32527

A01
Tata Steel IJmuiden BV
Wenckebachstraat 1
1951 JZ Velsen Noord
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Company Trade Register 34048551
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A07.A09 Reference
16483
PLC085 16483 - 1 GC-12-50

A02
Test report 2.2, EN 10204.

B01.B02.B05.B04.B15

TATA STEEL

A05 Doc. nr
2018023435 00

Hot rolled dry, Coil, HSLAS GRADE 65 CL.1 LIM.A, ASTM A 1018:07.
Mill edges.

Tolerance ASTM A 635 (Thickness tolerance +0.012/-0.012 inch, Width tolerance +1.5/-0 inch).
COUNTRY OF ORIGIN: THE NETHERLANDS.
EXPORTED BY TATA STEEL IJMUIDEN BV, LOCATED IN THE NETHERLANDS.
THE VALUE OF THE GOODS IS NOT INCLUDED IN THIS DOCUMENT, DUE TO A CONFIDENTIALITY AGREEMENT BETWEEN THE SELLER AND THE BUYER

Z04

A06 Customer/Consignee

A08 Order nr.
51645 A

A11 Dispatch note
11316

A10 Transport
STAR ISTIND

B09.B10.B11 Dimensions
60.000 " X 0.3125 "

C10-C29 TENSILE TEST

HARD-NESS

C40.C60.C65 IMPACT TEST AND OTHER TESTS

B07 PROD.-IDENT	B15 MASS kg	B08 NR	B07 CAST NR.		C01	C01/C02	C10	B05	C05 Temp °C	C11 R_{eH} MPa	C11 R_{eL} MPa	C11 $R_{p0.2}$ MPa	C12 R_m MPa	C15 A_{50} %	C15 A %	C16 R_p/R_m %	C17 r-value	C18 n-value	C52	C01/C02	C10	B05	C41 mm	C40.C60.C65	C05 Temp °C	C44	C42 ind.	C42 ind.	C42 ind.	C45 mean	C95 ASTM E-112
2004041	21940	1	K1887		32	1L	P		+ 20			560	648	25.0		86							# 61801								
2004042	21960	1	"		32	1L	P		+ 20			558	638	25.5		87							# 61800								
TOTAL	43900	2																													

C71-C92 CHEMICAL COMPOSITION in %

B07 CAST NR.	B07 PROD.-IDENT	C71 C	C72 Mn	C75 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb	C82 V	C83 N	C84 B	C86 C-eq	C86 Al-ZO	C87 Sn	C88 Ti	C89 C-eql
K1887		.067	1.453	.015	.001	0.027	0.036	.010	0.026	0.017	.003	.059	.004	.0039	.0000		0.035	.001	.033	.314

C44
1: J/cm²
2: J
3: Later. exp. (mm)
4: Contraction (%)
5: Shear area (%)

C91
1:1=Top 2:1=Edge
2=Middle 2=Middle
3=Bottom

C01 C02 L=Longitudinal
1=Surface T=Transverse
2=Centre Z=in thickn dir
3=¼ Surface D=in Diagonal dir

C18
P=prismatical
C=cylindrical

C-eql: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

C70 STEELMAKING PROCESS: BO

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Z05 Stamp of the expert :

Z02
Tata Steel IJmuiden BV

SIMON BRAAM
MANAGER TESTING

S.P. Braam

IJMUIDEN, 1 MAART 2018

Z05

B06 A04

Z01 We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions

DIW0675E DIW491TS