



# RANFLEX METALS

An ISO 9001-2008 Certified Company  
Manufacturers and Stockholders of Stainless Steel Fasteners

## INTRODUCTION

We've got what you need to get your project going, or back on track. As a direct manufacturer, we have the ability to custom fabricate at a moment's notice, ensuring the fastest response time available.

**RANFLEX METALS** provides to the OEM market additional flexibility in servicing our customers; quality and a variety of products that has made us a leader in our industry. These are just a few key elements to our success.

### STUDS

- All Thread
- Double-End
- Collar Studs
- Combination
- Single-End
- Step Studs
- Tap Ends
- Specials

### Stud Bolt Materials . . .

- B7 PLAIN, CAD, TEFLON
- B8 STAINLESS STEEL
- B8 M 316 STAINLESS STEEL SOCKET HEAD
- B1
- L
- PLAIN

- ZINC
- CAD
- TEFLON

**Including:**

**Alloy Steels**

- 4130
- 4140
- 4340
- 8620
- 8740
- ASTM A193 Grade B7
- ASTM A193 Grade B7M
- ASTM A193 Grade B16
- ASTM A194 Grade 4
- ASTM A194 Grade 7
- ASTM A194 Grade 7M
- ASTM A194 Grade 16
- ASTM A320 Grade L7
- SAE J429 Grade 8

**Aluminum Alloys**

- Aluminum 2024-T4
- Aluminum 6061-T6

**Carbon Steels**

- 1018
- 1045
- 1117
- 12L14

- 1215
- ASTM A36
- ASTM A194 Grade 2H
- ASTM A194 Grade 2HM

### **Copper Alloys**

- Aluminum Bronze CDA 614
- Aluminum Bronze CDA 630
- Aluminum Bronze CDA 632
- Aluminum Bronze CDA 642
- Brass
- Copper CDA 110
- Cupro-Nickel 70-30
- Cupro-Nickel 90-10
- Naval Brass
- Silicon Bronze CDA 655

### **Stainless Steels**

- 13-8 MO
- 25-6 MO
- 303
- 304
- 304 Strain Hardened
- 304L
- 309
- 310
- 316
- 316 Strain Hardened
- 316L

- 317L
- 321
- 330
- 347
- 410
- 416
- 422
- 430
- 431
- 440C
- 501 HT
- AL6XN
- Alloy 20 (Carpenter 20)
- Duplex 2205
- Nitronic 32
- Nitronic 40
- Nitronic 50
- Nitronic 60
- ASTM A193 Grade B5
- ASTM A193 Grade B6
- ASTM A193 Grade B6X
- ASTM A193 Grade B8
- ASTM A193 Grade B8 Class 2
- ASTM A193 Grade B8A
- ASTM A193 Grade B8C
- ASTM A193 Grade B8M
- ASTM A193 Grade B8M Class 2

- ASTM A193 Grade B8MA
- ASTM A193 Grade B8R
- ASTM A193 Grade B8S
- ASTM A193 Grade B8T
- ASTM A194 Grade 3
- ASTM A194 Grade 6
- ASTM A194 Grade 6F
- ASTM A194 Grade 8
- ASTM A194 Grade 8 Strain Hardened
- STM A194 Grade 8A
- ASTM A194 Grade 8C
- ASTM A194 Grade 8F
- ASTM A194 Grade 8M
- ASTM A194 Grade 8M Strain Hardened
- ASTM A194 Grade 8R
- ASTM A194 Grade 8S
- ASTM A194 Grade 8T
- ASTM A320 Grade B8
- ASTM A320 Grade B8M
- ASTM A564 Type 630 (17-4 PH)

### **Super Alloys**

- A286 (ASTM A453 Grade 660)
- Inconel 718
- Inconel X750
- Incoloy 800H
- Incoloy 825
- K-Monel 500

- Monel 400
- Monel 405
- MP35N
- Nickel 200
- Waspaloy
- Hastelloy C276
- Inconel 600
- Inconel 601
- Inconel 625

#### **Titanium**

- 6AL-4V ELI
- ASTM B348 Grade 2
- ASTM B348 Grade 5

#### **Tools Steels**

- A-2
- H-11
- H-13
- T-75

- Manufacturing and supply of high tensile alloy steel and stainless steel fasteners and stems for Industrial valves applicable to high pressure, high temperature or low pressure and low temperature application. Our manufacturing range from 1/4" to 4" and M6 to M105 applications
- With more than two decades of experience and continuous product development, we are acknowledged experts in manufacturing fully threaded stud bars, Hexagonal machine bolts, collar head bolts, structural bolts, hexagonal nuts, stems for industrial valves cover plate & motor support bolts for slurry pumps and other threaded components of odd sizes and specifications to suit customer specific needs.
- Our efficient manufacturing and stringent quality assurance facilities coupled with reputed sources of raw material manufacturers in India and abroad gives us the flexibility to match any

customer specific demands for any application related to petroleum, chemical, fertilizer, nuclear, off shore oil & marine, petrochemical & gas, Structural, Pump & heavy engineering industries.

- You can count on RANFLEXMETALS to get your material and accompanying documentation right. We provide the highest quality high tensile fasteners and stems produced under written procedures and backed by a quality control system with an industry reputation for consistent excellence.
  
- Our fasteners and stems for industrial valves are heat treated in calibrated furnaces under strict quality supervision to get the best results from the following processes:
  - i) Annealing
  - ii) Normalizing
  - iii) Quenching
  - iv) Tempering
  - v) Stress relieving
  - vi) Carbide Solution treatment
  
- Inventory:-Considerable stock of raw material is available for realising tight delivery schedules mainly during shutdown periods of petroleum, chemical and fertilizer units
  
- In-depth technical knowledge, manufacturing expertise and a business philosophy based on principles of Quality and Service ensure a full understanding of customer requirements. Our production facility is fully equipped with a unique blend of traditional manufacturing skills combined with the latest computer technology enabling us to provide the widest range of fasteners and stems quickly, competitively and at the highest possible levels of manufacturing excellence.
  
- RM manufactures fasteners to satisfy the requirements of the most hostile environments such as aqueous and dry corrosion extremes of temperatures and high levels of stress. As such conditions demand absolute quality our commitment to quality is an even updating process.
  
- Fasteners can be supplied with certification from UHDE (I) Ltd, Chemtex Engg. of India Ltd, FEDO, BVIS, DNV, PDIL, BAX Counsel, Toyo, H&G and other consultants/inspection agencies if required.
  
- Coat and Finish:  
All our products are available in the full range of surface finishes and coating given below:
  1. Cadmium
  2. Zinc
  3. Phosphate
  4. Hot dip spun Galvanized

5. Nickel
6. Chromium
7. Fluro carbon and
8. Cadmium

All the above are processed by fully approved sub-contractors to RANFLEX METALS

WITH WARM REGARDS,

SHRENIK DOSHI

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