YOUR WORLD
OF **METAL.**
SINCE 50 YEARS.

IMI SPECIAL STEELS & ALLOYS

HIGH SPEED STEEL





Large Inventory, Superior Quality, Timely Delivery. Hallmark of every IMI Deal.

IMI Group of Companies Stockiest & Supplier of

NACHI | DSS Global Trading | GI GRAPHITE INDIA LIMITED | POWMEX STEEL DIVISION

ab@imigroups.com / sales@imigroups.com

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80/82, 1st khetwadi lane, industrial house, 2nd Floor, Mumbai - 400 004.

IMI SPECIAL STEELS & ALLOYS
HIGH SPEED STEEL

Empowering Excellence: *Your Partner for Tool Steel Solutions*



Trust of 50 Years and Growing

Give us your specifications and material requirements. Trust us to deliver finished goods to exacting needs, at par with international standards. An unblemished track record of 50 years has won us the trust of our clients and vendors alike. We're committed to pushing the boundaries of tool steel technology.

DISTRIBUTOR, IMPORTER, STOCKIST OF HSS, ALLOY STEEL, TOOL STEEL, POWDER METALLURGY, STAINLESS STEEL, HIGH TEMPERATURE ALLOYS, EXOTIC METALS & STEELS.

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We aspire to become number one solution provider for the tool industry needs.

Delivering maximum customer satisfaction by providing uncompromising quality products at reasonable prices.



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About Us

One of the fastest growing suppliers and exporters of industrial raw material to renowned companies in India and overseas. Dealing in High-Speed Steel, Alloy Steel, Tool Steel, Die Steel, Special Grade Stainless Steel, & Powder Metallurgy Steel Material we Stock and supply a host of finished products in the form of Round Bars, Flat Bars, HSS-Sheets, Square Bars & Blocks.

We derive our strength from professionals who are committed to handle technical, sales and logistics with expertise. We cater to almost all type of industries which have the tool rooms, Like Tools manufacturers, Auto Part manufacturer, Defence, Aerospace, Dies Manufacturers, Automobile Industry & Industries which have inhouse Tool rooms, Superlative quality or value for money, trust us to deliver the best worlds.

IMI SPECIAL STEELS & ALLOYS
HIGH SPEED STEEL



With years of experience and a deep understanding of tool steel applications, our team delivers tailored solutions that meet the unique needs of your business. Our research and development team works closely with customers to develop cutting-edge materials that address emerging challenges and opportunities.

With a strong global presence and local expertise, we offer responsive, customer-centric support that ensures timely delivery and technical assistance whenever you need it.

IMI SPECIAL STEELS & ALLOYS
HIGH SPEED STEEL

PRODUCT RANGE

High Speed Steel

- M2 (1.3343)
- M35 (1.3243)
- M42 (1.3247)
- T1 (1.3355)
- T15 (1.3202)
- T42 (1.3245)
- M7 (1.3348)



Key characteristics:

- High hardness (RC 62-65)
- High wear resistance
- Good toughness and impact resistance
- Resistance to deformation and cracking
- Can be heat-treated to achieve high
- Hardness and wear resistance



Applications:

- Drilling, tapping, and machining tools
- Broaching and form tools
- High-speed machining and turning tools
- Milling and sawing tools
- Machining hard materials like titanium
- and stainless steel

Benefits:

- Increased tool life due to high wear
- Resistance
- Improved cutting performance and accuracy
- Reduced tool replacement costs
- Suitable for machining carbon and alloy steels



Shapes Available

- Round Bars
- Flat Bars
- Blocks Square
- Bars / Sheet / Plates

IMI SPECIAL STEELS & ALLOYS
HIGH SPEED STEEL

POWDER METALLURGY (PM) High Speed Steel

Powder Metallurgy (PM) High Speed Steel is a premium material for cutting tools, offering exceptional wear resistance, toughness, and heat resistance.

Grades

- ASP 2030
- ASP 2023
- ASP 2052
- ASP 2060



Key Characteristics

1. High Wear Resistance: Long tool life due to unique powder metallurgy process.
2. Excellent Toughness: High impact strength and resistance to shock
3. High Heat Resistance: Maintains hardness up to 650°C (1200°F).
4. Improved Cutting Performance: Faster cutting speeds and better surface finish.



Benefits:

- Increased Productivity: Longer tool life and reduced downtime.
- Improved Accuracy: Reduced tool wear and vibration.
- Cost-Effective: Extended tool life reduces replacement costs

Applications:

- Drilling tools (twist drills, step drills)
- Milling cutters (end mills, face mills)
- Turning tools (lathe tools)
- Tapping tools (hand taps, machine taps)
- Broaching tools (surface, internal)



Shapes Available

- Round Bars
- Flat Bars / BLOCKS
- Square Bars
- Sheet / Plates.

IMI SPECIAL STEELS & ALLOYS
HIGH SPEED STEEL

DIE, TOOL & ALLOY STEEL

Grades

A2 / 1.4021
S7 / 1.2356 / X153CrMoV12
P20 – 1.2316 / 1.2311 / 1.2739 / 1.2085
D2 / 1.2379
D3 / 1.2080
H13 / 1.2344
H11 / 1.2343
OHNS / O1 / 1.2510 / X 210 CrW 12



Characteristics & Applications

- Die steels: high wear resistance, dimensional stability, hot hardness
- Tool steels: hardness, wear resistance, toughness
- Alloy steels: toughness, corrosion resistance



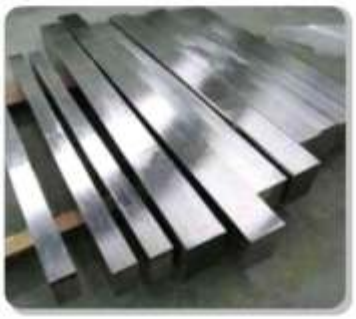


IMI SPECIAL STEELS & ALLOYS
HIGH SPEED STEEL

AEROSPACE & DEFENSE - Exotic Special Grades

Grades

17-4PH
15-5PH
1.4122
1.4418
15CDV6
TITANIUM & ALLOYS ALUMINIUM
BRONZE SPECIAL ALUMINIUM
ALLOYS COBALT & NICKEL ALLOYS



Characteristics:

- High strength-to-weight ratio
- Excellent corrosion resistance
- Low density
- High temperature resistance
- Resistance to wear and corrosion



Industry-Specific Applications

- Aerospace: engine components, structural components
- Medical: implants, surgical instruments
- Energy: nuclear applications, power generation
- Chemical processing: reactors, heat exchangers
- Marine: shipbuilding, offshore platforms



Shapes Available

- Round Bars
- Flat Bars / BLOCKS
- Square Bars
- Sheet / Plates



IMI SPECIAL STEELS & ALLOYS
HIGH SPEED STEEL

OUR QUALITY

We exercise stringent quality control measures for ensuring the accurate dimensions and mechanical properties of our products.

- Certification and Supplementary Test
- Finishing and Marketing Control
- Material Control System
- Machining and Dimensional Control
- Process Control System



Across the entire business chain of supplies, operations and marketing appropriate quality assurance systems are in place to ensure correctness at each step of the cycle.

Partner with us to unlock new possibilities in tool steel. Together, let's shape the future of industry and achieve unparalleled success.

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