



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

Number / Numar:

02-23-01555

Page / Pagina:

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Date / Data: **January 19, 2023**

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: 44101	Customer's Reference / Referinta clientului:	Manufacturer's Works Order N° / Comanda de vanzare: 2251139/001
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: 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: SQUARE CUT CAPETE NETEDE (TAIATE DREPT)
Dimensions / Dimensiuni: ø1.378" 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: 105Pcs/buc. 2584'00 ft 10227,2 lb 787.6 mt 4639 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 internă: 00000031340344 / 000010 Shipping Note / Aviz de expeditie: 0104403460 - 19/01/2023 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.		U.T.S.		Elongation / Alungire			
		Ls	Sc	Type Tip	Ori	Size Dimensiune mm	Area Sectiune mm2		Offset 0.2%		Req.	5D = 5.65√So	Lo	Min.	Min.	Obt.
									Min: 470.00	Max: 999.00						
720840	Y5294/T	B	AM	Ss	L	12.50 x 8.65	113.40	+20	798.00	867.00	5D	60.0	17.0%	19.0%		

AM: As manufactured / Ca fabricat	Ls: Location of sample / Locatia probei	Ori: Orientation / Orientare	U.T.S: Ultimate Tensile Strength / Rezistenta la rupere
B: Body / Corp	Max: Maximum / Maxim	Req: Required / Cerinta	Y.S: Yield Strength / Rezistenta la curgere
L: Longitudinal / Longitudinal	Min: Minimum / Minim	Sc: Specimen condition / Starea epruvetei	
Lo: Initial length / Lungime initiala	Obt: Obtained / Obtinut	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
720840		H	18	157	35	23	14	17	15	7	55	26	14	28	

		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
720840	Y5294/T	P	19	155	37	21	13	17	16	7	--	24	16	29	

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																	
<table border="0"> <tr> <td>Heat</td> <td>Pz</td> <td>Mt</td> <td>Kg</td> </tr> <tr> <td>720840-000</td> <td>105</td> <td>787,60</td> <td>4639</td> </tr> </table> <p>Tube dimens. (Outside diameter x Wall Thick.) : 35,75 x 08,90</p>	Heat	Pz	Mt	Kg	720840-000	105	787,60	4639	<table border="0"> <tr> <td>Sarja</td> <td>Pz</td> <td>Mt</td> <td>Kg</td> </tr> <tr> <td>720840-000</td> <td>105</td> <td>787,60</td> <td>4639</td> </tr> </table> <p>Dim. di fabbricazione (Diam esterno x Spessore): 35,75 x 08,90</p>	Sarja	Pz	Mt	Kg	720840-000	105	787,60	4639
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720840-000	105	787,60	4639														
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720840-000	105	787,60	4639														

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<p>NONDESTRUCTIVE TEST (EDDY CURRENT) ACC. TO ISO 10893-1/ISO 10893-2 E2H DRILL HOLE 1,0mm: 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: 59H#V&p</p>	<p>CONTROL NEDISTRUCTIV (EDDY CURRENT) CONFORM ISO 10893-1/ISO 10893-2 E2H CU GAURA STRAPUNSA DE 1.00MM: FARA OBIECTII CONTROLUL PMI A FOST FACUT PE 100% DIN TEVI CU REZULTATE SATISFACATOAR 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: 59H#V&p</p>

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MARKING / MARCAJ

Marking Marcaj	
<p>STENCILING MARCAJ CONTINUU:TENARIS SL_TN 294-04_HB470AR __ 35.00_x_ 20 _EN 10 294-1_E470_HEAT NO: _ 2251139 _/ _ 001 _ _ 44101 _ 1 INEL_LA 15 CM DE LA AMBELE CAPETE DE CULOARE: _ VERDE _ RAL 6017 ==>> ETICHETE STANDARD <<== C:2251139/00 1 _ _ 44101 _</p>	<p>PICTURA MARCAJ CONTINUU:TENARIS SL_TN 294-04_HB470AR __ 35.00_x_ 20 _EN 10 294-1_E470_HEAT NO: _ 2251139 _/ _ 001 _ _ 44101 _ 1 INEL_LA 15 CM DE LA AMBELE CAPETE DE CULOARE: _ VERDE _ RAL 6017 ==>> ETICHETE STANDARD <<== C:2251139/00 1 _ _ 44101 _</p>

<p>The product certified herein has been manufactured, sampled, tested and inspected in accordance with the stated specifications and has been found to meet the requirements. This certificate is not a declaration of origin nor may it be used as a declaration of origin.</p>		<p>Produsul certificat aici a fost fabricat, esantionat, testat si inspectat in conformitate cu specificatiile mentionate si s-a determinat ca indeplineste cerintele. Acest certificat nu este o declaratie de origine si nici nu poate fi utilizat ca si o declaratie de origine.</p>	
CUSTOMER . THIRD PARTY		TENARIS QUALITY DEPARTMENT SIGNATURE	
INSPECTION COMPANY FIRMA TERTA DE INSPECTII		 QUALITY CERTIFICATION DEPT. DEPARTAMENT CERTIFICARE CALITATE PUSCAS Daniela	
		 QUALITY SENIOR DIRECTOR DIRECTOR SENIOR CALITATE CUBLESAN Rares	

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