



ISPAT & POWER LIMITED



An ISO 9001:2008 Certified Company

AVON ISPAT & POWER LTD.
INDERJIT SINGH MACHINE DIVISION





SHRI HANS RAJ PAHWA

ABOUT US



SHRI INDERJIT SINGH

Avon Ispat & Power Ltd. is a confluence of innovation with quality. We are yet another synonym for **Best Quality, customer-satisfaction and excellence** are our hallmarks. It was in 1952 under the group chairman Sh. Hans Raj Pahwa's command when we had ventured in to steel business, and today we are a brand not because we make good quality steel but because we believe in **building steel-like relationship** with our customer through our quality products.

We are into manufacturing of **Cold Rolled Steel Strips, ERW steel precision Tubes, and Bi cycle Steel Rims**. We have our presence in Solar Energy generation also. We are a multi-unit entity, and have our manufacturing set up at Ludhiana, India.

We do business **dutifully and with full onus**. We do every effort to comfort our customer and make him happy with our services. Our customers keep us updated every now and then as how to improve the quality and technology of the product.

Avon Ispat & Power Ltd., runs on a true corporate culture, piloted by value-based principles that underline every business decision. We get **technology with innovation** in order to create newness in our products.

The way with our organization is to give the best to the best. Regular training at all levels is done to ensure that quality is not at all compromised with. Our Steel Strips and Tube division are entrusted with **ISO 9001:2008 certification**.

Our products are manufactured from **industry's top-notch** raw material supplier such as **TATA, SAIL and JSW**.

With the dedicated guidance and sanguine stewardship of Sh. Harcharan Singh Pahwa, son of late **Sh. Inderjit Singh Pahwa**, Avon Ispat is going north and making new horizons for itself, pan India.

The company has a team of **young, energetic and talented aspirants**, who judiciously pool their wisdom for a common goal; and at the same time are up for new gauntlets whatever they may be. Our team works towards excellence. With years of bagful of experience in this industry, Avon Ispat strives to retain the **quality and integrity** with which it had been established years ago.

COLD ROLLED COILS



Avon Ispat & Power Limited is one of the top notch and leading manufacturers of Cold Rolled coils in the northern part of the country. We make coils by using latest technology and ultra modern and highly advanced equipment.

End applications of Cold rolled coils / Sheets:

- Precision Tubes
- Bicycle / auto rims / Bicycle Components
- Deep / Extra deep drawn auto components for auto sector
- Material handling system
- White goods sector
- Furniture & office equipment
- Blades , Knives & Springs
- Bicycle and Auto Parts

Various grades rolled along with their specifications and dimensional tolerances are detailed as under

WIRE FLATTING MILLS No. (2)

We have a set up to flat the HB wire, which has further various industrial uses. We are already catering to the requirement of many reputed companies for chain bush and chain bush roller.

PRODUCT SPECS. For Chain Roller & Chain Bush

Description	Range	Remarks
Width	2.20 to 9.50 mm	
Thickness	0.50 to 1.20 mm	

COLD ROLLED COILS

Product Application :

- For Cycle chain Bush
- For Cycle Chain Roller
- For Tape measurement s
- And for other various industrial applications.

The high end quality control department that is equipped with the finest equipment for testing raw material and finished goods are the hallmarks that govern the quality of the products rolled out of the completely automatic mills.

STEEL GRADES

Grade	C%	MN%	S%	P%	Al%	Si%	Nb%	Hardnes	Uts	Ys	EL%
	Max	Max	Max	Max	Min/Max	Max	Min	Max(Hv)	Kg/mm 2min	kg/mm2	Min
Semi Killed	0.05 to 0.11	0.35 to .50	0.05	0.05	0.008 Max	0.08		110 to 235			
D	0.10	0.50	0.50	0.05	0.02 To 0.06	0.02		115	28	25 Max	34
DD	0.08	0.40	0.05	0.05	0.02 To 0.06	0.02		105	28	25 Max	35
EDD	0.06	0.35	0.05	0.05	0.02 To 0.06	0.02		85 To 95	28	23 Max	34
Mc-11 or C-40	0.35 To 0.45	0.60 To 0.90	0.05	0.05	0.02 To 0.06	0.02		220 To 260			
Mc-12 or C-35	0.50 To 0.60	0.60 To 0.90	0.05	0.05				160			
C-62	0.59 To 0.67	0.60 To 0.90	0.05	0.05				165			
Hc-14 or C-80	0.75 To 0.85	0.50 To 0.90	0.50 to 0.90	0.05	0.05			175			
ST-42	0.10	1.20	0.05	0.05	0.02 To 0.06	0.02		150	42		30
SAPH-440	0.12								44		30
E-34	0.10	1.20	0.05	0.05	0.02 To 0.06	0.02		150		34 min	30
SAPH-590	0.15	1.80	0.05	0.05			0.01	200	60		14
HT-60	0.15	1.80	0.05	0.05			0.01	200	60		14
ST2K-60	0.15	1.80	0.05	0.05				185 To 225	59 To 74	520 mm	

COLD ROLLED COILS

DIMENSIONAL TOLERANCES					
DIMENSIONAL TOLERANCES AS PER BIS OR ANY OTHER INTERNATIONAL STANDARD OR AS PER CUSTOMER SPECIFICATIONS CAN BE SUPPLIED HOWEVER CLOSER TOLERANCES ARE SUPPLIED BY M/S AVON ISPAT & POWER LIMITED					
C.R STRIPP			FLATTEND WIRE		
		OFFERED BY AIPL			OFFERERD BY AICL
THICKNESS IN MM	0.20 TO 0.50	±.02	THICKNESS IN MM	0.50 To 1.15	±.02
	0.51 TO 1.50	±.02			
	1.51 TO 4.50	±.03			
WITH SLITTED IN MM	UP TO 100	±.10	WIDTH IN MM	2.20 To 5.80 5.81 To 9.00	±05 ±10
	100 To 200	±.15			
	200 To 460	±.20			
UNLISTED IN MM		±6,-NILL			
LENGTH IN MM	UP TO 500	+1,-NILL			
	ABOVE 500	+2-NILL			
CAMBER	COLIS	CAMBER	COILS	6MM PER MTR	

CR STRIPS		FLATTENED ROLLED & BUSH WIRE	SURFACE-BRIGHT/ROUGH/MATT
Thickness in mm	CR-0.20 to 4.30 HROP up to 6.00	0.50 to 1.15	SURFACE-R.P OILED /DIESELED/WITH OUT OIL PACKING- STRETCH FILLING/ HESSIAN CLOTH PACKING IS AVAILABEL ON SPECIAL DEMAND VCI PAPER IS ALSO AVAILABLE FOR COILS AND CTL SHEETS
Width in mm	11 To 460	2.20 To 9.00	
Coil ID in mm	400 and 500	400	
Coil OD in mm	Upto to 9kg per mm	As REQUIRED	
Length OF CTL in MM	250 To 3000	COIL WIDTH 100	

ERW TUBES

Avon Tubes Limited is one of the leading and top-notch manufacturers of ERW Steel Tubes with an installed capacity of 36000 M.T. Per annum equipped with three Auto Cut Tube Mills. We make ERW Steel Tubes that are used for cycles parts, auto parts and general goods.

We take pride in saying that Avon Tubes Limited is one of the oldest companies manufacturing ERW tubes with Fin cut range and is regularly catering to the quantitative and qualitative requirement of several well-known names with in and outside India.

Precision Tubes are extensively used in bicycles, automobiles, power & industrial boilers, transformers, super heaters, economizers, heat exchangers, railway electrifications and furniture application. A team comprising highly motivated and qualified engineers in the Research and Development wing keeps pace with improved techniques and latest developments in tube technology pertaining to this field. Reliable, long lasting and Customized, Precision, Seamless, Welded Tubes from AVON Tubes meet National and International Standards



PRODUCT RANGE

OUTER DIA IN MM

size in mm	0.91	1.02	1.22	1.42	1.63	1.83	2.03	2.64	2.80	3.15
	20G	19G	18G	17G	16G	15G	14G	12G	11G	10G
OD in mm	12.70	13.10	15.88	19.05	22.23	23.42	25.40	28.58	29.00	31.75
	33.70	34.92	35.00	38.10	40.00	44.45	50.80	63.50		

OVAL :17.2X25MM,31.50 X 65.80MM

SQUARE PIPE: 40X40MM

FIN CUT RANGE

57.15X1.22

SPECIFICATIONS

CHEMICAL COMPOSITION

C%	Mn%	S%	P%	Si%
0.15	0.60	0.60	0.60	0.015

TOLERANCE

Outer Dia As Per Is 3074/ Is 2039

Thickness:as Per Is 3074/ Is 2039

BICYCLE & AUTO RIMS

Specifications Of Rims Being Manufactured By Avon Ispat & Power Limited As Under:



Types	Tyre Size	Rim Size	Rim Weight in kg(+20gm)	circumf rence onBead Seat (+1.50mm)	Spoke Holes		C.R.Strips		Width of steel tape	Thickness of steeltape (+0.005m m)
					Front	Rear	Width	Thk		
Westwood	40535	26X1.1/2"	1.11	1994	32	40	79.38	0.91	22.0	0.3
Westwood	44584	26X1-1/2"	1.050	1834	32	40	79.38	0.91	22.0	0.3
Westwood	40534	24X1-1/2"	0.940	1676	32	40	79.39	0.91	22.0	0.3
Westwood	54559	26X2"	1.600	1756	36	36	99.0	1.20	30.0	0.3
Westwood	54571	26X1.75"	0.98/1.00	1794	36	36	79.38	0.91	22.0	0.3
Heavy duty Rim W/W	40635	28X1-1/2"	1.45	1994	32	40	79.38	1.20	22.0	0.3
Westwood	54571	26X2X1.3/4"	1.280	1794	36	36	79.38	1.10	22.0	0.3
Westwood	40635	28X1-1/2"	1.600	1994	32	40	79.38	1.32	20.3	0.3
Washer type heavy duty Rim W/W	40635	28X1-1/2"	1.450	1994	Nil	40	79.38	1.20	22.0	0.3
Westrick	37451	20X1-3/8"	0.790	1416	20	20	94.74	0.71	20.3	0.3
Westrick	57406	20X2.125"	0.685	1274	32	40	94.74	0.71	20.3	0.3
Westrick	37590	26X1.3/8"	1000	1854	32	40	94.74	0.71	20.3	0.3

BICYCLE & AUTO RIMS

Type	Tyre Size	Rim Size	Rim weight in kg(+/-20gm)	Circumference on Bead Seat ($\pm 1.50\text{mm}$)	Spoke Holes		C.R.Strips (+/-0.02mm)		width of steel tape(-0.1mm)	THICKNESS OF TAPE($\pm 0.005\text{MM}$)
					Front	Rear	width	Thk		
Endrick	57507	24X1.95"	0.730	1592	36	36	0.13	0.71	18.0	0.3
Endrick	37540	24X1-3/8"	0.780	1895	32	40	84.13	0.71	17.1	0.3
Endrick	37590	26X1-3/8"	0.870	1854	32	40	84.13	0.71	18.0	0.3
Endrick	37590	26X1-3/8"	0.870	1654	36	36	84.13	0.71	18.0	0.3
Endrick	32630	27X1-1/4"	0.940	1978	32	40	84.13	0.71	17.1	0.3
Endrick	44559	26X1.95"	0.820	1756	36	36	84.13	0.71	17.1	0.3
Endrick	47559	26X1.95"	0.820	1756	36	36	84.13	0.71	18.0	0.3
Endrick	57507	24X2.125"	0.750	1592	32	40	84.13	0.71	18.0	0.3
Endrick	57406	20X2.125"	0.600	1274	32	40	84.13	0.71	17.1	0.3
Endrick	37451	20X1-3/8	0.680	1416	20	20	84.13	0.71	18.0	0.3

Types	Tyre Size	Rim Size	Rim Weight in kg(+/-20gm)	Circumference on Bead (Seat($\pm 1.50\text{mm}$))	Spoke Holes		C.R Strips		width of steel tape (-0.1mm)	Thickness of steel tape ($\pm 0.005\text{mm}$)
					Front	Rear	Width	Thk		
Montage	57559	26X2.125	1.230	1732	32/36	40/36	112	0.80	22.0	0.3
Montage	57507	24X2.125	1.125	1573.5	32/36	40/36	112	0.80	22.0	0.3
Montage	57406	20X2.125	0.890	1254	28	28	112	0.80	22.0	0.3

OUR CLIENTS



ISPAT & POWER LIMITED

Address:

G.T. Road, Dhandari Kalan, Ludhiana 141010. (Pb.) India.

Tel: +91-161-2511482 to 88 | **Fax:** +91-0161-2511489

Mail: info@avonispat.com | **Web:** www.avonispat.com