

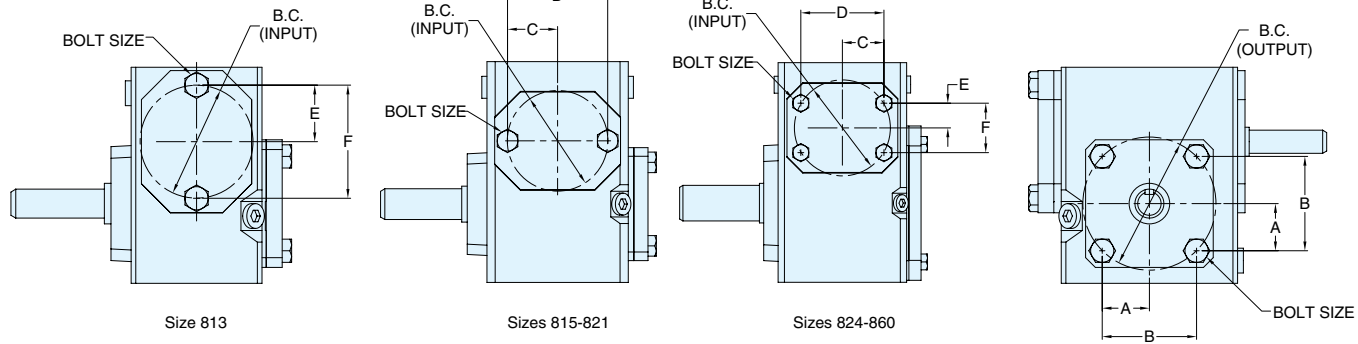


## TECHNICAL INFORMATION



## OHIO GEAR™

### BOLT CIRCLE DIMENSIONS



### INPUT COVER DIMENSIONS

Unit	C	D	E	F	INPUT B.C.	Bolt Size
813	1.219	2.438	N/A	N/A	2.438	5/16-18
815	1.219	2.438	N/A	N/A	2.438	5/16-18
818	1.219	2.438	N/A	N/A	2.438	5/16-18
821	1.219	2.438	N/A	N/A	2.438	5/16-18
824	1.313	2.625	.781	1.562	N/A	5/16-18
826	1.313	2.625	.781	1.562	N/A	5/16-18
830	1.313	2.625	.781	1.562	N/A	5/16-18
832	1.313	2.625	.781	1.562	N/A	5/16-18
842	1.600	3.200	1.050	2.100	N/A	7/16-14
852	1.600	3.200	1.050	2.100	N/A	7/16-14
860	1.370	2.740	1.370	2.740	3.875	7/16-14

### OUTPUT COVER DIMENSIONS

Unit	A	B	OUTPUT B.C.	Bolt Size
813	1.016	2.033	2.875	5/16-18
815	1.016	2.033	2.875	5/16-18
818	1.480	2.961	4.188	5/16-18
821	1.480	2.961	4.188	5/16-18
824	1.856	3.712	5.250	5/16-18
826	1.856	3.712	5.250	5/16-18
830	2.298	4.596	6.500	3/8-16
832	2.298	4.596	6.500	3/8-16
842	2.939	5.877	8.312	7/16-14
852	3.359	6.717	9.500	7/16-14
860	Consult Factory			1/2-13

### LUBRICATION

The reducer is properly filled at the factory with sufficient lubricant per customer specified mounting position.

If position is not specified by customer, reducer will be filled to level in mounting position 1 (worm over)

Reducer ordered with a "MOD" will be filled based on the factory assumed mounting position, mounting position should be specified with order to assure proper lubrication.

Factory Assumed Mounting Orientation	Applicable Unit Styles*	
Worm Over	B, T, F, H, FH, C D, DT, DF, DH, DFH DX, DXT, DXH, DXFH	Single Reduction Double Reduction Worm-Worm Double Reduction Helical-Worm
Worm Under	U DU	Single Reduction Double Reduction Worm-Worm
Vertical Output	VL, VH DVL, DVH DXVL, DXVH	Single Reduction Double Reduction Worm-Worm Double Reduction Helical-Worm
Vertical Input	J DJ DXJ	Single Reduction Double Reduction Worm-Worm Double Reduction Helical-Worm

\* INCLUDES MOTORIZED COUPLING AND QUILL INPUT VERSIONS OF ALL STYLES LISTED

All standard IRONMAN BY OHIO GEAR™ Worm Reducers are factory filled with MOBIL SHC-634 lubricant, a synthesized hydrocarbon formulated for long life and wide temperature range (-25°F to +220°F).

Change oil only when performing maintenance that requires gearbox disassembly.

If oil must be replaced, use only MOBIL SHC-634

Do not confuse MOBIL SHC-634 with MOBILGEAR 634. MOBILGEAR 634 is an EP type gear oil NOT suitable for use in the IRONMAN BY OHIO GEAR™ worm gear reducers.

### SPECIAL LUBRICATION REQUIREMENTS - Size 830 & Larger

Please specify mounting position \*with order\* if any of the following applies:

- 1- Reducer is mounted with input or output shafts vertical
- 2- Input speed is sustained less than 900 RPM
- 3- Reducer is mounted in inclined position

NOTE: The reducer may require modifications to assure proper lubrication in these applications.