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An ISO 9001:2015 Certified Company

What SITIC SPECIALITY STEELS Is

SITIC Speciality Steels Pvt Ltd., is a high tech and production-oriented enterprise specializing in the production of high precision Cold Drawn Seamless, Ready to hone tubes, Hydraulic Cylinders, Hydraulic Cylinder Tubes, Hydraulic Cylinder Components Precision machined components.

The company has formulated a standardized quality assurance management system and is certified with ISO 9001:2015 quality management system certifications.

The company has advanced production equipment's and material testing lab as per BIS regulation. Our facility is capable in precision cold drawing, various heat treatment procedures and best machining solutions.

The products comply with ASTM A106 / A53 Gr. B, GB/T 3639, DIN 2391, EN 10305, EN 10297, ASTM A519, JIS G3445 and other relevant standards or can meet the customized needs of customers.

The products are used in Auto parts, hydraulic cylinders, geological drilling, nuclear power, chemical industry, boilers, etc. The product quality is under continuous improvement with national and international clients.

OUR EXPERTIES

Leading Manufacturer of Cold drawn seamless pipes (CDS Pipes), Ready to hone tubes, honed tubes & hydraulic cylinders and components.

Containerization & Crating

It takes a fair amount of skill to ensure that containers and crates are packed properly. Our team has extensive experience with the containerization process and ensures that all pipe is packed to make its journey safely and cost effectively.

Location

Our facility is located in Kalamboli steel market- The largest in south Asia. This enables us to transport anywhere in India within 1 week.

Freight Forwarding & Documentation

Our team is proficient in processing the documentation required for sending goods to other states

PATALGANGA FACILITY

At our Patalganga Facility, we have extensive processing capabilities to meet Client's Non-Standard requirements/specifications. At our factory having 62,000 Sq.ft. of total area; built area of 11,000 Sq.ft. & 44,000 Sq.ft. of Godown.



OUR PRODUCTS

Cold Drawn Seamless Pipe

Cold drawn seamless tubing possesses a high strength-to-weight ratio and can be processed to provide a combination of desired characteristics. Cold drawn seamless mechanical tubing is used in a variety of uses, particularly when heavy wall thicknesses, specific steel alloys or both are required.

Application: Specific applications include bushings, spacers, bearings and other mechanical parts in automobiles, trucks, aircraft and construction, agricultural and drilling equipment, as well as hydraulic cylinders. Our products offer good dimensional accuracy; good surface quality; excellent micro-structure uniformity; good machinability; and high tensile properties. Cold drawn seamless tubing is also suited for such post treatments as carburizing and heat treating.

Available in Grades: ASTM A106Gr.B, E355 EN10305 & EN10297, ST52 DIN1629, etc.

Length: Single Random, Double Random & Required Length **End:** Plain End, Beveled End, Threaded

We can also cut, thread, and groove Cold Drawn Pipe, Tube to meet your specifications



Line Pipe

A Line pipes is a long tube that is used to transport liquids or gases over long distances. Pipelines are made of metal. While the transport of liquids and gases is common, some pipelines are used to transport coal or iron ore, which are mixed with mud.

Application: : Line Pipe is pipe used for the transmission of Oil, Gas and Petroleum Distillates.

Available in Grades: ASTM 106 Gr. B, ASTM 106 Gr C \API 5L – X42, X46, X52, X56, X60, X65, X70, X80,

Length: Single Random, Double Random & Required Length

End: Plain End, Beveled End, Threaded

Hydraulic Cylinder Tubes

The hydraulic tube is cylinder-like shaped tubing device that when attach to hydraulic systems, allow for the passage of fluids within and among components. The tube standard specifies dimensions for cold drawn finishing and seamless precision steel tubes. Hydraulic steel tube is designed to convey liquid fluids to among hydraulics components, fittings, valves, flanges, and other tools.

Application: Widely used in hydraulic systems for control and power transfer

Available in Grades: E355, ST 52, ST 37, A106 Gr B & C, P355 NL1, A333 Gr 10

Length: Single Random, Double Random & Required Length

End: Plain End, Beveled End, Threaded



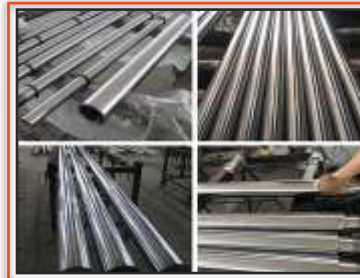
Hydraulic Cylinders

Hydraulic cylinder is a mechanical instrument, which consists of barrel, piston and piston rod that can use the power from the pressurized fluid. Hydraulic cylinders in India are available in various designs and styles such as tie rod design, mobile, block hydraulic cylinder, rotary, round flanged end.

Application: : Construction devices, engineering vehicles, road construction, mining etc.

Hydraulic Cylinder Accessories

A hydraulic cylinder has eight basic components; the clevis, gland, port(s), barrel, rod, piston, the end cap, and the seal. When combined, these parts allow the hydraulic cylinder to pressurise fluid that mobilises a piston to generate power for a machine.



Hard Chrome Plated Rod & Bars

Hard Chrome Plated Shafts (Hard Chrome Plated Bars) and hardened hard plated chrome bars are designed to meet your specific needs for piston rod material in Hydraulic and Pneumatic Cylinders and other applications. Most advanced techniques of surface removal, polishing and hard chrome plating are used in manufacturing the above bars.

Honed Tubes / Skived And Burnished Tubes

Honing is an operation that is used primarily to improve the surface finish of holes produced by processes such as Boring, Drilling, And Internal Grinding. The Honing Tool Consists of a Set of Aluminium Oxide or Silicon-Carbide Bonded Abrasive Sticks, usually Called Stones.

Skiving And Roller Burnishing Is a Two-Part, One-Pass Process That Removes Stock With Skiving Knives, Then Cold-Works Metal Surfaces With Rollers To Achieve The Highest Surface Finish Tolerances. This Process Is Commonly Used to Finish Hydraulic and Pneumatic Cylinders

Available Grades: Mild / Carbon Steel – ST52, E355, A106, SS 304, SS 316

Standard: DIN2391, EN10305, ASTM



Automotive Tubes

The high-precision cold-drawn/cold-rolled seamless steel pipes produced by SITIC are mainly used in engine systems, gearbox systems, transmission systems, steering systems, and chassis system components of various passenger cars and commercial vehicles. The product quality is excellent and stable, and the terminal serves many domestic and foreign OEMs and mid-to-high-end after market parts manufacturers.

Ready To Honed Tube

This cylinder pipe is ready to use for hydraulic cylinder applications without further ID processing. The honing process involves using abrasive polishing stones and abrasive paper to remove small amounts of material, to produce extremely precise ID dimensions and improved finishes

Application: Making and repairing hydraulic cylinders and pneumatic cylinders

Available in Grades: E355, ST 52, ST 37, A106 Gr B & C.



Steel Pipe Dimensions Chart ANSI B36.10 & 36.19

Nominal Pipe Size		Outside Diameter (mm)	Nominal Wall Thickness Schedule																
NPS	DN	OD	SCH 5s	SCH 10s	SCH 10	SCH 20	SCH 30	SCH 40s	SCH STD	SCH 40	SCH 60	SCH 80s	SCH XS	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	SCH XXS
1/8	6	10.3		1.24				1.73	1.73	1.73		2.41	2.41	2.41					
1/4	8	13.7		1.65				2.24	2.24	2.24		3.02	3.02	3.02					
3/8	10	17.1		1.65				2.31	2,31	2.31		3.20	3.20	3.20					
1/2	15	21.3	1.65	2.11				2.77	2.77	2.77		3.73	3.73	3.73				4.78	7.47
3/4	20	26.7	1.65	2.11				2.87	2.87	2.87		3.91	3.91	3.91				5.56	7.82
1	25	33.4	1.65	2.77				3.38	3.38	3.38		4.55	4.55	4.55				6.35	9.09
1 1/4	32	42.2	1.65	2.77				3.56	3.56	3,56		4.85	4.85	4.85				6.35	9.70
1 1/2	40	48.3	1.65	2.77				3.68	3.68	3.68		5.08	5.08	5.08				7.14	10.15
2	50	60.3	1.65	2.77				3.91	3.91	3.91		5.54	5.54	5.54				8.74	11.07
2 1/2	65	73	2.11	3.05				5.16	5.16	5.16		7.01	7.01	7.01				9.53	14.02
3	80	88.9	2.11	3.05				5.49	5.49	5.49		7.62	7.62	7.62				11.13	15.24
3 1/2	90	101.6	2.11	3.05				5.74	5.74	5.74		8.08	8.08	8.08					
4	100	114.3	2.11	3.05				6.02	6.02	6.02		8.56	8.56	8.56		11.13		13.49	17.12
5	125	141.3	2.77	3.40				6.55	6.55	6.55		9.53	9,53	9.53		12.70		15.88	19.05
6	150	168.3	2.77	3.40				7.11	7.11	7.11		10.97	10.97	10.97		14.27		18.26	21.95
8	200	219.1	2.77	3.76		6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01	22.23
10	250	273.1	3.40	4.19		6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
12	300	323.9	3.96	4.57		6.35	8.38	9.53	9.53	10.31	14.27	12.70	12.70	17.48	21.44	25.40	28.58	33.32	25.40
14	350	355.6	3.96	4.78	6.35	7.92	9.53		9.53	11.13	15.09		12.70	19.05	23.83	27.79	31.75	35.71	
16	400	406.4	4.19	4.78	6.35	7.92	9.53		9.53	12.70	i6.66		12.70	21.44	26.19	30.96	36.53	40.49	
18	450	457.2	4.19	4.78	6.35	7.92	11.13		9.53	14.27	19.05		12.70	23.83	29.36	34.93	39.67	45.24	
20	500	508	4.78	5.54	6.35	9.53	12.70		9.53	15.09	20.62		12.70	26.19	32.54	38.10	44.45	50.01	
22		559	4.78	5.54	6.35	9.53	12.70		9.53		22.23		12.70	28.58	34.93	41.28	47.63	53.98	
24	600	610	5.54	6.35	6.35	9.53	14.27		9.53	17.48	24.61		12.70	30.96	38.89	46.02	52.37	59.54	
26		660			7.92	12.70			9.53				12.70						
28	700	711			7.92	12.70	15.88		9.53				12.70						
30		762	6.35	7.92	7.92	12.70	15.88		9.53				12.70						
32	800	813			7.92	12.70	15.88		9.53	17.48			12.70						
34		884			7.92	12.70	15.88		9.53	17.48			12.70						
36	900	914			7.92	12.70	15.88		9.53	19.05			12.70						
38		965							9.53				12.70						
40	1000	1016						9.53		12.70									
42		1067				12.70	15.88		9.53	19.05			12.70						
44	1100	1118							9.53				12.70						
46		1168							9.53				12.70						
48	1200	1219							9.53			12.70							
52		1321																	
56	1422																		
60	1524																		

Heavy Wall Thickness Mechanical Pipes

OD	THICKNESS							
	30	40	50	60	70	80	90	100
273	-	40	50	60	70	-	-	-
299	30	40	50	60	-	-	-	-
324	-	40	50	60	70	80	90	100
406	-	-	50	60	70	80	90	-
457	-	-	-	60	70	80	90	-
508	-	-	-	60	70	80	90	100
559	-	-	50	60	70	80	90	100
610	-	-	-	60	70	80	90	100

RTH SIZES	
FINISH SIZE	RM SIZE
ID X OO	ID X OD
39 X 52	40 X 50/52
50 X 60	49 X 60
50 X 75	49 X 75/76
63 X 75	62 X 75/76
63 X 83	62 X 83
80 X 92	79 X 92
50 X 95	79 X 95
80 X 100	79 X 100
100 X 115	99 X 125/130
100 X 120	99 X 120
100 X 125	99 X 125/130
101.5 X 120	100 X 121

RTH SIZES	
FINISH SIZE	RM SIZE
ID X OO	ID X OD
125 X 145	124 X 145
125 X 150	124 X 152
125 X 168	124 X 168
125 X 178	124 X 178
140 X 108	139 X 168
140 X 178	139 X 178
140 X 190	159 X 190
160 X 180	159 X 180/185
180 X 200	179 X 200
180 X 219	179 X 219
200 X 230	199 X 230
200 X 245	199 X 245
220 X 270	219 X 270