

Welded tubes

Our welded tubes are characterized by high concentricity and good measurement accuracy.

WELDED COLD FORMED CONSTRUCTION TUBE

Welded, cold formed circular construction tube manufactured in accordance with EN 10219-1 in quality S235JRH especially suitable for hot dip galvanizing.

PRODUCT INFORMATION

ARTICLE NO.	OD	WALL	KG/M	LENGTH
10322	26.90	2.60	1.56	6000
10339	33.70	2.60	1.99	6000
10340	33.70	3.20	2.41	6000
10341	33.70	4.00	2.93	6000
10391	42.40	2.60	2.55	6000
10392	42.40	3.20	3.09	6000
10405	48.30	2.60	2.93	6000
10408	48.30	3.20	3.56	6000
10562	60.30	2.90	4.11	6000
10563	60.30	3.60	5.03	6000
10568	63.50	2.90	4.33	6000
10569	70.00	2.90	4.80	6000
10586	70.00	4.00	6.51	6000
10608	76.10	2.90	5.24	6000
10610	76.10	3.60	6.44	6000
10613	76.10	4.00	7.11	6000
10663	82.50	3.20	6.26	6000

ARTICLE NO.	OD	WALL	KG/M	LENGTH
10665	88.90	3.20	6.76	6000
10812	101.60	3.60	8.70	6000
10825	114.30	3.60	9.83	6000
247577	121.00	4.00	11.50	6000
212957	127.00	4.00	12.10	6000
100470	133.00	4.00	12.70	6000
247910	139.70	4.00	13.40	6000
247908	152.40	4.50	16.40	6000
247909	159.00	4.50	17.10	6000
10994	168.30	4.50	18.20	6000
247921	177.80	5.00	21.30	6000
247907	177.80	8.00	33.50	6000
11011	193.70	4.00	18.70	6000
11017	193.70	5.60	26.00	6000
11042	219.10	6.30	33.10	6000
11051	244.50	6.30	37.00	12000
11073	273.00	6.30	41.40	12000

CHEMICAL PROPERTIES

Norm SS EN 10219-1, steelgrade S235JRH. The table below applies to material with wall thickness ≤ 40 mm. Chemical composition in percentage weight max (Al=min).

STEEL GRADE	C%	Si%	Mn%	P%	S%	N%
S235JRH	0.17	0.04	1.4	0.045	0.045	0.009

The tube is suitable for hot dip galvanizing

MECHANICAL CHARACTERISTICS

The table below is for information only. For a complete presentation, refer to the standard.

STEEL GRADE	YIELD STRENGTH MPa WALL (MM)		TENSILE STRENGTH MPa WALL (MM)		EXTENSION	IMPACT STRENGTH (J)	
	≤ 16	> 16 ≤ 40	< 3	≥ 3 ≤ 40	≤ 40	TEST TEMP.	ENERGY
S235JRH	235	225	360 - 510	340 - 470	24	20	27

MEASUREMENT DEVIATIONS

Tolerance for external diameter (D) and wall thickness (T).

CHARACTERISTICS	CIRCULAR CONSTRUCTION TUBE (D)
Outer dimension (D)	± 1% with min ± 0,5 mm and max ± 10 mm
Wall thickness (T)	For D ≤ 406.4 T ≤ 5 mm ± 10 % T > 5 mm ± 0.5 mm For D > 406.4 mm 10% but no more than +/- 2 mm
Roundness (O)	2% for construction tubes with diameter in relation to thickness, not exceeding 100*
Straightness	0.2% of whole length and 3mm over 1m length
Weight	+ 6 % on individual lengths

*When the diameter in relation to the thickness exceeds 199, the tolerance for deviation from roundness must be agreed upon.