





TOTAL FASTENERS SOLUTIONS
Manufacturing, Sourcing & Distribution





# RENOWN THE WORLD OVER

RFI group has wealth of expertise & experience in manufacturing of precision quality fasteners & machining components and its distribution across the globe. At RFI business philosophy is based on strict code of ethics and a commitment to deliver global quality products and services to the esteemed customers exceeding their expectations. In a very short time since inception exclusively catering to the exports, RFI, led by veterans of the fasteners industry, has established its huge customer base in Europe, USA & South East Asia and expanding market to Australia, Africa, & Middle East Asia. Our products have won global acceptance based on quality, timely delivery and service. And we are confident of continuing with the same momentum in the future.

# **MANUFACTURING:**

R. F. India established 2009 certified under FQA (Fasteners Quality Act) and as ISO 9001: 2015 as well ISO 14001: 2015 is 100% export fasteners trading of the group which is strongly backed up by its own spouse manufacturing Ridvan Fasteners India Pvt Ltd and other contract manufacturing associates.

Ridvan Fasteners India Pvt Ltd established 2012 is an IATF 16949: 2016, ISO 9001:2015, ISO 14001:2015, OSHAS 18001, CE & PED certified and registered under FQA (Fasteners Quality Act) company manufacturing of precision turned parts, highly precision CNC machined parts, dowel pins made from single spindle automatic lathes called traubs or cold forging and other secondary operations like drilling, tapping, grinding etc. Next three years major investment in manufacturing capacity and technology upgrade is planned with us. All other associate contract manufacturing companies supporting RFI for exports are ISO 9001:2015 certified and IATF 16949-2016 certified. Use of latest technology, continual investments in new machineries & the state of art measuring devices and adoptions of advanced Product Realisation Processes all have enhanced manufacturing capabilities and technical expertise for fast development of special components at RFI and its manufacturing associates.

#### **GLOBAL QUALITY PRODUCT RANGE**

RFI deliver precision quality fasteners, mainly from alloy steels and stainless steels but also from brass, aluminium, copper, titanium and other special materials. We ensure supplies conforming to all recognized national and international standards like IS, DIN, ISO, BS, ANSI/IFI, ASTM, JIS, AS or specific custom-made fasteners, in sizes from M2 to M64 (5/64 inch to 2-1/2 inch) diameter and length up to 500mm (20 inch) by forging and up to 3 meters by machining.

#### **SPECIALIZATION**

Our major strength in manufacturing are special drawing machined or turned components from bar stock or products which require secondary operations like turning, grinding, milling, drilling, tapping, reaming, boring, slotting, broaching etc after hot or cold forging. Small batches of production or prototype sample can be accommodated and every order is fulfilled with utmost care and attention

# STANDARD & SPECIAL CUSTOMISED FASTENERS & MACHINING COMPONENTS ACCORDING TO SPECIAL DRAWINGS & SPECIFICATIONS



# **REGULAR PRODUCTION DIN/ISO/ANSI PRODUCTS AS FOLLOW:**

**DIN** 1, 7, 39, 258, 404, 417, 427,431, 438, 439, 444, 464,465, 466, 467, 478, 479,480, 546, 547, 548, 551, 553,561, 564, 609, 610, 653, 703, 705, 835, 906, 908, 909, 910, 913, 914, 915, 916, 917, 920, 921, 923, 924, 925, 926, 927, 935, 936, 937, 938, 940, 949, 1441, 1443, 1444, 1445, 1479, 1587, 1804, 1816, 2509, 2510, 5525, 5526, 5586, 6303, 6319, 6324, 6325, 6330, 6331, 6332, 6334, 7604, 7642, 7643, 79468, 7977, 7978, 7979, 7979C, 7979D, 7991, 9841, 15058, 16903, 81698.

**ISO** 2338, 2339, 2341, 2342, 4035, 4766, 7379, 7380, 7434, 7435, 7436, 8734, 8735;

Hex & Round Spacers/Nuts with Std Metric & Inch Threads

Hex & Round Spacers/Nuts with Trapezoidal (TR) Thread Nuts

Hex & Round Spacers/Nuts with Acme and Special Extra coarse pitch Thread

Turnbuckles, Long Thread Hex/Round Sleeves/Spacers

ANSI B18.3 Socket Shoulder Screws; Electronic Socket and Slotted Shoulder Screws

ANSI B18.8.2 Dowel Pins, Pull Out Dowel Pins, Taper Pins, Clevis Pins.

Special Products According to Drawings are Our Main Strength.

Fully Machined From Bar Stock Through Single Spindle Traubs, Sliding Heads, Multi Spindle, CNC & VMC Machining And Products Required Various Secondary Operations Like Turning, Milling, Drilling, Slotting, Tapping After Cold/Hot Forging

#### **PRODUCT SIZE RANGE**

M2 TO M27 BY COLD FORGING M27 TO M 64 BY HOT FORGING 1 mm TO 300 mm BY MACHINING

# METRIC GRADES

AS PER ISO 898-I GRADES 4.6, 5.6, 5.8, 6.8, 8.8, 9.8, 10.9, 12.9, 45H SPECIAL CASE HARDENED PRODUCTS DOWEL PINS THROUGH HARD HRC 58-62 DOWEL PINS CASE HARD AS PER SPECS

#### **LENGTH**

UPTO 350 mm BY COLD FORGING UPTO 500 mm BY HOT FORGING UPTO 3 METERS BY MACHINING

#### **INCH GRADES**

INCH ASTM SAE J429 GRADE 2, 5, 5.2, 8, 9 SPECIAL CASE-HARDENED PRODUCTS DOWEL PINS CASE HARD AS WELL THRU HARD

### **MATERIALS**

#### ALLOY STEEL STAINLESS STEEL, BRASS, ALUMINIUM, TITANIUM

#### Common Available Grades as follow

(AISI 1010, 1015, 1018, 10B21, 1213, 1214, 12L14, 15B25, 15B41, 4135, 4140, 4340, 8620, 52100) (En1A, En1AL, En8, En9, En24, En24ESR, En31 and 100Cr6/1.3505)
STAINLESS A1-50 (AISI 303/1.4305), A2-70 (AISI-304/1.4301), A4-70 (AISI-316/1.4401),

A5-70 (AISI-316Ti/1.4571) AISI-410 (1.4006), AISI-416 (24005), AISI-420 (1.4021/1.4057), AISI-430 (1.4016) AISI-430F (1.4104), AISI-431 (1.4057), AISI-2020 (1.4373), AISI-204Cu (1.4057)

SPECIAL STAINLESS AISI 660, 17-4PH, 15-5PH A286

TITANIUM COMMERCIAL GRADE 2 & MEDICAL GRADE 5 (Ti6Al4V)

## **FINISHES**

- → Zinc Trivalent Plating in White, Blue, Yellow, Green & Black.
- → Dacromet & Geomet Coating
- → Zinc Iron & Zinc Manganese Plating
- → Cadmium Plating
- → Hot Dip Galvanizing
- → Zinc Phosphating & Magenise Phosphating
- → Stainless Steel Passivation
- → Ultrasonic Cleaning



# MAJOR STRENGTH PRODUCT RANGE





DIN 258 & 7977



DIN 6325 / ISO 8734





DIN 7 / ISO 2338



DIN 1443 / ISO 2340



DIN 7978 / ISO 8736



# **DOWEL PINS, TAPER PINS & CELVIS PINS**



DIN 464, 466, 653, 921 & 923











DIN 906, 908 & 910









# MACHINED DIN/ISO PARTS



DIN/ISO/ANSI	FIGURE	DESCRIPTION
DIN 1 ISO2339		TAPER PINS Kegelstifte
DIN 7 ISO2338	<del></del>	PARALLEL PINS Zylinderstifte
DIN 39		MACHINE HANDLES Ballengriffe, fest
DIN 258	1:50	TAPER PINS WITH THREADED END Kegelstifte mit Gewindezapfen
DIN 404		SLOTTED CAPSTAN SCREW Kreuzlochrauben mit Schlitz
DIN 417		SLOTTED GRUB SCREWS WITH FULL DOG POINT Gewindestifte mit Schlitz und Zapfen
DIN 427		SLOTTED HEADLESS SCREWS WITH CHAMFERED END Schaftschrauben mit Schlitz und Kegelkuppe
DIN 431		PIPE NUTS (CONDUIT LOCK NUTS) Rohrmuttern
DIN 438		SLOTTED GRUB SCREWS WITH CUP POINT Gewindestifte mit Schlitz und Ringschneide
DIN 439		HEXAGON THIN NUTS (LOCK NUTS) Sechskantmuttern, niedrig
DIN 444		SWIVEL BOLTS (EYE BOLTS) Augenschrauben
DIN 464		KNURLED THUMB SCREWS, HIGH TYPE Randelschrauben
DIN 465		KNURLED THUMB SCREWS SLOTTED Randelschrauben
DIN 466		KNURLED THUMB NUTS, HIGH TYPE Randelmuttern, hohe Form



DIN/ISO/ANSI	FIGURE	DESCRIPTION
DIN 467		KNURLED THUMB NUTS, THIN TYPE Randelmuttern, niedrige Form
DIN 478		SQUARE HEAD BOLTS WITH COLLAR Vierkantschrauben mit Bund
DIN 479		SQUARE HEAD BOLTS WITH HALF DOG POINT Vierkantschrauben mit Kernansatz
DIN 480		SQUARE HEAD BOLTS WITH COLLAR, HALF DOG POINT AND ROUNDED END Vierkantschrauben mit Bund und Ansatzkuppe
DIN 546		SLOTTED ROUND NUTS Schlitzmuttern
DIN 547		ROUND NUTS WITH DRILLED HOLES Zweilochmuttern
DIN 548		ROUND NUTS WITH SET PIN HOLES Kreuzlochmuttern
DIN 561		HEXAGON SET SCREWS WITH FULL DOG POINT Sechskantschrauben mit Zapfen
DIN 564		HEXAGON SET SCREWS WITH HALF DOG POINT, CONE END Sechskantschrauben mit Ansatzspitze
DIN 609		HEXAGON FITTED BOLTS, LONG THREAD Sechskant-Pabschrauben mit langem Gewindezapfen
DIN 610		HEXAGON FITTED BOLTS, SHORT THREAD Sechskant-Pabschrauben mit kurzem Gewindezapfen
DIN 653		KNURLED THUMB SCREWS, THIN TYPE Randelschrauben, niedrige Form
DIN 703		ADJUSTING RINGS, HEAVY RANGE (SHAFTING COLLARS) Stellringe, schwere Reihe
DIN 705		ADJUSTING RINGS, LIGHT RANGE (SHAFTING COLLARS) Stellringe, leichte Reihe



DIN/ISO/ANSI	FIGURE	DESCRIPTION
DIN 835		STUDS, METAL END Stiftschrauben, Einschraubende ~ 2d
DIN 906		HEXAGON SOCKET PIPE PLUGS, CONICAL THREAD Verschlubrauben mit Innensechskant, kegeliges Gewinde
DIN 908		HEXAGON SOCKET SCREW PLUGS, CYLINDRICAL THREAD Verschlubschrauben mit Bund und Innensechskant, Zylindrisches Gewinde
DIN 909		HEXAGON HEAD PIPE PLUGS, CONICAL THREADS Verschlubschrauben mit Aubensechskant, kegeliges Gewinde
DIN 910		HEXAGON HEAD SCREW PLUGS, CYLINDRICAL THREAD Verschlubschrauben mit Bund und Aubensechskant, zylindrisches Gewinde
DIN 917		HEXAGON CAP NUTS Sechskant-Hutmuttern, niedrige Form
DIN 921		SLOTTED LARGE CHEESE HEAD SCREWS Flachkopfschrauben mit Schlitz und grobem Kopf
DIN 923		SLOTTED CHEESE HEAD SHOULDER SCREWS Flachkopfschrauben mit Schlitz und Ansatz
DIN 927		SLOTTED SHOULDER SCREWS Zapfenschrauben mit Schlitz
DIN 935		HEXAGON SLOTTED AND CASTLE NUTS Kronenmuttern
DIN 936		HEXAGON THIN NUTS (LOCK NUTS) Flache Sechskantmuttern
DIN 937		HEXAGON THIN SLOTTED AND CASTLE NUTS ~ 1d Kronenmuttern, neidrige Form ~ 1d
DIN 938		STUDS, METAL END ~ 1d Stiftschrauben, Einschraubende ~ 1d
DIN 939		STUDS, THREADED END ~ 1, 25d Stiftschrauben, Einschraubende ~1, 25 d



DIN/ISO/ANSI	FIGURE	DESCRIPTION
DIN 940		STUDS, METAL END ~ 2, 5 D Stiftschrauben, Einschraubende ~ 2, 5 d
DIN 949		STUDS WITH METRIC INTERFERENCE THREAD MFS, METAL END :-1 ~ 2 d, - 2 ~ 2, 5 d Stiftschrauben, mit metrischem Festsitz-gewinde MFS, Einschraubende :-1 ~ 2 d, - 2 ~ 2, 5 d
DIN 1443	<del></del>	CLEVIS PINS WITHOUT HEAD Bolzen ohne Kopf
DIN 1444		CLEVIS PINS WITH HEAD Bolzen mit Kopf
DIN 1445		CLEVIS PINS WITH HEAD AND THREADED END Bolzen mit Kopf und Gewindezapfen
DIN 1479		TURNBUCKLES (CENTER PARTS) MADE OUT OF HEXAGON BARS Sechskant-Spannschlobmuttern
DIN 1587		HEXAGON DOMED CAP NUTS (ACORN NUTS) Sechskant-Hutmuttern, hohe Form
DIN 1804		SLOTTED ROUND NUTS FOR HOOK-SPANNER Nutmuttern
DIN 1816		ROUND NUTS WITH SET PIN HOLES Kreuzlochmuttern
DIN 2509		DOUBLE END STUDS WITH FULL SHANK Schraubenbolzen
DIN 2510		DOUBLE END STUDS WITH REDUCED SHANK (WAISTED STUDS) Schraubenbolzen mit Dehnschaft
DIN 5525		CLEVIS PINS FOR RAIL VEHICLES, WITHOUT HEAD Bolzen ohne Kopf fur Schienenfahrzeuge
DIN 5526		CLEVIS PINS FOR RAIL VEHICLES, WITH HEAD Bolzen mit Kopf fur Schienenfahrzeuge
DIN 5586		LOCKING SCREWS WITH COLLAR AND VENT Verschlubschrauben m. Bund u. Entluftung mit aufgeschmolzener Dichtung



DIN/ISO/ANSI	FIGURE	DESCRIPTION
DIN 6303		KNURLED NUTS Randelmuttern
DIN 6311		THRUST PADS Druckstucke
DIN 6319		SPHERICAL WASHERS, CONICAL WASHERS Kugelscheiben C, Kegelpfannen D, G
DIN 6325		PARALLEL PINS Zylinderstifte, gehartet
DIN 6330 DIN 6331		HEXAGON NUTS, 1,5 d ONE SPHERICAL FACE AND ONE PLAIN FACE HEXAGON NUTS WITH COLLAR, 1, 5 d Sechskantmuttern, 1, 5 d hoch Sechskantmuttern mit bund, 1, 5 d
DIN 6332		GRUB SCREW WITH THRUST POINT Gewindestifte mit Druckzapfen
DIN 6334		HEXAGON NUTS, 3d Sechskantmuttern, 3d hoch
DIN 7604		HEXAGON HEAD SCREW PLUGS WITH COLLAR Verschlussschrauben mit Bund und AuBensechskant
DIN 7642 DIN 7643		RING TYPE NIPPLES, HOLLOW SCREWS Ringstutzen fur Lotverbindungen Hohlschrauben fur Ringstutzen
DIN 7968		HEXAGON FITTED BOLTS FOR STEEL STRUCTURES Sechskantschrauben mit Pabschaft
DIN 7977		TAPER PINS WITH THREADED END Kegelstifte mit Gewindezapfen
DIN 7978		TAPER PINS WITH INTERNAL THREAD Kegelstifte mit Innengewinde
DIN 7979		PARALLEL PINS WITH INTERNAL THREAD Zylinderstifte mit Innengewinde
DIN 7991		COUNTER SUNK HEAD SCREWS WITH HEXAGON SOCKET Senkschrauben mit Innensechskant



DIN/ISO/ANSI	FIGURE	DESCRIPTION
DIN 9841		HEXAGON SOCKET HEAD SHOULDER SCREWS Zylinderschrauben mit Innensechskant und Ansatz-Schaft
DIN 15058	$\bigcirc$	AXLE HOLDER (LIFTING APPLIANCES) Achshalter (fur Hebezeuge)
DIN 16903		THREADED INSERTS FOR PLASTIC Gewindebuchsen fur Kunststoff-Formteile
DIN 81698	+	EYE BOLTS WITH SMALL EYE Augenschrauben mit kleinem Auge
ISO 2341		CLEVIS PINS WITH HEAD Bolzen mit Kopf
ISO 7379		HEXAGON SOCKET HEAD SHOULDER SCREW Pab-Schulterschrauben mit Innensechskant
ISO 7380		HEXAGON SOCKET BUTTON HEAD SCREW Flachkopfschrauben mit Innensechskant
STAND OFFS		MALE FEMALE HEX AND ROUND SPACERS FEMALE HEX AND ROUND SPACERS
ACME/TR THREADED NUTS		ACME/TR (TRAPEZOIDAL) THREADED NUTS Trapezgewindemutter
ANSI B18.3		INCH SOCKET SHOULDER SCREWS
ELECTRONICS SHOULDER SCREWS		ELECTRONIC INCH & METRIC SOCKET AND SLOTTED SHOULDER SCREWS
ANSI B18.8.2	4°-16° →	INCH MACHINED HARDENED & GROUND DOWEL PINS
ANSI B18.8.2		INCH MACHINED STAINLESS DOWEL PINS
ANSI B18.8.2		INCH FLAT VENT PULL OUT HARDEND & GROUND MACHINED DOWEL PINS

# PRODUCTION FACILITIES









# Percussion made to deliver performance

- Multi Station Cold Forging ranging M3 to M27 (1/8 Inch to 1-1/8 Inch)
- Hot Forging upto M64 (2-1/2 Inch)
- CNC Lathe Machines for Diameter up to 300mm
- CNC Vertical Machining Centers upto 300mm
- Single Spindle Automatic Traub upto 64mm
- Centerless Grinding
- Cylindrical Grinding
- Surface Grinding
- Flat Thread Rolling Machines
- Circular Thread Rolling Machines
- Horizontal and Vertical Tapping Machines
- Conventional Drilling Machines
- SPM Drilling Machines for Long Drilling
- Conventional & Capstan Lathe Machines
- Milling Machines, Polygon Turning
- Continuous Heat Treatment Furnace
- Batch type Heat Treatment Furnace
- Surface coating as Zinc Phosphating, Manganese Phosphating, Trivalent Zinc Plating in White, Yellow, Green, Black Passivation, Dacromet, Geomet & Magni, Cadmium Plating
- Thread Loackings Nylon Patch, Pre Coat, Loctite
- VCI paper and VCI Polybags special packing.





# **Our Services for Export**



Our current exports are mainly in Europe, USA & South East Asia to distributors as well end users. We are expanding our exports horizon to other parts of the world. With the help of efficient system and using expertise of experienced team, we select well-established medium sized manufacturers and sub-contractors, providing following benefits to our overseas customers

- Efficient single line of communication for our customers, thus reducing communication efforts and cost at our customers end.
- Cost advantage due to our low overheads
- Using product specific quality suppliers for each product. Only selected ISO and TS suppliers with expertise in required products.
- Regular process and quality audits based on our customer's expectations are handled by our expert quality team.
- Reduced cost of sourcing by consolidation of shipments from different producers and making single delivery for our customers.

- Reducing customer's inventories to minimum level by reducing number of suppliers and cost
- We offer long terms fixed contracts taking all risks of raw material price variations and currency fluctuations into our account.
- Minimum lead/delivery time. We also help in handling last minute jobs.
- All plain steel natural parts are packed in VCI paper/polybags and with best specific recommended rust preventive oil irrespective of customers specific requirement to make sure transit and add on extra precaution of rust prevention.

### **FULL SERVICE PROVIDER FOR EXPORTS**

- Flexibility to handle ExWorks/FOB/CIF/ DAT/DDU/DDP shipments as per customer requirements.
- Small shipments less than 100kg well taken care by courier(UPS/FedEx/DHL/TNT) mode.
- Small packing, Special packing, Special boxes, Euro Pallets, Bar coded labels as per customer requirements.
- Payment terms flexibility basis strategic customer relationships.
- Specialized in efficient management of customers
- demand by managing inventories at source based forecasts. Also offer consignment inventories on demand at customer's location. We also offer warehousing support in destination country. Warehouse arrangements in Germany & USA.
- Delivering to customer's line on-site quality engineer on request.

Please login www.rfindia.com for our standard terms and conditions apply unless otherwise agreed upon separately.



# Quality Inbuilt at every stage



All of our products & processes meet national or international specifications exactly as per requirements without any deviation. All our manufacturing associates are TS 16949 or min ISO 9001 certified having expertise in fasteners industry from many decades which ensures right knowledge and product quality moreover our quality engineers take care process verification and pre delivery inspection. We ensure 100% traceability up to raw material heat of mill through our warehousing procedure of FIR (Final inspection reports) of each lot. Unless otherwise stated differently ISIR is provided with each lot. Full PPAP documents can be processed upon requests.

Although all production facilities are equipped with the necessary inspection facilities but RFI has independent owned lab for in process and PDI inspections. We also provide third party inspection reports when specified or requested by our customers.

#### Some of the on-site inspection equipment include:

- Digital Micrometer
- Digital Blade Micrometer
- Digital Pitch Micrometer
- V. Anvil Micrometer
- Digital Vernier Caliper
- **■** Bevel Protector
- Bench Set
- Profile Projector with DRO system
- Roughness Tester Ra, Rz, Rt, Pt
- Hardness Tester in various scale HRB, HRC, HV at different loads
- Universal Testing Machine
- Surface Plate
- Puppy Dial Indicator
- Digital Height Gauge
- Slip Gauge Box

- Coordinate Measuring Machine
- Microscope
- Polishing Machine
- Coating Thickness tester
- Salt Spray Testing
- Magna Flux

- Eddy Current
- Thread Ring Gauges
- Thread Plug Gauges
- Plain Plug Gauges
- Plain Bore Gauges



Thread Ring gauges and Plugs gauges are imported from same country where we export mainly from Germany and USA. We are always open to make justified new investments on measuring equipment in line with customer's expectation and to upgrades labs.

## QUALITY CREDENTIALS













Ridvan Fasteners India Pvt. Ltd.

# RFI CORPORATE HOUSE



# RFI TEAM & CONTACTS

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# RFI

# Your Fasteners and Machined Components **SOURCING PARTNER**



# Come, Tap our Global Capabilities





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