

**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> P026740	A07	<b>Our order no</b> 818624-3	A08	<b>Invoice no</b> 2629704	A19	<b>Certificate no and date</b> 15116605 2014-11-04	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> D08 69	<b>Dimensions [mm]</b> T 10 W 1500 L 3000	D09-D11	<b>Weight [kg]</b> 24640	<b>Steel grade</b> DOMEX LASER 355 MC D	D16
		<b>Consignee</b> RE GROUP OY AB HELSINGINTIE 50 POSTBOX 54 FI-15101 LAHTIS FINLAND	A06	<b>Customer marks</b>	<b>Deliv. Cond.</b> D04	<b>Internal code</b>	B15

**MATERIAL ID**  
29-1108-604887-01 , 29-1108-604887-02 , 29-1108-604887-03 , 29-1108-604887-04 , 29-1108-604887-05 , 29-1108-604887-06 , 29-1108-604887-07 , 29-1108-604887-08 , 29-1108-604887-09 , 29-1108-604887-10

<b>Chemical composition</b>	C71-C92	Carbon equivalent etc	C93-C99
<b>Heat no</b> 29-1108	<b>C</b> .070 <b>Si</b> .01 <b>Mn</b> .60 <b>P</b> .008 <b>S</b> .004 <b>Cr</b> .02 <b>Ni</b> .03 <b>Mo</b> .00 <b>V</b> .01 <b>Ti</b> .00 <b>Cu</b> .01 <b>Al</b> .044 <b>Nb</b> .037 <b>B</b> .0001 <b>N</b> .003 <b>Cekv</b> .18		Cekv = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5

Testtype	Millcode	Specimen position	Direction	Treatment	Specimen type	Temp [degr C]	Test results	
							C00	C03
Tensile test	BJS018	Top end	Longitudinal	Delivery condition	Rectangular 380x40	-20	C11 Reh [MPa] 415	C12 Rm [MPa] 515
Impact test	BJS019	Top end	Longitudinal	Delivery condition	Charpy-V 10x7.5	-20	C13 A5 [%] 32.0	C42 E [J] 105
Bend test	BJS020	Top end	Transvers	Delivery condition	Rectangular 300x25	-	C43 Ave [J] 145	C50 The_test_is satisfactory

Production time: 2014-11-03

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
	A04		A22