



#### RRK Alloys

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**RRK ALLOYS**  
**RRK HITECH INDUSTRIES P LTD**



Manufacturer of  
**Machined & Unmachined Steel Valve Castings**

**Reliable quality.**  
**Reachable target.**  
**Knowledgeable experts.**





## Quality Policy

RRK is committed to deliver quality castings as per International Standard, which meets more than customer's expectation by continually improving its Quality Management System.

**RRK** engaged in manufacturing and exporting a wide range Carbon Steel, Stainless Steel, Low Alloy Steel, Heat Resistant Steel, Martensitic Stainless Steel (CA6NM), Precipitated Hardened Steel (CB7Cu-1), Nickel Alloy and Duplex Stainless Steel Castings to Customer Specification and Drawing.

RRK today earned a reputation in Valves Industry, Pump Industry, General Engineering Industry, Power Plant, Mining and Mineral Industries by setting high business standards, in depth engineering knowledge and experience. We achieved this by keep in close contact with our customers, suppliers, subcontractors & logistic partners.

## RRK - Infrastructure

### Factory premises:

- **RRK Alloys**  
Owned land area: 40,670 Sq. Ft. & Building covered area: 16,548 Sq. Ft.
- **RRK Hitech Industries**  
Owned land area is 1,00,000 Sq. ft. and Building covered area: 36,234 Sq. Ft.
- **Pattern Shop facility:**  
CAD / CAM facility for Method Drawing. Facility for teak wood and aluminium pattern making, mounting and repairing and Storage.
- **Moulding facility:**  
Hand Moulding CO<sub>2</sub> Process Sand Casting.  
CO<sub>2</sub> Process cores, Shell cores, Airset (No Bake) cores and oil cores.
- **Melting Facility:**  
125 KW Induction Furnace with 250 Kg double crucible in RRK Alloys. (Single Piece Weight - 175 Kgs Max)  
550 KW Induction Furnace with 2.5 Ton

and 500 Kg crucible in RRK Hitech Industries P. Ltd., (Single Piece Weight 1500 Kgs Max.)

- **Fettling facility:**  
3000 Kg Bogie hearth Electric Heat treatment Furnace.  
500 Kgs capacity hook type shot blasting machine.  
600 Amps Welding Rectifier with air arc gouging and pre heating arrangements.  
Acid pickling and passivation facilities.
- **Laboratory & Testing facilities:**  
Spectrometer: Spectro Lab (Germany) model, 32 elements analyzing capacity.  
40 Ton Computerized Universal Testing Machine with Electronic Extensometer Attachments.  
Impact Testing machine & Brinell Hardness testing machine.  
IGC Testing facilities for Practice A, B, C & E methods.  
Invertor type metallurgical microscope.
- **Test Certificates:**  
EN 10204 Type 3.1 Test Certificate & Type 3.2 Test Certificates.

- **Casting Inspection facilities:**  
2000 Amps Florescent Method Magnetic Particle Testing Equipment.  
Dye Penetrant Testing facility.  
Radiography and Ultrasonic testing are outsourced at approved service providers.  
RT, UT, MT, PT & VT evaluations are carried out by ASNT Level II qualified RRK NDT personnel.



## RRK - Products

### Carbon Steel

- ASTM A 216 Gr : WCB/WCC
- ASTM A 216 Gr : WCB/EN 10213 1.0619
- EN 10213 :1.0619/1.0625
- EN 10213 :1.0619/1.0625 ASTM A 216 Gr : WCB/WCC

### Low Alloy Steel:

- ASTM A 487 Gr : 4A, 4C, 4D, 9C
- ASTM A 352 Gr : LCB, LCC, LC3, LC1
- ASTM A 217 Gr : WC1, WC6, WC9, C5, C12, C12A
- ASTM A 217 Gr : WC6 / EN 10213 1.7357
- ASTM A 352 Gr : LCB / SEW 685 1.1138
- ASTM A 352 Gr : LCC / EN 10213 1.6220

### Stainless Steel:

- ASTM A 351 Gr : CF3 / CF8
- ASTM A 351 Gr : CF8 / EN 10213 1.4308
- ASTM A 351 Gr : CF8M / EN 10213 1.4408
- ASTM A 351 Gr : CF3M / CF8M
- ASTM A 351 Gr : CF3M / EN 10213 1.4409
- ASTM A 351 Gr : CF8C / EN 10213 - 1.4552
- ASTM A 351 Gr : CK3MCuN

### Martensitic Stainless Steel:

- ASTM A 217 Gr : CA15 , CA 40
- ASTM A 487 Gr : CA6NM
- ASTM A 352 Gr : CA6NM

### Preceipitated Hardened Steel:

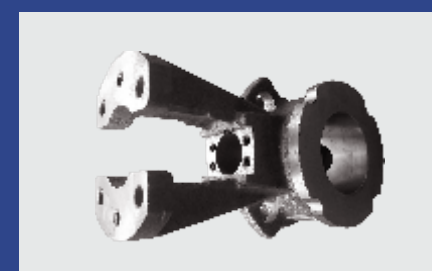
- ASTM A 747 Gr : CB7Cu 1

### Nickel Alloy:

- ASTM A 494 Gr : CW12MW, CZ 100, M35 1, M 30 H, CX2MW, CU5MCuC, CW6MC, CY 40

### Duplex Steel:

- ASTM A 890 / 995 Gr: CD4MCu, CD3MN (4A), CD3MCuN (1C), CE3MN (5A), CD3MWCuN (6A)



*Certifications*



ISO 9001:2008



AD 2000 Merkblatt WO



PED 97/23/EC



NORSOK M650 Ed. 5