

Position with the input shaft on top.

**Model 47P**

## Worm Gear Speed Reducers

### 750 to 4000 lb-in. ratings

- **Machine Cut Worm Gears** for accurate and long lasting service.
- **Enclosed Oil Bath** provides continuous lubrication of gears to minimize wear. P Series includes oil seals to keep oil in and contaminants out.
- **Corrosion Resistant** durable paint finish protects against corrosion.
- **Bronze Bearings** on input and output shafts of P Series Reducers provide smooth and efficient operation. Models 47P and 48P include ball thrust bearings on the input shaft. H Series Reducers operate without bearings.
- **Handle Assemblies** are available for H Series.
- **Two-year Limited Warranty**

### Important:

Not recommended for medium-speed or high-speed continuous duty applications due to low heat dissipation.

### Worm Gear Speed Reducers – Performance Characteristics – Section 1

	reducers for manual input			reducers for power input		
	46H <sup>1</sup>	47H <sup>1</sup>	48H <sup>1</sup>	46P	47P	48P
gear ratio	15:1	24:1	26:1	20:1	32:1	62:1
input – 100 rpm				5 rpm	3.1 rpm	1.62 rpm
output rpm	–	–	–	.10 hp	.09 hp	.17 hp
input horsepower	–	–	–	750 lb-in.	1089 lb-in.	4000 lb-in.
output torque						
input – 580 rpm				29 rpm	18 rpm	9.35 rpm
output rpm	–	–	–	.41 hp	.39 hp	.82 hp
input horsepower	–	–	–	580 lb-in.	880 lb-in.	3590 lb-in.
output torque						
approx. ship weight	8 lb	18 lb	55 lb	5 lb	17 lb	50 lb
handle weight	3 lb	3 lb	5 lb	–	–	–
handle model	B4559	B4559	B4560	–	–	–

Please contact factory or nearest Thern Distributor for firm fixed price and delivery.

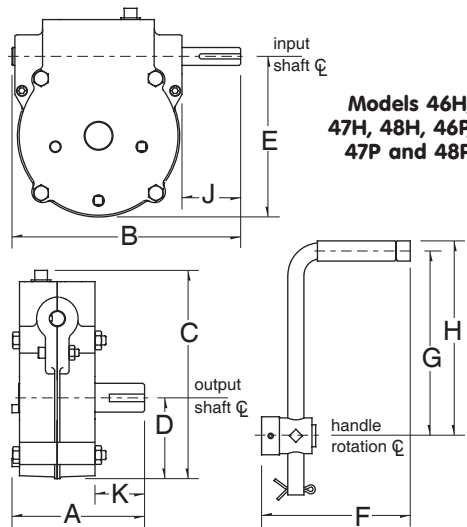
<sup>1</sup> Please contact the factory for specifications on Series H speed reducers.

### Worm Gear Speed Reducers – Dimensions (in)

	46H	46P	47H	47P	48H	48P
input shaft dia.	.62	.62	.62	.75	1.00	.75
output shaft dia.	.75	.75	1.00	1.00	1.50	1.50
A	7.62	5.44	10.12	5.62	13.60	7.94
B	4.62	6.81	6.75	8.94	12.10	15.00
C	5.06	5.06	7.25	6.94	12.25	12.25
D	1.81	1.81	2.81	2.81	5.44	5.44
E	3.81	3.81	5.56	5.56	10.06	10.06
F	5.94	–	5.94	–	7.81	–
G <sup>2</sup>	7.25	–	7.25	–	12.25	–
H <sup>2</sup>	7.59	–	7.59	–	12.69	–
J	.88	3.06	.88	3.06	.88	4.06
K	5.31	3.06	7.50	3.06	9.75	4.06
input shaft keyway	–	.19 x 3.00	–	.19 x 3.00	–	.19 x 4.00
output shaft keyway	–	.19 x 3.00	–	.25 x 3.00	–	.38 x 3.00

Dimensions are for reference only and subject to change without notice.

<sup>2</sup> Handles are adjustable, dimension shown is for maximum handle length.



Shafts on H Series are not Keyed

Handle Assembly for H Series Only

### Important:

It is the owner's or operator's responsibility to determine the suitability of the equipment to its intended use. Study all applicable codes, manuals, and regulations. Be sure to read the Owner's Manual supplied with the equipment before operating it.