

## Dredge Discharge Hose

The Dredge Discharge Hose from DevelFluid is engineered for the most demanding dredging operations, including port construction, land reclamation, and mining. Designed to transport abrasive media such as mud, sand, slurry, and gravel, this hose features a multi-layer reinforced structure that ensures maximum durability under high pressure and turbulent flow conditions. Our discharge hoses are built to withstand harsh marine environments and continuous abrasive wear.

### Technical Advantages

**Superior Wear Resistance:** The inner lining is crafted from high-quality natural or synthetic rubber with excellent abrasion resistance, significantly extending service life when transporting slurries.

**High-Strength Reinforcement:** Multiple layers of high-tensile synthetic fabrics and steel wire spirals provide a robust framework that prevents kinking and maintains structural integrity under high vacuum or discharge pressure.

**Weather & Aging Resistance:** The outer cover is designed to resist UV radiation, ozone, and seawater corrosion, preventing cracking and degradation in outdoor marine environments.

**Flexible Connection:** Available with various end fittings, including fixed or floating flanges and sand-blast integrated gaskets, ensuring easy installation and leak-proof performance.



### Application Fields & Product Parameters

#### Applications:

**Dredging Engineering:** Sand suction and discharge for dredgers in port and channel projects.

**Mining Industry:** Transport of mineral tailings, slurries, and abrasive waste materials.

**Land Reclamation:** Large-scale sand and mud transfer for coastal expansion projects.

| No. | Technical Specifications | Details                                       |
|-----|--------------------------|-----------------------------------------------|
| 1   | Inner Diameter (ID)      | 150mm - 1200mm (6" - 48")                     |
| 2   | Working Pressure         | 5 Bar to 30 Bar (Customizable)                |
| 3   | Safety Factor            | 3:1 or 4:1                                    |
| 4   | Lining Material          | Abrasion-resistant NR/BR/SBR Synthetic Rubber |
| 5   | Reinforcement            | High-tensile Textile with Helix Steel Wire    |
| 6   | Operating Temp.          | -20°C to +80°C                                |

### The Specification of Dredging Hose(Suction Rubber Hose)

| ID  |       | Working Pressure(Mpa)                                | Length(m)* | Pipe Wall Thickness(mm) |
|-----|-------|------------------------------------------------------|------------|-------------------------|
| mm  | T(mm) |                                                      |            |                         |
| 250 | ±2    | 60mm mercury column<br><br>Max vac<br><br>650mm high | 1~3        | 31-32                   |
| 300 | ±2    |                                                      | 1~3        | 34-37                   |
| 414 | ±2    |                                                      | 1~3        | 35-37                   |
| 560 | ±3    |                                                      | 2~3        | 40-45                   |
| 600 | ±3    |                                                      | 2~3        | 40-45                   |
| 700 | ±3    |                                                      | 2~3        | 40-45                   |
| 800 | ±4    |                                                      | 2~3        | 50-52                   |
| 900 | ±4    |                                                      | 2~3        | 55-58                   |

Note: The above information is according to the Normal Standard. Other data sheets can be changed according to your requirements.