REDUCER EXPRESS!

Order your 700 Series worm gear speed reducer using Reducer Express. We guarantee same day shipment by air if the order is received by 12 p.m. E.S.T., or we guarantee next business day shipment by air if the order is received after 12 p.m. E.S.T.—OR THE AIR FREIGHT IS FREE!

INPART

- 3-D drawings available in Pro/ENGINEER, 3-D STEP, 3-D IGES and 19 other 3-D CAD platforms
- Access via the internet at www.inpart.com
- 2-D DXF formats also available
- Single and double reduction 700 Series
- F, RF and non-flanged reducers
- Projecting and hollow output shaft models

COMPLEMENTARY PRODUCTS

- AC and DC motors mounted
- AC and DC variable speed motor controllers
- Mechanical overload clutches and torque limiters
- Open gearing and sprockets
- Couplings and universal joints
- Mounted and sleeve bearings
- Helical and bevel gear drives
SINGLE REDUCTION PART NUMBERING SYSTEM

**STYLE**
- Blank - Projecting I/P & O/P shafts
- H - Flanged reducer (Quill type), projecting O/P shaft
- S - Flanged reducer (Quill type), projecting O/P shaft
- F - Flanged reducer (Quill type), projecting O/P shaft
- SF - Flanged reducer (Coupling type), hollow O/P shaft
- HRF - Flanged reducer (Coupling type), hollow O/P shaft
- SWC - Right Angle shafts, projecting input
- HWC - Right Angle shafts, projecting input
- SWC - Right Angle shafts, projecting input
- WT - BostMount hollow O/P shaft
- RF - BostMount hollow O/P shaft
- C Prefix - Cast iron flange and base

**REDUCTION RATIO TO 1**
- S 10
- 10 10
- 15 15
- 20 20
- 25 25
- 30 30
- 40 40
- 50 50
- 60 60

**LUBRICATION**
- Blank - No Lube
- S - Mobil SHC634

**BASE**
- Blank - No base kit required
- A - Horizontal base – Worm under
- B - Horizontal base – Worm over
- C - Vertical High base – I/P right
- D - Vertical Low base – I/P right
- E - Vertical High base – I/P left
- F - Vertical Low base – I/P left
- R/L - BostMount Output Bracket
- X - Input Vertical Up
- Y - Input Vertical Down
- V - Hollow O/P with base – I/P right
- W - Hollow O/P with base – I/P left

**OIL SEAL**
- T - Indicates two input seals. For double output seals, contact factory
- Blank - No fan
- F - Fan kit

**MOUNTING**
- Blank - No Lube
- S - Mobil SHC634

**DOUBLE REDUCTION PART NUMBERING SYSTEM**

**STYLE**
- WA - Parallel shafts, projecting I/P & O/P shafts
- SWA - Parallel shafts, projecting I/P, BostMount hollow O/P shaft
- WC - Right Angle shafts, projecting I/P & O/P shaft
- SWC - Right Angle shafts, projecting I/P, BostMount hollow O/P shaft
- SF - Flanged reducer (Quill type), hollow O/P shaft
- HFWC - Right Angle shafts, projecting O/P shaft
- HFWA - Right Angle shafts, projecting O/P shaft
- SWAC - Right Angle shafts, projecting O/P shaft
- SFAC - Right Angle shafts, projecting O/P shaft
- C Prefix - Cast iron flange and base

**REDUCTION RATIO TO 1**
- 100 100
- 130 130
- 180 180
- 200 200
- 240 240
- 300 300
- 400 400
- 600 600
- 3000 3000

**LUBRICATION**
- Blank - No Lubrication Supplied
- S - Mobil SHC634

**BASE**
- Blank - No base kit required
- A & B - Horizontal bases
- C & E - Vertical High bases
- D & F - Vertical Low bases
- R/L - BostMount Output Bracket
- X - Input Vertical Up
- Y - Input Vertical Down
- V/W - Hollow O/P with base
- V/W - Hollow O/P with base

**OIL SEAL**
- T - Indicates two input seals. For double output seals, contact factory
- Blank - No fan
- F - Fan kit

**MOUNTING**
- Blank - No Lube
- S - Mobil SHC634

**H SERIES OUTPUT BORE CODE**
- For H700 Series only
- Specified in 1/16” increments
- Worm Gear Drives
- For complete offering, see Worm Gear Drives Catalog

**OUTPUT SHAFT ASSEMBLY (When facing input)**
- G - O/P Projection – Left
- H - Double O/P Projection
- J - O/P Projection – Right

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For the name of your local Boston Gear distributor, please contact us at:

Leading the Industry at Every Turn
### SINGLE REDUCTION NUMBERING SYSTEM/HOW TO ORDER

#### STYLE
- **C-** Designates reducer or flanged reducer, projecting or hollow output shaft.
- **Blank-** Single reduction reducer with projecting input and output shafts. (No code letter required).
- **H-** Single reduction reducer with projecting input and BostMount hollow output shaft. (No flange) (Sizes 713-738)
- **S-** Single reduction reducer with hollow output shaft. (Sizes 718, 721, 726 and 732).
- **F-** Single reduction flanged reducer (Quill type) with projecting output shaft.
- **HF-** Single reduction flanged reducer (Quill type) with BostMount hollow output shaft. (Sizes 713-738)
- **SF-** Single reduction flanged reducer (Quill type) with hollow output shaft. (Sizes 718, 721, 726 and 732)
- **RF-** Single reduction flanged reducer (Coupling type) with projecting output shaft.
- **HRF-** Single reduction flanged reducer (Coupling type) with BostMount hollow output shaft. (Sizes 713-738)
- **SRF-** Single reduction flanged reducer (Coupling type) with hollow output shaft. (Sizes 718, 721, 726 and 732)

#### SIZE
Center distance, rounded off.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>710</th>
<th>713</th>
<th>715</th>
<th>718</th>
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<tr>
<td>1.00</td>
<td>1.33</td>
<td>1.54</td>
<td>1.75</td>
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<tr>
<td>721</td>
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<td>2.38</td>
<td>2.62</td>
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<td>738</td>
<td>3.75</td>
<td>5.16</td>
<td>6.00</td>
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<tr>
<td>732</td>
<td>3.25</td>
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</table>

#### BASE
- **Blank-** No base kit supplied
- **A,B -** Horizontal bases
- **E & F -** Vertical Bases*
- **R/L -** BostMount Output Bracket
- **X -** Input Vertical Up
- **Y -** Input Vertical Down
- **BRB -** Horizontal base with riser block
- **V,W -** Flanged bases, available on "S" hollow shaft models only. Factory assembled.

*For E, F vertical base arrangements, see Pages 10, 11.

#### RATIO
See Selection Tables for available ratios.

#### FAN
- **Blank -** No Fan Kit.
- **F -** Fan Kit
- **T -** Indicates two input seals.
- **V -** Three piece input oil seal.

#### LUBRICATION
Optional prelubrication.
- **Blank -** No Lubrication supplied.
- **S -** Mobil SHC634 Synthetic Lubricant
- **X -** Mobil 600W Cylinder Oil

When specifying optional prelubrication, include mounting position after shaft assembly.

#### NEMA MOUNTING
Designates flange size and input bore diameter. Flanged reducers only. Leave blank for standard reducer.

<table>
<thead>
<tr>
<th>CODE</th>
<th>BORE</th>
<th>NEMA MOUNTING</th>
<th>INPUT</th>
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<tbody>
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<td>42CZ</td>
<td>.500&quot;</td>
<td>1/8 x 1/16</td>
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<tr>
<td>B5</td>
<td>56C</td>
<td>.625</td>
<td>3/16 x 3/32</td>
</tr>
<tr>
<td>B7</td>
<td>140TC/180C</td>
<td>.875</td>
<td>3/16 x 3/32</td>
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<tr>
<td>B9</td>
<td>180TC/210C</td>
<td>1.125</td>
<td>1/4 x 1/8</td>
</tr>
<tr>
<td>B11</td>
<td>210TC/250UC</td>
<td>1.375</td>
<td>5/16 x 5/32</td>
</tr>
<tr>
<td>B13</td>
<td>250TC</td>
<td>1.625</td>
<td>3/8 x 3/16</td>
</tr>
</tbody>
</table>

See page 94 for Mounting Dimensions.

#### SHAFT ASSEMBLY
Assembly shaft arrangements. See assemblies, Pages 10 and 11.
- **G -** Standard assembly.
- **H -** Double output shaft projection.
- **J -** Opposite to standard.

#### MOUNTING POSITION
Designates the position of oil and vent plugs with respect to mounting.
- **Blank-** For units not supplied prelubricated.
- **1-6 -** See pages 10 and 11.

#### OUTPUT BORE CODE
Specified in 1/16" increments. See page 83 for complete offering. Example 1 1/4" = P20
For H Series only.

### HOW TO ORDER
When ordering reducers please include code letters for Style, Size, Base (if required), Ratio, Fan (if required), Lubrication (if required), NEMA Mounting (if flanged reducer), Shaft Assembly and Motor (if required).

**EXAMPLE:**
- Required size, 721 Quill type flanged reducer, 30:1 ratio, 5/8" input bore, standard assembly, with horizontal base, no lubrication. Motor to be 3/4 HP, 1750 RPM, 230/460 Volt, 3 Phase, 60 cycle, open dripproof.

1. Reducer, Base and Motor Shipped separately:
   - ORDER: Reducer - F721-30-B5-G
   - Base Kit - 56587
   - Motor - GU

2. Reducer, Base and Motor assembled:
   - ORDER: F721B-30-B5-G-GU

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