

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

Via Don Minzoni, 14 - Tel. (039) 6040239

Telefax (039) 6049943

20049 CONCOREZZO (Milano)

Date : 29-10-2012

INSPECTION BOOK

CUSTOMER : DESMET BALLESTRA SpA

JOB : 2F11

ORDER N°. : 121951

**ITEM : 64Y1-2-7-17-12-26-32-16-23-28-6
64Y13-27-3-10-11-25-19-24-29-31
Sheet 9/9/10/11/13/15/16/17/21
Sheet 22/23/24/26/27**

ITEM IN OBJECT : SPECIAL PIECE "Y"

TABLE OF CONTENT:

I.C.I. di MERONI MICHELE
Via Don Minzoni, 14
20049 CONCOREZZO (MI)
Inspector:
Luisa Gulinelli
Level II ISNT-TC-IA
Level II UNI EN 473 AS PER PED

- | | |
|-----|-------------------------------|
| 1 - | CERTIFICATE OF COMPLIANCE |
| 2 - | VISUAL AND DIMENSIONAL REPORT |
| 3 - | MATERIAL CERTIFICATE |
| 4 - | PAINTING REPORT |
| 5 - | MATERIAL MAP |
| 6 - | MATERIAL SUMMARY |

<p>I.C.I. di Meroni Michele IMPIANTI CHIMICI INDUSTRIALI Via Don Minzoni, 14 - Tel. (039) 6040239 Telefax (039) 6049943 20049 CONCOREZZO (Milano)</p>	<p>CERTIFICATO DI CONFORMITA' CERTIFICATE OF COMPLIANCE CUSTOMER : DESMET - BALLESTRA S.p.A. JOB N°. 2F11 Order 121951</p>
<p>ITEM : 64Y1-2-7-17-12-26-32-16-23-28-6-13-27-3-10-11-25-19-24-29-31</p> <p>Description : SPECIAL PIECE "Y"</p> <p>DATA SHEET N°. -----</p> <p>Constructive Dwg. N°. 211-65-113 / Sheet 8-9-10-11-13-15-16-17-21-22-23-24-26-27</p>	

**SI CERTIFICA CHE IL MATERIALE RISULTA CONFORME
 A QUANTO RICHIESTO DAI DISEGNI,
 DALL' ORDINE ED ALLE SPECIFICHE IN ESSI RICHIAMATI.**

**WE HEREBY CERTIFY THAT THE MATERIAL IS IN COMPLETELY
 ACCORDANCE WITH THE DRAWINGS,
 THE ORDER AND THE SPECIFICATIONS NOTED IN ABOVE
 MENTIONED DOCUMENTS.**

ICL di MERONI MICHELE

I.C.I. di MERONI MICHELE
 Via Don Minzoni, 14
 20049 CONCOREZZO (MI)
 Inspector
 Lino Gulmini
 Level II SNF-TC-IA
 Level II UNI-EN 973 AS PER PED

CUSTOMER INSPECTOR

I.C.I.	29/10/2012	G.Meroni	29/10/2012	L.Gulmini	29/10/2012
Issued by Emesso da	Date Data	Checked by Controllato da	Date Data	Approved by Approvato da	Date Data

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

Via Don Minzoni, 14 - Tel. (039) 6040239
 Telefax (039) 6049943
 20049 CONCOREZZO (Milano)
 N. Codice fiscale MRN MHL 23L26C952B
 N. Partita I.V.A. 00385930961

DATA : 29-10-2012

VISUAL AND DIMENSIONAL REPORT

Customer	<i>DESMET BALLESTRA S.p.A.</i>
Customer Order No.	121951
Job	2F11
Item	64Y1-2-7-17-12-26-32-16-23-28-6-13-27-3-10-11-25-19- 24-29-31
Description	SPECIAL PIECE "Y"
Data sheet	-----
Constructive Dwg.	2F11-65-113 / Sheet 8-9-10-11-13-15-16-17-21-22-23- 24-26-27

Si dichiara che il controllo visivo e dimensionale eseguito in accordo ai disegni
 ed alle specifiche BALLESTRA ha avuto esito positivo.

**We certify that the visual and dimensional control has been performed
 according to the drawings and BALLESTRA's specification with
 positive result.**

I.C.I di Meroni Michele

CUSTOMER INSPECTOR

I.C.I. di MERONI MICHELE
 Via Don Minzoni, 14
 20049 CONCOREZZO (MI)
 Inspector
 Lauro Gulmini
 Level II SNCF TC-IA
 Level II UNI-EN 473 AS PER PED

G.Meroni	29/10/2012	L.Gulmini	29/10/2012
Checked by Controllato da	Date Data	Approved by Approvato da	Date Data

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

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N. Codice fiscale MRN MHL 23L26C952B

N. Partita I.V.A. 00385930961

Date : 29-10-2012

WHITE PAINTING REPORT
(For apparatus in Carbon steel)

Customer	DESMET BALLESTRA S.p.A.
Customer Order No.	121951
Job	2F11
Item	64Y1-2-7-17-12-26-32-16-23-28-6-13-27-3-10-11-25-19-24-29-31
Description	SPECIAL PIECE "Y"
Data sheet	-----
Constructive Dwg.	2F11-65-113 / Sheet 8-9-10-11-13-15-16-17-21-22-23-24-26-27

Il ciclo di verniciatura su superfici esterne è stato eseguito in accordo alla specifica Ballestra SB-ATI-SP002/4 galvanizzato a bagno.
(Item 64Y19-64Y24-64Y29-64Y31)

The external painting cycle has been performed, according to the Ballestra's specification SB-ATI-SP002/4 galvanized steel.
(Item 64Y19-64Y24-64Y29-64Y31)

Le parti in Carbon steel sono state protette con zincante inorganico in accordo alla specifica Ballestra SB-ATI-SP002/4

The parts in Carbon steel have been protected with inorganic zinc according SB-ATI-SP002/4

I.C.I. di MERONI MICHELE

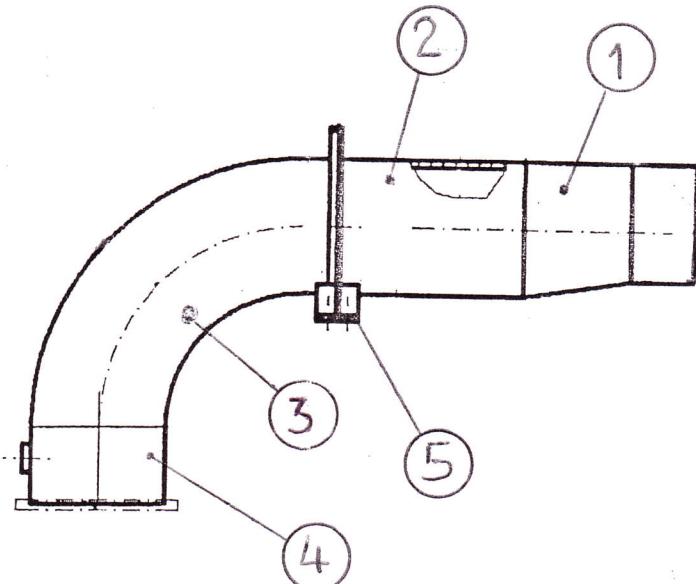
I.C.I. di MERONI MICHELE
Via Don Minzoni, 14
20049 CONCOREZZO (MI)
Inspector
Luisio Giulini
Level II SN-TC-IA
Level II UNI-EN 473 AS PED

CUSTOMER INSPECTOR

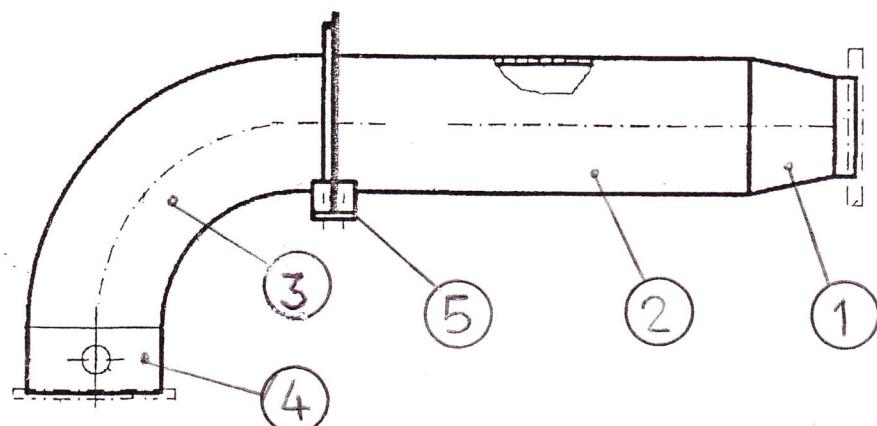
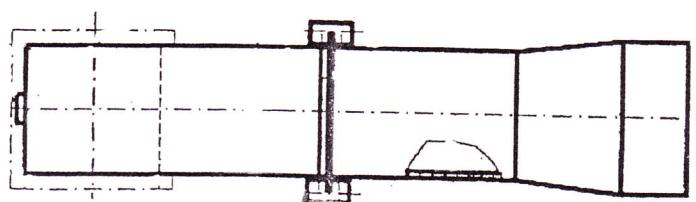
I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

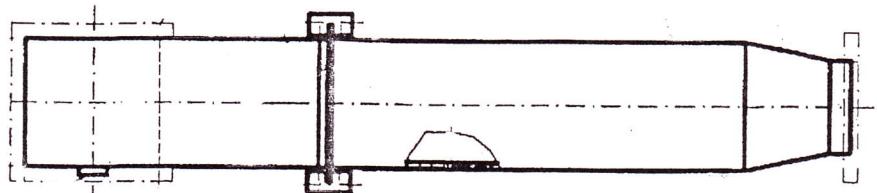
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ITEM 64Y1



ITEM 64Y2



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Via Don Minzoni, 14
20049 CONCOREZZO (MI)

Sheet 1 of 3

ITEM 64Y1-64Y2 / Sheet 26-27

Job. 2F11 - Dwg 2F11-65-113 Ord.121951

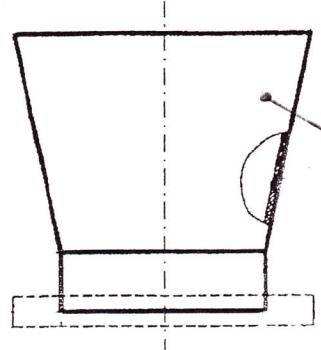
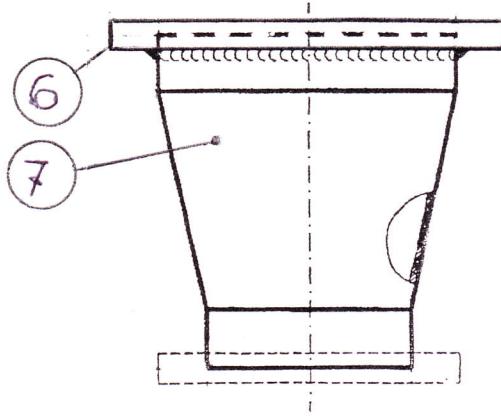
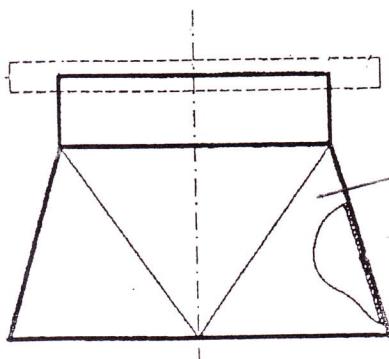
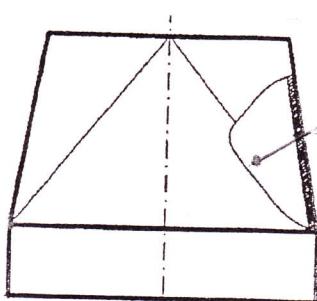
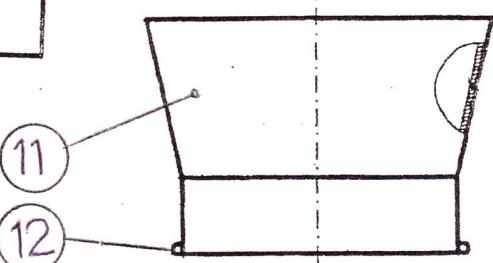
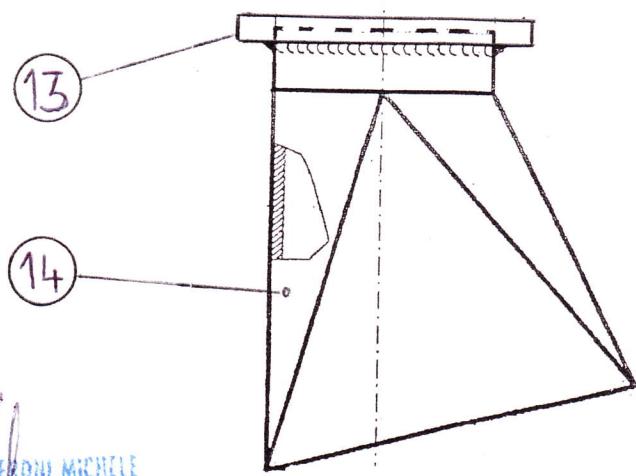
MATERIAL MAP

SPECIAL PIECE "Y"

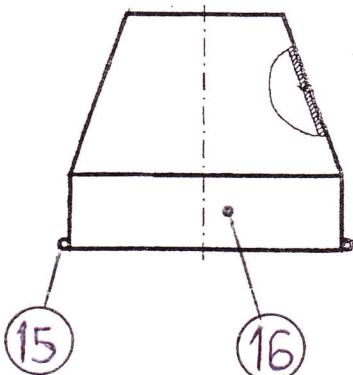
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ITEM 64Y17**ITEM 64Y12****ITEM 64Y7****ITEM 64Y26****ITEM 64Y16****ITEM 64Y32****ITEM 64Y23****ITEM 64Y28**

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Sheet 2 of 3

ITEM 64Y7-64Y17-64Y12-64Y26-64Y32-64Y16-64Y23-64Y28

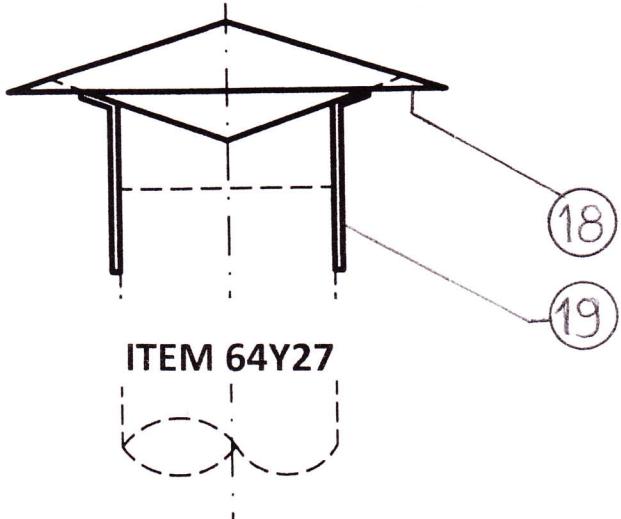
Job. 2F11 - Dwg 2F11-65-113 - Sheet 10/11/13/15/16/21/22 Ord.121951

MATERIAL MAP**SPECIAL PIECE "Y"**

I.C.I. di Meroni Michele

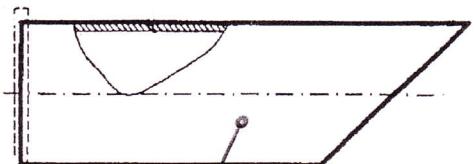
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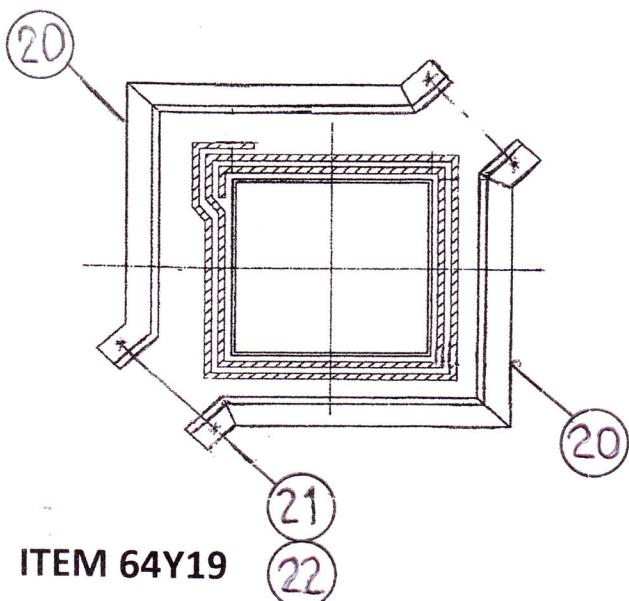


ITEM 64Y6

ITEM 64Y13



ITEM 64Y27

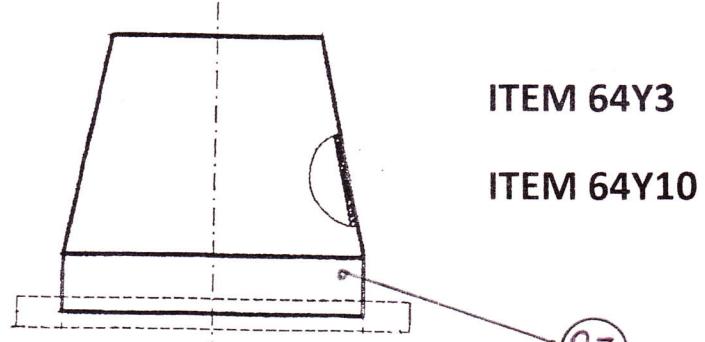


ITEM 64Y19

ITEM 64Y24

ITEM 64Y29

ITEM 64Y31

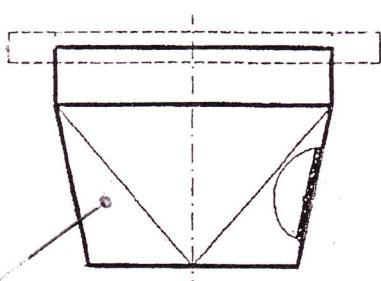


ITEM 64Y3

ITEM 64Y10

ITEM 64Y11

ITEM 64Y25



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ITEM 64Y11-64Y25-64Y3-64Y10-64Y6-64Y13-64Y19-64Y24-64Y29-64Y31-64Y27/ Sheet 8-24-17-9-23

SECTION ALL - Job. 2E94 - Dwg 2E94-65-106 Rev.1 Ord.121045

Sheet 3 of 3

MATERIAL MAP

SPECIAL PIECE "Y"

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MATERIAL SUMMARY**DESMET BALLESTRA****Job : 2F11**

ITEM : 65Y1-3-6-7-8-10-11-12-52-53-54-55-56-57-58 - SPECIAL PIECE "Y"

*** ASTM or equivalent material**

Pos.	Description	Type	Thk.	N°.	Material	Trade Mark	Cert. N°.	Heat N°.
1	Reduction	Sheet	3	2	S235JR-AR	Essar Steel LTD	ESH/TC/E/M/HR/2011	D27820
2	Duct	Sheet	3	2	S235JR-AR	Essar Steel LTD	ESH/TC/E/M/HR/2011	D27820
3	Duct	Sheet	3	2	S235JR-AR	Essar Steel LTD	ESH/TC/E/M/HR/2011	D27820
4	Duct	Sheet	3	2	S235JR-AR	Essar Steel LTD	ESH/TC/E/M/HR/2011	D27820
5	Shape	100x150x10	----	4	S235JR	Acciaierie Beltrame	3121	BE131911
6	Flange dia 710	Sheet	8	1	S235JR	Ilva	2009/077465/02	592969
7	Reduction	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020
8	Reduction	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020
9	Reduction	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020
10	Reduction	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020
11	Reduction	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020
12	Round	Dia 6 mm	----	1	S355J2	Acciai Brianza	008271/4	00063847
13	Flange dia 610	Sheet	6	1	S235JR	Ilva	2009/077465/02	592969
14	Reduction	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020
15	Round	Dia 6 mm	----	1	S355J2	Acciai Brianza	008271/4	00063847
16	Reduction	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020
17	Duct	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020
18	Hood for stack	Sheet	3	1	S235JR	Siderurgica Astico	2012/19069	221802
19	Support	Shape 50x50x5	5	8	FE360B	Ferdofin Siderurgica	876	BL 8032
20	Square flexible joint	30x30x3	----	8	FE360B	Siderurgica Ferrero	19411	625440
21	Tie rod	M10x30	----		A193B7	Bulloneria Villa	60682	77131
22	Exagonal nut	M10	----		A194 2H	Bulloneria Villa	60682	74802
23	Reduction	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020
24	Reduction	Sheet	3	1	S235JR+M	Ilva	2010/067057/01	83020

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Material Certificate

It. no	Batch No.	Sizing Details		Cast Analysis								Mechanical Properties							
		Heat No.	Size T x W (mm)	Net Wt. (Mlt.)		C%	Mn%	S%	P%	Si%	Al%	Cu%	N%	Nb+Ti+V%	CE%	UTS MPa	%EL	BEND	
				%	%	%	%	%	%	%	%	%	%	%	1.5 t	1 t	Impact in Joules at 20°C		
01	F27610	B71128	10.00	1000	17.360	0.170	0.950	0.008	0.010	0.045	0.003	0.003	0.005	0.333	305	448	32	OK	
01	P275300ZF	B71129	2.50	1000	16.560	0.160	0.900	0.009	0.008	0.007	0.050	0.003	0.004	0.004	0.313	310	448	30	OK
01	P27525	B71129	2.50	1000	17.300	0.160	0.900	0.009	0.008	0.007	0.050	0.003	0.004	0.004	0.313	310	449	32	OK
01	P27604	B71129	10.00	1000	17.325	0.160	0.900	0.009	0.008	0.007	0.050	0.003	0.004	0.004	0.313	316	447	32	OK
01	P27605	B71129	10.00	1000	17.380	0.160	0.900	0.009	0.008	0.007	0.050	0.003	0.004	0.004	0.313	316	447	32	OK
01	P27606	B71129	10.00	1000	17.455	0.160	0.900	0.009	0.008	0.007	0.050	0.003	0.004	0.004	0.313	316	447	32	OK
01	P27607	B71130	10.00	1000	17.475	0.160	0.900	0.008	0.008	0.007	0.047	0.010	0.004	0.010	0.313	310	445	32	OK
01	P27608	B71130	10.00	1000	17.305	0.160	0.900	0.008	0.008	0.007	0.047	0.010	0.004	0.010	0.313	310	445	32	OK
01	P27609	B71130	10.00	1000	17.360	0.160	0.900	0.008	0.008	0.007	0.047	0.010	0.004	0.010	0.313	310	445	32	OK
01	P27611	B71130	10.00	1000	17.395	0.160	0.900	0.008	0.008	0.007	0.047	0.010	0.004	0.010	0.313	310	445	32	OK
01	P27613	B71130	10.00	1000	17.440	0.160	0.900	0.008	0.008	0.007	0.047	0.010	0.004	0.010	0.313	310	445	32	OK
01	P27620	B71130	10.00	1000	17.300	0.160	0.900	0.008	0.008	0.007	0.047	0.010	0.004	0.010	0.313	310	445	32	OK
01	P27612	B71131	10.00	1000	17.350	0.165	0.930	0.005	0.010	0.008	0.050	0.004	0.004	0.004	0.313	309	446	32	OK
01	P27621	B71131	10.00	1000	17.340	0.165	0.930	0.005	0.010	0.008	0.050	0.004	0.004	0.004	0.323	309	446	32	OK
01	P27622	B71131	10.00	1000	17.380	0.165	0.930	0.005	0.010	0.008	0.050	0.004	0.004	0.004	0.323	309	446	32	OK
01	P27623	B71131	10.00	1000	17.385	0.165	0.930	0.005	0.010	0.008	0.050	0.004	0.004	0.004	0.323	309	446	32	OK
01	P27624	B71131	10.00	1000	17.245	0.165	0.930	0.005	0.010	0.008	0.050	0.004	0.004	0.004	0.323	309	446	32	OK
01	P27625	B71131	10.00	1000	17.670	0.165	0.930	0.005	0.010	0.008	0.050	0.004	0.004	0.004	0.323	309	446	32	OK
01	P27626	B71131	10.00	1000	17.325	0.165	0.930	0.005	0.010	0.008	0.050	0.004	0.004	0.004	0.323	309	446	32	OK
01	P28019	B71131	10.00	1000	18.315	0.165	0.930	0.005	0.010	0.008	0.050	0.004	0.004	0.004	0.323	310	440	32	OK
110	P27616	B71154	10.00	1500	24.020	0.155	0.900	0.011	0.008	0.007	0.041	0.010	0.004	0.005	0.309	312	448	32	OK
110	P27617	B71154	10.00	1500	24.030	0.155	0.900	0.011	0.008	0.007	0.041	0.010	0.004	0.005	0.309	312	448	32	OK
110	P27618	B71154	10.00	1500	24.075	0.155	0.900	0.011	0.008	0.007	0.041	0.010	0.004	0.005	0.309	312	448	32	OK
110	P27619	B71154	10.00	1500	24.070	0.155	0.900	0.011	0.008	0.007	0.041	0.010	0.004	0.005	0.309	312	448	32	OK
110	P27620	B71154	10.00	1500	24.095	0.155	0.900	0.011	0.008	0.007	0.041	0.010	0.004	0.005	0.309	312	448	32	OK
110	P27621	B71154	10.00	1500	24.055	0.155	0.900	0.011	0.008	0.007	0.041	0.010	0.004	0.005	0.309	312	448	32	OK
110	P27622	B71154	10.00	1500	24.075	0.155	0.900	0.011	0.008	0.007	0.041	0.010	0.004	0.005	0.309	312	448	32	OK
110	P27623	B71154	10.00	1500	24.120	0.155	0.900	0.011	0.008	0.007	0.041	0.010	0.004	0.005	0.309	312	448	32	OK
110	P27624	B71154	10.00	1500	23.360	0.170	1.030	0.015	0.016	0.007	0.045	0.005	0.004	0.005	0.345	298	434	32	OK
110	P27625	B71154	10.00	1500	21.280	0.130	0.770	0.009	0.011	0.010	0.035	0.008	0.004	0.006	0.262	309	446	32	OK
110	P27626	C68775	12.00	1250	22.100	0.160	1.050	0.008	0.013	0.005	0.045	0.004	0.004	0.005	0.309	312	448	32	OK
110	P27627	C68775	12.00	1250	22.125	0.160	1.050	0.008	0.013	0.005	0.045	0.004	0.004	0.005	0.309	312	449	32	OK
110	P27628	C68775	10.00	1500	24.085	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27629	C68775	10.00	1500	24.060	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27630	C68775	10.00	1500	24.095	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27631	C68775	10.00	1500	24.070	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27632	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27633	C68775	10.00	1500	24.085	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27634	C68775	10.00	1500	24.095	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27635	C68775	10.00	1500	24.075	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27636	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27637	C68775	10.00	1500	24.095	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27638	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27639	C68775	10.00	1500	24.075	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27640	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27641	C68775	10.00	1500	24.095	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27642	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27643	C68775	10.00	1500	24.075	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27644	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27645	C68775	10.00	1500	24.095	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27646	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27647	C68775	10.00	1500	24.075	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27648	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27649	C68775	10.00	1500	24.095	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27650	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27651	C68775	10.00	1500	24.075	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27652	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27653	C68775	10.00	1500	24.095	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27654	C68775	10.00	1500	24.120	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004	0.321	304	449	32	OK
110	P27655	C68775	10.00	1500	24.075	0.165	0.930	0.006	0.010	0.010	0.040	0.003	0.004	0.004					

Grand Total: 1685,285

1. Test certificate conforms to EN 10204-3. 1. 2. PROCESS ROUTE: EAF-LR/EW/DCCM.

2. The material conforms to the standard rolling & weight tolerances and are in compliance with the following specifications:

~~TRUE COPY~~

Via Don Minzani, 14
200049 CONCORDIA (MI)

COPIA CONFORME
ALL'OGGIO CINCALE
di Vimercati Luigi e C. s.a.s.
via Milano, 44 - VIMERCATE
tel. 039-6693403 - Fax 039-6080657

Page 2 of 2 for IATC NO : ESH/TC/E/M/HR/2011/001857

(13)
(6)

A64		AD1 TIPO DOCUMENTO - TYPE DOCUMENT		AD2 DOCUMENTO N.		AD3 DATA - DATE		AD4 CONFORME - CUSTOMER CONFORMITIES		AD5 CONFORME - CUSTOMER CONFORMITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
IUM SPA - VIALE CERTOVA, 240 - 21041 LAVIANO EDICOLA SICUREZZA ALL'ANTICO - ID DIREZIONE E COORDINAMENTO DI BIBIA, FINE & PA. EN 10204 TIPO 3.1		CERTIFICATO DI COLLAUDO INSPECTION CERTIFICATE		2005/07/24 15/12		03/09/2016		VIA ASTICO N. 44 36030 PARMA VICENTINO VIA ASTICO N. 44 36030 PARMA VICENTINO		VIA ASTICO N. 44 36030 PARMA VICENTINO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
AD6 ORGANIZZAZIONE CONNEMITE - DATA - DATE CUSTOMER ORDER		AD7 PARTECIPANTE - PRODUCT PARTICOLARE CLIENTE CUSTOMER ARTICLE		AD8 CONFERMA ORDER WORK		AD9 LOTTO ITEM		AD10 BUS SPECIE/THICKNESS MIN/MAX		AD11 LARGHEZZA - WIDTH MM/MM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
B01 PRODOTTO - PRODUCT PARTEZI LAMPAZI & CALORI B015272		B02 QUALITY - STEEL GRADE IN 10203 + A11293		B03 14412395		B04 03004		B05 6.000		B06 2000.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
B07 BREVETTO SUPPLEMENTARI/SUPPLEMENTARY REQUIREMENTS ATT. BREVETTO IN IN 10025 01.1		B08 STATE DI FORNITURA - DELIVERY CONDITIONS SECOND INVERNA		B09 STATO DI FORNITURA - DELIVERY CONDITIONS BOS TRATTAMENTO BAGNO - TREATMENT SAMPLER		B10 MARCHI/UNA MARKS		B11 LARGHEZZA - LENGTH MM/MM		B12 MARCHI/UNA MARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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A04	A02 TIPO DOCUMENTO - TYPE DOCUMENT			CERTIFICATO DI CONTROLLO INSPECTION CERTIFICATE EN 10204 TIPO 3.1 (CE)			A03 N DOCUMENTO DOCUMENT N. 2010/067057/01			1002 DATA - DATE 09/10/2010			CONFORME COMPLIES			A05 COMMITTENTE - CUSTOMER SIDERURGICA ASTICO S.p.A. VIA ASTICO N. 44 36030 FARA VICENTINO VI			A06.1																						
A07 ORDINAZIONE COMMITTENTE CUSTOMER ORDER N. 1001015	A08 ARTICOLO CLIENTE CUSTOMER ARTICLE EN 10204 TIPO 3.1 / DATA - DATE 31/03/2010			A09 N CONFERMA ORDER WORK ITEM 16115565			A10 N LOTTO ITEM 0001			A11 SPESSEZZE - THICKNESS MM 1,000			A12 LARGHEZZA - WIDTH INCH 1 INCH			A13 LUNGHEZZA - LENGTH INCH 1 INCH			A14 B06 MARCatura MARKING			A15 B05 TRATTAMENTO SAGGI - TREATMENT SAMPLES																			
B01 PRODOTTO - PRODUCT NASTRI LARGHI A CALDO	B02 QUALITY - STEEL GRADE EN 10225-2 S235J2+M			B03 ESIGENZE SUPPLEMENTARI - SUPPLEMENTARY REQUIREMENTS ATT. ZINCATURA EN 10025 CL. 1			B04 STATO DI FORNITURA - DELIVERY CONDITIONS SECONDO NORMA			B05 TRATTAMENTO SAGGI - TREATMENT SAMPLES																															
COMPOSIZIONE CHIMICA - CHEMICAL COMPOSITION																		PROVE MECCANICHE E TECNOLOGICHE - MECHANICAL AND TECHNICAL TESTS																							
C70 PROCESSO ELABORAZIONE ACCIAIO - STEEL MAKING PROCESS : LD - BOF																		C71 PROVA DI TRACCIONE - TENSILE TEST																							
IDENTIFICAZIONE PRODUCT IDENTIFICATION PRODUCT			C71 C72 C73 C74 C75 C76			C77 C78 C80 C81 C82 C83			C84 C85 C86 C87 C88 C89			C90 C91 C92 C93 C94 C95			C96 C97 C98 C99 C100			C101 C102 C103 C104 C105			C106 C107 C108 C109 C110			C111 C112 C113 C114 C115			C116 C117 C118 C119 C120			C121 C122 C123 C124 C125			C126 C127 C128 C129 C130			C131 C132 C133 C134 C135			C136 C137 C138 C139 C140		
MASSA TEORICA IDENTIF. COLATA CASTN KG			%C %Si %Mn %P			%AI			tNb			tNi			tCr			tC			tMo			tW			tYield			tRm			tA-EL			tRe			tRm		
38230801 23160			0,061 0,008			0,403 0,014			0,014 0,037			0,001 0,000			0,014 0,023			0,013 0,013			50 50			0,001 0,138			2,7 2,7			285 285			410 410			29,0 29,0					
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DESIO (MI) - Via Filippo da Desio, 53
Tel.0362 631145 Fax.0362 301451
E-mail info@acciaibrianza.com

LAMINATI - TRAFILATI - FUCINATI - RETTIFICATI
IN ACCIAI COMUNI E DI QUALITÀ - TAGLI A MISURA

(12)

(15)



Certificato di collaudo

Inspection Certificate

Abnahmerprüfzeugnis

Attestato di controllo

Test Report

Werkzeugnis

EN 10204/04 2.2

Documento n.

Document No 008271/4
Beleg Nr.

Data

Date 27-10-10
Datum

CLIENTE

VIMEFER SNC

VIA MILANO 44

20059 VIMERCATE (MI)

Qualità del materiale

Steel/Stahl

Stato di fornitura

Delivery condition / Lieferzustand

Vs. Ordine

Your Order/Ihr Auftrag

Documento di Trasporto

Transport document/Lieferschein

Numero di Colata Interno

Our Heat number

Chargennummer

Dati identificativi materiale / Material Identification / Materialbeschreibung

S355J2 Laminato

Norma

Norm/Norm

EN 10025-2/04

Stato naturale

Profilo – Dimensione

Shape -Size / Profil -Abmessung

Tondo 6

TEL. 26-10-10

Ns. Conferma

Our confirmation/ Unsere Bestätigung

008260

TRUE COPY
I.C.I. & ASSOCIATES
Via Dott. Mazzoni, 14
20049 CONDIREZZO (MI)

008271 del 27-10-10

Quantità

Quantity / Menge

140.00

00063847

Partita esterna

External lot

55454

Externe Partie

->	Di colata				Analisi chimica				Di prodotto		
	On the heat / Auf der Schmelze				Chemical analysis / Chemische Zusammensetzung				On the product / Auf dem Produkt		
C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	Al %	Pb %	
0,19	0,35	1,30	0,016	0,025				0,18	0,032		
B %	V %	Ca %	Co %	Ti %	W %	Te %	Bi%	Nb%			Cr+Mo+N%

->	Di riferimento		Caratteristiche meccaniche				Di prodotto		
	Reference Test Piece/ Anhaltswerte		Mechanical properties / Mechanische Eigenschaften				On the product / Auf dem Produkt		
Rm (N/mm²)	Rp 0,2 % (N/mm²)	A %	C % (Z%)				Resilienza Impact test / Kerbzähigkeit		
542	347	29,4					Kcu (J) °C	Kv (J) -20 °C	
							129	128	126
Trattamento termico di riferimento		Grandezza grano	Inclusioni non metalliche				Durezza HB		
Reference Heat treatment		Grain Size / Korngrösse	Non metallic inclusions / Nicht-metallische Einschlüsse				Hardness / Härte		
Anhaltswert für Wärmebehandlung		UNI 3245 ASTM E 112							
		8							

Temprabilità Jominy / Jominy test / Stirnabschreckprobe

mm	1,5	3	5	7	9	11	13	15	20	25	30	35	40	45	50
HRC															
mm	1	2	3	4	5	6	7	8	9	10	11	13	15	20	25
HRC															

Controlli non distruttivi / Non-destructive testing / Zerstörungsfreie Prüfungen

Antimescolamento	Controlli Magneticci	Decarburazione	Controllo UT
Antimixing Verm ischungsausschließung	Magnetic test Magnetproben	Decarburization Entkohlung	UT control Ultraschallprüfung
Si/Yes/Ja	Si/Yes/Ja		Norma /Norm /Norm
-> No/No/Nein	-> No/No/Nein		Classe /Class / Klass
			EN 10308
			CL.3

Note / Remarks / Bemerkungen

N.B. I prodotti forniti sono conformi ai requisiti dell'ordine.
The products supplied are in compliance with the requirements of the order

CONTROLLO QUALITÀ
Control Quality / Qualitätsmanagement

Andrea Mascheroni

M. Lucca

18

Acciaieria Arvedi S.p.A.

Sede Legale:
Via Donizetti, 20
20122 Milano

Sede Amministrativa e Stabilimenti:
Via Acquaviva, 18
26100 Cremona - Italia
Tel. +39 0372 4781
Fax +39 0372 478259

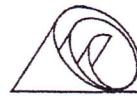
Via Alberto da Giussano, 11
20011 Corbetta - MI
Tel. +39 02 972351

Cap.Soc. 30.000.000 EUR i.v.
Società interamente controllata
da Finarvedi S.p.A.

Part. IVA IT 11852670154
Cod.fisc. 00910070192
Reg.Imp.MI 00910070192
REA MI 1497770

e-mail vendite@ast.arvedi.it
www.arvedi.it

AcciaieriaArvedi



Certificato di collaudo

Spett.le SIDERURGICA ASTICO S.P.A.
VIA ASTICO

36030 FARA VICENTINO

VI

Numero	2012 / 19069	data	06/04/2012	EN 10204	3.1
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Rif. conferma ordine	2012 / A / 26697 / 10	Vostro ordine	120060
Prodotto fornitore	Coil NERO 1500x3,00 S235JR	Marca acciaio	S235JR
spess.	3	larg.	1500
norma	UNI EN 10025-2		

Prove meccaniche e tecnologiche

Prova	Rm Mpa	Al%	Re Mpa
minimo	360,	24,	235,
massimo	510,		

lotto	colata	qtà	spedizione	valori					
-722180205	221802	TON 24,553	2012/VE/34023097/ 900015	Rm Mpa	371,3	Al%	30,2	Re Mpa	314,9
-722180206	221802	TON 24,552	2012/VE/34023097/ 900016	Rm Mpa	390,6	Al%	30,3	Re Mpa	320,9

Analisi chimica

elemento	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Sn	Al	Ceq
minimo												
massimo	0,17	1,4	0,03	0,035	0,035				0,55			0,37

colata	valori											
221802	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Sn	Al	Ceq
	0,0446	0,1089	0,0272	0,0061	0,0014	0,0752	0,1085	0,032	0,2566	0,0144	0,0345	0,1085

Note

- Certifichiamo che:
- 1- L'acciaio usato è elaborato al forno elettrico (E) e ha grado di disossidazione FF
 - 2- I prodotti sopra elencati sono conformi alle specifiche dell'ordine
 - 3- Il controllo della marcatura, dell'identificazione, dell'aspetto della superficie, della forma e delle caratteristiche dimensionali è soddisfacente.
 - 4- Nelle prove di trazione sono state usate solo provette prismatiche.

METALLURGIA QUALITA'

Firma

TRUE COPY
I.C. MERONI MICHELE
Via Don Minzoni, 14
20040 CONCOREZZO (MI)

Mod. 10.02

Rev. 1 del 1/11/2005

Azienda con sistema di
gestione certificato da IGQ
secondo ISO 9001



1608
Cert.n.1608 CPD P054

Arvedi

Pagina 1 di 1



**SIDERURGICA
FERRERO** s.p.a.

Sede legale: C.so Vittorio Emanuele II, 108
10121 Torino
Direzione e uffici: Via G. Galilei, 26
10036 Settimo Torinese (TO)
Tel. 39-11-80201 FAX 39-11-8979340

CERTIFICATO DI COLLAUDO

In conformità a: EN 10204 3.1.B.

CERTIFICATO N°

19411

DATA

date

datum

date

Certificat de réception

Abnahmeprüfzeugnis

Inspection certificate

FORNITURA N°

Forniture n°

Lieferung n° CA01063

Supply n°

DATA

date

datum

date

CLIENTE:
Client VIMEFER DI VIMERCATI LUIGI & C. SNC
Kunde VIA MILANO, 44
Purchaser 20059 VIMERCATE * (MI)



CERTIFICAZIONI / OMologazioni



Rif. ordine -Cde - Bestellnummer - P.O.

131A7019

IDENTIFICAZIONE del PRODOTTO Identification du produit Material bezeichnung Product identification	COLATA Coulée Schmelze Heat	C	Mn	Si	P	S	Re N/mm ² Rm N/mm ²	A %
"U" FE 360 B 6M 65X42X5,5	720167	0,1200	0,7300	0,2200	0,0080	0,0230	321,15 469,24	34,00
TONDO FE 360 B 6M 25	602415	0,1200	0,6500	0,1700	0,0120	0,0220	326,33 461,43	35,00
PIATTO FE 360 B 6M 30X05	624998	0,1000	0,6200	0,2100	0,0100	0,0160	321,29 449,81	37,14
PIATTO FE 360 B 6M 40X12	625719	0,1200	0,7200	0,2500	0,0070	0,0150	345,72 443,91	36,80
PIATTO FE 360 B 6M 50X08	625745	0,1000	0,7000	0,2600	0,0120	0,0250	320,59 440,18	36,00
ANGOLARE FE 360 B 6M 100X100X10	720506	0,1300	0,7800	0,1900	0,0130	0,0240	318,09 457,90	36,00
ANGOLARE FE 360 B 6M 20X20X3	650588	0,1200	0,6500	0,1500	0,0160	0,0240	294,64 433,04	36,67
ANGOLARE FE 360 B 6M 30X30X3	625440	0,1200	0,7100	0,2000	0,0130	0,0310	330,46 468,27	34,00
ANGOLARE FE 360 B 6M 30X30X5	720406	0,1600	0,6000	0,1800	0,0360	0,0180	323,74 442,45	36,84
ANGOLARE FE 360 B 6M 60X60X8	523255	0,1300	0,6000	0,2000	0,0130	0,0210	347,73 468,75	35,00

TRUE COPY
I.C.I.
di MERONI MICHELE
Via Don Minzolini, 14
20049 CONCOREZZO (MI)

VIMEFER
di VIMERCATI LUIGI & C. s.n.c.
Via Milano, 44 - VIMERCATE
Cod. Fis. 04312430162
Partita IVA 01346500960

NOTE :

P.I. Giovanni Chmet
RESPONSABILE CONTROLLO QUALITÀ
Responsable du Contrôle de la Qualité
verantwortliche Qualitätskontrolle
Quality chief

BULLONERIA VILLA



50 ANNI
1946 - 1996

(21)

(22)

BULLONERIA VILLA S.p.A.

CAPITALE SOC. 200.000.000 INT. VERSATO

20151 MILANO - VIA GALLARATE, 141

Ufficio Vendite: - Stab.: Tel. (02) 38006529 - 38006533 - 308.72.71

Amministrazione: Telefono (02) 38006356 - Telefax 02/3084962

CERTIFICATO CERTIFICATE EN 10204/DIN 50049-3.1b

Nr. 60682

data/date

Vostro ord./Your order

Nr. FAX

data/date

Ns. Bolla/Delivery note

Nr. 601260

data/date

Cliente/Customer

I.C.I. di Moroni Michele

VIA DON MINZONI N. 14

20049 CONCOREZZO MI

Materiali e valori conformi alle norme ASTM

Materials and values in conformity with standards ASTM

pos/item.	Materiale/Materials	Descrizione/Description	Misure/Sizes	Quantità/Quantity
1)	ASTM A193/B7	TIRANTI t.f.	M 10 x30	N. 36
2)	ASTM A194/2H	DADI ♂ UNI 5587	M 10	" 72

TRUE COPY
I.C.I. di MORONI MICHELE
Via Don Minzoni, 14
20049 CONCOREZZO (MI)

ANALISI CHIMICA/CHEMICAL ANALYSIS

		% C	% Mn	% Si	% P	% S	% Ni	% Cr	% Mo	Al % Ti
Req.	Min									
Req.	Max									
p/i	Colata/Heat									
1)	77131	0,428	0,780	0,213	0,0060	0,0280		1,000	0,177	0,027
2)	74802	0,430	0,938	0,239	0,0050	0,0100				

CARATTERISTICHE MECCANICHE/MECHANICAL PROPERTIES

	R MPa - N/mm ²	Rs 0.2 MPa - N/mm ²	A %	Z %	HB min. max	HB ⁺ 24 h.	Impact test Kv J - 101 °C	Proof. Lb
Required								
pos/item								
1)	978,9	802,7	17,3	53,4	292/300			
2)					285/306-240*			POSIT

Note: VISUAL DIMENSIONAL TEST = SATISFACTORY

Heat treat. QUENCHED TEMPERED

BULLONERIA VILLA SpA
Quality Control!

BULLONERIA VILLA S.p.A.
Dip. Amministrativo-Direttivo

[Signature]