

STRONG

& COMPACT



Spartan™ up to two-thirds lighter and one-third smaller than comparable cast iron units!

Spartan™ WORM GEAR DRIVES

What do you require to triumph over your competition? If your application requires a **compact** gear drive that delivers rugged performance without weighing you down or emptying your pockets, the **HUB CITY** Spartan™ is ready to help you take on the challenge.

Modular Design Flexibility - 0.183 thru 7.5 H.P. - Immediate Availability

High Tensile Strength Aluminum Alloy Housing - High Load Capacity Oversized Bearings

Motor/Gear Drive Package Incentives Available



Spartan™ WORM GEAR DRIVES

Choose Your Winning Combination...

Choose a Single or Double Reduction Unit



Single Reduction

Prefix: AL



Double Reduction Worm-Worm

Prefix: ALWW



Double Reduction Helical-Worm

Prefix: ALHW

Choose a Model Type and Output Style



Shaft Input, Shaft Output

Model Suffix: 1



Shaft Input, Hollow Bore

Model Suffix: 2



C-Face Input, Shaft Output

Model Suffix: 4



C-Face Input, Hollow Bore

Model Suffix: 5

For Single Reduction Model Types 1 & 4 Choose style A: Double Output, B: Left Output or C: Right Output
For Double Reduction styles, refer to **HUB CITY** Product Catalog.

Choose a Size and a Gear Ratio

| Model | Center Distance ¹ | | Output Dia. ³ | Input Dia. ⁴ | Motor Frame ⁵ | Ratio Range Available | | | | | | Weight (lbs.) |
|---|------------------------------|----|--------------------------|-------------------------|--------------------------|----------------------------|------|---------|----------------------------|------|---------|---------------|
| | Inch | MM | | | | Minimum Ratio ² | | | Maximum Ratio ² | | | |
| Single Reduction Worm Models | | | | | | | | (in.lb) | | | (in.lb) | |
| AL45* | 1.77 | 45 | 0.750 | 0.625 | 56C | 7 | 1.0 | 224 | 60 | 0.33 | 442 | 7 |
| AL50* | 1.97 | 50 | 1.000 | 0.625 | 56C | 7 | 2.0 | 454 | 60 | 0.33 | 449 | 9 |
| AL63* | 2.48 | 63 | 1.125 | 0.750 | 56C-140TC | 7 | 3.0 | 688 | 67 | 0.50 | 794 | 16 |
| AL85* | 3.35 | 85 | 1.500 | 0.875 | 56C-180TC | 7 | 7.5 | 1739 | 67 | 1.50 | 2458 | 40 |
| Double Reduction Worm-Worm Models | | | | | | | | | | | | |
| ALWW450* | 1.77 | 45 | .750 | 0.625 | 56C | 147 | 0.19 | 504 | 2220 | 0.03 | 504 | 13 |
| ALWW500* | 1.97 | 50 | 1.000 | 0.625 | 56C | 252 | 0.19 | 799 | 2220 | 0.05 | 757 | 14 |
| ALWW630* | 2.48 | 63 | 1.125 | 0.625 | 56C | 252 | 0.46 | 1935 | 2160 | 0.10 | 1935 | 22 |
| ALWW850* | 3.35 | 85 | 1.500 | 0.625 | 56C | 140 | 0.92 | 2690 | 1288 | 0.27 | 3784 | 47 |
| Double Reduction Helical-Worm Models | | | | | | | | | | | | |
| ALHW450* | 1.77 | 45 | .750 | 0.625 | 56C-140TC | 30.1 | 0.52 | 420 | 258.0 | 0.10 | 420 | 9 |
| ALHW500* | 1.97 | 50 | 1.000 | 0.625 | 56C-140TC | 30.1 | 0.72 | 589 | 258.0 | 0.14 | 589 | 11 |
| ALHW630* | 2.48 | 63 | 1.125 | 0.625 | 56C-140TC | 29.8 | 1.75 | 1387 | 309.5 | 0.26 | 1480 | 20 |
| ALHW850* | 3.35 | 85 | 1.500 | 0.625 | 56C-140TC | 59.7 | 2.22 | 3195 | 422.1 | 0.37 | 2943 | 47 |

* Specify Model Type 1, 2, 4 or 5 - See photos above

1 Center distance is the dimension between center lines of input and output shafts

2 Mechanical Rating (1.0 Service Factor) @ 1750 rpm input speed. Refer to Product Catalog for full list of available ratios.

3 Output Diameter applies to both shaft output and hollow bore diameter

4 Applies to Model Types 1 and 2 only (shaft input versions)

5 Applies to Model Types 2 and 5 only (C-face input versions)

Choose from available accessories: Horizontal Base Kit, Torque Arm Kit, Side Mounting Flange Kit, Long Side Mounting Kit and Shaft Cover Kit. Refer to **HUB CITY** Product Catalog for details.



A REGAL-BELOIT Company

2914 Industrial Avenue • P.O. Box 1089 • Aberdeen, SD 57402

Phone: (605) 225-0360 • Fax: (605) 225-0567

Email: sales@hubcityinc.com • www.hubcityinc.com