

Inspection certificate EN 10 204 - 3.1		A02	Issuing department Quality inspection		A05	Purchaser order no 20010000392		A07	Our order no 3068764-10		A08	Invoice no 0997117939		A19	Certificate no and date 19176599 2020-11-30		A03	SSAB EMEA AB, SE-613 80 OXELÖSUND, Sweden A01	
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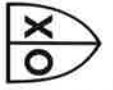
Product Tool steel		B01		Marking (Stamping) Manufacturer, MATERIAL ID		B06		Customer marks		B15	
Quantity 1	B08	Dimensions [mm] T 8 W 2105 L 5790	B09-B11		Weight [kg] 765	B12		Deliv. Cond. Q	B04	Internal code 22129	B16
A11		A06		Standard/rules SSAB		Steel grade TOOLOX 44		B02		B07	

**MATERIAL ID**  
128659-411146 (0010114530)

Chemical composition													C71-C92		Carbon equivalent etc		C93-C99	
Heat no 128659	C	Si	Mn	P	S	Cr	Ni	Mo	V	Ti	Cu	Al	Nb	B	N			
	.32	1.04	.78	.008	.001	1.33	.69	.780	.132	.011	.02	.006	.017	.002	.003			

Testtype	C04	Millcode	C00	Specimen position	C01	Specimen position	C02	Direc-tion	C02	Treat-ment	B05	Specimen type	C10	Temp [degr C]	C03	Test results		
																C11	C12	C13
Tensile test	740283		Top end	Top end	Transverse	Transverse	Delivery condition	Rectangular								Rp0.2 [MPa] 1297	Rm [MPa] 1408	A200 [%] 8
Impact test	740283		Top end	Top end	Transverse	Delivery condition	Charpy-V 5x10	20								E [J] 17	E [J] 16	Ave [J] 15
Hardness test (HBW)	740308		Top end	Top end	Transverse	Delivery condition										C32 Ave 450		

ULTRASONIC INSPECTION ACCORDING TO EN 10 160 WITH EXTRA DEMANDS ACCORDING TO SPECIFICATION SSAB V6

	This certificate is produced with EDP and valid without signature		Quality Inspection Department/ A Backlund / M Pettersson / M Zetterqvist		Z02			It is hereby certified that the material described above complies with the requirements of the order.		Z01			A22	