

Cold Rolled Gate Valve Shafts



Product characteristics and benefits

Cold rolled T thread
Hot forged collar
Mirror polish on thread section
Choice of world class gate valve manufacturer

Materials

X2Cr13 (1.4021), 304 (1.4301), 316 (1.4401), 316Ti (1.4571),
1Cr17Ni2 (1.4057), 1.4462, AISI 420

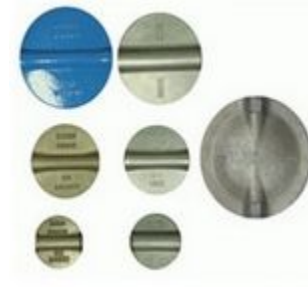
Customer reference

Tyco
Talis Group

American Valve&Hydrant
Mueller

Valve Parts

Ductile Iron Discs



Product characteristics and benefits

Ductile iron and grey iron casting
As per EN1563/EN1561/ASTM A126/ASTM A536
Automatic molding line/resin sand and green sand casting process
Critical components for valve, pump, wind turbine, subsea crude oil transmission system
Weight of single pour up to 600 tones

Materials

Gate valve body: 65-45-12, ASTM A536
Wind turbine hub: EN-GJS-400-18U-LT + EN10283 Level III/EN1369 Level III
Carrier pipe: EN-GJS-400-18U-LT + EN10283 Level III/EN1369 Level III
All material grades as per EN1563/EN1561/ASTM A126/ASTM A536

Customer reference

Tyco
Talis Group

Stainless Steel Valve Discs



Process

The lost wax investment casting process

Services

Product design and development

Our technical staff can offer advice on the design and the best metal for each application, often resulting in significant cost savings.

Aided Design (CAD)

Our CAD engineers can create, modify or convert your parts using the latest 3D software, including SolidWorks. We can also run a preproduction flow / solidification simulation using SOLIDCast software.

This is an invaluable tool in minimizing development time and scrappage by ensuring a "Right first time" solution.

Preproduction batches

Small batches can be produced from inexpensive tooling to confirm design and suitability of product.

Production batches

Produced from high quality precision tooling, quantities from just a few components right through to thousands

Materials

Stainless Steel

Carbon Steel

Inconel 718/600

Monel 400

Other metals can also be cast, please contact us for more details.

Customer reference

Tyco

Talis Group

WILO

Valve Parts

Al-Bronze Disc



Product characteristics and benefits

Ductile iron and grey iron casting

As per EN1563/EN1561/ASTM A126/ASTM A536

Automatic molding line/resin sand and green sand casting

process

EN10286 Level II/Level III non-destructive testing

EN1369 Level II/Level III magnetic particle testing

Critical components for valve, pump, wind turbine, subsea crude oil transmission system

Weight of part up to 20 metric tons

Materials

Gate valve body: 65-45-12, ASTM A536

Wind turbine hub: EN-GJS-400-18U-LT + EN10283 Level III/EN1369 Level III

Carrier pipe: EN-GJS-400-18U-LT + EN10283 Level III/EN1369 Level III

Customer reference

Tyco

Talis Group

WILO

DN2000 Butterfly Valve Body



Product characteristics and benefits

Ductile iron and grey iron casting

As per EN1563/EN1561/ASTM A126/ASTM A536

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Critical components for valve, pump, wind turbine, subsea crude oil transmission system

Weight of single pour up to 600 tones

Materials

Gate valve body: 65-45-12, ASTM A536

Wind turbine hub: EN-GJS-400-18U-LT + EN10283 Level III/EN1369 Level III

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Customer reference

Tyco

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WILO

Gate Valve Body - Lost Foam Process



Product characteristics and benefits

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Customer reference

Tyco

Talis Group

WILO

Pump Impeller



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Customer reference

Tyco

Talis Group

WILO

Pump Housing



Product characteristics and benefits

Ductile iron and grey iron casting

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Critical components for valve, pump, wind turbine, subsea crude oil transmission system

Weight of part up to 20 metric tons

Materials

Gate valve body: 65-45-12, ASTM A536

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Carrier pipe: EN-GJS-400-18U-LT + EN10283 Level III/EN1369 Level III

Customer reference

Tyco

Talis Group

WILO

Gate Valve Body1



Product characteristics and benefits

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All material grades as per EN1563/EN1561/ASTM A126/ASTM A536

Customer reference

Tyco
Talis Group
WILO

Gate Valve Body3



Product characteristics and benefits

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All material grades as per EN1563/EN1561/ASTM A126/ASTM A536

Customer reference

Tyco
Talis Group
WILO

Stainless Steel Castings

Switch Box Body



Valve Body



Flow Meter Housing



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Customer reference

Tyco

Talis Group

WILO

c016880



c016874



c015665

