

EN 10204-3.1

Date

05.12.2017

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Buyer
ESKO LEPPINEN OY 8108200Consignee
ESKO LE 121497 8108200TERÄSTIE 2
61400 YLISTARO FINLANDTERÄSTI
61400 YL

Confirmation of Order

367580

Your Order

8/17

Kontino Oy Ab

Your Reference

Consignment

367580-004 05.12.2017

MARKING

Mark of the Manufacturer

Inspector's Stamp

Steel Grade

Cast No.

Pipe No.

Other Stamps

SSAB



S355J2H

CE

Product

COLD-FORMED WELDED STRUCTURAL HOLLOW SECTIONS

Steel Grade

SSAB DOMEX TUBE S355J2H

NON-ALLOY STRUCTURAL STEEL EN 10219-1

Technical Terms of Delivery

EN 10219-1,2:2006 CFRHS

Inspection

SPECIFICATION

Cast No.	Test No.	Bundle No.	Pcs	m	kg	Bundle Pcs
Item 32	100 X 40	4.00 X 12000				
73207	4J24570	50512053				
ITEM IN TOTAL			24	288	2295	1
Item 33	100 X 50	6.00 X 12000				
78020	4J24840	50512474 50512478				
78028	4J24840	50512473-50512474				
ITEM IN TOTAL			72	864	10626	3
Item 35	100 X 80	5.00 X 12000				
78950	4J25970	50514092 50514097				
78952	4J25970	50514092				
ITEM IN TOTAL			29	348	4454	2
Item 42	120 X 60	6.30 X 12000				
69762	4J14910	50500137				

We hereby certify that the products described above have been tested and comply with the terms of the Order contract.

SSAB Europe Oy

Lappohja Works
Quality Control
Jennifer Gamhalswww.ssab.com
SSAB Europe Oy

Postal Address

Satamatie 56
FIN-10820 LAPPOHJA

Telephone

+ 358 020 59 11

Telefax

+ 358 020 59 27256

Company name

Harvialantie 420

Registered Office

Business ID

SPECIFICATION

Cast No.	Test Number	Bundle No.	Pcs	m	kg	Bundle Pcs
70038	4J14910	50500137 50500139				
ITEM IN TOTAL			27	324	5022	2
Item 49	140 X 70	4.00 X 12000				
73879	4J23350	50510835				
ITEM IN TOTAL			7	84	1042	1
Item 55	160 X 80	3.00 X 12200				
79997	4J27670	50515908-50515909				
ITEM IN TOTAL			30	366	3952	2
Item 59	90 X 50	4.00 X 12000				
94455	4J24600	50512070-50512071				
ITEM IN TOTAL			29	348	2773	2
ITEMS IN TOTAL			218	2622	30164	13

We hereby certify that the products described above have been tested and comply with the terms of the Order contract.

SSAB Europe Oy

Lappohja Works
Quality Control

Jennifer Gamnals

Jennifer Gamnals

DECLARATION OF PERFORMANCE

ref. S355J2H_20150812

Product type:

Cold formed welded structural hollow section: EN 10219-1:2006 S355J2H

Intended use:

Structural hollow sections to be used in structural steel components and kits and steel components of composite steel and concrete structures and other steel structures.

Company:

SSAB

SSAB Europe Oy
Harvialantie 420,
FI-13300 Hämeenlinna, FINLAND

Verification of constancy:
System 2+

Notified body:

Inspecta Sertifointi Oy
PL 113
FI-00181 Helsinki, Finland

Inspecta Sertifointi (No 0416) has performed initial inspection of the manufacturing plant and factory product control and continuous surveillance, assessment and evaluation of factory production control and issued factory production control certificates.

Essential characteristics:

	Yield strength Rp0.2 min	Tensile strength Rm T<3 mm	Tensile strength Rm T>=3 mm	Elongation A% min	Impact strength min J / Temp	Weldability CEV max	Tolerances on dimensions and shape	Durability
S355J2H	355	510-680	470-630	20	27 / -40 °C	0.39	EN 10219-2, Clause 6	Suitable for hot dip galvanizing

*For section sizes D/T < 15 (round) and (B+H)/2T < 12,5 (square and rectangular) the minimum elongation is reduced by 2

Hämeenlinna 12.08.2015


Jouko Vuorinen

Head of Hämeenlinna, Lappohja, Pulkila and Oulainen tube mills
SSAB Europe Oy



0416

SSAB

SSAB Europe Oy, Harvialantie 420,
13300 Hämeenlinna
07

ref. S355J2H_20150812

EN 10219-1:2006

Cold formed welded structural hollow section:

EN 10219-1:2006

S355J2H

Essential characteristics:

Yield strength Rp0.2 min

355

Tensile strength Rm T<3 mm

510-680

Tensile strength Rm T>=3 mm

470-630

Elongation A% min*

20

Impact strength min J / Temp

27 / -40 °C

Weldability CEV max

0.39

Tolerances on dimensions and
shape

EN 10219-2, Clause 6

Durability

Suitable for hot dip
galvanizing

*For section sizes D/T < 15 (round) and (B+H)/2T < 12,5 (square and rectangular) the minimum elongation is reduced by 2

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Item	Cast No.	CEV	Cast analysis %														
			C	Si	Mn	P	S	Al	Nb	V	Cu	Cr	N	Ti	Mo	Ni	B
32	73207	,35	,09	,19	1,46	,014	,006	,041	,014	,008	,012	,044	,004	,018	,01	,035	,0003
33	78020	,34	,09	,18	1,44	,010	,006	,038	,013	,008	,016	,045	,004	,015	,01	,040	,0003
33	78028	,34	,09	,19	1,45	,008	,007	,039	,014	,005	,017	,043	,004	,018	,01	,039	,0002
35	78950	,33	,08	,19	1,39	,014	,005	,030	,023	,013	,012	,047	,006	,016	,01	,038	,0002
35	78952	,32	,08	,18	1,37	,013	,004	,024	,022	,009	,015	,045	,005	,017	,01	,036	,0002
42	69762	,32	,07	,18	1,39	,009	,008	,040	,024	,008	,024	,046	,004	,017	,01	,036	,0002
42	70038	,32	,07	,18	1,41	,012	,005	,033	,024	,006	,016	,045	,004	,018	,00	,036	,0003

Item	Test Number	Tensile Test				Impact Test					
		P2	Rp0.2	Rm	A	P3	oC	1 (J)	2 (J)	3 (J)	AVG (J)
			N/mm2	N/mm2	%						
32	4J24570	13	489	552	23						
33	4J24840	13	510	561	24	113	-40	104	110	128	114
33	4J24840	13	510	561	24	113	-40	104	110	128	114
35	4J25970	13	496	546	23						
35	4J25970	13	496	546	23						
42	4J14910	13	550	579	21	113	-40	113	102	099	104
42	4J14910	13	550	579	21	113	-40	113	102	099	104

Visual inspection and dimensional control has been performed
in compliance with the terms of the order contract- No objection.

SSAB Europe OyLappohja Works
Quality Control
Jennifer Gammals

CEV: $C + Mn/6 + (Cr+Mo+V)/5 + (Ni+Cu)/15$
P2: 13=Pipe, longitudinal; Ra = surface roughness
P3: 113=Impact test CV t x 10 mm, pipe body, longitudinal

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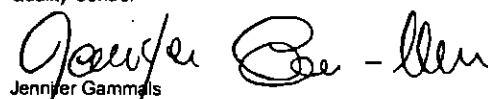
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Item	Cast No.	CEV	Cast analysis %														
			C	Si	Mn	P	S	Al	Nb	V	Cu	Cr	N	Ti	Mo	Ni	B
49	73879	,28	,05	,21	1,25	,008	,006	,037	,038	,006	,017	,041	,004	,019	,01	,040	,0003
55	79997	,27	,06	,20	1,21	,009	,003	,045	,037	,009	,016	,050	,004	,014	,00	,032	,0003
59	94455	,34	,08	,19	1,48	,010	,002	,043	,013	,013	,008	,025	,004	,014	,00	,034	,0002

Item	Test Number	Tensile Test				Impact Test					
		P2	Rp0.2	Rm	A	P3	oC	1 (J)	2 (J)	3 (J)	AVG (J)
		N/mm2	N/mm2	%							
49	4J23350	13	542	594	24						
55	4J27670	13	495	584	28						
59	4J24600	13	492	559	26						

Visual inspection and dimensional control has been performed
in compliance with the terms of the order contract- No objection.

SSAB Europe Oy

Lappohja Works
Quality Control


Jennifer Gammals

CEV: $C + Mn/6 + (Cr+Mo+V)/5 + (Ni+Cu)/15$

P2: 13=Pipe, longitudinal; Ra = surface roughness

P3: 113=Impact test CV t x 10 mm, pipe body, longitudinal