



# Cold Drawn Welded Chrome Plated Steel Tubes

OUTSIDE DIAMETER 12 - 120 mm , INSIDE DIAMETER 8 - 100 mm

## STEEL GRADES

Steel Grade	DIN	B.S	UNI	JIS	GOST	ASI/SAE/ASTM	Werkstoff
E355	1,058	ST52	CFS5	Fe510	1524/1024	1045	1,1191

## CHEMICAL COMPOSITION - IN % BY WEIGHT

Steel Grade	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	V	N
E355	Max. 0.22	Max. 0.55	Max. 1.60	0,025	0,025	-	-	-	-	-	-

## MECHANICAL PROPERTIES

Steel Grade	Tensile Strength N/mm <sup>2</sup>	Yield Strength N/mm <sup>2</sup>	Elongation A%	Hardness Brinell N/mm <sup>2</sup>	Norm	Tristar Steel Product Code
E355+SR	Min. 620	Min. 520	Min. 15	Min. 175	EN 10305-2	STAR - CTW

### STRAIGHTNESS

Max. 0.30 mm/1000 mm

### ROUNDNESS

Max. ½ from Dia. Tolerance

### CHROME LAYER THICKNESS

Ø < 20 mm: min. 15 µm  
Ø ≥ 20 mm: min. 20 µm

### STANDARD LENGTH

5800 - 7500 mm  
(Available on request)

### SURFACE ROUGHNESS

Ra: max. 0.15 µm

### CHROME LAYER MICROHARDNESS

900 HV0.1

### ECCENTRICITY

±3%

### CORROSION RESISTANCE

Neutral salt spray test according to ISO 9227 -  
Evaluation according to ISO 10289 :

### RATING 10 (NO RUST)

OD < 20 mm: 144 hours min.  
OD ≥ 20mm: 200 hours min.

### OD TOLERANCE

f7, other on request

