



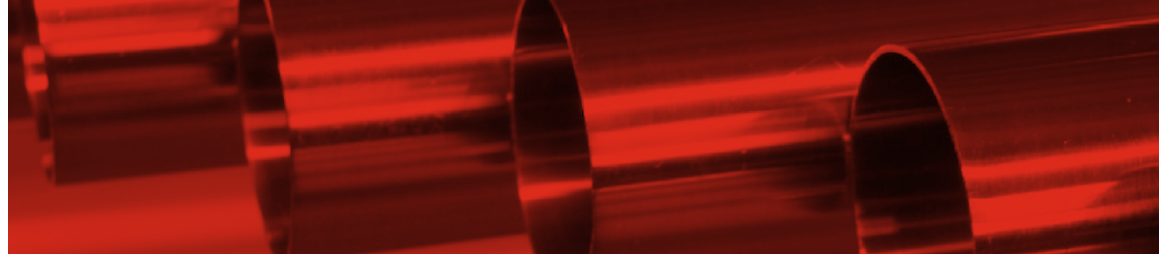
SURUBHI

TRADING CORPORATION



Authorised Distributor





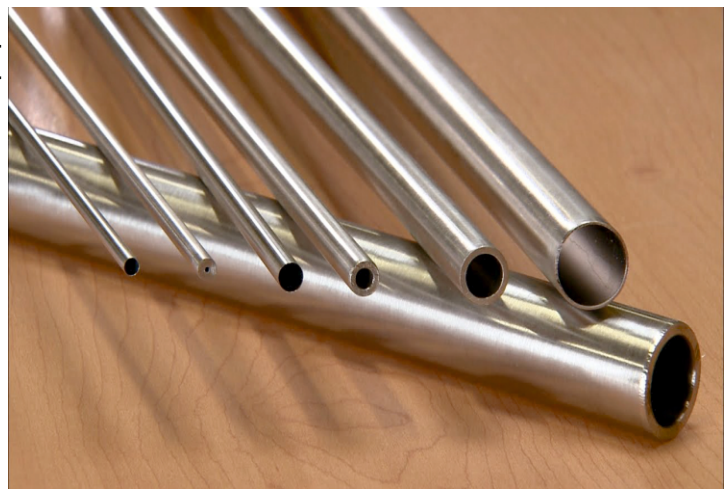
STEEL TUBES CONFORMING TO IS : 3183

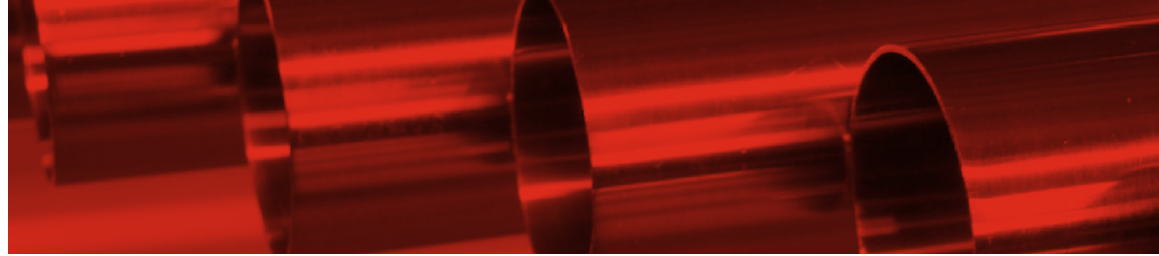
Steel Tubes for Line Pipes in oil & Petroleum Industries Conforming to IS : 3183

N.B. (mm)	OD (mm)	Wall Thickness (mm)	Plain End Wt. (kg/m)	STD Test Pressure		N.B. (mm)	OD (mm)	Wall Thickness (mm)	Plain End Wt. (kg/m)	STD Test Pressure	
				(Min)100 Grade 210	kpa Grade 240					(Min)100 Grade 210	kpa Grade 240
80	88.90	3.20	6.76	89	104	200	219.10	4.80	25.37	54	63
		3.60	7.57	-	117			5.60	29.48	63	74
		4.00	8.37	112	130			6.40	33.57	73	84
		4.40	9.17	123	143			7.00	36.61	79	92
		4.80	9.95	134	156						
		5.50	11.31	154	172						
90	101.60	3.60	8.70	88	102	250	273.10	4.80	31.76	44	51
		4.00	9.63	98	114			5.60	36.94	51	59
		4.40	10.55	108	125			6.40	42.09	58	68
		4.80	11.46	117	137			7.10	46.57	65	75
		5.70	13.48	139	162			7.80	51.03	71	83
		6.40	15.02	156	182			8.70	56.72	79	92
100	114.30	7.10	16.55	174	193	300	323.90	9.30	60.50	85	98
		3.60	9.83	78	91			4.80	37.77	37	43
		4.00	10.88	87	101			5.60	43.96	43	50
		4.80	12.96	104	121			6.40	50.11	49	57
		5.20	13.99	113	132			7.10	55.47	54	63
		5.60	15.01	122	142			7.90	61.56	61	71
125	141.30	5.20	13.99	113	132	350	355.60	8.40	65.35	64	75
		5.60	15.01	122	142			8.70	67.62	67	78
		6.00	16.02	130	152			9.50	73.65	73	85
		6.40	17.03	139	162			4.80	41.52	34	39
		7.10	18.77	154	180			5.20	44.93	36	42
		3.20	10.90	56	65			6.40	55.11	45	52
150	168.30	4.00	13.94	70	82	400	406.40	7.10	61.02	50	58
		4.80	16.16	84	98			7.90	67.74	55	64
		5.60	18.74	98	115			8.70	74.42	61	71
		6.60	21.92	116	135			9.50	81.08	66	77
		7.10	23.50	125	145			4.80	47.54	29	29
		3.60	14.62	53	62			5.20	51.45	32	32
		4.00	16.21	59	76			5.60	55.35	34	34
		4.80	19.35	71	81			6.40	63.13	39	39
		5.20	20.91	77	89			7.10	69.91	43	43
		5.60	22.47	83	96			7.90	77.63	48	48
		6.40	25.55	94	110			8.70	85.32	53	53
		7.10	28.22	105	122			9.50	92.98	58	58

TOLERANCES : AS PER API SL

TOLERANCES ON API PIPES			
1. (a)	THICKNESS	1. (b)	WEIGHT
	73.0 mm OD and above		10%
	+15%		-3.5%
	-12.5%		
1. (c)	OUTSIDE DIAMETER	1. (d)	LENGTH
	60.3% OD & Above		Pipes can be supplied in single
	± 0.75%		or double random lengths. That
			is from 4m to 13m. Conversion
2.	CARLOAD LOTS		100 kpa = 0.102 kg/mm ²
	(18, 1.44 kg min., lots)		
	-1.75%		





STEEL TUBES CONFORMING TO IS : 3589

Steel Tubes for Water, Gas & Sewerage Purposes Conforming to IS : 3589 (Grade ERW 330 and 410)

N.B. Size (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Weight (Plain End)	
			kg/m	m/tonne
150	168.3	4.00	16.2	62
		4.50	18.2	55
		4.80	19.4	52
		5.00	20.1	50
		5.40	21.7	46
		6.00	24.0	42
		7.00	27.8	36
175	193.7	4.00	18.7	53
		4.50	21.0	48
		4.80	22.6	44
		5.00	23.3	43
		5.40	25.1	40
		6.00	27.8	36
		7.00	32.2	31
200	219.1	4.00	21.2	47
		4.50	23.8	42
		4.85	25.6	39
		5.00	26.4	38
		5.40	28.5	35
		6.00	31.5	32
		7.00	36.6	27
250	273.1	8.00	41.6	24
		4.00	26.5	38
		4.50	29.8	34
		4.80	31.7	32
		5.00	33.0	30
		5.40	35.6	28
		6.00	39.5	25
300	323.9	7.00	45.9	22
		8.00	52.3	19
		9.20	59.9	17
		4.00	31.6	32
		4.50	35.4	28
		4.80	37.8	26
		5.00	39.3	25
350	355.6	5.40	42.4	24
		6.00	47.0	21
		7.00	54.7	18
		8.00	62.3	16
		9.20	71.4	14
		10.00	77.4	13
		5.00	43.2	23
400	406.4	5.40	46.6	21
		6.00	51.7	19
		7.00	60.2	17
		8.00	68.6	15
		9.20	78.6	13
		10.00	85.2	12
		6.00	59.2	16.8
		7.00	68.9	14.5
		8.00	78.59	12.7
		9.20	90.11	11.09
		10.00	97.75	10.2

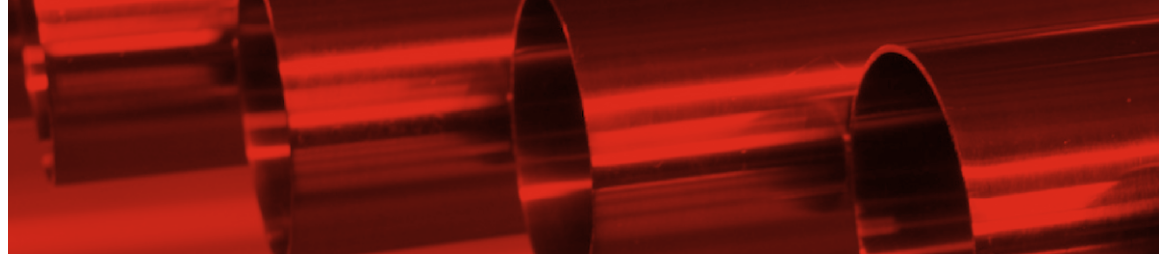


TOLERANCES ON IS : 3589

A. OUTSIDE DIAMETER : Pipe Body upto 500 NB $\pm 0.75\%$

B. THICKNESS $\pm 10\%$

C. LENGTH : Unless otherwise specified, lengths are in single random lengths of 4 to 7 metres or double random lengths of 7 to 13 metres.



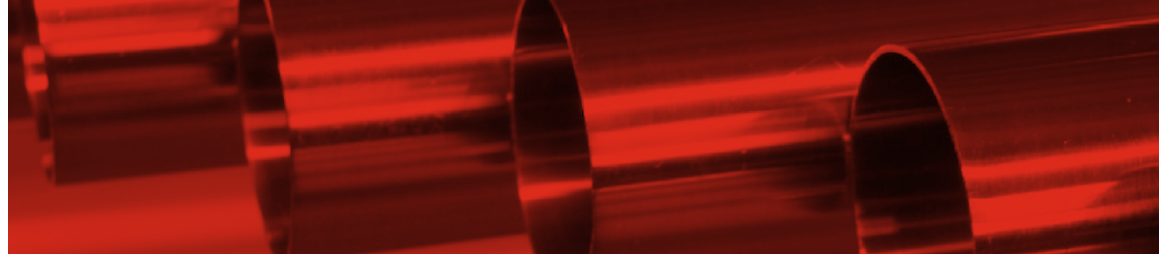
STEEL TUBES CONFORMING TO IS : 1239

Steel Tubes for uses in Water, Gas, Air and Steam Conforming to IS : 1239 (Part-1) 2004 / BS : 1387/85

Normal Bore & Series		Outside Diameter		Wall Thickness	Normal Mass of Steel Tube				Sockets	
					Plain End		Screwed & Socketed			
mm	Inch	Max mm	Min. mm		Kg/m	mtrs/tonne	Kg/m	mtrs/tonne	Min O.D. mm	Min Length mm
15 L	0.50	21.4	21.0	2.0	0.947	1056	0.956	1046	27.0	37.0
15 M	0.50	21.8	21.0	2.6	1.21	826	1.22	820	27.0	37.0
15 H	0.50	21.8	21.0	3.2	1.44	694	1.45	690	27.0	37.0
20 L	0.75	26.9	26.4	2.3	1.38	724	1.39	719	32.5	39.0
20 M	0.75	27.3	26.5	2.6	1.56	641	1.57	637	32.5	39.0
20 H	0.75	27.3	26.5	3.2	1.87	534	1.88	532	32.5	39.0
25 L	1.00	33.8	33.2	2.6	1.98	5.5	2.00	500	39.5	46.0
25 M	1.00	34.2	33.3	3.2	2.41	415	2.43	412	39.5	46.0
25 H	1.00	34.2	33.3	4.0	2.93	341	2.95	339	39.5	46.0
32 L	1.25	42.5	41.9	2.6	2.54	393	2.57	389	49.0	51.0
32 M	1.25	42.9	42.0	3.2	3.10	322	3.13	319	49.0	51.0
32 H	1.25	42.9	42.0	4.0	3.79	264	3.82	262	49.0	51.0
40 L	1.50	48.4	47.8	2.9	3.23	309	3.27	306	56.0	51.0
40 M	1.50	48.8	47.9	3.2	3.56	281	3.60	278	56.0	51.0
40 H	1.50	48.8	47.9	4.0	4.37	229	4.41	227	56.0	51.0
50 L	2.00	60.2	59.6	2.9	4.08	245	4.15	241	68.0	60.0
50 M	2.00	60.8	59.7	3.6	5.03	199	5.10	196	68.0	60.0
50 H	2.00	60.8	59.7	4.5	6.19	161	6.26	160	68.0	60.0
65 L	2.50	76.0	75.2	3.2	5.71	175	5.83	172	84.0	69.0
65 M	2.50	76.6	75.3	3.6	6.42	155	6.54	153	84.0	69.0
65 H	2.50	76.6	75.3	4.5	7.93	126	8.05	124	84.0	69.0
80 L	3.00	88.7	87.9	3.2	6.72	149	6.89	145	98.0	75.0
80 M	3.00	89.5	88.0	4.0	8.36	119	8.53	117	98.0	75.0
80 H	3.00	89.5	88.0	4.8	9.90	101	10.10	96	98.0	75.0
100 L	4.00	113.9	113.0	3.6	9.75	102	10.00	100	124.0	87.0
100 M	4.00	115.0	113.1	4.5	12.20	82	12.50	80	124.0	87.0
100 H	4.00	115.0	113.1	5.4	14.50	69	14.80	68	124.0	87.0
125 M	5.00	140.8	138.5	4.8	15.90	63	16.40	61	151.0	96.0
125 H	5.00	140.8	138.5	5.4	17.90	56	18.40	54	151.0	96.0
150 M	6.00	166.5	163.9	4.8	18.90	53	19.50	51	178.0	96.0
150 H	6.00	166.5	163.9	5.4	21.30	47	21.90	46	178.0	96.0

Tolerance on Thickness and Mass

Class	Thickness	Weight Single Tube	Per Load of 10 Tonne Min	Length Unless otherwise specified
Light	+ Not Limited - 8%	+ 10% - 8%	± 5%	4 to 7 Mtrs.
Medium & Heavy	-10 %	+ Not Limited ± 10%	± 7.5%	



STEEL TUBES FOR WATER WELLS CONFORMING TO IS : 4270/2011

ERW Steel Tubes for Water wells conforming to IS : 4270/2011 Equivalent to BS : 879 Plain Casing Pipes

N.B. of Pipe MM	Outside Diameter	Wall Thickness	Nominal Weight	
			kg/m	M/Tonne
100	114.3	5.0	13.48	74
125	141.3	5.0	16.80	59
150	168.3	5.0	20.13	50
175	193.7	5.4	25.10	40
200	219.1	5.4	28.46	35
250	273.1	7.1	46.57	21
300	323.9	7.1	55.47	18
350	355.6	8.0	68.57	14

Tolerances

- Outside Diameter $\pm 1.0\%$
- Thickness $+15\%$
Upto 406.4 mm OD -12.5%
- Weight $+10\%$
Single Tube -8%
- Length
Unless otherwise specified 4 to 7 mtrs

Steel Tubes for Water Wells (Casing Pipes) Conforming to IS : 4270/2001

N.B. of Pipe MM	Wall Thickness	Nominal Weight		Socket OD	Socket Length (Min)
		kg/m	M/Tonne		
100	5.4	14.5	69	130.00	114.3
125	5.4	18.1	55	157.00	120.6
	7.1	23.5	42.5		
150	5.4	21.6	46	184.00	127
	7.1	28.2	35.5		
175	6.4	29.6	34	211.60	152.4
	8.0	36.6	27		
200	6.4	33.6	30	237.00	152.4
	8.0	41.6	24		
250	8.0	52.3	19	291.00	177.8
	10.0	64.9	15		
300	8.0	62.3	16	346.00	177.8
	10.0	77.4	13		

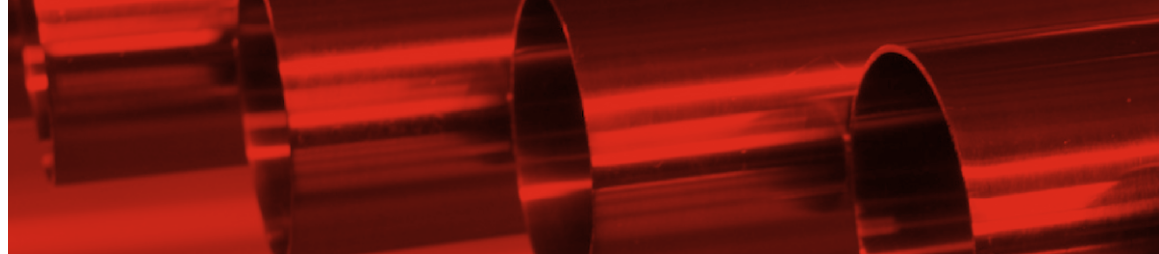
Physical Properties

Grade	Y-S (Min) MPa (N/mm ²)	T.S. (Min) MPa (N/mm ²)	%age elongation on 5.65/So=GI.
Fe410	235	410	15%
Fe450	275	450	13%

There are preferred included OD and Thickness other sizes not include may be supplied as specified by purchaser

Also Available : Internal Bead Free & Screwed & Socketed Pipes





Technical Data Sheet-Pipe to API 5L 45th Edition / IS / ISO:3183 - 2007

Out Side Diameter Tolerance	Body	Specified OD	$\pm 0.0075D(0.75\%)$
	End	From 88.9 mm OD to 168.3 mm OD From 219.1 mm OD mm to 323.9 mm OD	Specified OD + 1.60mm, -0.40 mm Specified OD $\pm 0.005 (\pm 0.5\%)$
Thickness Tolerances	For thickness ≤ 5.00 mm		± 0.5 mm
	For thickness > 5.00 mm to 15 mm		$\pm 10\%$
Weight Tolerances	Special PE pipes (Single Tube)		+10% - 5%
	For other pipes (Single Tube)		+10% - 3.5%
	Lot of 20 Ton		-1.75%

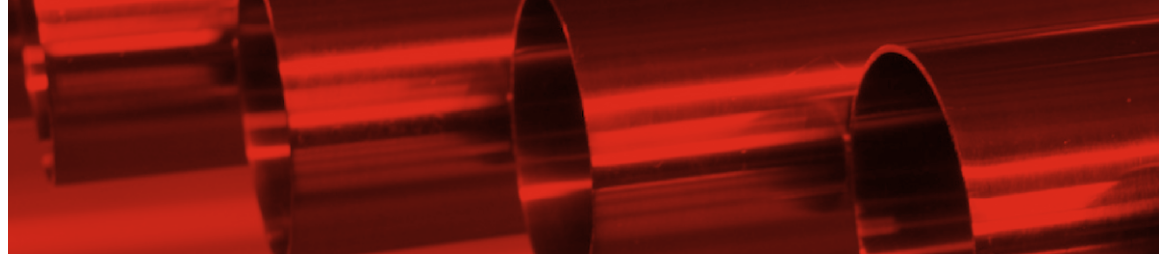
Physical Properties

	PSL-1		PSL-2				Minimum % of Elongation (For PSL-1 & PSL-2)
	Yield Stress	Tensile Strength	Yield Stress		Tensile Strength		
	(Mpa)	(Mpa)	(Mpa)		(Mpa)		
	Min	Max	Min	Max	Min	Max	
L210/A	210	335					As per Table 6(c) & 7 (f) of APL 5L
L245/B	245	415	245	450	415	655	
L290/X42	290	415	290	495	415	655	
L320/X46	320	435	320	525	435	655	
L360/X52	360	460	360	530	460	760	
L390/X56	390	490	390	545	490	760	
L390/X60	415	520	415	565	520	760	
L450/X65	450	535	450	600	535	760	
L485/X70	485	570	485	635	570	760	

Chemical Properties

Grade	Specified Requirements (%)													
	PSL-1					PSL-2								
	C	Mn	P	S	Others	C	Mn	P	S	Si	V	Nb	Ti	Others
L210/A	0.22	0.90	0.03	0.03										
L245/B	0.26	1.20	0.03	0.03		0.22	1.20	0.025	0.015	0.45				
L290/X42	0.26	1.30	0.03	0.03		0.22	1.30	0.025	0.015	0.45				
L320/X46	0.26	1.40	0.03	0.03	Nb+V<0.06%	0.22	1.30	0.025	0.015	0.45				
L360/X52	0.26	1.40	0.03	0.03	Nb+V+Ti<0.155	0.22	1.40	0.025	0.015	0.45				
L390/X56	0.26	1.40	0.03	0.03		0.22	1.40	0.025	0.015	0.45				
L390/X60	0.26	1.40	0.03	0.03		0.12	1.60	0.025	0.015	0.45				
L450/X65	0.26	1.45	0.03	0.03		0.12	1.60	0.025	0.015	0.45				
L485/X70	0.26	1.65	0.03	0.03		0.12	1.70	0.025	0.015	0.45				





Technical Data Sheet - Pipe to API 5L 45th Edition / IS / ISO:3183-2007

Size (OD) (mm)	Thk (mm)	Hydro Testing Test Pressure (In kgs)										Size (OD) (mm)	Thk (mm)	Hydro Testing Test Pressure (In kgs)									
		Grades												Grades									
		A	B	X42	X46	X52	X56	X60	X65	X70	A			B	X42	X46	X52	X56	X60	X65	X70		
88.9	4.00	115.7	134.9	159.7	176.2	198.3	214.8	228.6	247.8	267.1	168.3	7.90	120.7	140.8	208.3	229.8	258.5	280.1	298.0	323.2	348.3		
88.9	4.40	127.2	148.4	175.7	193.9	218.1	236.3	251.4	272.6	293.8	168.3	8.70	132.9	155.0	229.4	253.1	284.7	308.5	328.2	335.9	383.6		
88.9	4.80	138.8	161.9	191.7	211.5	237.9	257.7	274.3	297.4	320.5	168.3	9.50	145.1	169.3	250.5	276.4	310.9	336.8	358.4	388.6	418.9		
88.9	5.50	159.0	185.5	219.6	242.3	272.6	295.3	314.3	340.8	367.3	219.1	4.00	46.9	54.7	81.0	89.4	100.6	108.9	115.9	125.7	135.5		
88.9	6.40	185.0	215.9	255.5	282.0	317.2	343.7	356.7	396.5	427.4	219.1	4.80	56.3	65.7	97.2	107.3	120.7	130.7	139.1	150.8	162.6		
88.9	7.10	205.3	239.5	283.5	312.8	351.9	381.2	405.7	439.9	474.1	219.1	5.20	61.0	71.2	105.3	116.2	130.7	141.6	150.7	163.4	176.1		
88.9	7.60	219.7	256.4	303.5	334.8	376.7	408.1	434.3	470.9	507.5	219.1	5.60	65.7	76.6	113.4	125.1	140.8	152.5	162.3	176.0	189.7		
114.3	4.00	90.8	104.9	124.2	137.1	154.2	167.1	177.8	192.8	207.7	219.1	6.40	75.1	87.6	129.6	143.0	160.9	174.3	185.5	201.1	216.8		
114.3	4.40	98.9	115.4	136.6	150.8	169.6	183.8	195.5	212.0	228.5	219.1	7.00	82.1	95.8	141.8	156.4	176.0	190.6	202.9	220.0	237.1		
114.3	4.80	107.9	125.9	149.1	164.5	185.0	200.5	213.3	231.3	249.3	219.1	7.90	92.7	108.1	160.0	176.5	198.6	215.1	228.9	248.2	267.6		
114.3	5.20	116.9	136.4	161.5	178.2	200.5	217.2	231.1	250.6	270.1	219.1	8.20	96.2	112.2	166.1	183.2	206.1	223.3	237.6	257.7	227.7		
114.3	5.60	125.9	146.9	173.9	191.9	215.9	233.9	248.9	269.9	290.9	219.1	8.70	102.1	119.1	176.2	194.4	218.7	236.9	252.1	273.4	294.7		
114.3	6.00	134.9	157.4	186.3	205.6	231.3	250.6	266.6	289.1	311.6	219.1	9.50	111.5	130.0	192.4	212.3	238.8	258.7	275.3	298.5	321.7		
114.3	6.40	143.9	167.9	198.8	219.3	246.7	267.3	284.4	308.4	332.4	273.1	4.00	37.6	43.9	73.7	81.3	91.4	99.0	105.4	114.3	123.2		
114.3	7.10	159.7	186.3	220.5	243.3	273.7	296.5	315.5	342.1	368.8	273.1	4.80	45.2	52.7	88.4	97.5	109.7	118.9	126.5	137.1	147.8		
114.3	7.90	177.7	207.3	245.3	270.7	304.6	329.9	351.9	380.7	410.3	273.1	5.20	48.9	57.1	95.7	105.7	118.9	128.8	137.0	148.6	160.1		
114.3	8.60	193.4	225.6	267.1	294.7	331.5	359.2	382.2	414.4	446.7	273.1	5.60	52.7	61.5	103.1	113.8	128.0	138.7	147.6	160.0	172.4		
141.3	4.00	72.8	84.9	100.5	110.9	124.7	135.1	143.8	155.9	168.1	273.1	6.40	60.2	70.3	117.8	130.0	146.3	158.5	168.6	182.9	197.1		
141.3	4.80	87.3	101.9	120.6	133.1	149.7	162.2	172.6	187.1	201.7	273.1	7.10	66.8	78.0	130.7	144.3	162.3	175.8	187.1	202.9	218.6		
141.3	5.60	101.9	118.8	140.7	155.2	174.6	189.2	201.3	218.3	235.3	273.1	7.80	73.4	85.6	143.6	158.5	178.3	193.3	205.5	222.9	240.2		
141.3	6.60	120.1	140.1	165.8	183.8	205.8	223.0	237.3	257.3	277.3	273.1	8.70	81.9	95.5	160.2	176.8	198.9	215.4	229.2	248.6	267.9		
141.3	7.10	129.2	150.7	178.4	196.8	221.4	239.9	255.2	276.8	298.3	273.1	9.30	87.5	102.1	171.2	189.0	212.6	230.3	245.1	265.7	286.4		
141.3	7.90	143.7	167.7	198.5	219.0	246.4	266.9	284.0	307.9	331.9	323.9	4.40	34.9	40.7	68.3	75.5	84.8	91.9	97.8	106.0	114.2		
141.3	8.70	158.3	184.6	218.6	241.2	271.3	293.9	312.8	339.1	365.5	323.9	4.80	38.1	44.4	74.5	82.2	92.5	100.2	106.	115.6	124.6		
141.3	9.50	172.8	201.6	238.6	263.3	296.3	320.9	341.5	370.3	399.1	323.9	5.20	41.3	48.1	80.7	89.1	100.2	108.6	115.5	125.3	135.0		
168.3	4.00	61.1	71.3	105.5	116.4	130.9	141.8	150.9	163.6	176.4	323.9	5.60	44.4	51.8	86.9	95.9	107.9	116.9	124.4	134.9	145.4		
168.3	4.40	67.2	78.4	116.0	128.0	144.0	156.0	166.0	180.0	194.0	323.9	6.40	50.8	59.3	99.4	109.6	123.3	133.6	142.2	154.2	166.2		
168.3	4.80	73.3	85.5	126.5	139.6	157.1	170.2	181.1	196.4	211.6	323.9	7.10	56.3	65.7	110.2	121.6	136.8	148.8	157.7	171.0	184.3		
168.3	5.20	79.4	92.7	137.1	151.3	170.2	184.4	196.2	212.7	229.3	323.9	7.90	62.7	73.1	122.6	135.3	152.3	164.9	175.5	190.3	205.1		
168.3	5.60	85.5	99.8	147.6	162.9	183.3	198.5	211.3	229.1	246.9	323.9	8.40	66.7	77.8	130.4	143.9	161.9	175.4	186.6	202.4	218.1		
168.3	6.40	97.7	114.0	168.7	186.2	209.5	226.9	241.5	261.8	282.2	323.9	8.70	69.0	80.5	135.1	149.0	167.7	181.6	193.3	209.6	225.9		
168.3	7.10	108.4	126.5	187.2	206.5	232.4	251.7	267.9	290.5	313.0	323.9	9.50	75.4	88.0	147.5	162.7	183.1	198.3	211.1	228.9	246.7		





#2, IInd Floor, Sector 28-A, Chandigarh-160002
Cell : 094179-01300, 094180-01300
Phone : 0172-2639300, 09463104100
Email : stc.chd@gmail.com