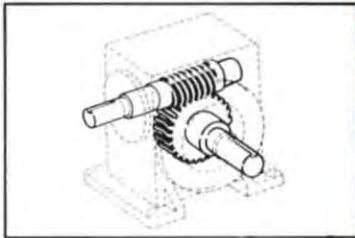


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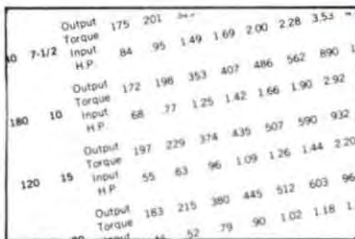
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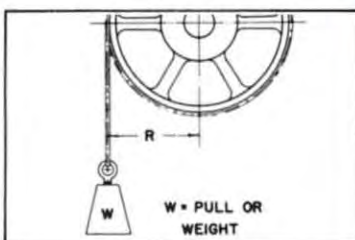
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13,000,000 STANDARD WORM GEAR SPEED REDUCERS

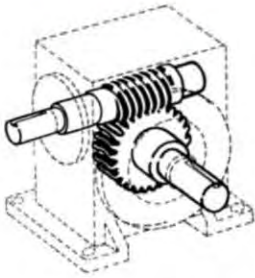
4 different reducer families
 45 basic types
 13,000,000 standard combinations

In the following pages WinSmith presents the most complete worm gear speed reducer product line available anywhere in the world. And if you don't find just what you want in this catalog, give us a call—we'll probably be able to make the reducer you're looking for.

If you aren't familiar with WinSmith we recommend that you follow pages 2 - 27 in sequence. A step-by-step selection process will lead you to the exact reducer for your application.

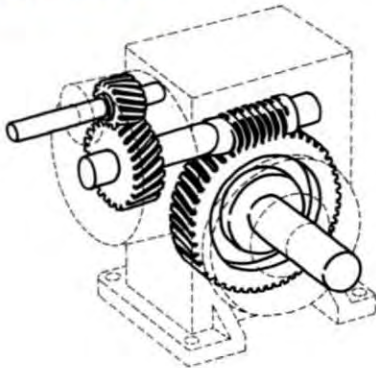
If you feel you know what you want go directly to the detailed product index starting on page 22.

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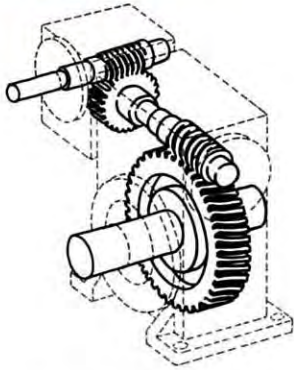
DOUBLE REDUCTION—WORM AND HELICAL GEAR



*Two designations – motorized unit with motor is pictured.

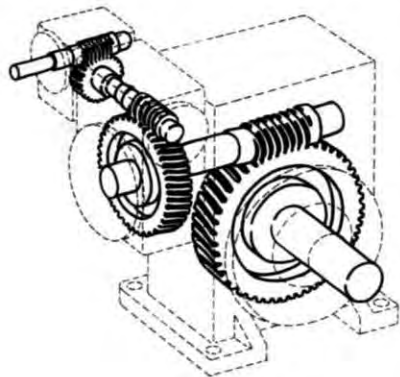
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**DOUBLE REDUCTION—
WORM GEAR**



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BASIC RATINGS

SINGLE REDUCTION

"C" SERIES

WORM GEAR REDUCER*



Input Horsepower Range at 1725 RPM:
.01 to 56.3
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
164 to 62113

WORM GEAR REDUCER — FAN COOLED



Input Horsepower Range at 1725 RPM:
.01 to 56.3
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
164 to 62113

MOTORIZED (NEMA "C" FLANGE) REDUCER AND GEARMOTOR*



Input Horsepower Range at 1725 RPM:
.01 to 16.89
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
164 to 10576

FAN COOLED AND MOTORIZED (NEMA "C" FLANGE) REDUCER D GEARMOTOR



Input Horsepower Range at 1725 RPM:
.01 to 16.89
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
164 to 10576

"S" SERIES (Hollow Output Shaft)

WORM GEAR REDUCER*



Input Horsepower Range at 1725 RPM:
.07 to 40.76
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
420 to 28752

WORM GEAR REDUCER — FAN COOLED*



Input Horsepower Range at 1725 RPM:
.07 to 40.76
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
420 to 28752

MOTORIZED (NEMA "C" FLANGE) REDUCER AND GEARMOTOR*



Input Horsepower Range at 1725 RPM:
.07 to 16.89
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
420 to 10576

FAN COOLED AND MOTORIZED (NEMA "C" FLANGE) REDUCER AND GEARMOTOR



Input Horsepower Range at 1725 RPM:
.07 to 16.89
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
420 to 10576

"L" SERIES (Drop Bearing Type)

WORM GEAR REDUCER*



Input Horsepower Range at 1725 RPM:
.09 to 40.76
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
770 to 28752

MOTORIZED (NEMA "C" FLANGE) REDUCER AND GEARMOTOR*



Input Horsepower Range at 1725 RPM:
.09 to 16.89
Ratio Range:
5:1 to 77:1
Max. Output Torque Range in in. lbs.:
770 to 10576

*Note: The energy efficient "D" line is available to replace "C" line units to 3". See section "D".

Basic ratings are presented here to help you narrow down your selection, and to make it easier to use the right size selection charts which follow immediately. You will find complete technical specifications, dimensions and ratings later on in the catalog. A complete index starts on page 24.

DOUBLE REDUCTION

"C" SERIES

DOUBLE WORM GEAR REDUCER*



Input Horsepower Range at 1725 RPM:
.03 to 16.38
Ratio Range:
50:1 to 3600:1
Max. Output Torque Range in in. lbs.:
400 to 68631

**DOUBLE WORM GEAR*
MOTORIZED (NEMA "C" FLANGE)
REDUCER AND GEARMOTOR**



Input Horsepower Range at 1725 RPM:
.03 to 16.38
Ratio Range:
50:1 to 3600:1
Max. Output Torque Range in in. lbs.:
400 to 68631

"S" SERIES (Hollow Output Shaft)

DOUBLE WORM GEAR REDUCER*



Input Horsepower Range at 1725 RPM:
.04 to 8.49
Ratio Range:
50:1 to 3600:1
Max. Output Torque Range in in. lbs.:
650 to 28584

**DOUBLE WORM GEAR*
MOTORIZED (NEMA "C" FLANGE)
REDUCER AND GEARMOTOR**



Input Horsepower Range at 1725 RPM:
.04 to 8.49
Ratio Range:
50:1 to 3600:1
Max. Output Torque Range in in. lbs.:
650 to 28584

"X" SERIES

HELICAL-WORM GEAR REDUCER



Input Horsepower Range at 1725 RPM:
.27 to 15.55
Ratio Range:
50:1 to 180:1
Max. Output Torque Range in in. lbs.:
1867 to 34200

"DBI" SERIES

**DOUBLE WORM GEAR,
PARALLEL SHAFT REDUCER**



Input Horsepower Range at 1725 RPM:
.04 to 8.75
Ratio Range:
25:1 to 3850:1
Max. Output Torque Range in in. lbs.:
146 to 34290

"L" SERIES (Drop Bearing Type)

DOUBLE WORM GEAR REDUCER*



Input Horsepower Range at 1725 RPM:
.17 to 8.49
Ratio Range:
50:1 to 3600:1
Max. Output Torque Range in in. lbs.:
1075 to 28584

**DOUBLE WORM GEAR*
MOTORIZED (NEMA "C" FLANGE)
REDUCER
AND
GEARMOTOR**



Input Horsepower Range at 1725 RPM:
.17 to 8.49
Ratio Range:
50:1 to 3600:1
Max. Output Torque Range in in. lbs.:
1075 to 28584

TRIPLE REDUCTION

"C" SERIES

TRIPLE WORM GEAR REDUCER



Input Horsepower Range at 1725 RPM:
.12 to 3.43
Ratio Range:
1000:1 to 180000:1
Max. Output Torque Range in in. lbs.:
2350 to 68743

**TRIPLE WORM GEAR
MOTORIZED (NEMA "C" FLANGE)
REDUCER AND GEARMOTOR**



Input Horsepower Range at 1725 RPM:
.12 to 3.43
Ratio Range:
1000:1 to 180000:1
Max. Output Torque Range in in. lbs.:
2350 to 68743

"S" SERIES (Hollow Output Shaft)

TRIPLE WORM GEAR REDUCER



Input Horsepower Range at 1725 RPM:
.12 to 2.13
Ratio Range:
1000:1 to 180000:1
Max. Output Torque Range in in. lbs.:
2350 to 28584

**TRIPLE WORM GEAR
MOTORIZED
REDUCER AND GEARMOTOR**



Input Horsepower Range at 1725 RPM:
.12 to 2.13
Ratio Range:
1000:1 to 180000:1
Max. Output Torque Range in in. lbs.:
2350 to 28584