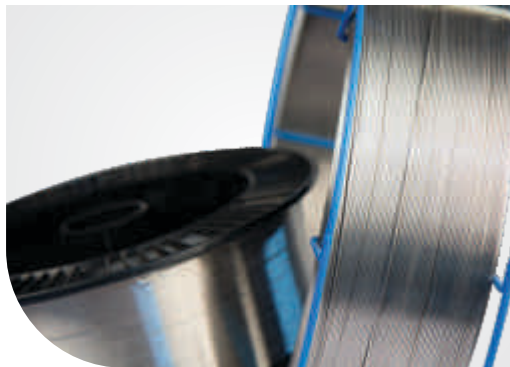
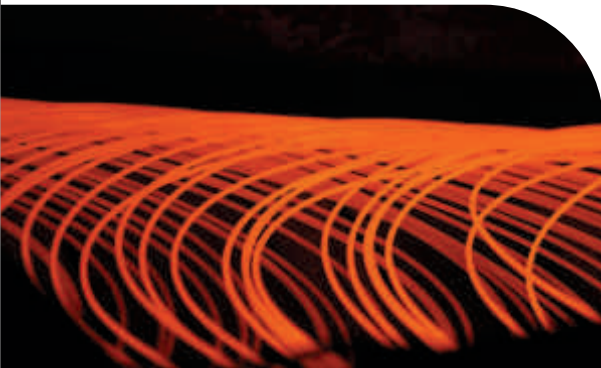




Giving Edge to your Business

Stainless Steel

WIRE ROD • BARS • WIRES



40 YEARS

With 40 years of special steel making experience, Panchmahal Steel is a leading producer of Stainless Steel long products in India. With a dedicated focus on Stainless Steel & fully integrated facilities from steel melting to cold finishing, we offer a comprehensive range of Stainless Steel grades, in hot rolled wire rod & bars and cold finished bars & wires.

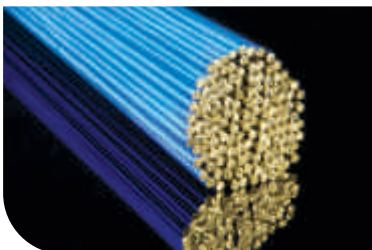
Panchmahal's state-of-the art steel melting facility includes an ultra high powered 50 metric ton electric arc melting furnace, AOD convertor, ladle furnace for superior steel refining and continuous casting.

Facilities for cold finished bars & wires include coil-to-bar drawing & bar-to-bar peeling lines, heat treatment facilities, shot blasting & pickling lines and spooling, cutting & stamping lines for Stainless Steel welding products.

We offer Stainless Steel in Austenitic, Martensitic, Ferritic, Duplex and low nickel - high manganese (200 series) grades.

Panchmahal's core strength lies in its ability to meet customers unique requirements. Our fully integrated facilities enable us to produce Stainless Steels with various modified chemistries for customer specific applications.

With ever changing market dynamics, Panchmahal is equipped to provide customized products and services for global markets, for volume as well as for specialty niche market requirements.



Stainless Steel Wire Rod & Bars



Stainless Steel Wire Rod & Bars are available in Austenitic, Martensitic, Ferritic, Duplex & low Nickel - high Manganese (200 series grades) for further forming, drawing, machining and cold heading & fastener applications.

Applications

- Architecture, Building & construction
- Automobile Components
- Ball bearing
- Bar & Wire drawing
- Braiding
- Cold heading & fasteners
- Cylinder shafts
- Food processing equipment
- Heat resisting applications
- Hot forging
- Machining
- Oil & Gas Industries
- Pump & Valves
- Refractory Anchors
- Screens & Filters
- Spokes
- Springs
- Surgical Instruments
- Thread Rolling
- Welding
- White goods & consumer durables
- Wall Ties
- Wire Mesh
- Wire Ropes

Wire Rod

- Coil Weight : 500 - 650 kg
Size Range : 5.5 mm to 26.3 mm
Supply Condition : Hot Rolled & HRAP

Bars

- Size Range : 2.00 mm to 84.00 mm
Tolerances : h8, h9, h10, h11, k12, DIN 1013, A484, GRIT 240 & 320
Length : 1000 - 12000 mm
Packing : 100 - 1000 kg bundles
Supply Condition : Hot Rolled, Hot Rolled & Annealed, Cold drawn & Polished, Peeled & Polished, Strain Hardened (Class 1 and 2)

Cold Finished Bars for precise engineering

Hardened & Tempered (QT), Solution Annealed & Soft Annealed bars are produced in standard and customized lengths for demanding applications like Cylinder Shaft, Pumps & Valves and Oil & Gas Industry.

Bars for Free Machining

Austenitic, Ferritic and Martensitic free machining grades are produced with Calcium Silicide (Ca-Si) treatment. Sulphur levels of 0.15-0.35% are maintained for improved machining and better tool life.



Stainless Steel Wires

Overview

Supply Condition	Size Range	Coil Weight	Packing
Soft Annealed (Matt/Bright) 1/4 Hard, 1/2 Hard, Full Hard, Spring Hard, EPQ	0.20 mm to 18.0 mm	10 kg to 650 kg	Coils with / without metal carriers Core packing with pallet Drum packs Cheese wound / Euro Coils / Spools

Wires for Cold Heading & Fasteners

Various grades of Wires are available for cold heading & fastener applications. Supply conditions include soft annealed & soap drawn wires for production of nails, nuts, bolts & screws.

Heat Resistant Wires

Grades are produced with controlled chemistry for better heat resistance. Wire rod, bars & wires are available for various applications including refractory anchors, conveyor belts for food processing industry, cold heading & fasteners.

Wires for Braiding, Weaving, Knitting & Filters

Bright and matt finish wires are available in sizes 0.20 mm to 5.0 mm with consistent surface finish and high corrosion resistance properties. Wires are supplied on spools and in coils.

Wires for Spring

Soap coated & bright drawn wires are produced with controlled chemistries to ensure forming consistency and reproducibility. Wires are produced as per ASTM A313 and supplied on metal carriers and spools.

Wires for Ball Making

Cold drawn wires are produced in various sizes & grades with controlled tolerances & chemistries for manufacturing of precision Stainless steel balls used for domestic & industrial applications.

EPQ Wires

Aesthetically superior wires are produced from 1.6 mm to 8.0 mm for electro-polishing & electro-plating processes for manufacturing White Goods and Consumer Durables.

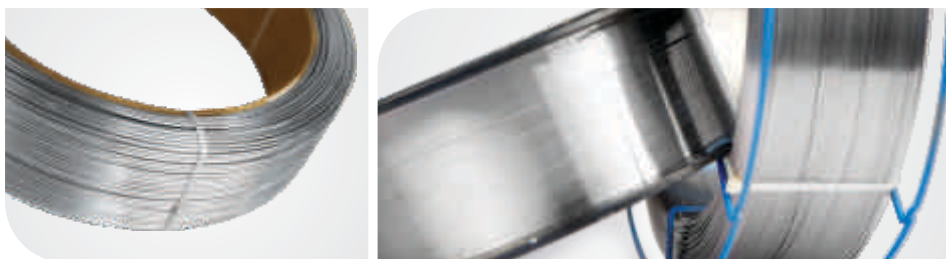
Fine Wire

Size	Surface Finish	Condition	Plastic Spool Size	Weight
0.200 mm to 0.800 mm	Bright	Soft Annealed, Bright Hard Drawn	DIN 160/DIN 200/DIN 250	4-6 Kg./10-12 Kg/18-20 Kg.



Stainless Steel Welding Wires

TIG, MIG, SAW, Core Wires



Wires for Welding

Panchmahal's welding product range includes Core wires in coils & cut length for electrode manufacturing and TIG, MIG & SAW filler wires.

We produce standard as well as customised chemistries as per AWS, EN & GOST standards. Customised packing, Labelling & Stamping solutions for private labels are also offered.

	MIG Wires	TIG Wires	SAW Wires	Core Wires in Coils	Core Wires in cut length
					
Sizes	0.6 mm to 1.6 mm	1.0 mm to 5.0 mm	1.6 mm to 4.0 mm	1.6 mm to 5.0 mm	1.6 mm to 5.0 mm
Finish	Matt or Bright	Bright	Matt or Bright	Matt or Bright	Matt or Bright
Length	----	1000 mm or 36"	----	----	Customized
Packing	12.5 kg & 15.0 kg Precision Layer Wound Plastic (D300) & Metal Baskets (BS300)	5 Kg (10 lbs) plastic tubes	25 kg Layer Wound with Core H 400 Plastic Spools K 415 Metal Baskets	25 Kg to 650 Kg Coils	250 Kg to 1000 Kg crates



Stainless Steel Grades

Panchmahal	Equivalent			Form of products			Applications							
	EN	AWS	ASTM/UNS	Wire Rod	Bars	Wires	General Purpose	Cold Heading	Welding	Free Machining	Heat Resisting	Ball Mfg	Spring	Shaft
304LERA	-	-	-	•		•			•					
307Si	18 8 Mn	-	-	•		•			•					
308LERA	19 9 L	ER308L	-	•		•			•					
308LERH	19 9 L	ER308L	-	•		•			•					
308LERI	19 9 L	ER308L	-	•		•			•					
308LSiB	19 9 L Si	ER308LSi	-	•		•			•					
308LWD	-	-	-	•		•			•					
309LERB	23 12 L	ER309L	-	•		•			•					
309LERG	23 12 L	ER309L	-	•		•			•					
309LSiC	23 12 L Si	ER309LSi	-	•		•			•					
309LSiD	23 12 L Si	ER309LSi	-	•		•			•					
310ERB	25 20	ER310	-	•		•			•					
ER312	29 9	ER312	-			•			•					
ER312A	29 9	ER312	-			•			•					
316LERA	-	-	-	•		•			•					
316LERS	(19 12 3 L)	ER316L	-	•		•			•					
316LERT	19 12 3 L	ER316L	-	•		•			•					
316LERU	-	-	-	•		•			•					
316LSi	(19 12 3 LSi)	ER316LSi	-	•		•			•					
316LSiA	19 12 3 L Si	ER316LSi	-	•		•			•					
317LER	(18 15 3 L)	ER317L	-	•		•			•					
ER2209	22 9 3 NL	ER2209	-			•			•					
ER347AWS	19 9 Nb	ER347	-	•		•			•					
ER347ERA	-	-	-	•		•			•					
ER420	420	ER420	-	•		•			•					
430LERA	17	ER430	-	•		•			•					
430LERB	17	ER430	-	•		•			•					
904L	20 25 5 Cu L	ER385		•		•			•					
410NiMoA	13 4	ER 410NiMo		•		•			•					

Panchmahal	Equivalent			Form of products			Applications							
	EN	JIS	ASTM/UNS	Wire Rod	Bars	Wires	General Purpose	Cold Heading	Welding	Free Machining	Heat Resisting	Ball Mfg	Spring	Shaft
409CbNi	-	-	-	•	•	•	•	•						
410/403	1.4006	SUS410	410/S41000	•	•	•	•	•						•
410C	1.4006	SUS410	410/S41000	•			•	•						
410E	1.4006	SUS410	410/S41000	•			•	•						
410F	1.4006	SUS410	410/S41000	•			•	•						
410G	1.4006	SUS410	410/S41000	•			•	•						
410H	1.4006	SUS410	410/S41000	•			•	•						
410L	-	SUS410L	S41003	•		•		•						
416/1.4005	1.4005	SUS416	416/S41600	•	•				•					
420/1.4021	1.4021	SUS420J1	420/S42000	•	•	•	•					•		•
420B/1.4028	1.4028	SUS420J2	420/S42000	•	•	•						•		•
420C/1.4034	1.4034	-	420/S42000	•	•	•						•		•
420NiMo	-	-	-	•		•						•		
430F	-	SUS430F	430F/S43020	•	•	•			•					
430LB	1.4016	SUS430	430/S43000	•	•	•	•	•				•		
1.4057	1.4057	SUS431	431/S43100	•	•	•								•
1.4104	1.4104	-	-	•	•				•					
1.4105	1.4105	-	-	•	•				•					

Stainless Steel Grades

Panchmahal	Equivalent			Form of products			Applications							
	EN	JIS	ASTM/ UNS	Wire Rod	Bars	Wires	General Purpose	Cold Heading	Welding	Free Machining	Heat Resisting	Ball Mfg	Spring	Shaft
201B	-	-	-	•		•	•							
201Cu	-	-	-	•	•	•	•	•						
201PNI3	-	-	-	•		•		•						
202B	-	-	-	•	•	•	•							
204CuB	-	-	S20430	•	•	•	•	•					•	
204CuD	-	-	-	•	•	•	•	•					•	
204CuG	-	-	-	•	•	•	•	•						
204CuH	-	-	-	•	•	•	•	•					•	

Panchmahal	Equivalent			Form of products			Applications							
	EN	JIS	ASTM/ UNS	Wire Rod	Bars	Wires	General Purpose	Cold Heading	Welding	Free Machining	Heat Resisting	Ball Mfg	Spring	Shaft
301	1.4310	SUS 301	301	•	•	•	•						•	
302A	-	SUS 302	302/S30200	•		•	•						•	
302C	-	SUS 302	302/S30200	•		•								
302HQC	1.4567	SUS X M7	S 30430	•		•		•						
303/1.4305	1.4305	SUS 303	303 / S30300	•	•	•	•			•				
303C	1.4305	SUS 303	303 /S30300	•	•	•	•			•				
304/1.4301	1.4301	SUS 304	304 /S30400	•	•	•	•	•				•	•	•
304F	1.4301	SUS 304	304 /S30400	•		•		•						
304R	1.4301	SUS 304	304 /S30400	•		•	•	•						
304NM	1.4306	SUS 304L	304L/S30403	•		•	•	•						
304S/1.4301S	1.4301	SUS 304	304 /S30400	•	•	•	•	•		•				•
304L/1.4307	1.4307	-	304L/S30403	•	•	•	•	•						
304LS/1.4307S	1.4307	-	304L/S30403	•	•	•	•		•					
304LA	1.4307	SUS 304L	304L/S30403	•		•	•	•						
304LB	1.4307	-	304L/S30403	•		•	•	•						
304Cu2	-	SUS 304J3	-	•		•		•				•	•	
304LCu2	-	SUS 304J3	-	•		•		•						
304LCu3	-	-	S30430	•		•		•						
310S/1.4845	1.4845	SUS 310S	310S/S31008	•	•	•	•				•			
314A	1.4841	-	314/S31400	•	•	•	•				•			
314B/1.4841	1.4841	-	314/S31400	•	•	•	•				•			
316/1.4401	1.4401	SUS 316	316/S31600	•	•	•	•	•						•
316L/1.4404	1.4404	-	316L/S31603	•	•	•	•	•						
316LS/1.4404S	1.4404	-	316L/S31603	•	•	•	•		•					
316Ti	1.4571	SUS 316Ti	316Ti/S31635	•	•	•	•							•
321	1.4541	SUS 321	321/S32100	•	•	•	•							•
1.4541	1.4541	SUS 321	-	•	•	•	•							
1.4571	1.4571	SUS 316Ti	-	•	•	•	•							
2205	1.4462	SUS 329J3L	2205/S32205	•	•	•	•							•
1.4828	1.4828	-	-	•	•	•		•			•			
1.4362	1.4362	-	2304/S32304	•	•	•	•							•

Approvals

ISO 9001:2008

AD 2000 - Merkblatt W0

PED CWB DB

Vd TUV - Merkblatt 1153





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WIRE ROD • BARS • WIRES

GIDC Industrial Estate, Kalol 389 330,
Dist. Panchmahal, Gujarat, India
T: +91 2676 304 777 F: +91 2676 304 888
sales@panchmahalsteel.co.in
www.panchmahalsteel.co.in