

## High-Pressure Mud Hose Rotary Vibrator Drilling Hose 5000PSI (Swaged Couplings):



- **Application:**

**Rotary and Vibrator Hose:** Used in oil and gas drilling rigs to transfer high-pressure drilling mud from the standpipe to the swivel (rotary hose) and from the mud pump to the standpipe (vibrator hose). These hoses are essential for accommodating rig movement and isolating vibrations during drilling operations.

- **Standard: API Spec 7K**

- **API Monogram No: 7K-0556**

- **Hose structure:**

Tube: Synthetic Rubber-Based Liner Sealing Layer, Oil Resistance, Acid & Alkali Resistance, High Temperature Resistance and Ageing Resistance

Breaker Layer and External Protection Layers: High Tension Textile Fabric

Major Reinforcement for Withstanding Pressure: High Strength Steel Cable

Cover: Synthetic Based Rubber for Anti-Flaming, Wear Resistance, Oil Resistance, Ozone & Ageing Resistance, UV Resistance, Which Is Designed for Marine Environment.

- Temperature Range: I (-20°C To +82°C), II (-20°C To +100°C), III (-20°C To +121°C)
- Flexibility Specification Level: FSL1 & FSL2
- Maximum Continuous Length: 45 Meter.
- Length Tolerance: Length Up To 6 Meter, With Tolerance  $\pm 65\text{mm}$ ; Length Longer Than 6 Meter with Tolerance  $\pm 1\%$ .
- Measurement Basis of Minimum Bending Radius (MBR) Is Center Line of Each Hose.

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| Model/Part No. | <br>Internal Diameter |       | <br>Working Pressure |       | <br>Test Pressure |       | S<br><br>Safety Coefficient | <br>FSL | <br>MBR (Operation) |        | <br>Length Max |
|----------------|--------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------|-------|-----------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------|
|                | (inch)                                                                                                 | (mm)  | (bar)                                                                                                 | (psi) | (bar)                                                                                              | (psi) |                             |                                                                                           | (mtr.)                                                                                                 | (inch) |                                                                                                   |
| GRADE D        |                                                                                                        |       |                                                                                                       |       |                                                                                                    |       |                             |                                                                                           |                                                                                                        |        |                                                                                                   |
| MH-11          | 2                                                                                                      | 50.8  | 345                                                                                                   | 5,000 | 517                                                                                                | 7,500 | 2.5                         | FSL1/FSL2                                                                                 | 0.9                                                                                                    | 36     | 45                                                                                                |
| MH-12          | 2.5                                                                                                    | 63.5  | 345                                                                                                   | 5,000 | 517                                                                                                | 7,500 | 2.5                         | FSL1/FSL2                                                                                 | 0.9                                                                                                    | 36     | 45                                                                                                |
| MH-13          | 3                                                                                                      | 76.2  | 345                                                                                                   | 5,000 | 517                                                                                                | 7,500 | 2.5                         | FSL1/FSL2                                                                                 | 1.2                                                                                                    | 48     | 45                                                                                                |
| MH-14          | 3.5                                                                                                    | 88.9  | 345                                                                                                   | 5,000 | 517                                                                                                | 7,500 | 2.5                         | FSL1/FSL2                                                                                 | 1.4                                                                                                    | 54     | 45                                                                                                |
| MH-15          | 4                                                                                                      | 101.6 | 345                                                                                                   | 5,000 | 517                                                                                                | 7,500 | 2.5                         | FSL1/FSL2                                                                                 | 1.4                                                                                                    | 54     | 45                                                                                                |
| MH-16          | 5                                                                                                      | 127   | 345                                                                                                   | 5,000 | 517                                                                                                | 7,500 | 2.5                         | FSL1/FSL2                                                                                 | 1.5                                                                                                    | 60     | 45                                                                                                |
| MH-17          | 6                                                                                                      | 152.4 | 345                                                                                                   | 5,000 | 517                                                                                                | 7,500 | 2.5                         | FSL1/FSL2                                                                                 | 1.8                                                                                                    | 72     | 45                                                                                                |

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