  | 1.06             | 1.06  | 250.00                   | 196.00  | 172.00  |
| 12P18L18              | 12P18R18  | 1.60             | 1.60  | 280.00                   | 212.00  | 197.00  |
| 10P20L20              | 10P20R20  | 2.12             | 2.12  | 356.00                   | 267.00  | 240.00  |
| 8P20L20               | 8P20R20   | 2.59             | 2.59  | 409.00                   | 311.00  | 280.00  |
| 7P21L21               | 7P21R21   | 3.10             | 3.10  | 459.00                   | 342.00  | 309.00  |
| 6P21L21               | 6P21R21   | 3.66             | 3.66  | 501.00                   | 377.00  | 342.00  |
| 6P24L24               | 6P24R24   | 4.10             | 4.10  | 584.00                   | 436.00  | 391.00  |
| 5P25L25               | 5P25R25   | 5.17             | 5.17  | 794.00                   | 566.00  | 520.00  |
| 45P27L27              | 45P27R27  | 6.20             | 6.20  | 1091.00                  | 795.00  | 710.00  |
| 4P28L28               | 4P28R28   | 7.23             | 7.23  | 1298.00                  | 934.00  | 863.00  |
| 4P32L32               | 4P32R32   | 8.20             | 8.20  | 1599.00                  | 1175.00 | 1046.00 |
| 35P35L35              | 35P35R35  | 10.26            | 10.26 | 2124.00                  | 1495.00 | 1372.00 |
| 3P36L36               | 3P36R36   | 12.30            | 12.30 | 2563.00                  | 1828.00 | 1651.00 |
| 257P36L36             | 257P36R36 | 14.37            | 14.37 | 4637.00                  | 3236.00 | 2891.00 |
| 225P36L36             | 225P36R36 | 16.43            | 16.43 | 6646.00                  | 4662.00 | 4188.00 |
| <b>2 TO 1 RATIO</b>   |           |                  |       |                          |         |         |
| 10P32L16              | 10P16R32  | 1.76             | 3.20  | 396.00                   | 291.00  | 274.00  |
| 9P34L17               | 9P17R34   | 2.09             | 3.78  | 472.00                   | 356.00  | 321.00  |
| 8P36L18               | 8P18R36   | 2.46             | 4.51  | 580.00                   | 424.00  | 382.00  |
| 7P38L19               | 7P19R38   | 2.97             | 5.46  | 701.00                   | 535.00  | 485.00  |
| 6P40L20               | 6P20R40   | 3.62             | 6.70  | 967.00                   | 696.00  | 640.00  |
| 5P40L20               | 5P20R40   | 4.40             | 8.05  | 1300.00                  | 980.00  | 882.00  |
| 4P40L20               | 4P20R40   | 5.44             | 9.99  | 1621.00                  | 1198.00 | 1069.00 |
| 35P42L21              | 35P21R42  | 6.52             | 12.07 | 2147.00                  | 1549.00 | 1426.00 |
| 320P46L23             | 320P23R46 | 7.76             | 14.41 | 3748.00                  | 2821.00 | 2547.00 |
| <b>3 TO 1 RATIO</b>   |           |                  |       |                          |         |         |
| 10P45L15              | 10P15R45  | 1.72             | 4.49  | 453.00                   | 329.00  | 315.00  |
| 8P45L15               | 8P15R45   | 2.15             | 5.63  | 666.00                   | 458.00  | 442.00  |
| 7P45L15               | 7P15R45   | 2.46             | 6.44  | 768.00                   | 582.00  | 527.00  |
| 6P45L15               | 6P15R45   | 2.88             | 7.51  | 985.00                   | 716.00  | 666.00  |
| 55P48L16              | 55P16R48  | 3.28             | 8.73  | 1238.00                  | 899.00  | 841.00  |
| 5P48L16               | 5P16R48   | 3.61             | 9.63  | 1516.00                  | 1104.00 | 997.00  |
| 45P51L17              | 45P17R51  | 4.24             | 11.36 | 1750.00                  | 1267.00 | 1168.00 |
| 4P54L18               | 4P18R54   | 5.02             | 13.52 | 2313.00                  | 1655.00 | 1515.00 |
| 338P54L18             | 338P18R54 | 5.96             | 16.02 | 4662.00                  | 3588.00 | 3189.00 |
| <b>3 TO 2 RATIO</b>   |           |                  |       |                          |         |         |
| 8P24L16               | 8P16R24   | 2.17             | 3.04  | 651.00                   | 466.00  | 419.00  |
| 7P24L16               | 7P16R24   | 2.51             | 3.50  | 675.00                   | 507.00  | 445.00  |
| 6P24L16               | 6P16R24   | 2.93             | 4.07  | 750.00                   | 560.00  | 521.00  |
| 6P30L20               | 6P20R30   | 3.58             | 5.07  | 843.00                   | 601.00  | 555.00  |
| 5P30L20               | 5P20R30   | 4.29             | 6.08  | 973.00                   | 689.00  | 642.00  |
| 5P36L24               | 5P24R36   | 5.09             | 7.28  | 1432.00                  | 1022.00 | 930.00  |
| 45P39L26              | 45P26R39  | 6.07             | 8.72  | 1790.00                  | 1310.00 | 1192.00 |
| 4P42L28               | 4P28R42   | 7.36             | 10.59 | 2045.00                  | 1503.00 | 1377.00 |
| 35P45L30              | 35P30R45  | 8.96             | 12.94 | 2740.00                  | 1947.00 | 1749.00 |
| 290P45L30             | 290P30R45 | 10.91            | 15.64 | 5294.00                  | 4098.00 | 3683.00 |
| <b>4 TO 3 RATIO</b>   |           |                  |       |                          |         |         |
| 8P28L21               | 8P21R28   | 2.80             | 3.55  | 507.00                   | 459.00  | 419.00  |
| 7P28L21               | 7P21R28   | 3.19             | 4.07  | 820.00                   | 579.00  | 545.00  |
| 6P32L24               | 6P24R32   | 4.22             | 5.38  | 982.00                   | 708.00  | 655.00  |
| 5P32L24               | 5P24R32   | 5.05             | 6.50  | 1353.00                  | 980.00  | 881.00  |
| 4P32L24               | 4P24R32   | 6.29             | 8.08  | 1947.00                  | 1447.00 | 1341.00 |
| 35P36L27              | 35P27R36  | 8.11             | 10.43 | 2522.00                  | 1863.00 | 1681.00 |
| 3P36L27               | 3P27R36   | 9.42             | 12.15 | 2912.00                  | 2100.00 | 1877.00 |

THE ABOVE PRICES ARE NET. PRICES ON LARGER QUANTITIES ARE AVAILABLE ON APPLICATION.

|                                  |           | QUANTITY - PRICE PER SET |        |         |                        |
|----------------------------------|-----------|--------------------------|--------|---------|------------------------|
| Pinion                           | Gear      | 1 or 2                   | 3 to 5 | 6 to 10 | 10 to 15               |
| <b>1 TO 1 RATIO GROUND TOOTH</b> |           |                          |        |         |                        |
| 35GT35L35                        | 35GT35R35 | 2563.00                  |        |         |                        |
| 40GT35L35                        | 40GT35R35 | 2652.00                  |        |         | PRICE UPON APPLICATION |
| 50GT35L35                        | 50GT35R35 | 2767.00                  |        |         |                        |
| 60GT35L35                        | 60GT35R35 | 2963.00                  |        |         |                        |
| <b>2 TO 1 RATIO GROUND TOOTH</b> |           |                          |        |         |                        |
| 45GT46L23                        | 45GT23R46 | 2785.00                  |        |         | PRICE UPON APPLICATION |
| 54GT40L20                        | 54GT20R40 | 2963.00                  |        |         |                        |
| 67GT46L23                        | 67GT23R46 | 3062.00                  |        |         |                        |

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**APPLICATION ENGINEERING INFORMATION**

Company \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Telephone \_\_\_\_\_ Best Time to Call \_\_\_\_\_

1. QUANTITY: Prototype \_\_\_\_\_ Production \_\_\_\_\_

2. APPLICATION \_\_\_\_\_

3. RATIO: Approx. \_\_\_\_\_ Exact \_\_\_\_\_ Reducer  Increaser

Reversing: Yes  No

4. RATING: Normal Input HP \_\_\_\_\_ @RPM \_\_\_\_\_ Torque \_\_\_\_\_

Maximum Input HP \_\_\_\_\_ @RPM \_\_\_\_\_ Torque \_\_\_\_\_

5. TYPE OF LOAD: Uniform  Med. Shock  Hi Shock

Prime Mover \_\_\_\_\_

**GEAR DATA**

Type:

Spiral Bevel Pitch \_\_\_\_\_

Zerol Bevel No. of Teeth \_\_\_\_\_

Straight Bevel Pr. Angle \_\_\_\_\_

Hypoid Spiral Angle \_\_\_\_\_

Spur Shaft Angle \_\_\_\_\_

Helical AGMA Class \_\_\_\_\_

Other Material \_\_\_\_\_

Part No. \_\_\_\_\_

**ENCLOSED DRIVES**

Shaft Requirements:

Parallel  Intersect  Skew

Angle \_\_\_\_\_

Other \_\_\_\_\_

Duty Cycle \_\_\_\_\_

B10 Life \_\_\_\_\_ hrs

Overhung Load \_\_\_\_\_

Type of Lub. \_\_\_\_\_

6. Size Limitations \_\_\_\_\_

**7. IT IS ESSENTIAL THAT YOU SEND ASSEMBLY PRINT OR SKETCH SHOWING**

a. Driving member and direction of rotation      d. Method of connecting the gearset to power source

b. Means of absorbing axial & radial gear loads      e. Size & mounting constraints

c. Provisions for adjusting backlash

8. STATE ANY UNUSUAL DESIGN PARAMETERS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



All prices F.O.B., Downers Grove, IL