

**SSAB EMEA AB, SE-781 84 BORLÅNGE, Sweden**

<b>Inspection certificate</b> EN 10 204 - 3.1	A02	<b>Issuing department</b> Quality inspection	A05	<b>Purchaser order no</b> P033014	A07	<b>Our order no</b> 843226-1	A08	<b>Invoice no</b> 2691120	A19	<b>Certificate no and date</b> 15485596 2015-07-01	A03
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<b>Purchaser</b> BE GROUP OY AB HELSINGINTIE 50 POSTBOX 54 FI-15101 LAHTIS FINLAND	A11	<b>Product</b> HR pickl. wide strip in sheets	B01	<b>Marking</b> Manufacturer, MATERIAL ID	B06	<b>Standard/rules</b> SSAB	B02		
	81205	<b>Quantity</b> 57	<b>Dimensions [mm]</b> T 12 W 1500 L 3000	D09-D11	<b>Weight [kg]</b> 24350	<b>Steel grade</b> DOMEX LASER 420 MC D	D16		
<b>Consignee</b> RE GROUP OY AB HELSINGINTIE 50 POSTBOX 54 FI-15101 LAHTIS FINLAND				A06	<b>Customer marks</b>	D04	<b>Deliv. Cond.</b> D04	<b>Internal code</b>	B15

**MATERIAL ID**  
61-0779-671214-01 , 61-0779-671214-02 , 61-0779-671214-03 , 61-0779-671214-04 , 61-0779-671214-05 , 61-0779-671214-06 , 61-0779-671214-07 , 61-0779-671214-08 , 61-0779-671214-09 , 61-0779-671214-10

<b>Chemical composition</b>																	
<b>Heat no</b> 61-0779	<b>C</b>	<b>Si</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Cr</b>	<b>Ni</b>	<b>Mo</b>	<b>V</b>	<b>Ti</b>	<b>Cu</b>	<b>Al</b>	<b>Nb</b>	<b>B</b>	<b>N</b>	<b>Cekv</b>	<b>C93-C99</b>
	.067	.01	1.40	.007	.002	.05	.04	.01	.01	.00	.02	.039	.043	.0002	.004	.32	C71-C92 Carbon equivalent etc Cekv = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5

Testtype	Millicode	Specimen position	Direction	Treatment	Specimen type	Temp [degr C]	Test results										
							C04	C00	C01	C02	C03	C10	C05	C06			
Tensile test	BVR531	Top end	Longitudinal	Delivery condition	Rectangular 380x40	-20	C11 Reh [MPa] 483	C12 Rm [MPa] 568	C13 A5 [%] 28.5	C42 E [J] 270	C43 Ave [J] 248						
Impact test	BVR532	Top end	Longitudinal	Delivery condition	Charpy-V 10x10	-20	C42 E [J] 218	C42 E [J] 270	C43 Ave [J] 248								
Tensile test	BVR533	Top end	Transvers	Delivery condition	Rectangular 380x40	-20	C11 Reh [MPa] 526	C12 Rm [MPa] 588	C13 A5 [%] 23.0	C42 E [J] 270	C43 Ave [J] 248						
Bend test	BVR534	Top end	Transvers	Delivery condition	Rectangular 300x25	-20	C50 The test is satisfactory										

\*Rp02 No yield point extension Ae

Production time: 2015-06-30

It is hereby certified that the material described above complies with the requirements of the order.	Z02	This certificate is produced with EDP and valid without signature Material Testing/ L Smedh/ M Eriksson/ L Söderqvist	Z01	A22	A04
					<b>DOMEX®</b> HIGH STRENGTH STEEL www.domex.com