



QUALITY CERTIFICATE

DELIVERY NOTE / CERTIFICATE N°

503292

INSPECTION CERTIFICATE AS PER THE NORM EN 10204

2.2

PRODUCT LENGTHWISE WELDED STEEL TUBE	DATE 07/08/20	CUSTOMER OY KONTINO AB HAKINTIE 6 01301 FI-01301 VANTAA - FINLAND	Drift expanding test in accordance with ISO 8493 Flattening test in accordance with ISO 8492 Eddy current testing in accordance with ISO 10893 - 2
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Nr.	ORDER REFERENCE	DIMENSION	NORM QUALITY	CUSTOMER REF. OTHER NORMS	MANUFACTURING ORDER CAST	CHEMICAL COMPOSITION										MECHANICAL TESTS			
						% X 100					% X 1000					Mpa		%	
C	Mn	Si	P	S	Al	Nb	V	Ti	Re	Rm	A	HRB							
1	648642 1114224	15,00x 15 / 1,50EN 10305-5 L. 6000,0	E220		P011114 1148308	max. 14 7	max. 70 27	max. 350 9	max. 25 10	max. 25 12	min. 15 42	1	1	3	min. 220 323	min. 310 390	min. 25 26		
2	648642 1114224	38,00 / 1,50 L. 6000,0	EN 10305-3 S3 E220		P020581 0341C34	max. 14 2	max. 70 16	max. 350 10	max. 25 15	max. 25 3	min. 15 35	0	0	0	min. 220 278	min. 310 363	min. 23 42		
3	648642 1114224	40,00x 40 / 2,00EN 10305-5 L. 6000,0	E220		P020768 035H507	max. 14 5	max. 70 25	max. 350 10	max. 25 14	max. 25 5	min. 15 27	0	0	0	min. 220 298	min. 310 387	min. 23 34		
4	648642 1114224	45,00x 45 / 2,00EN 10305-5 L. 6000,0	E220		P011071 026PC87	max. 14 6	max. 70 29	max. 350 0	max. 25 17	max. 25 5	min. 15 28	0	1	1	min. 220 293	min. 310 391	min. 23 38		
5	648642 1114224	50,00x 50 / 2,00EN 10305-5 L. 6000,0	E220		P030197 062R2610	max. 14 9	max. 70 64	max. 350 0	max. 25 17	max. 25 6	min. 15 36	0	0	0	min. 220 335	min. 310 458	min. 23 35		
6	648642 1114224	60,00x 60 / 2,00EN 10305-5 L. 6000,0	E220		P030089 042R3700	max. 14 9	max. 70 64	max. 350 0	max. 25 20	max. 25 6	min. 15 28	0	0	0	min. 220 325	min. 310 457	min. 23 34		
7	648642 1114224	22,00 / 2,00 L. 6000,0	EN 10305-3 E220		P020699 064RV82	max. 14 2	max. 70 15	max. 350 0	max. 25 16	max. 25 3	min. 15 37	0	0	0	min. 220 259	min. 310 350	min. 23 41		
8	648642 1114224	32,00 / 2,00 L. 6000,0	EN 10305-3 E220		P010053 0438841	max. 14 7	max. 70 28	max. 350 8	max. 25 15	max. 25 19	min. 15 49	1	2	1	min. 220 346	min. 310 407	min. 23 25		
9	648642 1114224	50,80 / 2,00 L. 6100,0	EN 10305-3 E220		P010831 0448028	max. 14 7	max. 70 28	max. 350 19	max. 25 16	max. 25 8	min. 15 45	1	4	4	min. 220 318	min. 310 412	min. 23 28		
10	648642 1114224	30,00x 20 / 2,00EN 10305-5 L. 6000,0	E220		P010929 0138760	max. 14 6	max. 70 27	max. 350 10	max. 25 12	max. 25 12	min. 15 42	1	1	3	min. 220 309	min. 310 412	min. 23 36		
11	648642 1114224	50,00x 30 / 1,50EN 10305-5 L. 6000,0	E220		P020480 035GZ60	max. 14 5	max. 70 27	max. 350 0	max. 25 15	max. 25 5	min. 15 39	0	0	0	min. 220 336	min. 310 405	min. 23 34		
12	648642 1114224	50,00x 30 / 2,00EN 10305-5 L. 6000,0	E220		P020266 02100159	max. 14 14	max. 70 48	max. 350 24	max. 25 16	max. 25 9	min. 15 40	2	4	2	min. 220 441	min. 310 499	min. 23 29		

COMMENTS

ABOVE MATERIAL IS IN ACCORDANCE WITH THE SPECIFICATION OF THE PURCHASE ORDER.

QUALITY DEPARTMENT