

Our expertise to take you ahead with quality







ABOUT COMPANY

Saraswati Castings goes far beyond being at the forefront of the Indian Roll industry.it's about breaking new ground in roll Designing, Machining, Finishing and Quality to hand picked clientele.

read more

OUALITY POLICY

Saraswati Castings is a quality driven company with focus on total customer satisfaction. Prime commitment towards quality has resulted in Saraswati Castings Chill Rolls .

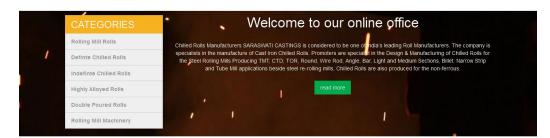




INFRASTRUCTURE

We have a very skilled and talented team of workers. They work hard to deliver quality products which meets our national as well as international

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Featured Products



Rough Stand Rolls



Finishing Stand Rolls



INDEFINITE CHILLED ROLLERS

INDEFINITE CHILLED ROLLERS

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Quality Assurance

Our Products

Indefinte Chilled Rolls Rolling Mill Machinery

Contact Us

Saraswati Castings Opp Arihant Spinning Mills, Industrial Estate, Malerkotla-148023, Punjab.







Helpline -: +91-91566-5555



About Company

Saraswati Castings is located in the industrial estate of Malerkotla, the historical & unpolluted town of Punjab province it is adjoining Mandi-Gobindgarh, which is known as the Steel Capital of India, the factory is situated 350 km North of India's capital New Delhi.



The corporate vision of Saraswati Castings goes far beyond being at the forefront of the Indian Roll industry, it's about breaking new ground in roll Designing, Machining, Finishing and Quality to hand picked clientele, our aim is to focus on providing a single source roll manufacturing and maintenance facility that will ensure fast & accurate results for our esteemed clients, our aim is to provide in-depth and comprehensive technical services to cultivate close customer partnerships, in order to supply the best quality rolls to meet individual mill applications, we are continuously developing and researching methods to improve roll quality and roll shop productivity by increasing campaign life, decreasing down time and reducing roll stocks

Since inception, Saraswati Castings has been a market leader in its core market Mandi-Gobindgarh which has maximum numbers of rolling mills alone (550-600 mills) in India and has met the country's rolling requirements for a wide variety of industries, through continuous

improvements both in process as well as products in addition to that Saraswati Castings is supported by an experienced and highly qualified multi-disciplinary team whose provide tailored solutions for specific mill applications, ensuring high quality cost-effective and efficient solutions, endow with more value to its customers in terms of more rolling per roll

As quality is becoming a decisive factor in the face of ever-harsher competition in national and international markets our market success is closely liked with our uncompromised quality approach which have adopted high-end norms of roll making connected to our goal of meeting the constantly increasing quality requirements of our customers resulting our utterly satisfied customers from decades and this comes not only from quality approach & system, but it comes also from attitude and ethics which transmit our core values of credibility, commitment, agility, team spirit, honesty, integrity and excellence as our corporate culture, we are still committed to our customers for best values, low cost yet high quality product and services.

We have very futuristic vision for our futures to accelerated growth with global mindset through strategic alliances & diversification to serve you even batter because for us, business is not just doing deals; business is having great products, doing great engineering, and providing tremendous service to customers because Saraswati Castings has kept pace with the changing needs of the industry in past, present and of course a self commitment for future.

CATEGORIES Rolling Mill Rolls Definte Chilled Rolls Indefinte Chilled Rolls Highly Alloyed Rolls Double Poured Rolls Rolling Mill Machinery

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Saraswati Castings

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Get Location











Our Products

ROLLING MILLS ROLLS

ROUGHING STAND ROLLS

We manufacture roughing mill rolls from diameter 300 mm to 600 mm and length from 600mm to 1200mm. The hardness of these rolls ranging from 45 degrees to 55 degrees shore C.

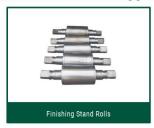


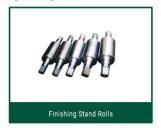
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INTERMEDIATE STAND ROLLS

These rolls are manufactured in the sizes of 250mm to 360mm in diameter and length from 500mm to 600mm. The hardness of these rolls ranging from 60 degrees to 65 degrees shore C.

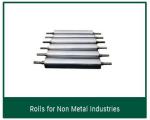
FINISHING STAND ROLLS These rolls are manufactured in the sizes of 250mm to 360mm in diameter and length from 500mm to 600mm. The hardness of these rolls ranging from 70 degrees to 75 degrees shore C.





ROLLS FOR NON METAL INDUSTRIES Rolls for non metal industries like Roller flour mills, Baking Industries. Rubber, Paint, Chemical, Printing ink Machinery, Solvent Extraction Plants etc. ranging from Diameter 150mm to 600mm and length from 300mm to 1500mm. The hardness of these rolls is 60 degrees to 75 degrees shore C. The chill depth ranges between 15-50mm. The chill depth can be increased or decreased as per customer instructions.





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Our Products

OUR PRODUCTS

DEFINITE ROLLS

The working surface of **SARASWATI CASTINGS** shows the white graphite free structure consisting of eutectic carbide and transformed austentite. This gives a hard layer which confers good resistance to wear. The core and neck are made upon steel shaft in specialized double poured centrifugally cost chill Rollers barrels.



Compared to grey iron, white SARASWATI CASTINGS is less soft, strong and incapable of withstanding high dynamic stresses, but owing to its greater hardness, has better wear-resistance, and has high compressive strength. It retains a fair proportion of its strength at elevated temperature, for example, in hot rolling, These make excellent work steel re-rolling mills, semi-automatic or Automatic plants, Wire roll plants, TMT plants, Roughing mill Rollers, Intermediate DEFINITE CHILLED ROLLERS

CHEMICAL COMPOSITION						MECHANICAL PROPERTIES		
CHEMICAL COMPOSITION							Impact	Hardness
c	Si	Mn	Cr	Ni	Мо	kg/mm²	kg.m/cm²	Shore*C
3.00 - 3.40	0.20 - 0.90	0.25 - 0.60	0.20 - 0.50	1.00 - 2.00	0.25 - 0.35	20 - 27	0.20 - 0.25	55 - 70
3.20 - 3.60	0.20 - 0.80	0.20 - 0.60	0.20 - 0.50	1.70 - 2.50	0.25 - 0.40	20 - 27	0.20 - 0.25	70 - 75

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Our Products

INDEFINITE CHILLED ROLLERS

Compared to **SARASWATI CASTINGS** where the chill-zone is graphite-free clear white, indefinite Roll is cast using such proportions of silicon, chromium, nickel and molybdenum that the working face is no longer completely white but contains a small amount of very finely divided graphite flakes gradually increasing from face to core with corresponding decrease in the amount of carbide. The Rollers are to ensure minimum sacrifice of **SARASWATI CASTINGS** while achieving maximum functional depth.



The transition from Chill to graphite being more smooth, the gradual change in hardness associated with the indefinite-chill structure allows deeper grooving. Thus Indefinite Chill Rollers are superior in biting performance and have enough strength and resistance against thermal shock occurring at the time of accident in the rolling operation compared to SARASWATI CASTINGS

Roll of this type have hardness up to about 70 Shore °C can be grooved for use in roughing and finishing stands, for processing sections such as T-bars and U-sections, and for roughing and intermediate Rollers of wire and rod mills.

	CHEMICAL COMPOSITION						MECHANICAL PROPERTIES		
	CHEMICAL COMPOSITION					U.T.S.	Impact	Hardness	
C	Si	Mn	Cr	Ni	Мо	kg/mm²	kg.m/cm²	Shore°C	
3.00 - 3.50	0.80 - 1.50	0.55 - 1.20	0.80 - 1.40	1.45 - 2.50	0.25 - 0.45	20 - 30	0.20 - 0.25	55 - 75	

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Our Products

HIGHLY ALLOYED CHILLED ROLLERS FOR TMT PLANTS:

Alloyed rollers are special steels alloyed with nickel, chromium & molybdenum, which is used in breakdown, roughing & intermediate mills for finishing of heavy sections, these rollers are statically cast and undergo a three stage high temperature heat treatment comprising of annealing, normalizing & tempering rotation, the rollers are available in a wide variety of composition & properties to suit specific application.



CATEGORIES

Rolling Mill Rolls

Definte Chilled Rolls

Indefinte Chilled Rolls

Highly Alloyed Rolls

Double Poured Rolls

Rolling Mill Machinery

The matrix structure is pearlitic or bainitic depending on the alloy content, changing the carbide distribution obatined through control of chemical composition varies the hardness, finishing rollers for sheet, plate and strip mills, intermediate and finishing rollers for small section, bar and wire rod mills, also used as cold mill rollers for ferrous and non-ferrous sheets

CHEMICAL COMPOSITION						
С	Ni	Cr	Мо			
3.00-3.30	1.50-1.80	0.40 max	0.20-0.35			
3.20-3.50	1.70-2.60	0.40 max	0.20-0.35			

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Our expertise to take you ahead with quality





Our Products

DOUBLE POURED CHILLED ROLLS

The working surface of **SARASWATI CASTINGS** shows the white graphite free structure consisting of eutectic carbide and transformed austentite. This gives a hard layer which confers good resistance to wear. The core and necks exhibit a tough grey structure, and the iron of the transition zone is mottled.

Compared to grey iron, white chill iron is less soft, strong and incapable of with standing high dynamic stresses, but owing to its greater hardness, has better wear-resistance, and has high compressive strength. It retains a fair proportion of its strength at elevated temperature, for example, in hot rolling. These make excellent work Rollers for two, three and four-high mills, turning out of high grade ferrous and non-ferrous sheet and strip or section. High Alloy Clear Chilled Rollers have proved well suited for the finishing stand of rod and light section mills, for continuous small and medium hot strip mills, and for strip mills of older design

CHEMICAL COMPOSITION						MECHANICAL PROPERTIES		
CHEMICAL CO	CHEMICAL COMPOSITION					U.T.S.	Impact	Hardness
C	Si	Mn	Cr	Ni	Мо	kg/mm²	kg.m/cm²	Shore°C
3.00-3.40	0.20-0.90	0.25-0.60	0.20-0.50	1.00-2.00	0.25-0.35	20 - 27	0.20-0.25	55 - 70
3.20-3.60	0.20-0.80	0.20-0.60	0.20-0.50	1.70-2.50	0.25-0.40	20-27	0.20-0.25	70-75

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Our Products



Salient Features :

- Available in C.I. Casted
 M.S. casted & Steel Fabricated
 Compact and simple design ensures quick roll change

Specifications :

- 3-Hi & 2-Hi stands
 Centre roll fix fibre type



STRAIGHTENING MACHINE

Technical Specifications :

- Available in 130 mm roll centres to 600 mm roll centres
 number of rolls can be 10/8 and are suitable for all types of sections.
 Straightening Mavhine offered by iron/Adamite Rolls



BUNDLE MACHINE

Salient Features :

- Available in rigid steel fabricated
- body

 Gears from forged & Casted tested En steel

- tested En steel

 Heavy duty Taper Roller
 Bearings

 Capacity to cut 75 mm semi
 hot/cold

 Fixed type / Clutch Type

Salient Features :

 Available in rigid steel fabricated body

• Gears from forged & Casted

PLATE SHEAR

- tested En stee
- tested En steel

 Main Gears from casted tested EN stee
 Heavy duty Spherical Roller Bearings
 Strokes per minute 12-45

Roll Mill Machinery



PINION STAND

Salient Features :

- Available in stress relieved steel
- fabricated body

 Case hardened & Ground helical Gears
- Main gears from casted tested En Steel

- 3-Hi & 2 Hi pinion stands
 Ranging between 4" to 30" PCD



FLYWHEEL

Specifications :

C.I. or steel casted Flywheel upto 20dia Flywheel upto 20 M.T. weight Turned to Zero eccentricity Dynamically balanced

REDUCTION GEAR BOX

Salient Features :

- Designed to dampen vibrations
 Works efficiently at peak loads
 Amply rated bearings
 Splash lubrication

- Single, Double & Multi Stage reduction gear Boxes as per
- Gear Box for 100HP to 4000HP



GEAR COUPLING

Salient Features :

Silent in running
 Fully Fleexible to absorb
 Eccentricity

Specifications:

- Made From tested En-9 steel
 Complete size range

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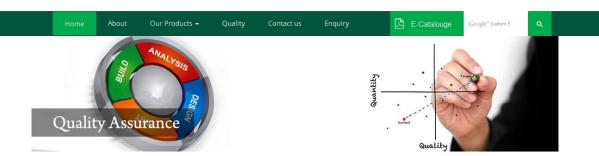
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Saraswati Castings Opp Arihant Spinning Mills, Industrial









Quality Assurance

Saraswati Castings is a quality driven company with focus on total customer satisfaction. Prime commitment towards quality has resulted in Saraswati Castings Chill Rolls being as an ISO 9001 manufacturer of chilled Cast Iron Rolls.Regular Quality Check thorough testing of rolls during each stage of Manufacturing - Casting, Machining or Finishing is carried out.

Microprocessor base equipment is installed for testing of the composition, hardness and dynamic balancing of rolls. The data generated is stored and analyzed regularly. These steps ensure that all rolls are uniform in hardness, chill depth, adequate ductility, high wear resistance and consistency of the hardened layer, ensuring that the rolls we supply meet the stringent quality requirements for our valued customers.

Our concerted efforts in the process of research and development have resulted in production of rolls of the highest quality at reasonable prices. Saraswati Castings finds great pride in the fact that our rolls have been highly appreciated by customers from across the globe.







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Our expertise to take you ahead with quality





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Head Office and Works

 O
 Company Name : Saraswati Castings

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 Phone : + 91-1675-257480

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 Fax No : + 91-1675-250480

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• Address :- Opp Arihant Spinning Mills, Industrial Estate,

Malerkotla-148023, Punjab. India.

Email :- info@saraswaticastings.com

Website:- www.chilledrolls.co.in

Branch Office

Company Name:
Mobile No:
+91-95309-90000

Branch Office

Address:
206, Palsikar Colony, Opp Johnsons Ice Cream.

Indore. (M.P.).

Email:- info@rollexporters.com

Website:- www.rollexporters.com

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Enquiry Form

Name:	php echo htmlentities(\$name) ?	CATEGORIES
Address:		Rolling Mill Rolls
		Definte Chilled Rolls
City:	php echo htmlentities(\$city) ?	Indefinte Chilled Rolls
Email:	php echo htmlentities(\$visitor_email) ?	Highly Alloyed Rolls
Mobile:		Double Poured Rolls
viodile:	php echo htmlentities(\$mobile) ?	Rolling Mill Machinery
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Enter the code:	Can't read the image? click here to refresh	
	Submit	

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