

**LEESON 500 Series Gear Reducer Model Number Nomenclature**

All stock and custom 500 series reducers are identified by a model number. The model number appears on the nameplate and describes pertinent features of the reducer. An example follows, along with a listing of the various letters and positions used.

NOTE: All reducers also have a catalog number—for example W5180001. Reducers and renewal parts should be ordered by catalog number. If a stock reducer has been factory modified by the addition of an optional base for example, the modification number T518, for example, is stamped in the blank column of the nameplate. Accessories that are field installed will not be noted on the nameplate.

Catalog numbers 5000 (for example, W5185000) and higher are custom reducers manufactured for a specific application. The machinery or equipment manufacturer should be contacted for replacement reducers. Renewal parts can be ordered from LEESON by catalog number.

**TYPICAL NAMEPLATE**

<b>LEESON</b>		<b>HYDRO • MEC</b>	
MAX INPUT HP @ 1750 RPM	0.100	OUTPUT TORQUE (IN-LBS)	420
DESC.	DXMQ518258L5612	RATIO	258:1
CATALOG NO.		DATE CODE	A04
LEESON ELECTRIC SCHAFFNER, WISCONSIN 53084		MOD	



**SOLID OUTPUT SHAFT**  
DXMQ – Motorized, Quill Input  
DX – Non-Flanged  
See pages 120-121 for other styles.

**HOLLOW OUTPUT SHAFT**  
DXHMQ – Motorized, Quill Input  
DXH – Non-Flanged  
See pages 120-121 for other styles.

See Selection Tables on pages 123-124 for all available ratios

- L – Left-hand Output Shaft\*
  - R – Right-hand Output Shaft\*
  - D – Double Output Shaft
  - H – Hollow Output Shaft
- \* Viewed from drive end of reducer.

**OUTPUT SHAFT DIMENSION CODE ▲**

Series	NEMA/Inch Options		IEC/Metric Options	
	Shaft Dia.	Shaft* Code	Shaft Dia.	Shaft Code
518	3/4"	12	18mm	18
520	1"	16	25mm	25
525	1-1/8"	18	25mm	25
534	1-1/2"	24	35mm	35

\*Shaft Diameter in 1/16ths of an inch.

▲ Diameters and shaft codes of hollow bore styles are identical to those of solid shaft styles. Reducers with NEMA inputs will have inch dimensioned output shafts and reducers with IEC inputs will have metric dimensioned output shafts as standard.

**ALUMINUM 500 SERIES CENTER DISTANCES**

Series	Center Distance	
	(Inches)	(mm)
518	1.77	45
520	1.97	50
525	2.48	63
534	3.35	85

NEMA Input Flange Code	For NEMA Frame
56	56C
140	143-5TC
IEC Input Flange Code	For IEC Frame
63B14	63B14
63B5	63B5
71B14	71B14
71B5	71B5
80B14	80B14
80B5	80B5
90B14	90B14
90B5	90B5

**Sample Model Number**

**Solid Shaft**

Motorized Quill Input, Double Reduction Reducer, 1.77" Center Distance, 258:1 Ratio, Left Hand Output Shaft, and 5/8" Input Bore with NEMA 56C Flange.

**DXMQ 518 258 L 56 12**  
Style Series Ratio Output Shaft Motor Input Shaft Code

**Hollow Shaft**

Motorized Quill Input, Double Reduction Reducer, 1.77" Center Distance, 258:1 Ratio, 3/4" Hollow Output Shaft, and 5/8" Input Bore with NEMA 56C Flange.

**DXHMQ 518 258 H 56 12**  
Style Series Ratio Output Shaft Motor Input Shaft Code

Bravo® Helical / Worm Double Reduction