

# Triplex Mud Pump Bearing ZB8253

## [Description](#)

- The F-1000 Triplex Mud Pump is made of rugged Fabriform construction and designed for optimum performance under severe drilling conditions. It is compact and occupies less space, yet delivers unequaled performance. The pumps are backed by several decades of design and manufacturing experience, and are considered leaders in the field.
- The NOV Triplex design provides an inherently balanced assembly. No additional counterbalancing is required for smooth operation. No inertia forces are transmitted to the pumps' mountings.
- NOV's F-Series pumps are conservatively rated at relatively low rpm. This reduces the number of load reversals in heavily stressed components and increases the life of the fluid end parts through conservative speeds and valve operation.

## [Features/Benefits](#)

- Forged steel cylinders are identical and interchangeable. Liners and pistons can be inspected without removal.
- One-piece piston rod
- Discharge strainer
- Liner, piston and piston rod are removed and replaced through the front of the pump
- The suction desurger is built into the suction manifold for reduction of pressure surges
- F-1000 cylinders are electroless nickel-plated to retard corrosion
- Power end cover can be removed without disturbing top mounted motors
- One-piece interchangeable eccentric straps
- Slower speed means increased expendable life
- Fabriform frame
- Low weight-to-horsepower ratio
- Herringbone gears, both gear and pinion, are machined from alloy steel forgings

## [Specifications](#)

|  |                                       |
|--|---------------------------------------|
| <b>GENERAL SPECIFICATIONS</b>              |                                       |
| <b>Nominal Horsepower Rating @ 140 SPM</b> | <b>1,000 HP (746 kW)</b>              |
| <b>Size Maximum Liner By Stroke</b>        | <b>6-3/4" X 10" (171 mm x 254 mm)</b> |
| <b>Gear Type</b>                           | <b>Herringbone</b>                    |
| <b>Gear Ratio</b>                          | <b>4:32:1</b>                         |
| <b>Suction Manifold Fem. Thd.</b>          | <b>12</b>                             |
| <b>Discharge Outlet</b>                    | <b>5" (127 mm) 5000 API Flange</b>    |
| <b>DIMENSIONS &amp; WEIGHT</b>             |                                       |
| <b>Overall Length</b>                      | <b>14' (4,267.2 mm)</b>               |
| <b>Overall Width (Pinion Shaft)</b>        | <b>7' 5" (2,261 mm)</b>               |
| <b>Overall Height (Less P.D.)</b>          | <b>5' 11" (1,803.4 mm)</b>            |
| <b>Skid Width</b>                          | <b>7' 10" (2387.6 mm)</b>             |
| <b>Pinion Shaft Diameter</b>               | <b>7-3/4" (197 mm)</b>                |
| <b>Keyway</b>                              | <b>2" X 1" (51 mm X 25.4 mm)</b>      |
| <b>Approximate Weight</b>                  | <b>38,070 lbs. (17,268 kg)</b>        |

1687/650      ZB-7120      12BA4      7602-0200-5      65-101-775  
3  
1687/810      ZB-6751      12GF36      7602-0213-0      65-101-958

|           |          |        |                  |                   |
|-----------|----------|--------|------------------|-------------------|
| 1681/800  | ZB-5620  | 12GF38 | 6<br>7602-0212-6 | 65-101-954        |
| 5692/800  | ZB-11028 | 12GF20 | 8<br>7602-0212-6 | IB-666/491-3      |
| 2687/1049 | ZB-10236 | 12BA6  | 9<br>6319-0078-0 | 5<br>IB-306/3693B |
| 38780     | ZB-8662  | 12W84  | 0<br>7602-0212-8 | ZB-9005           |
| 5691/750  | ZB-7873  | 12W85  | 9<br>6310-0012-0 | ZB-8253           |
| 5691/600  | ZB-7081  | 12BA18 | 0<br>7602-0213-0 | ZB-7370           |
| 5691/500  | ZB-6292  | 12BA5  | 7<br>7602-0212-6 | ZB-7120           |
| 569196    | ZB-32000 | 12AM3  | 7<br>7602-0212-8 | ZB-6751           |
| 569184    | ZB-28515 | 12BA44 | 8<br>7602-0211-0 | ZB-5620           |
| 569164    | ZB-26250 | 12BA19 | 9<br>7602-0210-3 | ZB-11028          |
| 1689/520  | ZB-25500 | 12W73  | 7<br>7602-0213-0 | ZB-10236          |
| 1689/620  | ZB-23500 | 12W60  | 5<br>6301-0038-0 | ZB-8662           |
| 1687/560  | ZB-22000 | 12W58  | 0<br>6397-0267-0 | ZB-7873           |
|           |          |        | 0                |                   |

