



sturdfix
FASTENERS & FIXINGS

SINGHANIA INTERNATIONAL LIMITED

AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
AND IATF 16949:2016 CERTIFIED CO.

PRODUCT CATALOG



WWW.STURDFIX.COM

ABOUT US

Singhania International Limited was established in 1995. Today, we are amongst the leading providers of high-quality fasteners for various industries and applications.

We manufacture a wide range of products, including nuts, bolts, screws, washers, anchors, and High tensile studs and threaded rods. Our products come in different materials, such as Carbon Steel, Brass, Stainless Steel and Bronze, to meet the diverse needs of our customers.

We also pride ourselves on providing exceptional customer service. We work closely with our customers to understand their unique requirements and provide customized solutions that meet their specific needs. Our fasteners cater to requirements of Automotive OEMs, Construction, Heavy Machinery, Wind Power, Solar Power, Defence and other critical applications.



QUALITY FIRST



ON-TIME DELIVERY



EXCELLENT SERVICE



IN-HOUSE TESTING





VISION OF OUR MANAGING **DIRECTOR**

To be an internationally recognised brand and a leading provider of high-quality fastening solutions, recognized for our commitment to quality, innovation, and customer service.

INFRASTRUCTURE & MACHINERY

Spread over 120000 sqft, our company is equipped with state-of-the-art infrastructure, machinery, and manufacturing facilities that enable us to produce high-quality fasteners efficiently and effectively, specific to the needs of our customers.

With a workforce of 250+, we have a team of highly skilled engineers and technicians who oversee the manufacturing process, ensuring that every fastener we produce meets the highest standards of quality and precision. We use cutting-edge technology to monitor our manufacturing process, from the raw material selection to the final inspection of the finished product, and ensure 100% traceability in all our fasteners.

Our manufacturing capabilities include forging (Cold and Hot), Stamping, CNC Machining, Robotic Welding, Heat treatment and Surface treatment. We have the expertise and resources to handle large production runs as well as small orders for customized fasteners.



INFRASTRUCTURE



LIST OF MACHINERY

| Name of Machine | Size Range / Tonnage | No of Machines |
|---|-----------------------|----------------|
| Multi Station Cold Nut & Part formers | M4 to M20 | 8 Nos. |
| Multi Station Cold Bolt formers | M4 to M25 | 10 Nos. |
| High Speed Stamping Presses with Auto Coil and Strip feeders | 25 Tons – 160 Tons | 12 Nos. |
| Bell Annealing Furnace for Annealing wire coils and steel strips | 6 Tons batch capacity | 3 Nos. |
| Flat Die Thread Rolling Machines | M4 – M25 | 10 Nos. |
| Hydraulic Thread rolling Machines | M5 – M80 | 7 Nos. |
| Spring Washer Coiling and Cutting Section | M3 – M48 | 7 Nos. |
| Nut Tapping Machines | M4 to M27 | 11 Nos. |
| Nylon Washer Crimping Machines | M5 to M20 | 7 Nos. |
| CNC Turning Centers | | 2 Nos. |
| Hot forging Presses | M24 – M72 | 2 Nos. |
| Automatic bar end chamfering machines | | 3 Nos. |
| Semi Automatic Zinc plating Plant | | 6 Sets. |
| Hardening & Tempering Furnace | 250 Kgs/Hour | 1 Set |
| Induction Hardening & Tempering for round bars and Threaded bars | 5mm – 28mm dia | 1 m – 6m |
| Circular Saw with auto bar feeder | 5mm – 80mm dia | 1 No. |
| Tool room with Lathes, EDM, Hydraulic presse, Grinders, Milling, Drilling | | 12 Machines |
| Wire drawing Plant | 1.5mm – 30mm | 12 Machines |
| Wire Straightening & Cutting machines | 5mm – 24mm dia | 2 Nos. |
| Auto Bag/Kit packing machine | | 1 Nos. |
| Packing and Sorting Conveyor | | 1 Nos. |

OUR VALUES



QUALITY



INNOVATION



INTEGRITY



CUSTOMER SERVICE



TEAMWORK

QUALITY CONTROL

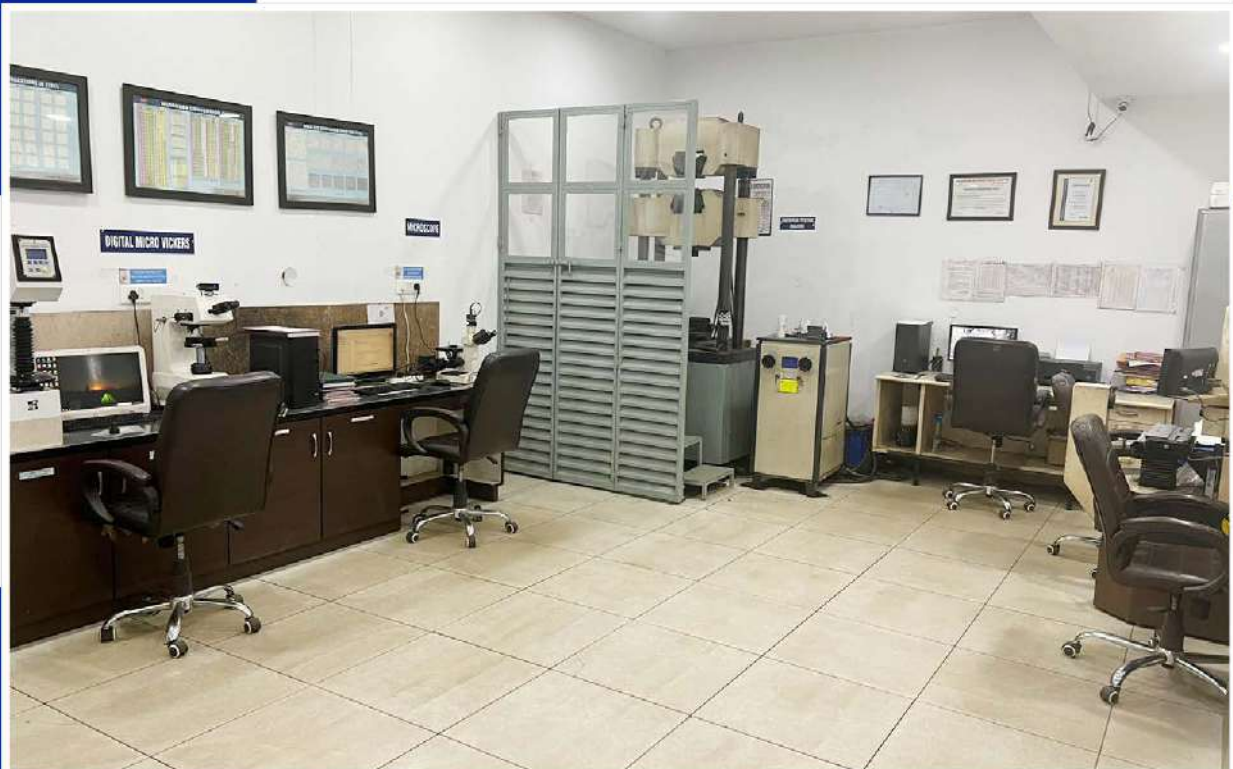
At Singhania International Limited, we understand that quality control is crucial to ensuring that our fasteners meet the highest standards of performance, reliability, and safety. We have a dedicated team of experts and engineers who oversee the quality control process from start to finish.

Our quality control process begins with the selection of high-quality raw materials, which are sourced from trusted prime producers who meet strict global quality norms. Our team of experts then inspects the raw materials to ensure that they meet our specifications in terms of material strength, chemical composition, and durability. Once the raw materials are approved, they are sent to our manufacturing plant, where our team of skilled technicians and engineers oversee the manufacturing process.

Throughout the manufacturing process, regular inspection and testing is done to ensure that our fasteners meet high standards. Once our fasteners are manufactured, they undergo a final inspection & testing to ensure that they meet our customers' specifications and requirements.

Our testing and measuring instruments are periodically calibrated from reputed NABL accredited sources, ensuring further reliability of the test outcomes.

Testing outcomes to EN 10204 3.1 can be provided for all our products.

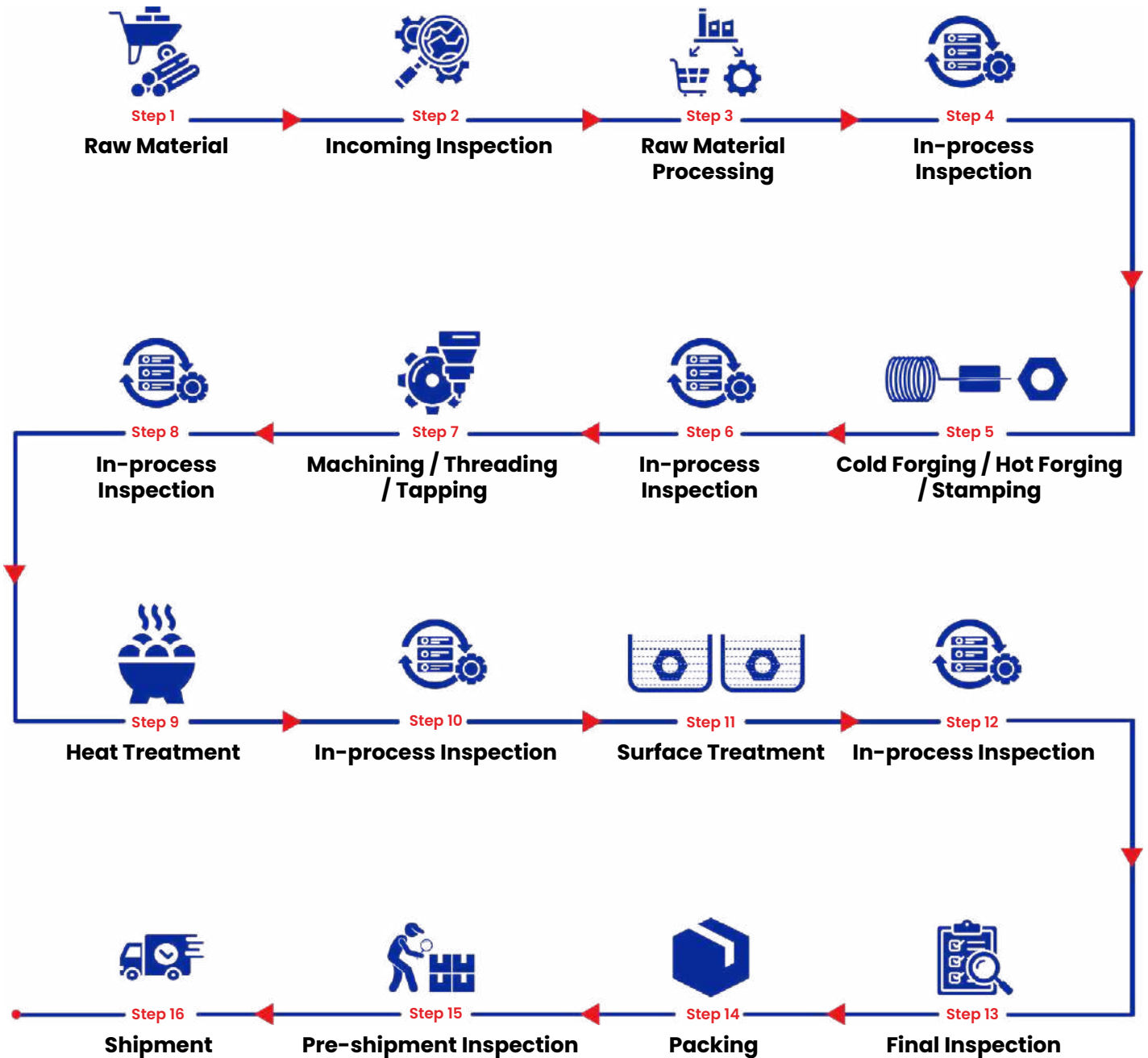


LIST OF LAB EQUIPMENTS

| Name of Test Equipment | Specifications |
|--|----------------------|
| Digital Hardness Tester | Rockwell cum Brinell |
| Micro Hardness Tester Digital | Micro Vickers |
| Computerised Universal Testing Machine | 1000 kN |
| Impact Tester | |
| Spectrometer (Germany) | |
| Metallurgical Microscope with Image Analyser | |
| Profile Projector | |
| Salt Spray Test Chamber | |
| Coating Thickness Guage | |
| 3D Printer | |
| Sample Cutting, Polishing & Molding m/c | |
| Precision Weighing Scale | |

PPAP
LEVEL III
= AVAILABLE =

MANUFACTURING PROCESS



MANAGEMENT SYSTEMS AND CERTIFICATIONS

At Singhania International Limited, we believe that effective management is critical to our success. We have a team of experienced and skilled managers who oversee our operations, ensure that our processes are efficient and effective, and drive continuous improvement throughout the organization.

Our management is committed to upholding the highest standards of quality, safety, and ethical behaviour. We have established a range of management systems (IATF 16949, ISO 9001, ISO 14001, ISO 45001), which we adhere to, and that enable us to achieve these goals.

(Government of India recognised star export house)



Our fastener assemblies are CE certified to EN 15048 and EN 14399.

In addition to our management systems, we have established a culture of continuous improvement throughout our organization. We regularly review our processes and procedures to identify areas for improvement, and we actively seek feedback from our customers to ensure that we are meeting their needs and expectations.

Overall, our management team and management systems are a critical component of our success as a fastener company.



ISO 9001: 2015 CERTIFIED



ISO 14001:2015 CERTIFIED



CE APPROVED



IATF 16949: 2016 CERTIFIED



ISO 45001:2018 CERTIFIED



INDUSTRIES WE SERVE



OIL & GAS



AUTOMOTIVE



AGRICULTURE



CONSTRUCTION



INDUSTRIAL



RAILWAYS



WIND ENERGY



POLE-LINE HARDWARE



ELECTRICAL AND ELECTRONICS



DISTRIBUTORS

PRODUCTS (BOLTS)

FLANGE BOLTS



DIN 6921

| SIZE | GRADE |
|------------|----------------------|
| M4 - M16 | 4.8, 8.8, 10.9, 12.9 |
| #10 - 5/8" | GR.2, GR.5, GR.8 |

FLANGE BOLTS (WITH SERRATION)



| SIZE | GRADE |
|------------|------------------------|
| M4 - M16 | 8.8, 10.9, 12.9 |
| #10 - 5/8" | GR.A, GR.2, GR.5, GR.8 |

HEX BOLT (FULLY THREADED)



DIN 933, DIN 961, DIN 558, ISO 4017, ASME B 18.2.1

| SIZE | GRADE |
|----------|--|
| M4 - M72 | 4.6/4.8, 5.6/5.8, 6.8, 8.8, 10.9, 12.9 |
| #10 - 2" | GR.A, GR.2, GR.5, GR.8 |

HEX BOLT (PARTIALLY THREADED)



DIN 931, DIN 960, DIN 7990, ISO 4014, ASME B18.2.1

| SIZE | GRADE |
|----------|--|
| M4 - M72 | 4.6/4.8, 5.6/5.8, 6.8, 8.8, 10.9, 12.9 |
| #10 - 2" | GR.2, GR.5, GR.8 |

CARRIAGE BOLTS (ROUND HEAD SQ NECK)



DIN 603, ASME B18.5

| SIZE | GRADE |
|----------|----------------|
| M5 - M24 | 4.8, 8.8, 10.9 |
| #10 - 1" | GR.2, GR.5 |

HIGH STRENGTH STRUCTURAL BOLTING ASSEMBLIES



DIN 6914, EN 14399, EN 15048

| SIZE | GRADE |
|---------------|------------------------------|
| M12 - M36 | 8.8, 10.9 |
| 1/2" - 1-1/2" | ASTMA325, A325M, A490, A490M |

SOCKET HEAD CAP SCREW



DIN 912, ISO 4762

| SIZE | GRADE |
|----------|-----------------|
| M4 - M20 | 8.8, 10.9, 12.9 |

SOCKET CSK SCREW



DIN 7991

| SIZE | GRADE |
|----------|-----------|
| M4 - M20 | 8.8, 10.9 |

SOCKET BUTTON HEAD CAP SCREW



ISO 7380-1, ISO 7380-2, ASTM B18.3

| SIZE | GRADE |
|------------|-----------|
| M4 - M20 | 8.8, 10.9 |
| #10 - 5/8" | GR.8 |

HEXAGON HEAD COACH SCREW



DIN 571 ASME B18.2.1

| SIZE | GRADE |
|------------|-------|
| M4 - M16 | 4.8 |
| #10 - 3/4" | GR.A |

FLAT HEAD SQ NECK BOLT



DIN 605, DIN 608, ASME B18.9

| SIZE | GRADE |
|-------------|------------|
| M4 - M24 | 8.8, 10.9 |
| 1/4" - 3/4" | GR.5, GR.8 |

SQUARE HEAD BOLT



DIN 479, ASME B18.2.1

| SIZE | GRADE |
|--------------|-------|
| M5 - M20 | 8.8 |
| 3/16" - 3/4" | GR.5 |

HEX PLUG



SIZE
M10 - M48

3/8" - 2"

DIN 908, DIN 910

GUARDRAIL BOLTS



SIZE **GRADE**
M10 - M16 4.8, 5.6, 8.8, 10.9

3/8" - 5/8" GR.2, GR.5

BIN BOLTS / SILO BOLT



SIZE **GRADE**
M5 - M16 8.8, 10.9

3/16" - 5/8" GR.5, GR.8

T - BOLTS



SIZE **GRADE**
M5 - M16 4.8, 8.8, 10.9

3/16" - 5/8" GR.2, GR.5

NIB BOLT



SIZE **GRADE**
M5 - M16 8.8, 10.9

3/16" - 5/8" GR.2, GR.5

DIN 604

TRI-LOBULAR / THREAD FORMING SCREW



SIZE
M5 - M10

3/16" - 3/8"

CONFIRMAT SCREW (HEX / PHILIPS/TORX RECESS)



SIZE **GRADE**
6.3, 7 8.8, 10.9

HEX WASHER HEAD CONCRETE SCREW



SIZE
6.3, 7.5, 10.5,
12.5, 14.2, 16.5

MACHINE SCREW



SIZE **GRADE**
M4 - M10 4.8

DIN 7985



PRODUCTS (STUDS AND THREADED RODS)

FULLY THREADED ROD



**DIN 975, DIN 976A
ASME B18.31.3**

SIZE
M4 - M72

GRADE
4.8, 8.8, 9.8, 10.9

$\frac{1}{4}$ " - 3"
GRADE 2, GRADE 5,
GRADE 8, ASTM A193
B7, B7M, B8

DOUBLE ENDED STUDS / TAP END STUDS



DIN 938, DIN 939

SIZE
M8 - M64

GRADE
8.8, 10.9

$\frac{5}{16}$ " - 2-1/2" ASTM A193 B7

FULLY THREADED STUDS (BOTH ENDS CHAMFERED)



DIN 976B

SIZE
M6 - M64

GRADE
8.8, 10.9

$\frac{1}{4}$ " - 2-1/2" ASTM A193 B7,
B7M, B8



PRODUCTS (WASHERS)

FLAT WASHER / FENDER WASHER



SIZE
M3 - M64

GRADE
100HV, 140HV,
200HV, 300HV

#4 - 2-1/2"

DIN 125A, DIN 126, DIN 9021, DIN 440, DIN 7349,
DIN 7989, ISO 7089, ISO 7091 ISO 7093, ISO 7094
ASME B18.22.1

SPRING WASHER



SIZE
M3 - M48

MATERIAL
SPRING STEEL,
STAINLESS STEEL
SILICON BRONZE

#8 - 1-1/2"

DIN 127B, DIN 7980
ASME B18.21.1

SQUARE WASHER



SIZE
M8 - M24

5/16" - 1"

DIN 436

THROUGH HARDENED WASHER / HSEFG WASHER



SIZE
M12 - M36

GRADE
100HV, 140HV,
200HV, 300HV

1" - 1 1/2"

EN 14399, DIN 6916, ASTM F436, F436M

DTI WASHER



SIZE
M12 - M36

1/2" - 1"

ASTM F959, F959M, EN 14399-9

CHAMFERED WASHER



SIZE
M6 - M48

DIN 6916, ISO 7090, ISO 7092, DIN 433

STAR/TOOTH LOCK WASHER



SIZE
M4 - M16

GRADE
HRC 36 - 43
HRC 40 - 50

3/16" - 5/8"

DIN 6797, DIN 6798, ASME B18.21.1

CONICAL WASHER



SIZE
M4 - M24

DIN 6796

SHIM RING



DIN 988

DOUBLE COIL SPRING WASHER



SIZE
M6 - M24

MATERIAL
SPRING STEEL

1/4" - 1"

PRODUCT (NUTS)

HEX NUT



SIZE
M4 - M72
#10 - 2-1/2"

GRADE
CLASS 5, 6, 8, 10
GR 2,5,8

**DIN 934, DIN 555, ISO 4032, ISO 4033,
ISO 4034, ISO 4035, ANSI B18.2.2**

SQUARE NUT



SIZE
M4 - M16
1/4" - 3/4"

GRADE
CLASS 04, 5, 6, 8, 10

**DIN 557, DIN 562
ASME B18.2.2**

HEX JAM/LOCK NUT



SIZE
M4 - M48
1/4" - 2"

DIN 439, DIN 936, ANSI B18.2.2

NYLOCK NUT



SIZE
M5 - M16
1/4" - 5/8"

GRADE
CLASS 5, 6, 8, 10

**DIN 982, DIN 985, ISO 10511
ASME B18.16.6**

HEAVY HEX NUT/ HSEFG NUT



SIZE
M12 - M36
1/2" - 2-1/2"

GRADE
CLASS 8, CLASS 10
ASTM A194 2H

DIN 6915, ASME B18.2.2

FLANGE NYLOCK NUT



SIZE
M5 - M16

GRADE
CLASS 5, 8, 10

DIN 6926

FLANGE NUT



SIZE
M4 - M36
1/4" - 5/8"

GRADE
CLASS 5, 6, 8, 10

DIN 6923, EN 1661

SQUARE WELD NUT



SIZE
M4 - M12

DIN 928

FLANGE NUT SERRATED



SIZE
M4 - M36
1/4" - 5/8"

GRADE
CLASS 5, 6, 8, 10

DIN 6923, EN 1661

HEX WELD NUT



SIZE
M4 - M16

DIN 929

BUSHES / SPACERS



COLLAR NUT



SIZE
M6 - M36

DIN 6331

WHEEL NUT



SIZE
M12 - M36

CNC MACHINED PARTS



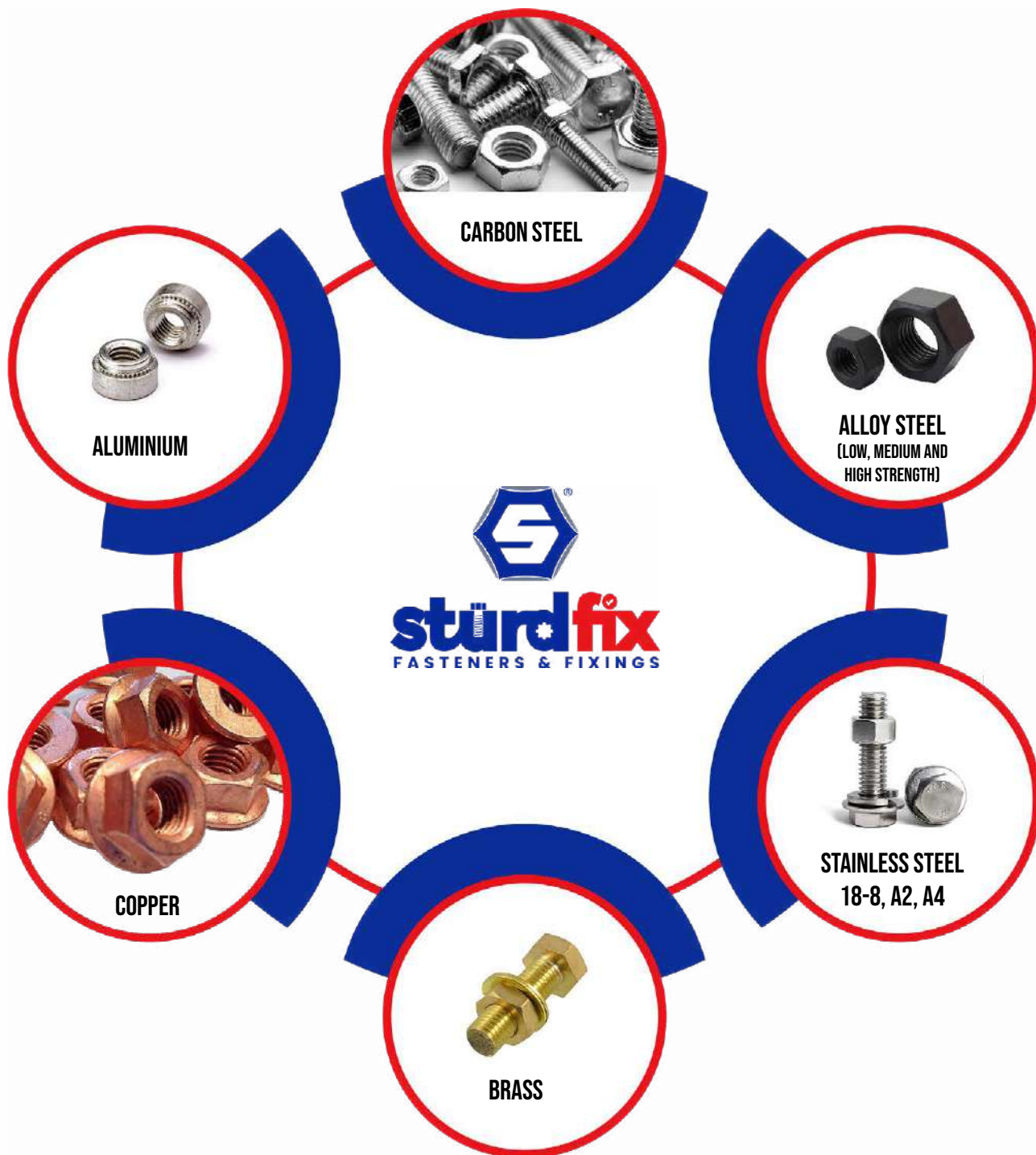
NUT WITH FREE SPINNING WASHER



SIZE
M6 - M24



MATERIALS



FINISHES

ZINC PLATING

CADMIUM PLATING

ZINC NICKEL PLATING

TIN PLATING

**ZINC ALUMINIUM FLAKE
(GEOMET, DELTA, MAGNI)**

MECHANICAL GALVANIZING

HOT DIP GALVANISING

PTFE / XYLAN COATING

THERMAL BLACK

**ELECTRO DEPOSITION
/ ED COATING**

BLACK OXIDE

PACKAGING



INTERNATIONAL PRESENCE



10000+
PRODUCTS

120000
SQ FT AREA

250+
WORKFORCE

750+
METRIC TONS / MONTH





CONTACT US

+91-93576-81418
+91-161-4611418
+91-161-4606917

info@singhaniainternational.com
singhaniaint@gmail.com

www.sturdfix.com
www.singhaniainternational.com

Works: C-25, Phase-1, Focal Point Dhandari Kalan, Ludhiana, Punjab, India 141010

Warehouse: Village Sahnewal Khurd, Marjara Rd., Opp. Convent School, Ludhiana, Punjab, India 141120

