



## Welding technologies certified by:

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Certified to DIN EN ISO 3834-2

Quality requirements for fusion welding of metallic materials

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### Certified according to **DIN 18800-7 class E**

is a national standard (the so-called manufacturer's qualification) which makes it possible to weld components, which fall within the building inspection area.

**DVS-EWF-IIW** welding engineer

(Int. Welding Engineer)

**DVS-EWF** welding specialist

(European Welding Specialist)

The Team:

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#### Certified according to EN 1090-2:2008 +A1:2011 EXC3

is a European standard (manufacturer's qualification), the DSD GmbH may thus weld components and place on the market within the building inspection area.

Certified according to DIN 4132 (manufacture of crane tracks)

Only qualified welders according to EN 287 and 97/23 / EC and AD

Druckguss Service Deutschland GmbH is a company of special machine construction in northern Germany (Lübeck) and offers modern production technology in excellent quality. It is certified according to DIN EN ISO 9001. The certified welding department also provides various welding technologies, welding constructions, repair welding and plating and built-up welding in a wide spectrum.

# Welding Technologies ISO 9001









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## Welding at the Highest Level

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#### **Maritime Steel Constructions**



Welded structures in the maritime sector of the manufacturing companies demand a particularly high production quality.

At Druckguss Service Deutschland GmbH all facilities and human resources are available to manufacture high-quality maritime steel constructions.

(i.e. rudder trunk, rudder blades, ship-mounted parts etc.)

Own auditors (for DGZfP) test these components with the methods VT, MT, PT, UT.

If independent tests shall be required powerful partners are near by.

#### **External and internal cylindrical welding**

We have realized a high level of automation with the external and internal cylindrical welding. MSG internal circular welding (also mobile) MSG and UP cylindrical welding (up to max. 10.000 mm or 7 t)

#### **Plating and Built-Up welding**

By refining the component surfaces by special materials we can greatly improve surface hardness, wear resistance and corrosion resistance.





#### Welding Processes:

- MSG welding (MIG / MAG)
- TIG welding
- Oxyfuel and electro manual welding
- MSG internal circular welding (also mobile)
- MSG and UP Cylindrical Welding max. 10,000 mm or 7 t
- Semi-automatic surfacing/hardfacing
- Powder flame spraying
- Hard and soft soldering



Constructions

In addition to maritime steel constructions we also offer steel and metal structures according to customer drawings. If no documents exist our team of engineers and technicians wills do this for you.

#### **Powder Flame Spraying**



With this process we can repair worn axles, shafts and bearing surfaces in cost-effective ways.

# Construction, planning and monitoring the commissioned trades

New constructions Repair also at your site





#### **Materials:**

Black and stainless steels
Tempered steels
Difficult to weld steels
Steel and cast irons
Non-ferrous metals