



STANCOR SPECIAL PRODUCTS

WHY CHOOSE US ?

OUR PURPOSE

Our main purpose is to
Bringing quality, safety and
sustainability to life

OUR VISION

Our main goal is to become the
leading company in the steel
industry

OUR MISSION

Our main goal is to become
the leading global company
in the steel industry

COMPANY PROFILE

We at Stancor take this opportunity to introduce ourselves as part of 200 Million USD Stancor Group having presence and strong infrastructure in Oil & Gas, Power Plants, Refineries, Petrochemicals, Pipelines etc. Stancor is having presence in over 7 countries with over 600 employees. Stancor enjoys a strong business relationship with most of the Fortune 500 Companies in All Sectors. Our commitment & dedication to deliver quality product is realized by our professional team of highly qualified Project Sales Engineers, Big Warehousing Facilities, Logistic Experts, Procurement Specialists, and Efficient Coordinating Staff.

CONTACT US

+91 22 49163016 (10 Lines)

www.stancorplates.com



Stancor Special Products Off. L.B.S. Marg,
Ghatkopar- WestMumbai - 400086



QUALITY

Delivering quality and timely services at all the times, to satisfy customer needs



COOPERATION

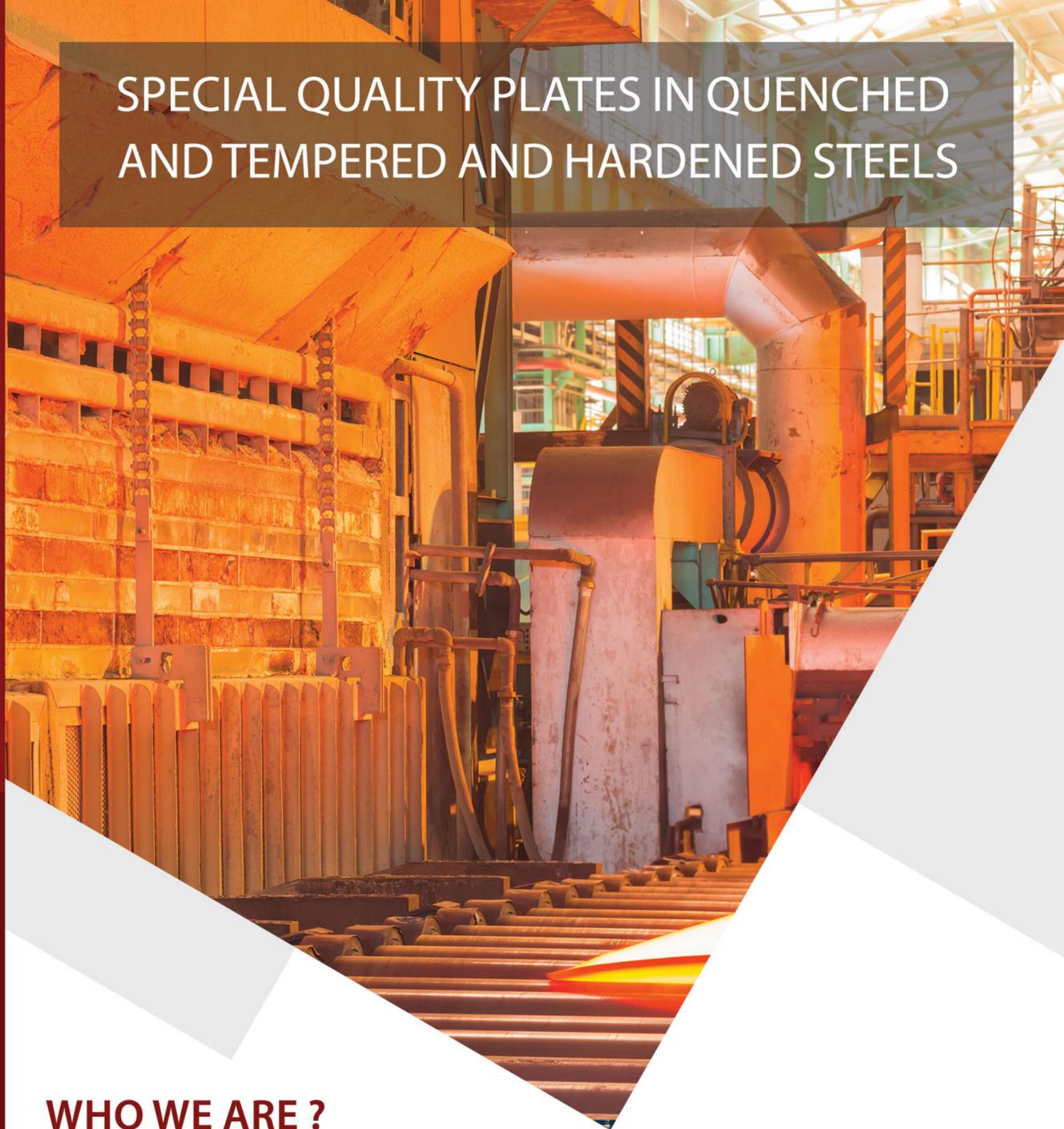
Stancor's main vision is to maintain Good mutual cooperation across all the departments



TEAMWORK

We have dedicated Team for better growth, Improvement and satisfaction of customer

SPECIAL QUALITY PLATES IN QUENCHED AND TEMPERED AND HARDENED STEELS



WHO WE ARE ?

- ✔ We have Inhouse Facilities to Do Quenching, Tempering and Hardening on the Steel Raw Materials and Produce World Class Quality which you can Trust.
- ✔ Our Brands Stanhard , StanTuf and StanMor are one of the world's most Unique products with its special characteristics of Chemical and Mechanical Properties to Achieve What was earlier impossible in QNT Industry.
- ✔ All Our Raw Materials are Supplied from Arcelor Mittal and Nippon Steel India Which is one of the Worlds Biggest Steel Makers and the Quality of the Materials are Undoubtebly the Best.

COMPANY PROFILE

Our Plates Manufacturing Unit, Stancor Special Products is an ISO 9001:2008, ISO 14001:2015 and OHSAS 18001:2007 accredited company with all the Facilities in house to produce Special Quality plates in Quenched and Tempered and Hardened Steels. We have Inhouse Facilities to Do Quenching, Tempering and Hardening on the Steel Raw Materials and Produce World Class Quality which you can Trust. Our Brands Stanhard , StanTuf and StanMor are one of the world's most Unique products with its special characteristics of Chemical and Mechanical Properties to Achieve What was earlier impossible in QNT Industry. All Our Raw Materials are Supplied from Arcelor Mittal and Nippon Steel India Which is one of the Worlds Biggest Steel Makers and the Quality of the Materials are Undoubtebly the Best.

Stancor Plates runs India's One of the Best Quenching, Tempering and Hardening Facility, with a cumulative capacity of 35,000 Tons. We also have an international presence, with units in Dubai, Abu Dhabi, Egypt, Vietnam and Estonia. Our approach to steel distribution is bespoke, with an emphasis on reducing inventory levels and processing costs for our customers. Our facilities can process all types of steel through versatile production lines, including cut to length, slitting, shot blasting, Quenching , Tempering, Normalizing, Hardening Etc. Every facility is equipped with adequate inventory to cater to the regular, urgent and complex needs of our customers.

OUR SPECIAL PRODUCTS

We have our Special brands such as STANHARD, STANMOR, STANTUF & STANLESS

STANHARD

Special Abrasion Resistant Steel

STANMOR

Special Armor & Ballistic Steel

STANHARD

Stanhard TM Plates are one of the widely used Abrasion Resistant Wear Steel Plates

STANMOR

Stanmor TM plates can be used in the manufacture of military vehicles, structural housings with high protection

STANTUF

Super Tough Steel

STANLESS

Stainless Steel

STANTUF

Stantuf TM belongs to the family of High Strength and Tough steel.

STANLESS

Stainless steel is a corrosion-resistant alloy of iron, chromium and nickel

STANHARD

Special Abrasion Resistant Steel

www.stancorplates.com

STANCOR SPECIAL PRODUCTS

SPECIAL ABRASION RESISTANT STEEL PLATES

Stanhard™ Plates are one of the widely used Abrasion Resistant Wear Steel Plates in the Industry Due to their Quality, Efficiency and Precise Brinell Hardness. These are widely used of the wear resistant grades plates. It is the range of high hardness, low alloyed martensitic steels. These plates are resistant to abrasion and is widely used in various applications that require higher wear resistance. These Plates can be easily bended and welded. Stanhard plates have an excellent combination of hardness, abrasion resistance, formability, weldability, toughness and flatness to meet fabrication demands and application requirements.

Raw Materials

All Our Raw Materials are Supplied By Worlds No 1 Steel Maker ArcelorMittal and Nippon Steel - India & It is an Assurance of the Top Quality Steel Supplied From Stancor Special Plates .

Welding

Stanhard™ 400, 450, 500, 550 & 600 plates can be easily bend and welded & always use low-hydrogen welding consumables.

Cold Forming

Stanhard™ plates has high internal steel cleanliness and uniform properties. Thses plates have good formability, weldability, toughness and flatness.

Thermal Cutting

Stanhard TM plates are compatible with all types thermal cutting processes which includes oxy-fuel, plasma, and laser.

- Preheating at 100 to 150°
- Excesspreheating above 200°

Heat Treatment

Heat Treatment N, Q+T

Stanhard TM plates obtained its hardness by quenching . The hardness of Stanhard plates may get reduced with exposure of plates above~ 200°. (Hence, Stanhard plates are not intended for further heat treatment). There are two general rules for preheating: 1. Thickest plate determine the preheat temperature 2. When welding plates of different alloying content the highest alloyed/requiring the highest prehat value determine the preheat temperature.

Product Application

- ✓ Front loaders
- ✓ Dump trucks
- ✓ Mining And Quarrying
- ✓ Process Industries



SPECIAL ARMOR & BALLISTIC STEEL

Stanmor™ plates can be used in the manufacture of military vehicles, structural housings with high protection, armaments and other protective structures and varied military applications. These Plates are also available for uses in applications such as cash-in-transit vehicles, police and para-military equipment, and military armoured personnel carriers. Armor and ballistic steel plate are designed for a variety of military specifications and structural uses.

Raw Materials

All Our Raw Materials are Supplied By Worlds No 1 Steel Maker ArcelorMittal and Nippon Steel - India & It is an Assurance of the Top Quality Steel Supplied From Stancor Special Plates .

Dimensions:

Thickness (mm): 6.0 — 25.0 mm

Width (mm): 1500 — 3000 mm

Supply Condition

Quenched & Tempered, Shot Blasted and Primed

Hardness

The hardness is measured according to DIN EN ISO 6506-1. The measurement takes place 1 mm underneath the plate surface. High Hardness Armour (HHA) — 500 Brinell steel (HB477-540) High Hardness armour steels (HHA or HH) are the most common armour steels. Very High Hardness Armour (VHH) — 550 Brinell steel (HB530-590) These steels are in principal a 500-type steel with slightly higher carbon content- around 0.31%.The HHA steels shall be bendable weldable and not sensitive to fatigue.

Welding And Cutting

The properties of Ballistic Steel plates cannot retained after exposure to temperatures in excess of 170°C. It is not intended for further heat treatment and is commonly welded using normal welding techniques.

Product Application

- Doors, window frames, walls
- Bank Counters and Vaults
- Money exchange offices
- Cars, security vans



SUPER TOUGH STEEL

Stantuftm belongs to the family of High Strength and Tough steel. High Strength Low Alloy Steel High Strength Low Alloy Steel is a type of alloy steel that provides better mechanical properties or greater resistance to corrosion than carbon steel. This kind of steel is used in those projects where higher strength and toughness than mild carbon steel, and good welding ability provided by a low carbon equivalent.

Raw Materials

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Welding

The High Strength steel can be welded with lower preheats. The material temperature should be at least room temperature. High strength steels can be more prone to cracking than mild steels, utilizing proper heat treatment before, during and after welding is key. Preheating temperatures: for plate thicknesses > 20 mm up to 75 °C, > 40 mm up to 100 °C, > 60 mm up to 150 °C and > 100 mm up to 175 °C. Interpass temperature: should be 150 —225 °C.

Supply Condition

Coil, Sheet and Cold Form.

Tolerances

The tolerances are guaranteed as per EN 10051 for all products.

Dimensions

According to delivery program Thicknesses < 150 mm (other dimensions available on request)

Product Features

- ✓ Guaranteed minimum strength levels
- ✓ Produced to AS/NZS 3678
- ✓ Low temperature properties

Product Application

- ✓ Heavy road vehicles
- ✓ Storage vessels
- ✓ Power plants
- ✓ Offshore structures

STAINLESS STEEL



Stainless steel plate is often referred to as 'corrosion-resistant steel' - it does not stain, corrode or rust as easily as normal carbon steel. It would however be misleading to say it is corrosion-proof. Stainless steel plates (and stainless steel in general) are also easy to form. Due to its anti-oxidation qualities, stainless steel is often a popular solution. Stainless steel plate has a clean and attractive appearance, and are relatively light yet very durable.

Raw Materials

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Welding

The stainless steel welding process varies depending on the thickness and finish of the material, as well as the use of the finished product. While there are a variety of methods for welding stainless steel, there are three that are used most commonly by welders in the United States. These stainless steel welding methods are TIG welding, resistance welding and MIG welding.

Ductility

Ductility tends to be given by the % elongation during a tensile test. The elongation for austenitic stainless steels is quite high.

Stainless Steel Families

Stainless steels are grouped into families based on their metallurgical microstructure. The microstructure may be composed of the stable phases austenite or ferrite, a "duplex" mix of these two, martensite or a hardened structure containing precipitated micro-constituents.

Product Features

- ✓ Corrosion resistant
- ✓ High tensile strength
- ✓ Very durable

Product Application

- ✓ Food Processing and handling
- ✓ Heat exchangers
- ✓ Chemical process vessels
- ✓ Architectural

PRODUCTION FACILITIES



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PRODUCTION FACILITIES

PROCESSES WE CARRY OUT

Stress Relieving of Fabricated/ Machined/ Forged items

Full Annealing

Solution Annealing

Hardening and Tempering [Oil and Water] Case Hardening and Tempering

Age Hardening

Sub- Zero treatments

Inhouse and Onsite Pre and Post Weld Heat treatment



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