

Task Analysis Form

To rightly understand your application needs, kindly provide us with as much information as possible of your area of application and industry, when providing us with the specifications.

Please fill in the enclosed form to assess your needs and send us the completed form by mail/courier at

Acme Alloys Private Limited
WH-76
Mayapuri Industrial Area
Phase-I
New Delhi-110 064
India.

Or alternatively

Fax us at **+91-11-514 6900, 540 5799**

Should you encounter any difficulty or need support, you can directly contact, Mr. Vishal Kumar, Managing Director &Head-Manufacturing by phone at **+91-98-111-15423** or by e-mail at kumar.vishal@vsnl.com

We will be replying to your queries within 24 hours of receiving the information.

We look forward to serving your needs.

Best regards.

Engineering & Industrial Marketing Team
Acme Alloys

About your company

Name

Address

Telephone (with country code)

Fax (with country code)

e-mail

Website

Contact Person & Designation

Best contacting time (GMT)



Tel: +91-11-5143474, 513 3021
Fax:+91-11-514 6900, 540 5799
Web: www.acmealloys.com

1. Standard Parts / Fasteners

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.....
.....
Example
Part name: Hexagonal Bolt M 25 x 50 mm with washer
Standard: ISO, DIN, ASTM, BS and the like
For example, Fasteners in General ISO 21.060.01
Bolts, screws and studs ISO 21.060.10
Material: Equivalent to wrought alloy type AISI 310 heat resisting material
Alloy: For example, ACI/ASTM HT-30 Heat resisting stainless steel

Part Name: Example: Grinding Media Ball
Size: 50 mm
Material: Wear and abrasion resistant
Alloy: Cr-Mo Carbon Steel with Rockwell Hardness Number (HRC): 55-65

2. Casting/ Custom Made Parts & Components

We need at *least one* of the following to offer you our a quotation

- Detailed part drawing with dimension tolerances and machined surfaces required
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.....
- Failed part or component whose replacement part is to be made
.....
.....
- The part itself (sample) whose replica is desired
.....
.....

3. Product Form

- As-cast.....
- As-cast and heat - treated.....
- As-cast, heat treated and cleaned.....
- As-cast, heat -treated, cleaned and proof-machined.....
- Fully finished to specifications.....



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4. Material Specifications

ASTM or any other recognized standard like ISO, DIN, BS, ANSI, AISI. Tell us the alloy standard, specification and grade that you want

- Material specification required.....
.....
- Material specification to be reviewed and specified by us.....
.....
- Custom made alloy specially designed and manufactured by us to meet you application
.....
.....

5. Categories-Products & Alloys

- Steel castings, carbon
- Steel castings, chromium nickel
- Steel castings, chromium molybdenum
- Steel castings, ferritic
- Steel castings, high boron content
- Steel castings, manganese
- Steel castings, non-magnetic, austenitic
- Stainless steel castings
- Steel castings, abrasion resistant
- Steel castings, heat resistant
- Steel castings, corrosion resistant
- Steel castings, wear resistant
- Steel castings, alloyed, high temperature
- Steel castings, high temperature, creep resistant
- Steel castings, case hardening quality
- Steel castings, alloyed, for welding purposes
- Steel castings, precision
- Steel castings, magnetic

- Steel castings for valves
- Steel castings, surgical implant blanks



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- Steel castings, stainless steel for food industry
- Steel castings for pumps and pump parts
- Steel castings for the paper industry
- Steel castings for the engineering industry
- Steel castings for the aerospace industry
- Steel castings for the automotive industry
- Steel castings for the road transport industry
- Steel castings for the shipbuilding industry and marine engineering
- Steel castings for the oil industry
- Steel castings for the electrical industry
- Steel castings for the nuclear power industry
- Steel castings for the chemical industry
- Steel castings for the mining industry
- Steel castings, alloyed, for structural use
- Steel castings, machined to customer specifications
- Steel castings, precision, to customer specifications
- Steel and alloyed steel castings to aircraft specifications
- Steel castings to customer specifications

- Cast irons, high alloy
- Cast irons, heat resistant
- Cast irons, corrosion resistant
- Cast irons, abrasion resistant
- Cast irons, wear resistant
- Cast irons, nickel alloyed
- Cast iron, chromium alloyed

Tool steel castings

Cast Nickel Alloys

Cast Cobalt Alloys

Cast Titanium Alloys



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6. Number of Parts

What is the total requirement of parts?

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Do you want the parts to be manufactured and shipped to you in batches? If yes, what would be batch order quantity?

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If sample castings or fully finished parts/components are required, the following additional requirements should be provided

- Number of samples required
.....
- Non-destructive examination requirements
.....
- Dimensional examination requirements
.....
- Physical properties of key significance, for example hardness
.....
- In-process inspection, if required
.....
- Final machining approval, if required
.....
- Special tests and conformances, if required
.....

7. Supplementary Requirements

- Test methods
.....
.....
- Acceptance criteria
.....
.....

8. Operating Environment

Any other information that might contribute to the production and use of the part

- Industry or area of application
.....
- Corrosive media- solid, liquid, gas, air, slurry, paste, get etc.



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- Heat environment-solid, liquid, gas, air with their operating temperatures
- Wear and abrasion environment
- Operating pressure
- Load bearing, limiting stresses and safety requirements
- Duty and service requirements
- Desired performance and life expectancy of the part/component
- Others

Special Process Requirements

If the castings or fully finished components are to be supplied to special process requirements, please mention below

- Chemistry specification, composition and ranges
- Mechanical test specifications and ranges
- Hardness Numbers Ranges
 - Brinell Hardness Number.....
 - Rockwell Hardness Number.....
 - Vickers Hardness Number.....
 - Others.....
- Impact test, type and results
 - Charpy Test.....
 - Izod Test.....
 - Others.....
- Ultrasonic examination including coverage requirements, specification, standard, and quality levels
- Magnetic particle or dye penetration testing including coverage requirements, specification, standard and quality levels



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- Radiography examination including coverage requirements, specification, standard and quality levels

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- Visual surface examination and special surface finish requirements

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Delivery, Packaging, and Shipping Preferences

- Special packaging & labeling – use of recyclable paper, board, polyethylene materials

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- Preferred Shipping Method & Company

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- Expected earliest and latest delivery dates

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Any other point not covered in the form that you would like us to take care of while processing your query/order.

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Thank you for taking the time to fill the task assessment form. We will soon revert to your query.

*Engineering & Industrial Marketing Team
Acme Alloys*