

Tilaaja Purchaser KONTINO OY AB PL 27 01301 VANTAA FINLAND Tilaus nro. Order No. 1110507	Tilauksen vahvistus Order Confirmation 77647U	Vastaanottaja Consignee OY KONTINO AB HAKINTIE 8 01380 VANTAA FINLAND Asiakkaan merkki Shipping mark 1110507	Päivämäärä Date 24.04.2017 Valmistajan merkki Mark of the Manufacturer AMT
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Laji Grade SSAB DOMEX 355MC D	Lisävaatimukset Additional requirements Jalkuväläinen hienopiirrästä Oxygen steel, continuous casting Fully killed, Fine grain practiced
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Laatuohje Quality Specifications

HSF FINE GRAIN STEEL MEETS REQ.OF EN10149-2 S355MC

Pos. Item	Sulautus k era nro Cast. test No	T-tila Cond	Venokoe Tensile test				Talviruukooe Band test										Huom Nb	Päästö Tempering °C						
			K2	°C	RP02 MPa	RT05 MPa	REL MPa	REH MPa	1	RM MPa	2	3	A %	50	80	200			REH / RM	RM * A5	1	2	3	Keskiaivo Average
010	71648	031	TM	32		416																36	0.5	
020	71649	041	TM	32		407																32	0.5	
K2: 32-CENTRE, LONGITUDINAL																								
K5: 32=120 MM WIDE BEND TEST																								
TM=THERMOMECH. TREATED																								
Pos. Item	Sulautus k era nro Cast. test No	Isukoe Impact test	Sitteetäunntunna Ductile fracture										Huom Nb	Päästö Tempering °C										
			K3	°C	1	2	3	Keskiaivo Average	W	1	2	3			Keskiaivo Average	K4	°C	1	2	Keskiaivo Average				

TM=THERMOMECH. TREATED

Pos. Item	Sulatus k era nro Cast. test No		Iskukoe Impact test		Keskiarvo Average		Sitkeämurtuma Ductile fracture		Enkokoasteet Special tests		Huom Nb		Päästö Tempering °C				
	K3	°C	1	2	3	Keskiarvo Average	W	1	2	3	K4	°C		1	2	3	Keskiarvo Average
020 71649 041 137 -020 102 102 104 103																	

K3: 137=CH-V(J), TX10,CENTRE, LONGIT. KV6000

K3: 137=CH-V(J),TX10,CENTRE, LONGIT. KV600

Raabe Steel Works

Testaus ja tarkastus Testing and inspection

Minna Valkama

Valtuutettu tarkastaja Authorized inspection representative
Yhtiön nimi Company Name: SSAB Europe Oy
Kotipaikka Registered Office: HÄMEENLINNA

Osoite Address: PL 93, P.O. Box 93
FIN-02101 RAAHE, FINLAND

Puhelin Telephone: 020 5911
+358 20 5911

Telakopio Telefax: 020 592 2736
+358 20 592 2736

Y-tunnus Business ID: 2389445-7

Tämän todistuksen, että laatuohje on täsmälleen kuvattu materiaalin
We hereby certify that the material described above has been tested and complies with the terms of the order confirmation.



ANALYYSITODISTUS ANALYSIS CERTIFICATE
ANALYSEBESCHEINIGUNG COMPOSITIO CHIMIQUE CERTIFICAT
СЕРТИФИКАТ АНАЛИЗА

3/3
776470-003
21.04.2017

Analytical % Chemical composition %												Chemisch Zusammensetzung %												Composition Chimique %												Analyse nimen %												(*ppm)												Päivämäärä Date												Datum Date												24.04.2017												AMT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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71648	010	.20	.058	.02	0.80	.007	.004	.054	.029	.005	.001
71649	020	.21	.059	.02	0.81	.007	.004	.046	.030	.005	.001

CEQ=C+MN/6+(CR+MO+V)/5+(NI+CU)/15

Raah Steel Works

Testaus ja tarkastus
Prüfung und Kontrolle

Steel manufactured and supplied by Raah Steel Works is free from radiation.
Производимая на металлургическом комбинате «Раахе Steel Works» и поставленная заказчику сталь не содержит радиации.

Minna Valkama

MINNA VALKAMA
Valtuutettu tarkastaja
Sachverständiger
Authorized inspection representative
Inspector autorisé
Yhtiön nimi Company Name: SSAB Europe Oy
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Y-tunnus Business ID: 2389445-7