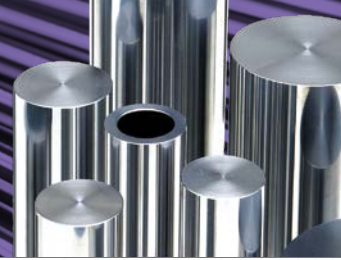


THALACHROME STU

HARD CHROMIUM PLATED TUBES

Diameters on request



STEEL GRADES

E355+SR | E410+N

CHEMICAL ANALYSIS

Steel grade	C (%)	Si (%)	Mn (%)	S (%)	P (%)	Al (%)	V (%)
E355+SR	0.22 maxi	0.55 maxi	1.60 maxi	0.040 maxi	0.025 maxi	0.20 maxi	-
E410+N	0.16-0.22	0.10-0.50	1.30-1.70	0.040 maxi	0.030 maxi	0.010-0.060	0.06-0.17

MECHANICAL PROPERTIES

Steel grade	Yield point (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)	Impact test -20°C
E355+SR	420 N/mm ² mini	580-850 N/mm ²	10%	-
E410+N	450 N/mm ² mini	550-700 N/mm ²	15%	27 joules

TOLERANCE

Ø 20 - 100 mm : ISO f7

CHROME THICKNESS

Thalachrome STU : 20 µm mini
Thalachrome STU120 : 25 µm mini
Thalachrome STU250 : 30 µm mini

SURFACE ROUGHNESS

Thalachrome STU et STU120 :

Ra : 0.07 - 0.20 µm
Ry : 2.5 µm maxi

Thalachrome STU250 :

Ra : 0.15 µm maxi
Rt : 1.5 µm maxi

STRAIGHTNESS

0.2 mm/m maxi

CHROMIUM PLATING

900 HV_{0.1} mini

CORROSION RESISTANCE

Hard Chromium Plated Tubes	Rating 10 (no point of rust)	Rating 9 (less than 0.1 % of the surface corroded)
Thalachrome STU	120h mini NSS rating 10	312h00 mini NSS rating 9
Thalachrome STU120	168h mini NSS rating 10	504h00 mini NSS rating 9
Thalachrome STU250	312h mini NSS rating 10	744h00 mini NSS rating 9