



INSPECTION CERTIFICATE
CERTIFICAT DE INSPECTIE
 (UNI EN 10204 3.1 / ISO 10474 3.1)

Number / Numar:

02-21-13717

Page / Pagina:

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Date / Data: **May 21, 2021**

Silcotub S.A. Plant
 93, Mihai Viteazul Blvd.
 450131 Zalau, Sălaj
 România
 Tel: + 40 260 620720
 Fax: + 40 260 661581

Customer / Client: FEON OY		Customer's Order Item / Comanda clientului - Item: 34345	Customer's Reference / Referinta clientului: .	Manufacturer's Works Order N° / Comanda de vanzare: 2263577/001
Manufacture Process / Proces de fabricatie: STRESS RELIEVED TRATAMENT TERMIC DE DETENSIONARE,		Product Type / Tip de produs: COLD DRAWN HOLLOW BARS BARE TUBULARE PENTRU PRELUCRARE TRASE LA RECE		Surface / Suprafata: INT AND EXT BARE INTERIOR SI EXTERIOR NEPROTEJATE
Standard or Specification / Norma sau specificatie: ACC. TO NORM EN 10294-1 SPEC.TN 294-04 VER.0 ACC. TO NORM EN 10294-1 SPEC.TN 294-04 VER.0		Steel Grade / Grad de otel: STEEL HB 470 AR / E 470 ACCIAIO HB 470 AR / E 470		Ends / Capete: PLAIN END (SQUARE CUT) CAPETE NETEDE (TAIATE DREPT)
Dimensions / Dimensiuni: ø 1.378" O.D. x .295" W.T. 20id, 35.00od, 7.50wt in mm	Schedule / Program: .	Length / Lungime: 19.685 ft ÷ 29.528 ft 6000 mm ÷ 9000 mm	Quantity / Cantitate: 54Pcs/buc. 1337'07" ft 5293,2 lb 407.7 mt 2401 kg	Nominal Weight / Greutate nominala: 3.42 lb/ft 5.09 Kg/m

DELIVERY NOTES / NOTE DE LIVRARE

Delivery Notes Note de livrare	Delivery Notes Note de livrare
Job Number / Nr. Comanda interna: 00000031279991 / 000010 Shipping Note / Aviz de expeditie: 0102601583 - 21/05/2021 Address / Adresa: TEOLLISUUSKATU 33	Town / Oras: FI-005 HELSINKI Country / Tara: Finland

TENSILE TEST / TEST DE TRACTIUNE

Heat N° Sarja N°	Sample N° Proba N°	Specimen condition Conditie epruveta				Specimen dimensions Dimensiuni epruvetelor		Test temp Temp de incercare °C	Y.S. Offset 0.2%		U.T.S. Req.		Elongation / Alungire			
		Ls	Sc	Type Tip	Ori	Size Dimensiune mm	Area Sectiune mm2		Min: 470.00 Max: 999.00 MPa	Min: 650.00 Max: 999.00 MPa	Lo 5D = 5.65√So cal.	Min.	Min.	Obt.		
															mm	%
702654	W4768/T	B	SR	Ss	L	12.57 x 8.75	115.50	+20	624.00	890.00	5D	60.0	17.0%	20.0%		

B: Body / Corp	Max: Maximum / Maxim	Req: Required / Cerinta	U.T.S: Ultimate Tensile Strength / Rezistenta la rupere
L: Longitudinal / Longitudinal	Min: Minimum / Minim	Sc: Specimen condition / Starea epruvetei	Y.S: Yield Strength / Rezistenta la curgere
Lo: Initial length / Lungime initiala	Obt: Obtained / Obtinut	SR: Stress relief / Detensionat	
Ls: Location of sample / Locatia probei	Ori: Orientation / Orientare	Ss: Strip specimen / Rectangular	

This certificate is issued by a computerized system and it is valid with electronic signature. On the original certificate the trade-mark green colored "Tenaris" is stamped. In case the owner of the original certificate would release a copy of it, he must attest its conformity to the original one taking upon himself the responsibility for any unlawful or not allowed use. Any alteration and/or falsification will be subjected to the law.

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CHEMICAL COMPOSITION / COMPOZITIE CHIMICA

		Composition % / Compozitie %														
		X 100						X 1000								
		C	Mn	Si	Cr	V	Cu	Ni	Mo	Ce LF	S	P	Al			
Heat N° Sarja N°	Sample N° Proba N°	P	Max	20	170	40	30	15	--	--	--	--	57	35	25	40
			Min	17	130	10	--	10	--	--	--	--	20	--	20	
702654		H	19	153	36	22	14	14	12	7	55	27	17	25		

		Composition % / Compozitie %														
		X 100						X 1000								
		C	Mn	Si	Cr	V	Cu	Ni	Mo	Ce LF	S	P	Al			
Heat N° Sarja N°	Sample N° Proba N°	P	Max	20	170	40	30	15	--	--	--	--	57	35	25	40
			Min	17	130	10	--	10	--	--	--	--	20	--	20	
702654	W4768/T	P	19	151	37	20	13	13	10	7	--	24	15	28		

Ce LF: C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

Max: Maximum / Maxim

P: Product / Produs

H: Heat / Sarja

Min: Minimum / Minim

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SUPPLEMENTARY INFORMATION / INFORMATIE SUPLIMENTARA

STANDARD EDITIONS EDITIILE NORMELOR	
Standard: EN 10294-1 Year: 2017	Norma: EN 10294-1 An: 2017

Supplementary Information Informatie Suplimentara	
Heat Pz Mt Kg 702654-000 54 407,70 2401 Tube dimens. (Outside diameter x Wall Thick.) : 35,75 x 08,90	Sarja Pz Mt Kg 702654-000 54 407,70 2401 Dim. di fabbricazione (Diam esterno x Spessore): 35,75 x 08,90

Supplementary Information Informatie Suplimentara	
NONDESTRUCTIVE TEST (EDDY CURRENT) ACC. TO ISO 10893-1/ISO 10893-2 E2H WITHOUT OBJECTIONS 100% PMI CONTROL HAS BEEN CARRIED OUT WITH SATISFACTORY RESULTS. ALL THE PIPES HAVE BEEN INSPECTED BY EDDY CURRENT INSTEAD OF HYDROSTATIC TEST WITH SATISFACTORY RESULTS HEAT TREATMENT: STRESS RELIEVING VISUAL AND DIMENSIONAL CONTROL HAS BEEN CARRIED OUT WITH SATISFACTORY RESULT STEEL IS FULLY KILLED AND PRODUCED BY ELECTRIC FURNACE TO A FINE GRAIN PRACTICE . THE PRODUCT SUPPLIED IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE ORDER. Tenaris IT identification number for MTC: 58xKp7	CONTROL NEDISTRUCTIV (EDDY CURRENT) CONFORM ISO 10893-1/ISO 10893-2 E2H FARA OBJECTII CONTROLUL PMI A FOST FACUT PE 100% DIN TEVI CU REZULTATE SATISFACATOARE TOATE TEVILE AU FOST CONTROLATE EDDY CURRENT IN LOC DE TESTUL HYDROSTATIC TRATAMENT TERMIC: DETENSIONARE CONTROLUL VIZUAL DIMENSIONAL S-A REALIZAT CU REZULTATE SATISFACATOARE OTELUL ESTE PRODUS IN CUPTOR ELECTRIC COMPLET CALMAT CONFORM UNEI PRACTICI DE OBTINERE A UNUI GRAUNTE FIN PRODUSUL LIVRAT ESTE IN CONFORMITATE CU CERINTELE COMENZII Tenaris IT numărul de identificare pentru MTC: 58xKp7

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MARKING / MARCAJ

Marking Marcaj	
STENCILING MARCAJ CONTINUU:TENARIS SL_TN 294-04_HB470AR __ 35.00_x_ 20 _EN 10 294-1_E470_HEAT NO: _ 2263577_/_ 001_ _ 34345 _ 1 INEL_LA 15 CM DE LA AMBELE CAPETE DE CULOARE: _ VERDE _ RAL 6017 ==>> ETICHETE STANDARD <<== C:2263577/00 1_ _ 34345 _	PICTURA MARCAJ CONTINUU:TENARIS SL_TN 294-04_HB470AR __ 35.00_x_ 20 _EN 10 294-1_E470_HEAT NO: _ 2263577_/_ 001_ _ 34345 _ 1 INEL_LA 15 CM DE LA AMBELE CAPETE DE CULOARE: _ VERDE _ RAL 6017 ==>> ETICHETE STANDARD <<== C:2263577/00 1_ _ 34345 _

This is to certify that the product described here has been manufactured, sampled, tested, and inspected in accordance with purchaser order requirements. This certificate is not a declaration of origin nor may it be used as a declaration of origin. Prin acest document certificam ca produsele descrise, au fost fabricate, esantionate, testate si inspectate in conformitate cu cerintele din comanda clientului. Acest certificat nu este o declaratie de origine si nu poate fi folosit in locul unei declaratii de origine.

CUSTOMER THIRD PARTY	TENARIS QUALITY DEPARTMENT SIGNATURE
INSPECTION COMPANY FIRMA TERTA DE INSPECTII	 QUALITY CERTIFICATION DEPT. DEPARTAMENT CERTIFICARE CALITATE PUSCAS Daniela
	 QUALITY REGIONAL MANAGER MANAGER REGIONAL DE CALITATE CUBLESAN Rares

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