



# SANGAM ISPAT

INDIA PRIVATE LIMITED

— PRODUCT CATALOGUE —

*Industrial Fasteners & Engineered Bolt Solutions*

RAIPUR • CHHATTISGARH • INDIA

# About Sangam Ispat

*Forging strength. Engineering trust.*

Established in 1990, Sangam Ispat (India) Pvt. Ltd. is a GEM-registered OEM, known for its high-quality manufacturing of fasteners, nuts, bolts, and precision-fabricated structures. The company also specializes in module mounting structures for solar applications, supporting India's growing emphasis on renewable energy.

Sangam Ispat India Private Limited is a Raipur-based manufacturer of high-quality industrial fasteners and bolted assemblies, serving the structural fabrication, infrastructure, power, and heavy engineering sectors across India. Our product range spans the entire spectrum of fastening solutions — from precision-machined hex head bolts and foundation anchor systems to specialty items such as dummy bar bolts, T-bolts, and rivets for critical applications.

Built on decades of metallurgical know-how and a culture of dimensional discipline, every fastener we ship is the result of carefully controlled raw material selection, cold/hot forging, thread rolling, and inspection processes aligned with IS, BS, and ASTM standards. We supply both metric (MM) and imperial (Inch) ranges, with the flexibility to manufacture custom lengths, grades, and finishes as per project drawings.

<b>25+</b> PRODUCT CATEGORIES	<b>5/16" – 3"</b> INCH SIZE RANGE	<b>8 – 64 mm</b> METRIC DIAMETER	<b>UPTO 6 ft</b> FOUNDATION BOLT LENGTH
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## Our Product Range

<b>A.</b>	<b>Hex Head Bolts (Inch)</b>	5/16" to 1.5" diameter, length range upto 18 inch
<b>B.</b>	<b>Hex Head Bolts (MM)</b>	8 mm to 36 mm diameter, length range upto 350 mm
<b>C.</b>	<b>Foundation Bolts</b>	L Bolts, Anchor Bolts, FD Bolts for civil and structural use
<b>D.</b>	<b>General Industrial Items</b>	Dummy Bar Bolts, Pins, Rivets, T-Bolts, Square Head Bolts
<b>E.</b>	<b>Nut, Washer &amp; Stud</b>	Standard and special sizes in both MM and Inch

## Hex Head Bolts — Inch Series

### *Imperial diameter range with traditional 'soot' specification*

Our inch-series hex head bolts are manufactured across the full range from 5/16" through 1.5" diameter, identified by the traditional Indian trade term '**soot**' (1 soot = 1/8 inch). Each diameter is offered in an extensive length range to suit structural and mechanical applications. Bolts are produced with hot-forged hex heads and rolled threads for superior fatigue strength.

S. No.	Soot (Strands)	Inch Size	Available Lengths (inch)
1	2.5 soot	5/16"	1, 1.25, 1.5, 2, 2.5, 3
2	3 soot	3/8"	1, 1.5, 2, 2.5, 3, 4, 5, 6
3	4 soot	1/2"	1.5, 2, 2.5, 3, 3.5, 4, 5, 6, 7, 8
4	5 soot	5/8"	1.5, 2, 2.5, 3, 3.5, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
5	6 soot	3/4"	2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
6	7 soot	7/8"	3, 4, 5, 6, 6.5, 7, 8, 10, 12
7	8 soot	1"	2.5, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
8	10 soot	1.25"	4, 5, 6, 7, 8, 10, 12, 13, 14, 15, 16
9	12 soot	1.5"	4, 5, 6, 8, 10, 12, 13, 14, 15, 16, 17, 18

### TRADE TERMINOLOGY — "SOOT"

In Indian fastener trade, diameter is often quoted in **soot** (sutar) instead of inches, where **1 soot = 1/8 inch**. So a 4-soot bolt is  $4/8" = 1/2"$ , a 6-soot bolt is  $6/8" = 3/4"$ , and a 10-soot bolt is  $10/8" = 1.25"$ . This shorthand is still widely used by hardware merchants and fabrication shops across India.



Hex Bolt



Hex Bolt

## Hex Head Bolts — Metric Series

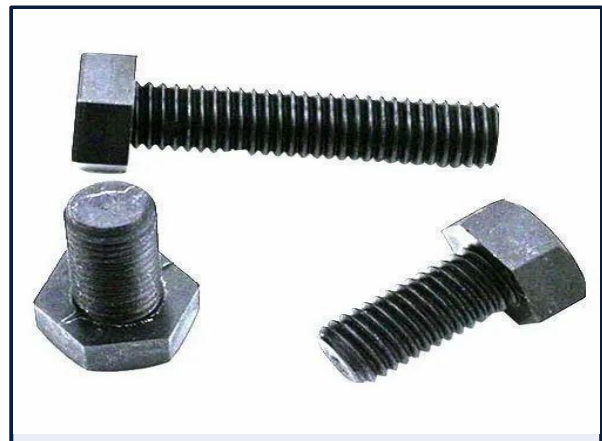
*Standard MM diameters with comprehensive length range*

Our metric hex head bolt range covers diameters from M8 through M36, with one of the most comprehensive length offerings in the region.

S. No.	MM Size	Available Lengths (mm)
1	M8	40, 50, 60, 65, 75
2	M10	40, 50, 65, 75, 80, 100, 125
3	M12	40, 50, 65, 70, 75, 100, 115, 125, 150
4	M16	40, 50, 65, 70, 75, 80, 85, 90, 100, 110, 120, 125, 140, 150, 175, 180, 200
5	M20	40, 50, 65, 70, 75, 80, 85, 90, 100, 110, 120, 125, 140, 150, 175, 180, 200, 210, 220, 225, 250, 275, 300
6	M22	50, 60, 65, 70, 75, 80, 85, 90, 100, 110, 120, 125, 140, 150, 175, 180, 200, 210, 220, 225, 250, 275, 300
7	M24	65, 70, 75, 80, 85, 90, 100, 110, 120, 125, 140, 150, 175, 180, 200
8	M27	75, 80, 85, 90, 100, 110, 120, 125, 140, 150, 175, 180, 200
9	M30	100, 110, 120, 125, 140, 150, 175, 180, 200, 210, 220, 225, 250, 275, 300, 310, 325, 350
10	M36	100, 110, 120, 125, 140, 150, 175, 180, 200, 210, 220, 225, 250, 275, 300, 310, 325, 350



Hex Bolt



Hex Bolt

# Foundation Bolts

## *Anchoring civil structures and heavy equipment*

Foundation bolts form the critical interface between structural steel and concrete foundations. Our foundation bolt range includes L Bolts, Anchor Bolts and FD Bolts, manufactured to project-specific drawings — with options for higher strength grades on request.

S. No.	Product	Diameter Range	Length Range
1	L Bolt	16 to 40 mm	1.5 feet to 6 feet or as per party requirement
2	Anchor Bolt	16 to 64 mm	1.5 feet to 6 feet or as per party requirement
3	FD Bolt	16 to 40 mm	1.5 feet to 6 feet or as per party requirement

<b>L Bolt</b>	Single bend (L-shaped) hooked end embedded in concrete. Suitable for light to medium structural columns, fencing, and equipment baseplates.
<b>Anchor Bolt</b>	Heavy-duty bolt with an integral pyramidal base plate at the embedded end and a long threaded projection at the top. Wide base distributes load and gives superior pull-out resistance. Used for main structural columns, transmission towers, heavy machinery, and solar mounting.
<b>FD Bolt</b>	Forged bolt with a closed thimble eye at one end for cable/shackle attachment and a threaded shank with nut at the other. Used in transmission-line stay sets, telecom guy-wire assemblies, and suspension hardware.



**L Bolt**



**Anchor Bolt**



**FD Bolt**

## General Industrial Items

### *Specialty bolts, pins and rivets for heavy engineering*

Our General Items range covers specialty fasteners used across steel plants, infrastructure projects, and structural assemblies. These items are made to order in high-tensile (HT) and mild steel grades, with options for custom lengths to suit specific application needs.

S. No.	Product	Diameter / Width	Length Range	Remarks
1	Dummy Bar Bolt	30 mm, 36 mm	150, 175, 200 mm	H.T. only
2	Pin	16 to 30 mm	100 to 260 mm	Made to order
3	Rivet (Head)	10, 12, 14, 16, 18, 20, 22, 24, 27 mm	Dia 10–12 mm: 50–100 mm   Dia 14–27 mm: 100–300 mm	—
4	T Bolt / Capsule Bolt	1", 1.25", 1.5" inch	10 to 18 inch	—
5	Square Head Bolt	16 to 40 mm	Dia 16–22 mm: 70–150 mm   Dia 24–40 mm: 100–400 mm	—

### APPLICATION INSIGHT

Dummy bar bolts are essential in continuous casting machines (CCM) of steel plants, while T-bolts and square head bolts are commonly used in rail, crane, and heavy machinery assemblies. All items can be supplied with surface finishes such as black/red oxide, hot-dip galvanizing (HDG), or zinc plating as required.



**Dummy Bar Bolt**



**Pin**



**Rivet (Head)**



**T Bolt / Capsule Bolt**



**Square Head Bolt**

## Nut, Washer & Stud

### Companion components for every bolted joint

Nuts, washers and studs are supplied in matching grades and sizes to complement our bolt range. We offer both metric and inch series, with full traceability of material grade and dimensional conformity. Stud lengths are manufactured to customer-specified dimensions.

S. No.	Product	Diameter Sizes (MM)	Diameter Sizes (Inch)	Remarks
1	Nut	8, 10, 12, 16, 20, 22, 24, 27, 30, 36	5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1.25, 1.5, 2, 2.5, 3	—
2	Washer	8, 10, 12, 16, 20, 22, 24, 27, 30, 36	5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1.25, 1.5	—
3	Stud	12, 16, 20, 22, 24, 27, 30, 36, 40	5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1	Length as per party requirement

NUT	WASHER	STUD
Hex nuts manufactured in matched pitch with our bolt range. Available in property classes equivalent to bolt grade.	Plain washers in mild steel, supplied in standard thicknesses to distribute clamping load and protect mating surfaces.	Fully threaded and double-end studs for flange, pipe and pressure vessel applications. Custom length to drawing.



**Nut**



**Washer**



**Stud**

## Standards & Quality

### *Materials, grades and finishes we work with*

Every product we manufacture is traceable from raw material to dispatch. Our standard manufacturing stream uses hot-rolled steel rounds and cold-headed wire conforming to IS 1148, IS 2062 equivalents. Below is a summary of typical grades, standards and finishes available across our product range.

<b>Material Grades</b>	MS, IS 2062 Property Class 4.6
<b>Dimensional Standards</b>	IS 1363, IS 1364, IS 1367, ISO 4014, ISO 4017
<b>Thread Standards</b>	Metric: ISO Metric Coarse (6g)   Inch: BSW / UNC as specified
<b>Manufacturing Process</b>	Cold/Hot forging, CNC turning, Thread rolling – annealed where applicable
<b>Surface Finishes</b>	Black oxide (Self), Zinc plated (white/yellow), Hot-Dip Galvanized (HDG), Phosphated, Painted
<b>Inspection &amp; Testing</b>	Dimensional check, Hardness (Rockwell), Tensile, Proof load — as per applicable standard
<b>Packaging</b>	HDPE / poly-lined gunny bags or as per customer specification

 <b>FULL RANGE</b> 5/16" to 3" & M8 to M64	 <b>CUSTOM LENGTHS</b> Made to drawing	 <b>CERTIFIED MATERIAL</b> Mill TC on request	 <b>ON-TIME DESPATCH</b> From Raipur, CG
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## Get In Touch

*Custom enquiries, bulk orders and project requirements*

For product enquiries, custom drawings, or to request a quotation, our team would be happy to assist. We supply pan-India by road and rail, with packing options to suit your project logistics. Site visits and technical discussions can be arranged for large projects.

<b>COMPANY</b>	<b>Sangam Ispat India Private Limited</b>
<b>LOCATION</b>	Raipur, Chhattisgarh, India
<b>PRODUCT LINES</b>	Industrial Fasteners • Foundation Bolts • Studs • Nuts • Washers • Rivets • Specialty Bolts
<b>CAPABILITIES</b>	Made-to-drawing manufacturing • Custom lengths and grades • Material test certificates on request
<b>PHONE / EMAIL</b>	+91 9201973044 +91 9301193414 +91 9329101903  <a href="mailto:admin@sangamispat.in">admin@sangamispat.in</a>  <a href="mailto:sales@sangamispat.in">sales@sangamispat.in</a>
<b>ADDRESS</b>	Plot No.1-B, Sarora , Urla Industrial Area, Behind Jhabak Petrol Pump, Ring Road No.2, Raipur (Chhattisgarh)

**Thank you for considering Sangam Ispat.**

*Engineered to standard. Built to last.*

