



**Frese Metal and Steel Foundry** produces customised solutions for the most demanding of applications in a range of alloys including bronze, nickel-aluminium bronze, stainless steel and duplex steel.

We are approved by DET NORSKE VERITAS – GL (DNV-GL) and Bureau Veritas (BV) as a Manufacturer of Materials for use in the construction or repair of ships, other marine structures and associated machinery, which are classed or certified.



## Materials

|                           |                           | Materials  |  |  |
|---------------------------|---------------------------|--|--|--|
|                           |                           | NiAlBr   | Stainless steel/<br>Duplex steel   | Bronze   |
| <b>Casting parameters</b> | <b>Mould size</b>         | < 2000x2000x2000 mm  | < 2000x2000x2000 mm  | < 2000x2000x2000 mm  |
|                           | <b>Wall thickness</b>     | > 6-10 mm  | > 8-12 mm  | > 5-10 mm  |
|                           | <b>Weight</b>             | 5-2000 kg  | 5-1000 kg  | 2-2000 kg  |
|                           | <b>Tolerances</b>         | ISO8062-CT9  | ISO8062-CT12   | ISO8062-CT10   |
|                           | <b>Approvals</b>          |   |    |   |
|                           | <b>Typical components</b> | High pressure Pump Casings and Covers<br>Impellers<br>Valve Housings<br>Shaft Brackets<br>Firefighting Equipment<br>Parts for Seawater Heat Exchangers<br>Similar parts, with high demand for corrosion resistance and high strength | Pump Casings and Covers<br>Impellers<br>Valve Housings<br>Shaft Brackets<br>Feeders<br>Similar parts with a demand for high strength | Pump Casings and Covers<br>Impellers<br>Valve Housings<br>Parts for Seawater Heat Exchangers<br>Similar parts with a demand for corrosion resistance and medium strength |