

Triplex Mud Pump Bearing ZB 28515

[Description](#)

- **Performance:** An advanced fluid end design gives exceptionally smooth Triplex performance. This unique design facilitates fast inspection and easy servicing.
- **Flexibility:** Compact engineering provides higher efficiency in less space. The pump's light weight and flexible design make it easily adaptable to a variety of rig configurations. This provides flexibility as drilling requirements and conditions change.
- **Fluid End Modules:** NOV offers a choice of fluid end modules and valve covers for every P Series pump model to select the fluid end module that exactly matches drilling requirements. All pump models can be equipped with either the standard or premium forged, two-piece interchangeable fluid modules.

[Features/Benefits](#)

Power End:

- Fabricated steel frame construction
- One-piece forged steel construction crankshaft, connecting rods and pinion shaft
- Adapability to a variety of drive arrangements on either side or both sides
- Premium roller bearings to enhance smooth performance and efficiency
- Pressurized lubrication system standard on 12-P-160 model

Fluid End:

- Two-piece modular cylinder design is completely interchangeable between modules
- Fast Change™ screw-type valve covers which facilitate quick removal and installation are standard
- Suction manifold can be equipped with front or side inlet connections
- Discharge piping connects from either side
- Piston and liner chambers are easily accessible and fully open
- Two-piece piston rod construction allows removal of piston without disturbing liner
- Easy-to-operate clamps give positive locking for liners and piston rod assemblies
- Spray system cools and lubricates piston and liner surfaces

[Specifications](#)

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| Height, floor to center of front inlet suction, inches (mm) | 16-1/2" (419) |
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| Height, floor to center of discharge, inches (mm) | 45-1/4" (1149) |
| Overall length over skids, inches (mm) | 209" (5309) |
| Width over frame, inches (mm) | 78-5/8" (1997) |
| Width over pinion shaft, inches (mm) | 113-3/4" (2889) |
| Height, floor to top of gear case, inches (mm) | 75" (1905) |
| Height over fluid cylinders, inches (mm) | 62-15/16" (1599) |
| Max. input, horsepower (kW) | 1600 (1193) |
| Rated pump speed, spm | 120 |
| Maximum fluid cylinder line bore*, inches (mm) | 7-01/4" (184.2) |
| Stroke, inches (mm) | 12 (304.8) |
| Hydrostatic test pressure of standard fluid cylinders, psi (kg/cm ²) | 10,000 (703) |
| Ratio of gears | 3.439 |
| Suction connection, ASA-150 lb. R.J. flange, inches | 10" |
| Discharge connection, cross w/API-5000 lb. R.J. flange, inches | 6" |
| Valve pot, API number | MOD.7 |
| Weight-complete, less sheave, lbs. (kg) | 54,700 (24,810) |

**Above 5000 PSI on 12-P-160 is optional*

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| 229/723Q | ZB-6292 | 65-725-960 | IB-675 |
| 92984Q | ZB-32000 | 65-725-000 | IB-672 |
| 929/558.8Q | ZB-28515 | 65-725-010 | IB-670 |
| 928/660.4Q | ZB-26250 | IB-1331 | IB-680 |
| 929/660.4Q | ZB-25500 | IB-1330 | IB-676 |
| 928/508Q | ZB-23500 | IB-1334 | IB-671 |
| 929/840U | ZB-22000 | IB-1332 | IB-677 |
| 228/600Q | ZT-16125 | IB-657 | 12BA4 |
| 228/666.75Q | 7602-0212-98 | IB-675 | 12GF36 |
| 30228/630Q | 7602-0212-98 | IB-672 | ZT-15000 |
| 2097164 | 7602-0210-93/94 | IB-670 | ZT-15000 |
| 2097172 | 7602-0210-95/96 | IB-680 | ZT-14500 |
| 97860 | 65-101-775 | IB-676 | ZT-13127 |
| 97960 | 65-101-958 | IB-671 | ZT-11812 |
| 4G32836H5691/600 | 65-101-954 | IB-677 | ZT-10003 |
| 5691/500 | IB-666/491-35 | 12BA4 | 7602-0201-67 |
| 5691/630 | IB-306/3693B | 12GF36 | 7602-0201-37 |
| 1689/520 | ZB-9005 | 12GF38 | 7602-0201-38 |
| 1689/620 | ZB-8253 | 12GF20 | 7602-0201-47 |