

# White malleable cast iron

## **MATERIAL:**

- white malleable cast iron EN-GJMW-400-5 and EN-GJMW-450-7 according to PN-EN 1562:2000 (W 40-05 and W 45-07 according to ISO 5922)
- weldable white malleable cast iron EN-GJMW-360-12 according to PN-EN 1562:2000 (W38-12 according to ISO 5922)

**UNIT WEIGHT OF THE CASTINGS:** From 0,1 kg to 25 kg.

## **DIMENSIONS:**

- 450 x 350 x 150 mm (DISAMATIC 2013) CT9
- 600 x 400 x 250 mm (DISA FORMA 3030) CT11

## **PROCESS:**

- metal smelting in induction furnaces with a capacity of 6.0 tonne, medium frequency,
- moulding using Disa 2013 and Disa-Forma 3030 automatic machines,
- dimensions of model panels: Disa 2013 – 600 x 480, Disa Forma – 650 x 490,
- material for the model plates: plastic, aluminium, brass,
- pouring into moulds from OCC-40 automatic machines,
- cleaning castings in OWBP-2.5 and OWT cleaning machines,
- automatic or manual grinding of castings,
- zinc coating at the Customer's request: 99.994% electrolytic zinc,
- mechanical treatment using specialist automatic machines,
- testing air tightness at the pressure of 6.0 atm,
- packing into carton boxes.

## **CUSTOMERS:**

- rail industry,
- manufacturers of industrial fittings,
- mining industry,
- construction industry,
- automotive industry,
- power engineering.

## **QUALITY:**

- The quality is certified by the EE mark and by the ISO9001 certificate issued by BVC.
- Computer design of process documentation: Solid Works.

- The MAGMA computer system makes it possible to perform extensive analyses of complex engineering problems, along with a simulation of the founding process.

## Pipe Fittings

They are applied in pipe screw connections especially in water supply systems, gas and steam systems, central heating systems, etc., for transmission of liquids and nonaggressive gases.

- manufactured in accordance with the PN-EN 10242:1999 and ISO49:1994 standards,
- material: whiteheart malleable cast iron W 40-05 according to PN-EN 1562 and 2000,
- threads: according to PN - ISO 7/1 and PN-ISO 228/1,
- dimensions: from 1/4" to 4",
  
- surface finishing: black or hot dip galvanized, protected against corrosion,
- working pressure - 2,5 MPa in temp. up to 120°C,
- working pressure - 2,0 MPa in temp. up to 300°C.