

RR HYDRAULIC

# FULL PRODUCT CATALOGUE

2025 – 2026 EDITION

Industrial Fasteners · Flanges · Pipe Fittings

10,000+  
SKUs

50+  
Countries

25+  
Years

48hr  
Dispatch

ISO 9001:2015 CERTIFIED

**Email:** sales@rrhydraulics.com

**Phone:** +91 831 879 1454 / +91 800 9315 333

**Website:** www.rrhydraulics.com

**Address:** Thane, Maharashtra, India



## PRECISION FASTENERS

ISO 9001:2015 · 50+ Countries · 25+ Years

[Nuts & Bolts](#)

[Screws & Anchors](#)

[Industrial Fasteners](#)

[Flanges](#)

[Pipe Fittings](#)

[Custom & Specialty](#)

# Table of Contents

<b>01</b>	<b>Company Overview</b>	<b>3</b>
<b>02</b>	<b>Nuts &amp; Bolts</b>	<b>4</b>
<b>03</b>	<b>Screws &amp; Anchors</b>	<b>5</b>
<b>04</b>	<b>Industrial Fasteners</b>	<b>6</b>
<b>05</b>	<b>Flanges</b>	<b>7</b>
<b>06</b>	<b>Pipe Fittings</b>	<b>8</b>
<b>07</b>	<b>Custom &amp; Specialty</b>	<b>9</b>
<b>08</b>	<b>Materials &amp; Grades</b>	<b>10</b>
<b>09</b>	<b>Standards Reference</b>	<b>11</b>
<b>10</b>	<b>Industries We Serve</b>	<b>12</b>
<b>11</b>	<b>Quality &amp; Certifications</b>	<b>13</b>
<b>12</b>	<b>Why Choose RR Hydraulic</b>	<b>14</b>
<b>13</b>	<b>Contact &amp; Ordering</b>	<b>15</b>

## IMPORTANT NOTICE

All specifications, sizes and grades are indicative and for reference only.  
Confirm specifications with our engineering team before ordering.  
Custom sizes, exotic materials and third-party certifications available on request.

# About RR Hydraulic

RR Hydraulic is an ISO 9001:2015 certified manufacturer and global exporter of industrial fasteners, pipe flanges and pipe fittings, headquartered in Thane, Maharashtra, India. For over 25 years we have supplied EPC contractors, OEM manufacturers and industrial distributors in more than 50 countries with high-quality fastening solutions.

Our manufacturing facility produces over 10,000 SKUs — from standard hex bolts to exotic Inconel 625 stud bolt assemblies — all under ISO 9001:2015 with complete traceability.

**10,000+****SKUs**

All grades

**50+****Countries**

Global

**25+****Years**

Since 1999

**ISO****9001:2015**

Certified

## MANUFACTURING CAPABILITIES

### Size Range

M2 screws to M100 jumbo bolts · ½" to 48" flanges and fittings  
· Custom to your drawing

### Material Range

CS · SS 304/316 · Alloy Steel · Duplex 2205/2507 · Inconel ·  
Hastelloy · Monel · Titanium

### Quality System

ISO 9001:2015 certified · Full MTRs, dimensional inspection  
and PMI testing on every order

### Export Service

CIF and FOB worldwide · Full export documentation · 50+  
countries served

### Dispatch Time

48-hour dispatch on stock · 7–21 days custom manufacturing ·  
Air freight available

### Custom Work

Non-standard sizes, exotic alloys, specialty coatings, bolting  
kits, prototype to production

# NUTS & BOLTS

**500+ SKUs**

Complete bolting solutions — hex bolts, stud bolts, anchor bolts, nuts and specialty hardware in all grades.

**STANDARDS & GRADES**
**DIN 931 / 933 / 934**
**ISO 4014 / 4017 / 4032**
**ASME B18.2.1 / B18.2.2**
**Grade 4.6 / 8.8 / 10.9 / 12.9**
**ASTM A193 B7 · A194 2H**
**A2-70 · A4-70 (SS)**
**SIZE RANGE**
**M3 – M100**
**MATERIALS**

Carbon Steel · SS 304/316 · Alloy · Inconel · Duplex

**KEY PRODUCTS IN THIS CATEGORY**
**Hex Bolts — Full Thread**

DIN 933 / ISO 4017 / ASME B18.2.1 · M4–M100 · Grade 4.6 to 12.9

**Hex Bolts — Part Thread**

DIN 931 / ISO 4014 · M6–M100 · CS / SS / Alloy / HDG

**Stud Bolts**

ASTM A193 B7 · A320 L7 · Flange-end &amp; tap-end · M10–M100 / ½"–4"

**Heavy Hex Nuts**

ASTM A194 2H / 2HM · ASME B18.2.2 · ½"–4" · CS &amp; Alloy Steel

**Hex Nuts — Standard**

DIN 934 / ISO 4032 · M3–M100 · CS / SS 304/316 / Alloy / Brass

**Flange Bolts**

DIN 6921 · M5–M24 · Grade 8.8 / 10.9 · CS &amp; SS 304/316

**Anchor Bolts**

J-bolt &amp; L-bolt · ASTM F1554 · M12–M64 · CS / HDG / SS 316

**Eye Bolts & U-Bolts**

DIN 580 / DIN 3570 · Forged · M6–M64 · CS &amp; SS 316

# SCREWS & ANCHORS

**300+ SKUs**

Precision screws and high-performance anchoring systems for every substrate, structure and application environment.

**STANDARDS & GRADES****DIN 912 / 7981 / 7982****ISO 7045 / 4762****ASME B18.3****Class 4.8 / 8.8 / 12.9****ETA Approved Anchors****A2-70 · A4-70 (SS)****SIZE RANGE****M2 – M36 / #4 – #14****MATERIALS**

Carbon Steel · SS 304/316 · Brass · Nylon · HDG

**KEY PRODUCTS IN THIS CATEGORY****Machine Screws — Pan & CSK Head**

DIN 7985 / 965 · M2–M16 · PH / PZ / Torx / Allen · CS / SS / Brass

**Socket Cap Screws**

DIN 912 / ISO 4762 · M3–M36 · Grade 12.9 / A2-70 / A4-70

**Allen Countersunk Screws**

DIN 7991 · M4–M20 · Grade 10.9 / A2 / A4

**Set Screws / Grub Screws**

DIN 914 / 916 · Cup / cone / flat / dog point · M3–M24

**Self-Tapping Screws**

Type A / B / AB / C · DIN 7981 · #4–#14 · CS &amp; SS 304/316

**Self-Drilling (Tek) Screws**

DIN 7504 · Point #1–#5 · Steel-to-steel &amp; steel-to-timber

**Chemical Anchors**

Epoxy &amp; vinylester · ETA approved · M8–M39 · Cracked concrete

**Wedge & Sleeve Anchors**

M6–M24 · ETA approved · Zinc plated / HDG / SS 316

# INDUSTRIAL FASTENERS

800+ SKUs

The complete hardware range — threaded rods, washers, pins, retaining rings, rivets and specialty inserts for every industry.

## STANDARDS & GRADES

DIN 975 / 125 / 127 / 471 / 472

ISO 888 / 7089 / 7090

Grade 4.8 / 8.8 · A2 · A4

Spring Steel · SS 303 / 304

HDG to BS EN ISO 1461

Brass · Nylon · PTFE

### SIZE RANGE

**M3 – M64 / Ø 1 – 300 mm**

### MATERIALS

CS · SS · Brass · Spring Steel · Nylon · HDG

## KEY PRODUCTS IN THIS CATEGORY

### Threaded Rods — Full Thread

DIN 975 / ISO 888 · M6–M64 · 1m / 2m / 3m · CS / SS 304/316 / HDG

### Flat Washers

DIN 125 / ISO 7089 · M3–M100 · CS / SS 304/316 / Brass / Nylon

### Spring / Split Lock Washers

DIN 127 / ISO 7090 · M3–M48 · CS spring steel / SS 304/316

### Dowel Pins — Ground & Hardened

DIN 6325 / ISO 8734 · Ø 1–50 mm · Case hardened CS / SS 303

### Circlips — Internal & External

DIN 471 (shaft) · DIN 472 (bore) · Ø 3–300 mm · Spring Steel / SS

### Blind Rivets (Pop Rivets)

ISO 15983 · Aluminium &amp; SS · 3.2–6.4 mm · All head types

### Hose Clamps

DIN 3017 · Worm drive &amp; T-bolt · 8–450 mm · CS / SS 304/316

### Turnbuckles

DIN 1480 · Eye / hook / jaw ends · M6–M36 · CS / HDG / SS

# FLANGES

**600+ SKUs**

ANSI, DIN and EN flanges in all types, all pressure classes and all material grades — from standard stock to exotic alloys.

**STANDARDS & GRADES**
**ANSI / ASME B16.5 / B16.47**
**DIN 2573 / 2633 / 2527**
**EN 1092-1 (PN 6 – PN 100)**
**IS 6392 · API 6A / 6B**
**ASME B16.48 (Spectacle Blind)**
**Pressure Class 150 to 2500**
**SIZE RANGE**
**1/2" – 48" / DN 15 – DN 1200**
**MATERIALS**

A105 · A182 F304/316/F11/F22/F51/F53

**KEY PRODUCTS IN THIS CATEGORY**
**Slip-On Flange**

ANSI B16.5 · DIN 2573 · 1/2"–24" · Class 150–600 · RF / FF / RTJ

**Weld Neck Flange**

ANSI B16.5 / B16.47 · 1/2"–48" · Class 150–2500 · All facings

**Blind Flange**

ANSI B16.5 · DIN 2527 · All pressure classes · 1/2"–48"

**Socket Weld Flange**

ANSI B16.5 · 1/2"–3" · Class 150–2500 · A105 / A182

**Threaded Flange**

ANSI B16.5 · NPT / BSP thread · 1/2"–4" · All pressure classes

**Spectacle Blind Flange**

ASME B16.48 · API 590 · 1/2"–24" · Class 150–2500

**Orifice Flange Pair**

ANSI B16.36 · WN &amp; SO type · 1"–16" · Class 300–2500

**Long Weld Neck (LWN)**

ANSI B16.5 · 1/2"–24" · All pressure classes &amp; facings

# PIPE FITTINGS

**400+ SKUs**

Butt weld and forged pipe fittings to ASME B16.9 and B16.11 in all schedules, pressure classes and materials.

**STANDARDS & GRADES**
**ASME B16.9 (Butt Weld BW)**
**ASME B16.11 (Forged SW / THD)**
**DIN 2605 / 2615 / 2616**
**MSS SP-43 / SP-75**
**Class 3000 / 6000 / 9000**
**Schedule 10S to XXS**
**SIZE RANGE**
**1/2" – 48" / Sch 10S – XXS**
**MATERIALS**

A234 WPB · A403 WP304/316 · WP11/22/91

**KEY PRODUCTS IN THIS CATEGORY**
**Elbow 90° Long & Short Radius**

ASME B16.9 · DIN 2605 · 1/2"–48" · All schedules · All grades

**Elbow 45° Long Radius**

ASME B16.9 · DIN 2606 · 1/2"–48" · All schedules · BW ends

**Equal Tee**

ASME B16.9 · DIN 2615 · 1/2"–48" · All schedules · All materials

**Concentric & Eccentric Reducer**

ASME B16.9 · 3/4"x1/2" to 24"x20" · All schedules

**End Cap**

ASME B16.9 · 1/2"–24" · A234 WPB / A403 WP304 / WP316

**Forged Elbow SW & THD 90° / 45°**

ASME B16.11 · 1/2"–4" · Class 3000 / 6000 / 9000

**Full & Half Coupling SW / THD**

ASME B16.11 · 1/2"–4" · Class 3000 / 6000

**Union & Reducer Insert**

ASME B16.11 · Socket Weld &amp; Threaded · 1/2"–4"

# CUSTOM & SPECIALTY

[To Drawing](#)

Non-standard sizes, exotic alloys and specialty coatings — manufactured precisely to your drawing, sample or specification.

## STANDARDS & GRADES

[Any DIN / ISO / ASME / BS / JIS](#)
[EN 10204 3.1 / 3.2 MTR](#)
[NACE MR0175 Compliance](#)
[PMI · Third-Party TPI](#)
[Custom thread forms](#)
[Prototype to full production](#)

### SIZE RANGE

**Any — to customer drawing / sample**

### MATERIALS

Inconel · Hastelloy · Titanium · Monel · Duplex++

## KEY PRODUCTS IN THIS CATEGORY

### Extra-Long Bolts

Lengths up to 3000 mm · M6–M100 · CS / SS / Alloy — any grade

### Left-Hand & Fine Pitch Thread

LH thread · Fine pitch · ACME · Trapezoidal · M4–M64

### Titanium Fasteners

Grade 2 (pure) & Grade 5 Ti-6Al-4V · 45% lighter than steel

### Inconel Fasteners 600/625/718

High-temperature & corrosion resistant · All fastener types

### Hastelloy Fasteners C-276/C-22

Chemical & acid resistant · EPC & process plant

### Specialty Coated Fasteners

Geomet · Dacromet · PTFE coating · Electroless Nickel plating

### Flange Bolting Kits

Stud bolt + heavy hex nut + gasket sets · Per ASME B16.5 · All sizes

### Special Head Form Bolts

Square head · T-head · Dome · Mushroom · Any material / coating

# Materials & Grades Available

We manufacture in all major metals and exotic alloys. Contact our team for any grade not listed.

## Carbon Steel

ASTM A193/A194 · A307 · A325 · A490 · Grade 4.6/8.8/10.9/12.9

### APPLICATIONS

Construction · Structural steel · General engineering · Infrastructure

## Stainless Steel

SS 304 (A2) · 316 (A4) · 316L · 310 · 321 · 410 · 904L

### APPLICATIONS

Marine · Chemical processing · Food-grade · Pharmaceutical

## Alloy Steel

ASTM A193 B7 · A320 L7 · 4140 · 4340 · A325 · A490

### APPLICATIONS

Oil & gas bolting · Power generation · High-temperature flanged joint

## Duplex SS

Duplex 2205 — UNS S31803 · Super Duplex 2507 — UNS S32750

### APPLICATIONS

Offshore · Subsea · Desalination · Chloride service environments

## Inconel

Inconel 600 · 625 · 718 · 800 · 825 · Incoloy 825 / 925

### APPLICATIONS

Gas turbines · Aerospace · High-temperature chemical plant

## Hastelloy

Hastelloy C-276 · C-22 · B-2 · B-3 · Ni-Mo-Cr alloy

### APPLICATIONS

Strong acids · FGD systems · Chemical reactors · Pharma

## Monel

Monel 400 · Monel K500 · Nickel-copper alloy · UNS N04400

### APPLICATIONS

Marine · Seawater systems · Offshore equipment

## Titanium

Grade 2 — Pure Titanium · Grade 5 — Ti-6Al-4V · UNS R56400

### APPLICATIONS

Aerospace · Medical · Marine · Chemical processing

## Brass & Copper

Brass CuZn · C360 · C464 · Copper C110 · Admiralty Brass

### APPLICATIONS

Electrical · Plumbing · Marine · OEM instrumentation

# International Standards Cross-Reference

Product	DIN	ISO	ASME/ANSI	ASTM Material
Hex Bolt FT	DIN 933	ISO 4017	B18.2.1	A307 / A325
Hex Bolt PT	DIN 931	ISO 4014	B18.2.1	A307
Hex Nut	DIN 934	ISO 4032	B18.2.2	A194 2H
Stud Bolt	DIN 939	ISO 4033	B16.5	A193 B7
Socket Cap	DIN 912	ISO 4762	B18.3	A574
Flat Washer	DIN 125	ISO 7089	B18.22.1	F436
Spring Washer	DIN 127	ISO 7090	B27.1	F959
Slip-On Flange	DIN 2573	ISO 7005	B16.5	A105/A182
Weld Neck Flge	DIN 2633	ISO 7005	B16.5/47	A105/A182
BW Elbow 90°	DIN 2605	ISO 3419	B16.9	A234/A403
Equal Tee BW	DIN 2615	ISO 3419	B16.9	A234/A403
Threaded Rod	DIN 975/976	ISO 888	B18.31	A307

## ADDITIONAL STANDARDS WE COVER:

EN 14399 · BS 4190 · PED 2014/68/EU · IS 1363/1364/1367/6392 · JIS B1180/B2220  
 API 6A/6B/590 · MSS SP-43/SP-75 · NACE MR0175 · AWWA C207 · AS 3566

# Industries We Serve

**01****Oil & Gas**

Stud bolts, weld neck flanges, forged fittings and alloy B7 hardware for upstream, midstream and downstream — NACE MR0175

**02****Power Generation**

High-temperature alloy F11/F22/F91 stud bolts and flanges for turbines, boilers, heat exchangers and steam lines

**03****Petrochemical**

Complete piping BOM in SS, Duplex and Hastelloy for refineries, chemical plants and large EPC projects

**04****Construction/EPC**

Structural hex bolts, wedge anchor systems, threaded hanger rods — complete BOM supply with full documentation

**05****Marine & Offshore**

SS 316, Super Duplex 2507 and Monel 400 fasteners for offshore platforms, shipbuilding and subsea pipeline systems

**06****Automotive / OEM**

Machine screws, ground dowel pins, circlips and threaded inserts — precision fasteners for assembly lines

**07****Infrastructure**

EN 14399 high-strength structural preloading bolts for bridges, stadiums, high-rise buildings and transport networks

**08****Chemical Process**

Hastelloy C-276, Inconel 625 and Titanium fasteners for acid-resistant reactors, pressure vessels and process plant

# Quality & Certifications

Every order ships with a complete documentation package. Full traceability from raw material to final dispatch.

01

## ISO 9001:2015 Certified

Full quality management system. Every product tracked with complete traceability from raw material to final dispatch.

02

## Material Test Reports (MTR)

EN 10204 3.1 and 3.2 MTRs — chemical composition and mechanical properties issued with every order on request.

03

## Dimensional Inspection

100% dimensional inspection on all custom orders. AQL 2.5 statistical sampling on standard stock products.

04

## PMI — Positive Material ID

Portable XRF spectrometer positive material identification confirming alloy grade on every exotic alloy order.

05

## NACE MR0175 Compliance

Full sour service compliance documentation for H2S oil and gas environments — available for all stud bolt orders.

06

## Third-Party Inspection (TPI)

Independent inspection, testing and witnessing by Bureau Veritas, SGS and Intertek at our facility.

07

## Heat Treatment Certificates

Certification for stress relieving, full annealing, normalising and quench & temper operations.

08

## Hardness Testing

Rockwell HRC/HRB and Brinell hardness testing with certified reports on all custom manufactured orders.

## ISO 9001:2015 CERTIFIED MANUFACTURER

All products manufactured under our certified QMS with complete material traceability

Quality certificate on request · [sales@rrhydraulics.com](mailto:sales@rrhydraulics.com)

# Why Choose RR Hydraulic

**01**

## Direct Manufacturer Pricing

No middlemen, no markups. Factory-direct pricing on all orders. We match any verified competitor quote — quality never compromised.

**02**

## Widest Product Range

Over 10,000 SKUs across fasteners, flanges and fittings. One supplier for your entire project BOM — no multiple vendors.

**03**

## Any Material Available

Carbon steel to exotic Inconel, Hastelloy, Titanium and Duplex. Any grade manufactured precisely to your specification.

**04**

## Complete Documentation

MTRs, dimensional reports, heat treatment certs, PMI and NACE MR0175 — everything your project QA team requires.

**05**

## Fastest Delivery

In-stock items dispatched within 48 hours. Custom orders in 7 to 21 days. Air freight for critical EPC schedules.

**06**

## 25 Years of Expertise

Our team helps specify the correct grade. Trusted by major EPC contractors, oil & gas operators and OEM manufacturers.



## CONTACT & ORDERING

Send your enquiry, BOM or drawing — receive a competitive quote within 24 hours.

### PHONE

**+91 831 879 1454**

Mon–Fri 9AM–6PM IST

### ALT. PHONE

**+91 800 9315 333**

Mon–Sat

### EMAIL

**sales@rrhydraulics.com**

Sales & Technical Quotes

### WHATSAPP

**+91 831 879 1454**

Fastest — 2–4 hr response

### WEBSITE

**www.rrhydraulics.com**

Full product range online

### EXPORT

**sales@rrhydraulics.com**

24/7 international support

### HEAD OFFICE & MANUFACTURING FACILITY

## RR Hydraulic Precision Fasteners

Building No.2 EXN-1, Rajprabha Udyog Nagar, Golani Naka, Waliv Vasi East, Thane 401208, Maharashtra, India

### HOW TO PLACE AN ORDER

**01**

#### Send Enquiry

Email or WhatsApp your BOM,

**02**

#### Receive Quote

Competitive formal quotation

**03**

#### Confirm Order

Approve quote, provide PO and

**04**

#### Dispatch

48hr stock · 7–21 days custom ·

**www.rrhydraulics.com**

sales@rrhydraulics.com · +91 831 879 1454 · Thane, Maharashtra, India