



SSAB EMEA AB, SE-613 80 OXELÖSUND, Sweden A01

<b>Inspection certificate</b> EN 10 204 - 3.1	A02	<b>Issuing department</b> Quality inspection	A05	<b>Purchaser order no</b> M-019-23	A07	<b>Our order no</b> 3133826-40	A08	<b>Invoice no</b> 0997230355	A19	<b>Certificate no and date</b> 21476647 2023-06-16	A03
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<b>Purchaser</b> A11  0003072218 KORKMAZ ÇELİK TİCARETİ VE SANAYİ A. DES SANAYİ SİTESİ DES TİCARET İSTANBUL TR	<b>Product</b> Tool steel		B01	<b>Marking (Stamping)</b> Manufacturer, MATERIAL ID		B06	<b>Customer marks</b>		B15	
	<b>Quantity</b> 1	<b>Dimensions [mm]</b> T 40 W 2070 L 5800	B08	B09-B11,B14	<b>Weight [kg]</b> 3770	B12	<b>Deliv. Cond.</b> Q	B04	<b>Internal code</b> 22129	B16
	<b>Consignee</b> KORKMAZ ÇELİK TİCARETİ VE SANAYİ A. DES SANAYİ SİTESİ DES TİCARET İSTANBUL TR			A06	<b>Standard/rules</b> SSAB Steel grade TOOLOX 44		B02			
<b>MATERIAL ID</b> 139822-221871 (0011344056)										B07


Chemical composition										C71-C92	Carbon equivalent etc	C93-C99			
<b>Heat no</b> 139822	<b>C</b> .32	<b>Si</b> 1.07	<b>Mn</b> .80	<b>P</b> .009	<b>S</b> .002	<b>Cr</b> 1.33	<b>Ni</b> .69	<b>Mo</b> .780	<b>V</b> .119	<b>Ti</b> .012	<b>Cu</b> .02	<b>Al</b> .006	<b>Nb</b> .017	<b>B</b> .001	<b>N</b> .003

Testtype	Millcode	Specimen position	Direction	Treatment	Specimen type	Temp [degr C]	Test results				
Tensile test	144171	Top end	Transverse	Delivery condition	Round		C11 Rp0.2 [MPa] 1273	C12 Rm [MPa] 1417	C13 A5 [%] 11		
Impact test	144171	Top end	Transverse	Delivery condition	Charpy-V 10x10	-20	C42 E [J] 14	C42 E [J] 16	C42 E [J] 20	C43 Ave [J] 17	
Impact test	144171	Top end	Transverse	Delivery condition	Charpy-V 10x10	20	C42 E [J] 23	C42 E [J] 23	C42 E [J] 22	C43 Ave [J] 23	
Hardness test (HBW)	144184	Top end		Delivery condition			C32 Ave 431				

	This certificate is produced with EDP and valid without signature	Z02	Z04	Z01
	Quality Inspection Department/ A Backlund / M Pettersson / M Zetterqvist			It is hereby certified that the material described above complies with the requirements of the order.
				 PREHARDENED TOOL STEEL www.toolox.com

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ULTRASONIC INSPECTION ACCORDING TO EN 10 160 WITH EXTRA DEMANDS ACCORDING TO SPECIFICATION SSAB V6  
 vendor batch:-/139822-221871

	This certificate is produced with EDP and valid without signature	Z02	Z04	Z01	<b>TOOLOX®</b> PREHARDENED TOOL STEEL <a href="http://www.toolox.com">www.toolox.com</a>
	Quality Inspection Department/ A Backlund / M Pettersson / M Zetterqvist			It is hereby certified that the material described above complies with the requirements of the order.	