



bdp

Mechanical Components

bdp Mechanical Components

Experience in supplying mechanical components for
every industrial sector since 1982

www.bdp-mc.com

About us

- bdp Mechanical Components has been supplying industrial mechanical components internationally since 1982.
- We help our customers to develop and procure high-quality casting and forging parts at fair market prices, by always finding the right production partner for every customer's needs.
- With 14 locations and 150 employees in Bulgaria, China, Germany, Poland, Spain and Switzerland, bdp is optimally positioned internationally and always on site.
- bdp MC customers are mostly located in Germany and Spain. Our procurement locations are in China and Eastern Europe.
- Our technical focus is in the development and production of metal components.
- We are ISO 9001: 2015 certified, many of our production partners also IATF 16949.



What we can do for you

Our strengths



- With competencies in purchasing, sales, construction, quality control
- Located in Europe and Asia
- Motivated and committed to find the best solutions for your company
- Close cooperation between our

engineers and auditors with production partners, from development through production to quality assurance

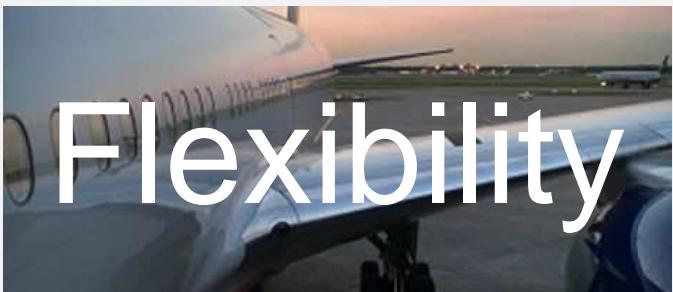
- Pool with ca. 100 Producers for casting, forging, machining, welding, bending, punching.
- High quality production and inspection systems
- Certified according to international

- standards
- Many years of collaboration have placed great reliability
- Experienced in small and large series.



- With our international presence, we can communicate in your national language
- Interim storage facilities in Germany enable flexible transport options

• Depending on customer requirements, production partners in Eastern Europe or China are selected from our producer pool.

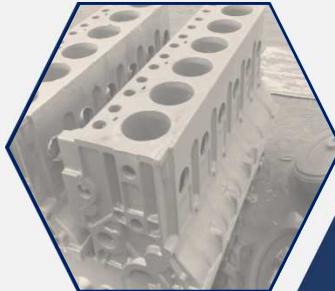


Summary of our producer pool

Allocation of our production partners	Application examples	Material	Certificate	Examples for process / equipment	Weight range of products (kg)	Tolerance class
Sand casting (65 in China 34 in Eastern Europe)	Automotive Train Machines Valves, pumps	Cast iron (Grey iron spheroidal iron)	IATF 16949 ISO9001 AD2000 CE/PED ...	Manual Automatic Vertical Horizontal	0,5 to 20.000	Raw (R): CT8 Finished (F): ISO2768-mk
Precision casting (15 in China 3 in Eastern Europe)	Automotive Food industry Machines Valves, pumps	Spheroidal iron Steel Stainless steel Steel alloy Copper	IATF 16949 ISO9001 AD2000 CE/PED API 6D ...	Automatic mould Resin Water glass	0,05 to 400	R: CT4-CT8 F: ISO2768-mk
Die casting (13 in China 4 in Eastern Europe)	Automotive Machines Valves, pumps	Aluminium Alu alloy	IATF 16949 ISO9001	Equipment with 60 to 3000t	0,01 to 30	R: CT6-CT9 F: ISO2768-mk
Forging (7 in China 3 in Eastern Europe)	Automotive Machines Valves, pumps	Steel Stainless steel	IATF 16949 ISO9001 AD2000 CE/PED...	Press with 5 to over 1000t	0,5 to 120	R: EN10243-1 F F: ISO2768-mk
Stamping (3 in China 5 in Eastern Europe)	Automotive Machines	Alu alloy Steel Stainless steel	IATF 16949 ISO9001	Equipment with 60 to 1000t	0,02 to 30	R: +/-0,1 F: ISO2768-mk

What we can do for you

Our core competencies



Main focus in the industry: mechanical engineering, energy industry, pump and valve manufacturing (liquids and gaseous substances), automotive industry, etc.



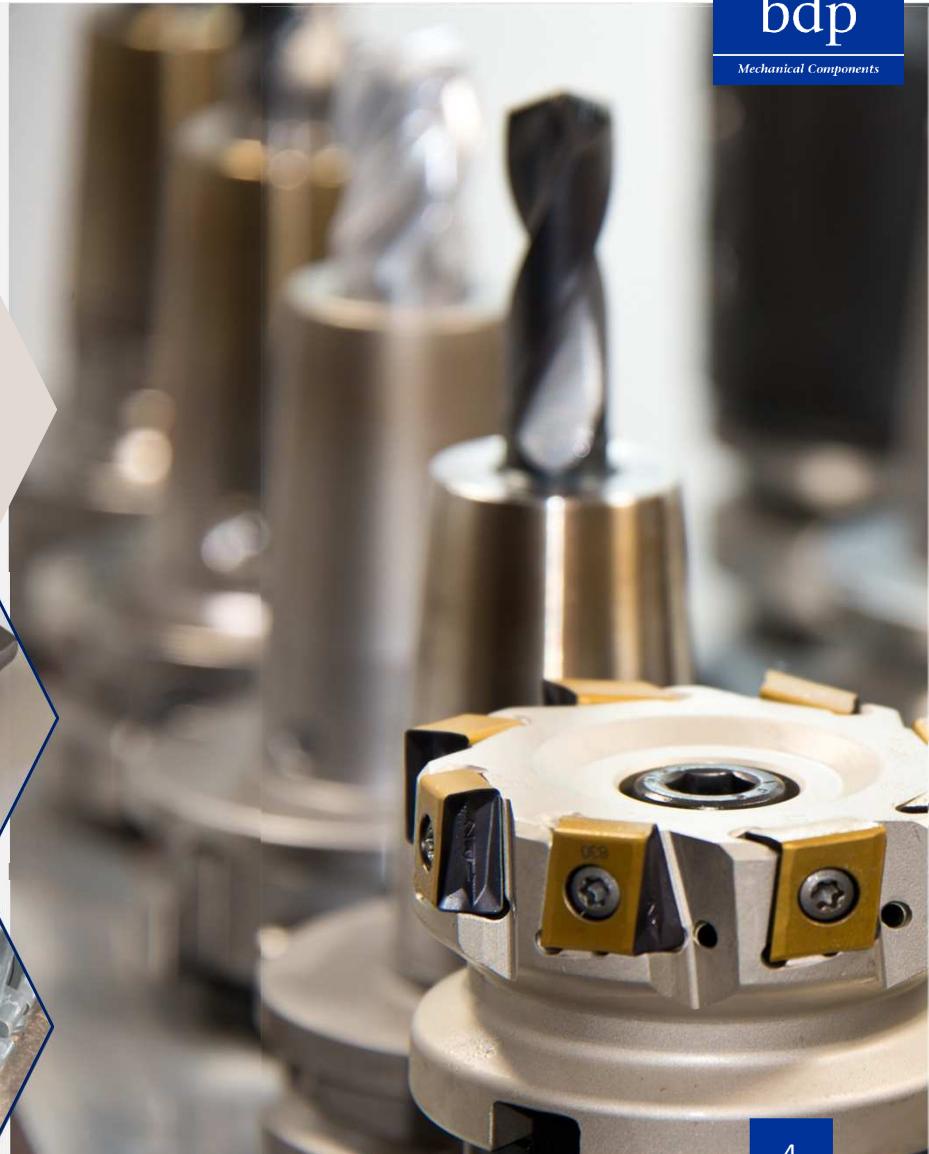
Specialized in the delivery of mechanical components according to customer design, pattern design, from small to medium series

Main focus in the use of materials: cast and forged parts with lamellar and spheroidal graphite, steels (including stainless steel), cast aluminum etc..

We are able to supply complete components, e.g. also with coating and assembly



Consulting services in various areas such as management, technical advice, import-export, international procurement



What we can do for you

Our process



Feasibility analysis, procurement and price determination

- Careful analysis of drawings and customer requirements
- Selection of suitable production processes
- Selection of suitable producers from our production sites in Eastern Europe and China
- Technical and costs analysis by our engineers on site with the selected producers
- Comparison and negotiation of producers' offers
- Final offer to customers

Development

- Project development and project start-up together with our producer.
- Our engineers ensure the quality of the production on site
- Delivery of initial samples

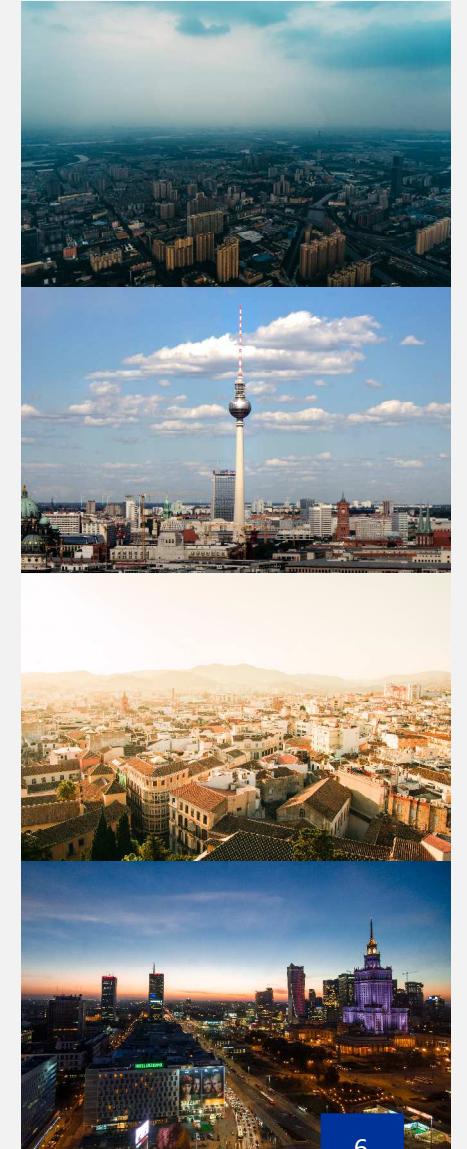
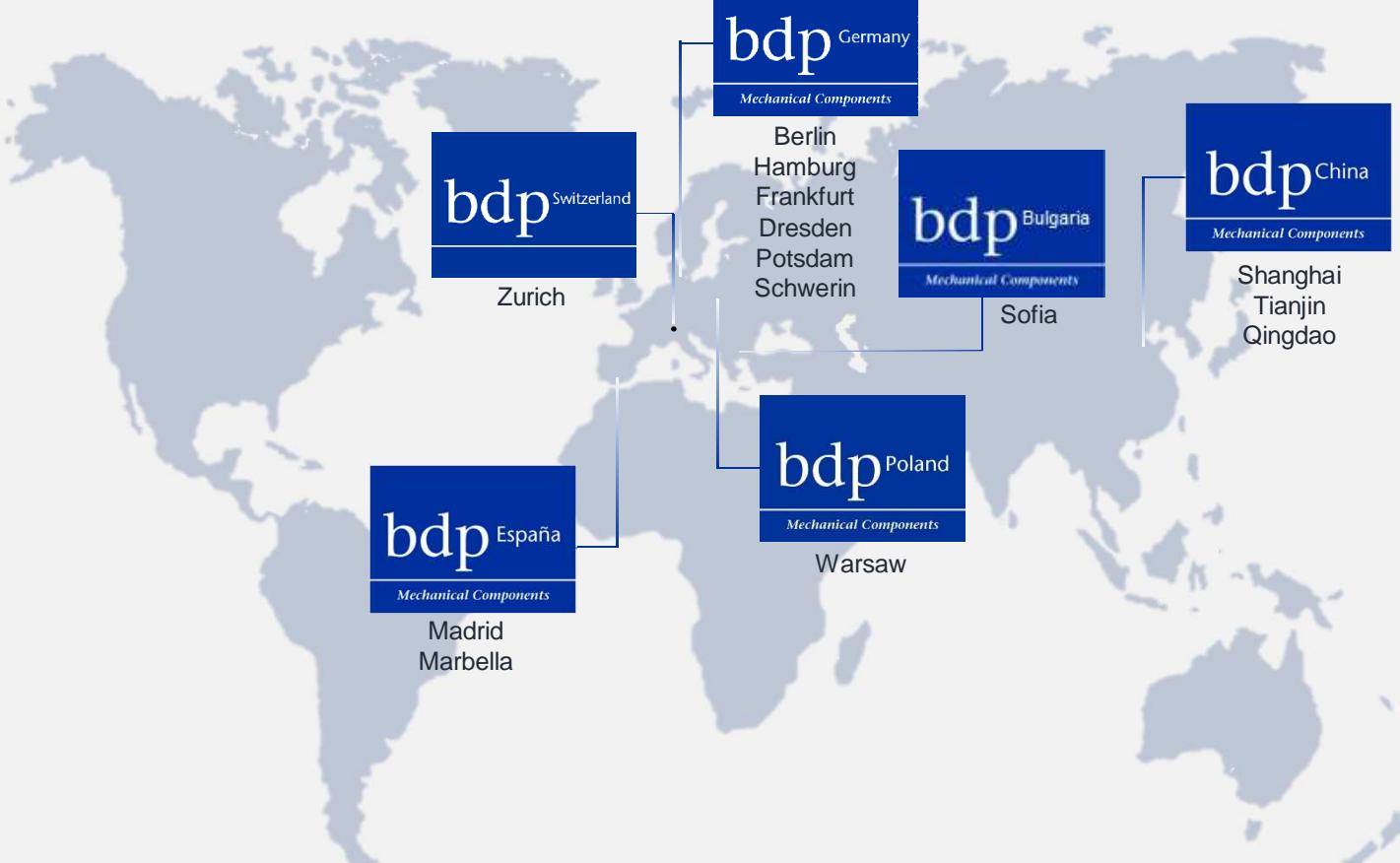
Production- and quality control

- After approval of the samples, our engineers will control and ensure the production process up to the PPAP batch
- FME analysis
- After PPAP approval: introduction of suitable measures for serial production to ensure the quality requirements of the customer, e.g. 100% dimension and material inspection
- Supervision of production during the entire duration of the project

Throughout the entire period of cooperation, we are constantly available for communication and consulting purposes,

About us

Our locations



About us

Our Team



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CEO of bdp group



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Partner bdp China
COO bdp MC



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GM
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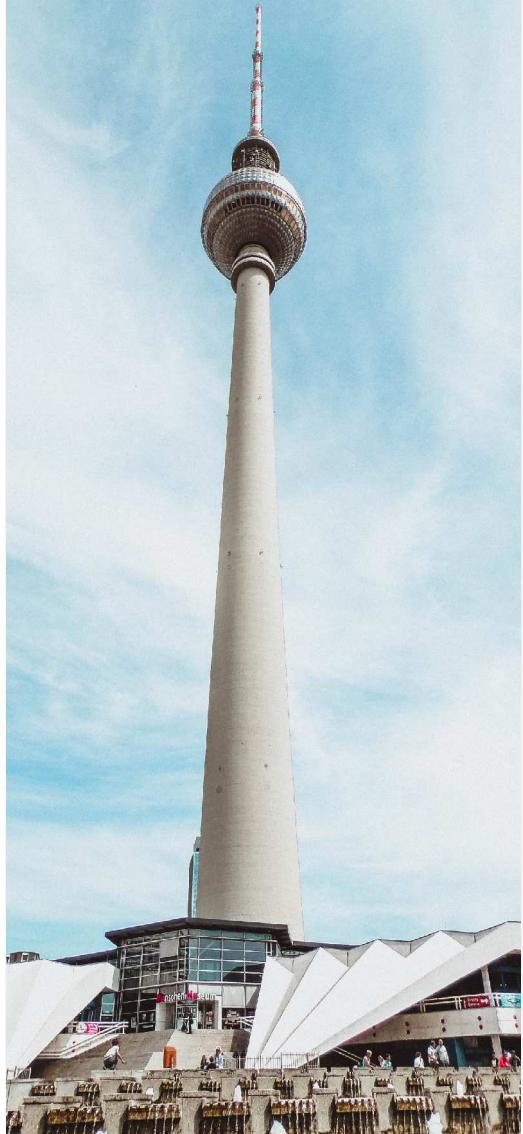
Technical Sales
bdp Germany



Sebastian Thiele

Head of Sales
bdp Germany

Together we form the bdp group



bdp

Bormann · Demant & Partner

- Company founding
- Financial and payroll accounting
- Tax consulting
- Legal consulting
- Due diligence

bdp

Revision und Treuhand

- Annual and consolidated financial statements audit
- Internal Control System (ICS)
- Internal and external revision
- Special audit
- Due diligence

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Management Consultants

- Management consulting
- Process optimization
- Restructuring
- Financing
- M&A Germany / China

bdp China

Management Consulting

- Company founding
- Annual and consolidated financial statements audit
- Financial and payroll accounting
- Tax consulting
- Legal consulting

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Mechanical Components

- Sourcing, consulting and support
- Sourcing, analysis and selection of suitable production partners
- Supplier audit
- Outsourcing of purchasing
- Inspection and quality control
- Pattern production and R&D



Product examples (1/8)

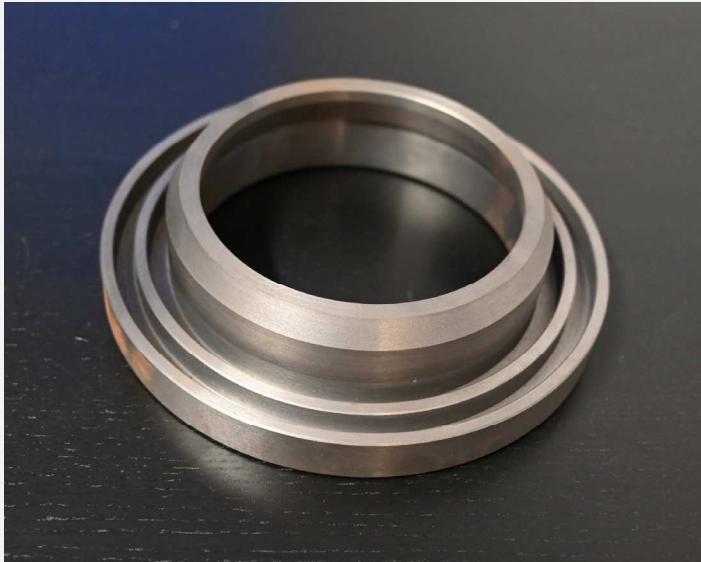


Product name: locking sleeve
Application: automotive
Production process: sand casting
Material: EN-GJMB-550-4 EN1562
Dimension (LxBxH, in mm): ca. 88x65x56
Weight (kg): 0,3
Annual volume: 450.000 – 900.000 pcs



Product name: guiding block
Application: automotive
Production process: machining
Material: Steel
Dimension (\varnothing xH, in mm): ca. 26x24
Weight (kg): 0,16
Annual volume: 500.000 pcs

Product examples (2/8)



Product name: labyrinth ring
Application: automotive
Production process: sand casting + machining
Material: EN GJS 400
Dimension ($\varnothing \times H$, in mm): ca. 234x56
Weight (kg): 3,8
Annual volume: 40.000 – 70.000 pcs



Product name: sleeve
Application: automotive and train
Production process: cold drawing + machining
Material: Steel
Annual volume: 20.000 – 150.000 pcs

Product examples (3/8)



Product name: Knife valve
Application: fluid transport
Production process: sand casting + machining
Material: EN GJS 400
Dimension (mm): DN 5 – DN 800
Weight (kg): 5 – 220
Annual volume: 500 – 3.000 pcs



Product name: gas valve housing
Application: gas & fluid transport, safety part, DCTG class 3 (for some dimensions even more strict)
Production process: die casting + machining
Material: EN AC 47100
Dimension (LxBxH, in mm): ca. 140x96x102
Weight (kg): 0,9
Annual volume: 25.000 pcs

Product examples (4/8)

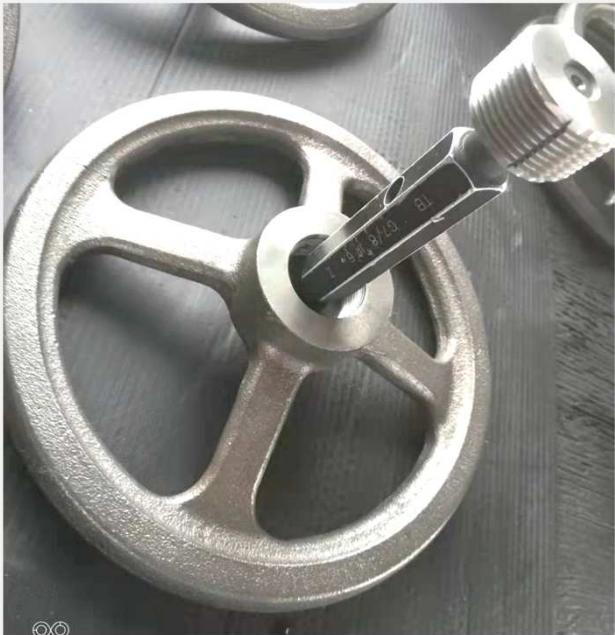


Product name: Gas valve lower bottom part
Application: gas transport, safety part with high requirements on tolerance and precision
Production process: die casting + machining
Material: AlSi9Cu3
Dimension (LxBxH, in mm): 70x40x8
Weight (kg): 0,03
Annual volume: 300.000 pcs

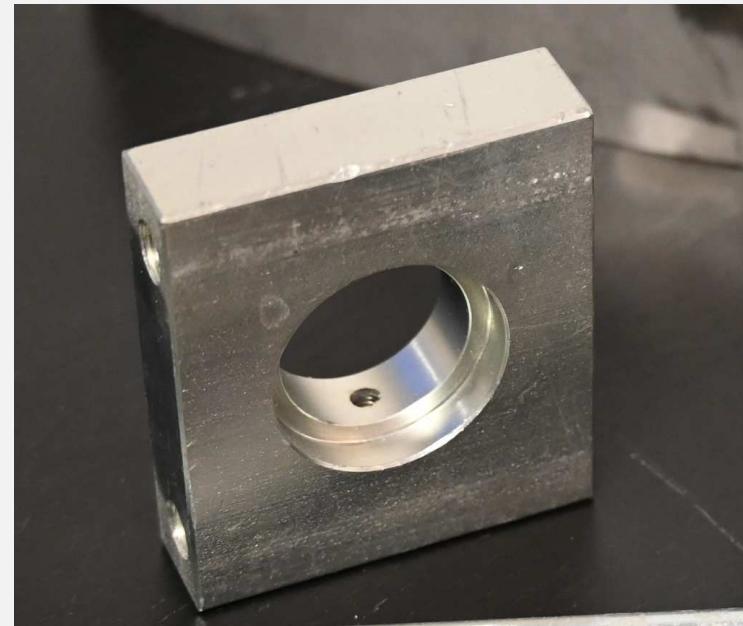


Product name: Cover
Application: gas transport, safety part with high requirements on tolerance and precision
Production process: die casting + machining
Material: EN AC 47100
Dimension (mm): DN 40, DN 50
Weight (kg): 0,4 – 0,7
Annual volume: 14.000 St

Product examples (5/8)

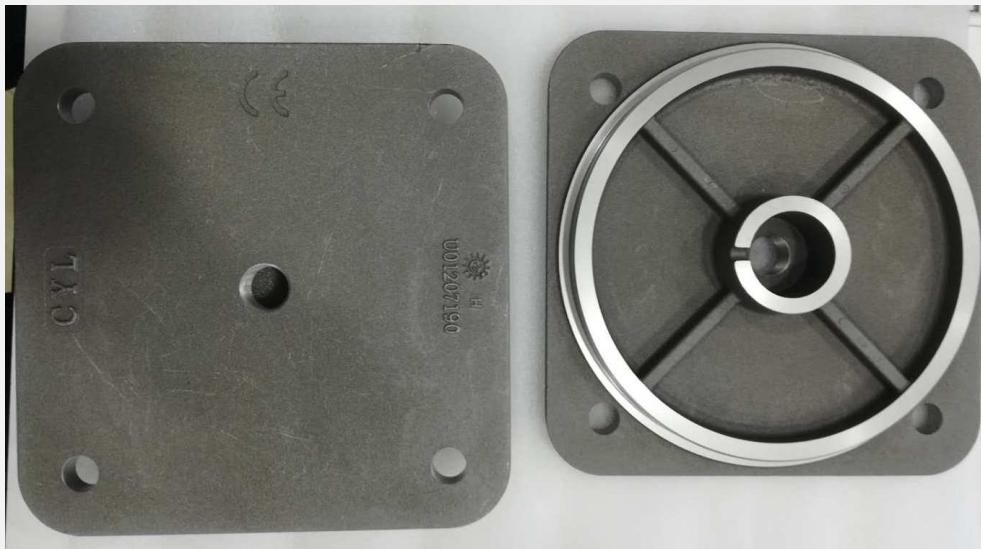


Product name: hand wheel
Application: fluid transport
Production process: sand casting + machining
Material: EN GJL 250
Dimension (mm): DN 50 – DN100
Weight (kg): 2 – 20
Annual volume: 3.000 pcs



Product name: valve bridge
Application: fluid transport
Production process:
cold drawing + machining + Zinc plating
Material: Q235 Steel
Dimension (ØxH, in mm): ca. 234x56
Weight (kg): 3,8
Annual volume: 2.000 pcs

Product examples (6/8)



Product name: valve cover

Application: fluid transport

Production process: die casting + machining

Material: aluminium

Dimension (LxBxH, in mm): ca. 140x140x70
180x180x90
210x210x100

Weight (kg): 2,5

Annual volume: 5.000 St



Product name: nut

Application: fluid transport

Production process: cold forging + machining

Material: CuZn39Pb1Al-B

Dimension (mm): DN 50 to DN 600

Weight (kg): 0,23 – 18

Annual volume: 1.000 St

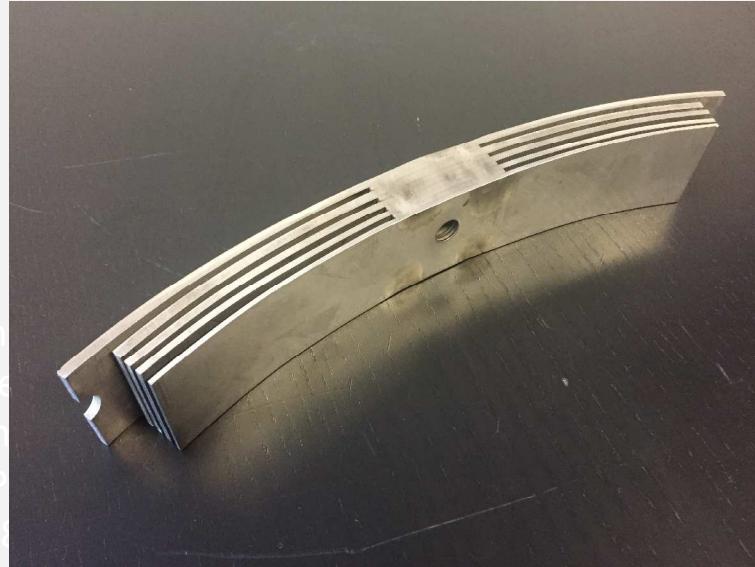
Product examples (7/8)



Product name: rubber sealing
Application: valve
Production process: plasticating
Material: NBR / EPDM / VITON
Dimension (mm): DN 80 to DN 300
Weight (kg): 0,24 – 1,48
Annual volume: 2.000 pcs

nung: Gummi
Einsatz: Ve
sverfahren
l: NBR / EP
(mm): DN 8

- Gewicht (kg): 0,24 – 1,48
- Jahresvolumen: 2.000 St



Product name: insulation kit
Application: train
Production process: cold forming + machining + welding
Material: stainless steel
Dimension (LxBxH, in mm): ca. 250x50x15
Weight (kg): 0,5
Annual volume: 800 pcs

Product examples (8/8)



Product name: double-threaded Screw
Application: fastening
Production process: machining
Material: steel
Dimension (L, in mm): 50 – 600
Weight (kg): 0,1 – 2
Annual volume: 1.000 pcs



Product name: Rotating Part
Application: electrical conduction
Production process: sand casting
Material: CuSn10-GS
Dimension (LxBxH, in mm): ca. 370x40x60
180x50x100
Weight (kg): ca. 2
Annual volume: 800 St

Customer reference



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Sourcing Centre China

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We look forward to working with you!

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