

# 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



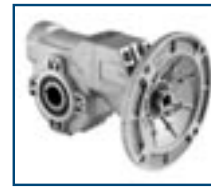
Single Reduction

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 <sup>1</sup>		Output Dia. <sup>3</sup>	Input Dia. <sup>4</sup>	Motor Frame <sup>5</sup>	Ratio Range Available						
	Inch	MM				Minimum Ratio <sup>2</sup>			Maximum Ratio <sup>2</sup>			
						Ratio to 1	Input HP	Output Torque	Ratio to 1	Input HP	Output Torque	Weight (lbs.)
<b>Single Reduction Worm Models</b>												
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
<b>Double Reduction Worm-Worm Models</b>												
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
<b>Double Reduction Helical-Worm Models</b>												
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



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