

Steel Tubing & Black Pipe

INTERNATIONAL INDUSTRIES LTD
PASSED

SIZE 20 1/2 x 9 x 600
NO. OF TUBES 150 368
LINES 64 Q. REF. K
DATE 18-2-04
14



**INTERNATIONAL
INDUSTRIES LTD.**

Product Features

Product Features

Field of Application & Uses
Construction, light and heavy machinery, automotive, bicycle and motorcycle, furniture, transformers, mechanical and engineering, scaffolding, non-hazardous gas transmission, fans, tents and poles

Production Standards

BS 1387 (1985)
BS 6323 Part 1 & 5 (1982)
BS 1717 (1983)
ASTM A53 (2002)
Other standards upon request

Finishing Operations

Standard: Non-deburred end
Square cut / Threaded De-Burred & Exact cut to length can be provided upon request

Delivery Conditions

Cold rolled formed Steel Tubing (round, rectangular, square, elliptical)
Hot rolled self colour black pipe with or without varnish

Tests Performed

Mechanical tests: Tensile, Flattening, Drift Expansion test

Mill Test Certificates

Issued upon request

Marking

Metal tags on bundles

Surface Protection

Steel Tubing: Anti-rust oil, (transparent) on external surface only
Black Pipe: Self colour / mill protective coating (oil, varnish) on external surface

Length

Standard length offered is 6100mm cut with CNC cutter. Other lengths available upon request

Packaging

Pipes delivered in bundles of hexagon or square shape, fastened with sufficient number of steel straps and identified by paper or metal tags at ends Special packaging upon request

Quality Control & Assurance

The entire company operation is certified under the Quality Management System ISO 9001: 2000, Environmental Management System ISO 14001: 1996 & API Q1 (2003)

Precision Steel Tubing Product Range

Conforming to BS 6323 part 1&5: (1982), BS 1717:(1983) Dimensions (Kg per Meter)

Size (mm)	0.60	0.70	0.90	1.00	1.20	1.60
12.70	0.179	0.207	0.262			
15.90	0.226	0.262	0.333	0.367	0.435	0.564
17.50					0.482	0.627
19.05	0.273	0.317	0.403	0.445	0.528	0.689
22.20		0.371	0.473		0.621	0.813
23.80						0.876
25.40	0.367	0.426	0.544		0.716	0.939
28.60				0.681	0.811	1.065
31.80			0.686		0.906	1.192
38.10			0.826		1.092	1.44
42.20					1.213	1.602
48.10					1.388	1.835

Rectangular & Elliptical Pipe

Conforming to BS 6323 Part 1&5: (1982)

Dimension (Kg per metre)

Size (mm)	Dimension (Max)	Dimension (Min)	Mass of Tube 0.90	Mass of Tube 1.20	Mass of Tube 1.60
10x20 (Rectangle)	10.05 * 20.05	09.88 * 19.88	0.403		
12x38 (Rectangle)	12.04 * 38.04	11.88 * 37.88	0.686	0.906	1.192
20x40 (Rectangle)	20.05 * 40.05	19.88 * 39.88	0.825		
25x50 (Rectangle)	25.05 * 50.05	24.88 * 49.88		1.388	1.835
19x42 (Elliptical)	19.05 * 42.25	18.88 * 42.08	0.686	0.906	
24x56 (Elliptical)	24.05 * 56.05	23.88 * 55.88		1.213	

Manufacturing Process

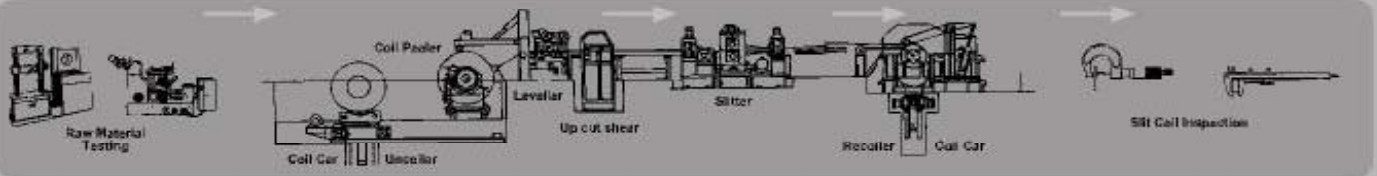
Steel Tubing

IIL Steel Tube is the trademark for precision steel tubing manufactured by International Industries Limited.

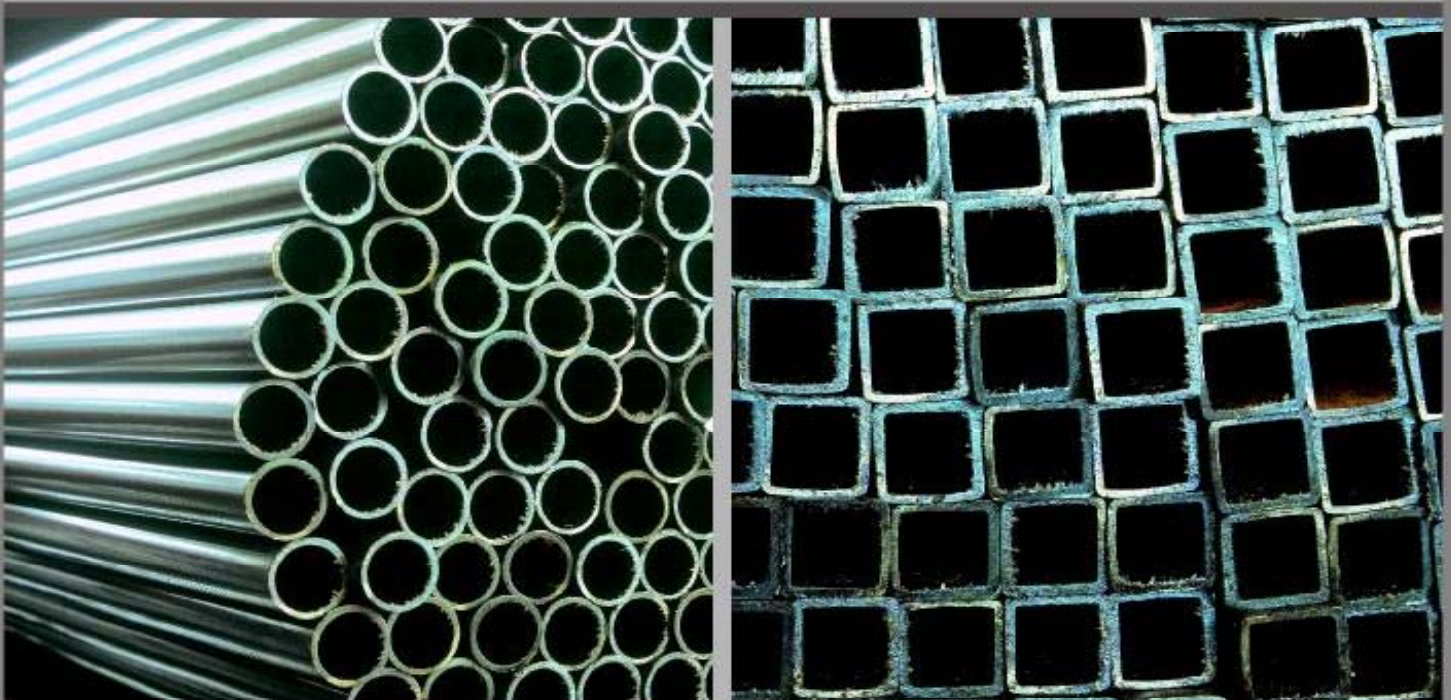
Precision tubing is suitable for applications where the tube is required to have weldability, drawability, strength, dimensional accuracy and good surface quality.

The Steel tubes are supplied with external surface protection (lightly oiled), but can also be supplied dry if so required. The dimensional tolerances to which IIL manufactures steel tubes are more stringent than international standards.

Slitter



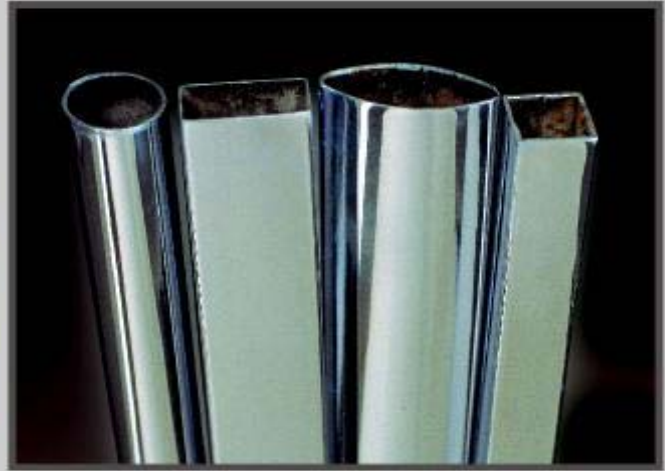
Pipe Mill



Accreditations



High Frequency Induction Welding



Tube Profile Shapes





**INTERNATIONAL
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