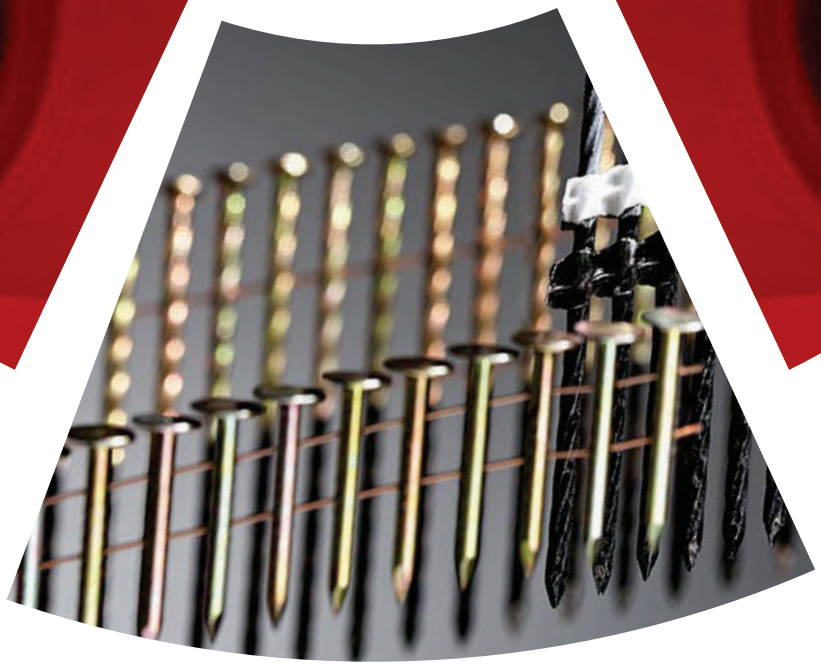
Crystal Fasteners



ISO 9001 2015 CERTIFIED

ICC ES ESR-5574

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ABOUT US

Crystal Group stands as a symbol of excellence, with over proven expertise in delivering high-performance fastening solutions. Driven by a deep commitment to quality, innovation, and customer trust, the group has earned a strong reputation across industries and continues to lead with integrity and precision.

Based in Jamshedpur, Jharkhand, Crystal Fasteners Industry is a core division of the Crystal Group, specializing in the production of all types and sizes of Collated Nails and Bulk Nails, . Manufactured using premium-grade stainless steel, carbon steel, and high-tensile galvanized wire, our products are engineered to meet global benchmarks.

Certified with ISO 9001:2015, our manufacturing systems ensure consistent quality and compliance with international standards. Crystal fasteners are trusted by professionals across sectors such as Construction, Industrial Manufacturing, and General Engineering—delivering strength, reliability, and performance you can count on.

MANUFACTURING STANDARDS

At Crystal Fasteners Industry, manufacturing excellence begins with the foundation — premium raw materials and precision-driven processes. Located strategically in the Steel Belt of India, our facility benefits from seamless access to some of the finest steel sources in the world.

INFRASTRUCTURE & EXPERTISE

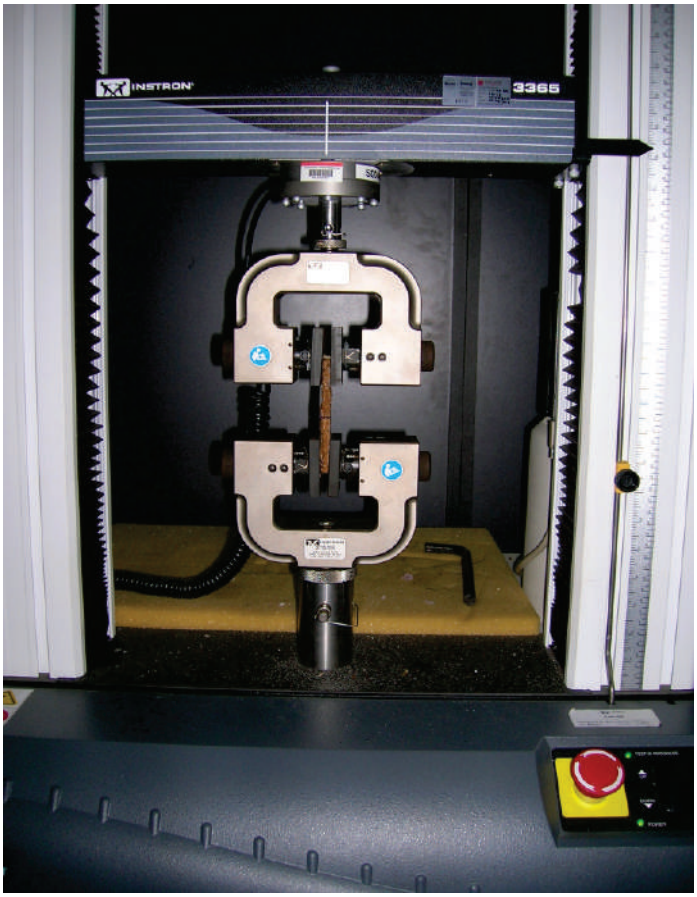
We maintain a strict material procurement policy, selecting only high-grade wire rods from trusted and reputed suppliers to ensure strength, consistency, and reliability in every batch.

Our production standards are aligned with global benchmarks and ISO 9001:2015-certified systems, ensuring rigorous quality checks at every stage. From raw material to finished product, Crystal Fasteners delivers excellence that stands the test of time — in every nail, every batch, every time.

QUALITY ASSURANCE

At Crystal Fasteners Industry, quality control is ingrained in every step of our manufacturing process. Our commitment to delivering products of the highest standard is evident through our In-House Testing Lab. Our dedication to quality doesn't stop with the manufacturing process.

We rigorously test our products to meet prescribed quality standards and fulfill customer requirements. Our paramount emphasis is on ensuring reliability and top-notch quality across our product range, which caters to markets worldwide. We take pride in our professional behavior, timely deliveries, and providing value for money to our esteemed clients.



Additionally, our commitment to corporate responsibility extends to our employees and the communities in which we operate. We invest in initiatives that promote employee well-being, safety, and skill development. Furthermore, we actively engage in social and environmental initiatives, contributing to the betterment of society.

In conclusion, at Crystal Fasteners Industry, our pursuit of excellence goes beyond our products; it encompasses our entire approach to business, from manufacturing to customer service, employee welfare, and social responsibility.

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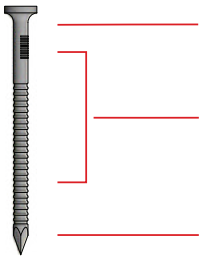
TERMINOLOGY



HEAD
Round metal piece formed at the top of the nail.

SHANK
The length of the nail between the bottom of head and the point. May be smooth or have rings, flutes or spirals for greater holding power.

POINT
Sharpened end opposite the head for greater ease in driving.

GAUGE
References how thick a nail is, with lower number indicating greater thickness.

LENGTH
Distance from the bottom of the head to the point of a nail.

RIGIDITY
The bending and shear resistance of a nail.

COATINGS

BRITE

No coating to protect the nail from corrosion if exposed to high humidity or water, ☒ not recommended for exterior use or treated lumber, and only for interior applications where no corrosion protection is needed, i.e. interior trim, framing, and finish.

HEAT TREATED

Heated to extreme temperatures and then cooled quickly; this produces very hard steel that can be used with hardened materials such as concrete and masonry. This is still vulnerable to corrosion, and should be used in interior applications.

PHOSPHATE COATED

Reduces friction during installation and increases corrosion protection. Produced by dipping in a solution of zinc or manganese acid phosphate; it has a dark grey finish that provides a surface that binds well with paint and joint compounds with minimal corrosion resistance. Most commonly found on drywall fasteners, not recommended for exterior use or treated lumber.

VINYL COATED

A slick vinyl coating helps ease driving of the fastener—when the fastener is driven it's briefly heated by the friction and quickly cools down, hardening the vinyl coat; oUers some extra holding power but does not protect the fastener from recommended for interior applications where no corrosion protection is needed.

GALVANIZED

Coated with a protective layer of zinc for corrosion resistance and weather exposure

HOT DIPPED GALVANIZED

Most common method of galvanization where iron or steel are coated with a thin zinc layer, by passing the metal through a molten bath of zinc that results in very high corrosion resistance suitable for some acidic and treated lumber; will over time as the coating wears, but generally good for the lifetime of the application; typically used in outdoor applications—meet

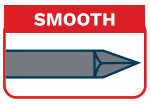
STAINLESS STEEL

Stainless steel is used where strength and corrosion resistance are both needed. Though resistant, it can corrode in low oxygen, high salinity, or stagnant conditions. The 300 series (70% of all stainless steel) is known for high corrosion resistance, ductility, and weldability but can suffer crevice and pitting corrosion. Grades 304/305 (18% chromium, 8% nickel) are the most versatile and suited for exterior use. Grade 316 (marine grade) offers better corrosion resistance due to added nickel and 2% molybdenum, making it ideal for marine and chemical environments.

CRYSTAL FASTENERS

SHANKS

CHOOSE THE RIGHT SHANK FOR YOUR REQUIRED HOLDING POWER. Nail shanks play a large role in the fastener's holding power. Choosing the correct shank for the specific application is crucial.

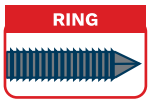


SMOOTH

Most common, provides least amount of holding power.

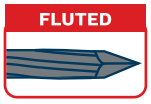
SCREW/SPIRAL

Used for hard wood. Twists into wood when driven for added holding power.



RING

Used for soft wood, rings separate wood fibers to resist pulling out.



FLUTED

Used in concrete applications. Slightly twisted to provide holding power.

HEADS

FASTENERS COME IN A VARIETY OF HEAD TYPES. Nail heads come in a variety of shape and sizes. Each head type is ideal for different applications.

FLAT

The most common nail head. Ideal for many framing and construction projects.

COUNTERSUNK

Similar to Cupped heads but with greater holding power. Designed to be concealed with filler or paint.

CUPPED

Often found on drywall nails. Cupped heads can easily be concealed with putty.

POINTS

TYPES TO COVER ALL YOUR FASTENING NEEDS. Different nail points are often determined by the material they're being driven into. We have the most common used points in the industry.

MEDIUM DIAMOND

Most common, good for general use.

CHISEL

Preferred point for trim applications.

BLUNT

More difficult to drive but reduced chances of splitting hard wood.

BULK NAILS

COMMON NAILS

Key Uses: Common Nails are widely used in construction, serving as fundamental components in structural framing, scaffolding, and general carpentry.

Features: Common Nails typically feature flat heads and diamond points, making them versatile for various applications.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Carbon Steel or Stainless Steel	Round Smooth	Flat Head	Diamond Point	ASTM F1667	Bright, Zinc Coated, or Other Coating as specified

Item	Diameter	Length	Packaging
Common 2D	0.071	1	1LB x 25Packets: 64 Ctns / Pallet 5LB x 8Packets: 42 Ctns / Pallet 50LB: 48 Ctns / Pallet
Common 3D	0.080	1-1/4	
Common 4D	0.099	1-1/2	
Common 5D	0.099	1-3/4	
Common 6D	0.113	2	
Common 7D	0.113	2-1/4	
Common 8D	0.131	2-1/2	
Common 10D	0.148	3	
Common 12D	0.148	3-1/4	
Common 16D	0.162	3-1/2	
Common 20D	0.189	4	
Common 30D	0.207	4-1/2	
Common 40D	0.225	5	
Common 50D	0.244	5-1/2	
Common 60D	0.261	6	

*(Note: All Dimensions are in Inches)

SINKER NAILS

Key Uses: Sinker Nails find applications in general construction, carpentry, and framing.

Features: These nails are characterized by their countersunk head, diamond point, and smooth shank. The vinyl coating enhances lubrication during driving and augments holding power.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Carbon Steel or Stainless Steel	Round Smooth	Flat Counter shank Cross Hetch Head	Diamond Point	ASTM F1667	Green Vinyl coating or other coating as specified

Item	Diameter	Length	Packaging
Sinker 3D	0.067	1-1/8	1LB x 25Packets: 64 Ctns / Pallet 5LB x 8Packets: 42 Ctns / Pallet 50LB: 48 Ctns / Pallet
Sinker 4D	0.080	1-3/8	
Sinker 5D	0.086	1-5/8	
Sinker 6D	0.092	1-7/8	
Sinker 7D	0.099	2/1-8	
Sinker 8D	0.113	2/3-8	
Sinker 10D	0.120	2-7/8	
Sinker 12D	0.135	3-1/8	
Sinker 16D	0.148	3-1/4	
Sinker 20D	0.177	3-3/4	
Sinker 30D	0.192	4-1/4	
Sinker 40D	0.207	4-3/4	
Sinker 60D	0.244	5-3/4	

*(Note: All Dimensions are in Inches)

BOX NAILS

Key Uses: Box Nails are employed in light construction and rough works involving soft woods

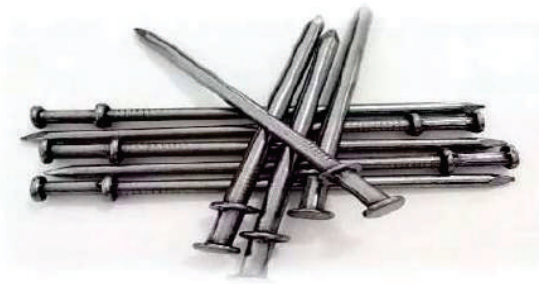
Features: Box Nails share a general design with common nails but are made from smaller wire gauges.
Their reduced diameter facilitates easy driving and minimizes the risk of wood splitting.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Carbon Steel or Stainless Steel	Round Deformed and Smooth shank	Flat Head	Diamond Point	ASTM F1667	Bright, Zinc or other coating as specified

Item	Diameter	Length	Packaging
Box 2D	0.067	1	1LB x 25Packets: 64 Ctns / Pallet 8Packets: 42 Ctns / Pallet / Pallet
Box 3D	0.075	1-1/4	
Box 4D	0.08	1-1/2	
Box 5D	0.08	1-3/4	
Box 6D	0.099	2	
Box 7D	0.099	2-1/4	
Box 8D	0.113	2-1/2	
Box 10D	0.128	3	
Box 12D	0.128	3-1/4	
Box 16D	0.135	3-1/2	
Box 20D	0.148	4	
Box 40D	0.162	5	

*(Note: All Dimensions are in Inches)

DUPLEX NAILS



Key Uses: Used for scaffolding, forms, and other temporary construction projects.

Features: Easy to pull, safe for dismantling, and help save time, lumber, and nails during disassembly.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Steel	Round Smooth Shank	Flat Double Head	Diamond Point	ASTM F1667	Bright, Zinc Coated

Item	Diameter	Length	Packaging
Duplex 6D	0.113	1-3/4	1LB x 25Packets: 64 Ctns / Pallet 5LB x 8Packets: 42 Ctns / Pallet 50LB: 48 Ctns /Pallet
Duplex 8D	0.131	2-1/4	
Duplex 10D	0.148	2-3/4	
Duplex 12D	0.148	2-7/8	
Duplex 16D	0.162	3	
Duplex 20D	0.189	3-1/2	

*(Note: All Dimensions are in Inches)

FINISH NAIL

Key Uses: Intended for interior trim, finish carpentry, cabinetwork, and furniture building.

Features: Small cupped head facilitates using a nail set to countersink the nail below the wood surface.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Steel	Round Smooth Shank	Brad head, likely designed for aesthetic purposes	Diamond Point	ASTM F1667	Bright finish

Item	Diameter	Length	Packaging
Finish 2D	0.058	1	1LB x 25Packets: 64 Ctns / Pallet 5LB x 8Packets: 42 Ctns / Pallet 50LB: 48 Ctns / Pallet
Finish 3D	0.067	1-1/4	
Finish 4D	0.072	1-1/2	
Finish 5D	0.072	1-3/4	
Finish 6D	0.0.092	2	
Finish 7D	0.0.092	2-1/4	
Finish 8D	0.099	2-1/2	
Finish 10D	0.113	3	
Finish 12D	0.113	3-1/4	
Finish 16D	0.120	3-1/2	
Finish 20D	0.135	4	

*(Note: All Dimensions are in Inches)

ROOFING NAILS

Key Uses: Designed for applying asphalt and fiberglass shingles in roofing projects.

Features: Corrosion-resistant and equipped with broad heads to resist pulling through shingles during high winds.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Carbon Steel	Round Smooth Shank	Flat reinforced head	Diamond Point	ASTM F1667	Typically bright finish or coated as specified (Zinc or Others)

Item	Diameter	Length	Packaging
Roofing 5/8"	0.120	5/8	1LB x 25Packets: 64 Ctns / Pallet 5LB x 8Packets: 42 Ctns / Pallet 50LB: 48 Ctns / Pallet
Roofing 3/4"	0.120	3/4	
Roofing 7/8"	0.120	7/8	
Roofing 1"	0.120	1	
Roofing 1-1/4"	0.120	1-1/4	
Roofing 1-1/2"	0.120	1-1/2	
Roofing 1-3/4"	0.120	1-3/4	
Roofing 2"	0.120	2	
Roofing 2-1/4"	0.120	2-1/4	
Roofing 2-1/2"	0.120	2-1/2	
Roofing 3"	0.120	3	

*(Note: All Dimensions are in Inches)

JOIST HANGER NAILS

Key Uses: Specially designed for use with joist hangers, which are metal brackets used to support joists in construction.

Features: These nails have specific head sizes, thickness, steel, and shank designs tailored for attaching joist hangers securely.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Made of carbon steel	Round smooth and barbed shank	Flat Head	Diamond Point	ASTM F1667	Bright, Zinc or other coating as specified

Item	Diameter	Length	Packaging
Joist 1-1/4" x 11 GA	0.067	1	1LB x 25Packets: 64 Ctns / Pallet 8Packets: 42 Ctns / Pallet 50LB: 48 Ctns / Pallet
Joist 1-1/4" x 9 GA	0.075	1-1/4	
Joist 1-1/2" x 11 GA	0.08	1-1/2	
Joist 1-1/2" x 10-1/4 GA	0.08	1-1/2	
Joist 1-1/2" x 9 GA	0.148	1-1/2	

*(Note: All Dimensions are in Inches)

DECKING NAILS

Key Uses: Used for securing decking timber to ensure strong holding power.

Features: Helical threaded shank fo protrusion.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Carbon Steel	Round smooth & mechanically deformed shank for enhanced grip	Casing Head	Diamond Point	ASTM F1667	Bright, Zinc Coated, or Other Coating as specified

Item	Diameter	Length	Packaging
Deck 6D	0.120	2	1LB x 25Packets: 64 Ctns / Pallet 8Packets: 42 Ctns /Pallet 50LB: 48 Ctns / Pallet
Deck 8D	0.120	2-1/2	
Deck 10D	0.135	3	
Deck 12D	0.135	3-1/4	
Deck 16D	0.148	3-1/2	
Deck 20D	0.177	4	

*(Note: All Dimensions are in Inches)

CASING NAILS

Key Uses: Used for interior trim, finish carpentry, cabinet making, and furniture construction.

Features: Casing Nails have deep,wedge-shaped heads for secure and flush installation.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Made of carbon steel	Round smooth shank	Flat countersunk cupped head	Diamond point	ASTM F1667	Bright or zinc-coated

Item	Diameter	Length	Packaging
Casing 4D	0.080	1-1/2	1LB x 25Packets: 64 Ctns / Pallet 5LB x 8Packets: 42 Ctns / Pallet 50LB: 48 Ctns / Pallet
Casing 6D	0.099	2	
Casing 7D	0.099	2-1/4	
Casing 8D	0.113	2-1/2	
Casing 10D	0.128	3	
Casing 12D	0.128	3-1/4	
Casing 16D	0.135	3-1/2	

*(Note: All Dimensions are in Inches)

DRYWALL NAILS

Key Uses: Designed to attach drywall to wooden structures.

Features: Wide heads create a dimple around the nail head, facilitating the application of joint compound.

Material	Shank		Point Type	Standard	Finish
	Type	Head Type			
Carbon Steel	Round smooth and mechanically deformed shank	Flat slightly counters unk head	Diamond point	ASTM F1667	Bright

Item	Diameter	Length	Packaging
Drywall 1-1/4" x 12.5G	0.099	1-1/4	1LB x 25Packets: 64 Ctns / Pallet 5LB x 8Packets: 42 Ctns / Pallet 50LB: 48 Ctns / Pallet
Drywall 1-3/8" x 12.5G	0.099	1-3/8	
Drywall 1-1/2" x 12.5G	0.099	1-1/2	
Drywall 1-5/8" x 12.5G	0.099	1-5/8	
Drywall 1-34" x 12.5G	0.099	1-3/4	
Drywall 2" x 12.5G	0.099	2	

*(Note: All Dimensions are in Inches)

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