

13/30261

2" X S 600# W N R F FLANGE

P.O. 134729


METALFAR
 PRODOTTI INDUSTRIALI S.P.A.

STAMPAGGIO A CALDO DI ACCIAI COMUNI - LEGATI E INCOSSIDABILI

SEDE AMMINISTRATIVA E STABILIMENTO:

 Z3661 CESANA BRIANZA (LC) - Italy
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 Fax +39 031.655149
 quality.mff@lammas.com

 COMPANY WITH
 QUALITY SYSTEM
 CERTIFIED BY DNV
 = ISO 9001 =

CERTIFICATO DI COLLAUDO SECONDO EN 10204 - 3.1 INSPECTION CERTIFICATE

Certif. N. 1900 DDT / Del Nota N. 1588	Del/Dated 09.04.2014 Del/Dated 09.04.2014	Fattura / Invoice N. 1423 Ns.Ord. / Our ref. N. 0	Del/Dated 09.04.2014 Del/Dated
DNOV CANADA ULC.		Dest: DNOV Canada ULC.	
1800, 635 - 8TH Avenue S.W. T2P 3M3 CALGARY, ALBERTA		2603 - 76 Avenue T6P 1P6 EDMONTON, ALBERTA	
CA		CA	

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COD. COL.	COLATA	POS.	VS. ORDINE	Q.TA'	DESCRIZIONE	DIM. IN ACC. A										VISIVO E DIMENS.		
HEAT CODE	HEAT	ITEM	YOUR REFERENCE	Q.TY	DESCRIPTION	DIM. ACCORDANCE TO										VIS. & DIMENS.		
	13/30261	117	3363747-OR-2100	243,00	W/N 600 RF 2" XS A105N	ASME/ANSI B16.5 -2013										SATISFACTORY		
MATERIALE / MATERIAL			C%	Si%	Mn%	S%	P%	Cr%	Ni%	Mo%	Ti%	Cu%	V%	Nb%	N%	Al%	C.E.%	B %
ASTM A105 (LADLE)			0,190	0,240	0,970	0,009	0,008	0,090	0,060	0,010	0,018	0,120	0,003	0,001	0,009	0,029	0,384	0,000
PROVETTA / TEST SPECIMEN	SEZ. mm2	LUNG. mm	FORMA	SNERVAMENTO	ROTTURA	ALLUNGAMENTO	CONTRAZIONE	DUREZZA	RESILIENZA / IMPACT TEST - JOULE/cm2						SNERVAMENTO	No. REF.		
SECT. mm2	SECT. mm2	LENGTH mm	SHAPE	YIELD POINT	TENSILE STRENGTH	ELONGATION	REDUCTION OF AREA	HARDNESS	TIPO / TYPE 10x10mm °C						YIELD POINT	OUR REF.		
126,60	50,80	1	1-0 2-□	N/mm2 >=0,2%	N/mm2 >=	%>=	%>=	HBW	KV						N/mm2 >=1,0%	0,0		
MATERIALE IN ACCORDO A / MATERIAL IN ACC. TO							TRATTAMENTO TERMICO / HEAT TREATMENT							FORNO / FURNACE			ORIGINE / ORIGIN OF STEEL	
ASTM/ASME A 105/SA 105 M - 13 ASME CODE SECT. II, PART A, ED. 2013							NORMALIZED AT 920 C - COOLED IN STILL AIR							ELECTRIC FURNACE			EUROPEAN UNION	
NACE MR-0175/2009 ISO 15156 - SOUR SERVICE																		
NACE MR-0103/2012 - SOUR SERVICE																		
Q.A.S. IN ACCORD. WITH PRESS. EQUIPM. DIRECT. 97/23/EC (PED) ANNEX																		
I, PARAGRAPH 4.3 CERT. MLN 0531016/01																		
CSA CAN3 Z245.12-09 GRADE 290 CAT. I SOUR SERVICE																		

COD. COL.	COLATA	POS.	VS. ORDINE	Q.TA'				DESCRIZIONE	DIM. IN ACC. A								VISIVO E DIMENS.		
HEAT CODE	HEAT	ITEM	YOUR REFERENCE	Q.TY				DESCRIPTION	DIM. ACCORDANCE TO								VIS. & DIMENS.		
	13/30261	117	3363747-OR-2100	390,00				W/N 600 RF 2" XS	A105N				ASME/ANSI B16.5 -2013				SATISFACTORY		
MATERIALE / MATERIAL			C%	Si%	Mn%	S%	P%	Cr%	Ni%	Mo%	Ti%	Cu%	V%	Nb%	N%	Al%	C.E.%	B %	
ASTM A105 (LADLE)			0,190	0,240	0,970	0,009	0,008	0,090	0,060	0,010	0,018	0,120	0,003	0,001	0,009	0,029	0,384	0,000	
PROVETTA / TEST SPECIMEN	FORMA	SNERVAMENTO		ROTTURA	ALLUNGAMENTO	CONTRAZIONE		DUREZZA		RESILIENZA / IMPACT TEST - JOULE/cm2					SNERVAMENTO		No. REF.		
SEZ. mm2	SHAPE	YIELD POINT		TENSILE STRENGTH	ELONGATION	REDUCTION OF AREA		HARDNESS		TIPO / TYPE 10x10mm					YIELD POINT		OUR REF.		
SECT. mm2	1-0 2-□	N/mm2 >=0,2%		N/mm2 >=	%>=	%>=		HBW		KV					N/mm2 >=1,0%				
126,60	50,80	357,0		509,0	30,0	61,0		150,0 - 154,0		20 92 84 89					0,0				
MATERIALE IN ACCORDO A / MATERIAL IN ACC. TO								TRATTAMENTO TERMICO / HEAT TREATMENT								FORNO / FURNACE		ORIGINE / ORIGIN OF STEEL	
ASTM/ASME A 105/SA 105 M - 13 ASME CODE SECT. II, PART A, ED. 2013								NORMALIZED AT 920 C - COOLED IN STILL AIR								ELECTRIC FURNACE		EUROPEAN UNION	
NACE MR-0175/2009 ISO 15156 - SOUR SERVICE																			
NACE MR-0103/2012 - SOUR SERVICE																			
Q.A.S. IN ACCORD. WITH PRESS. EQUIPM. DIRECT. 97/23/EC (PED) ANNEX																			
I, PARAGRAPH 4.3 CERT. MLN 0531016/01																			
CSA CAN3 Z245.12-09 GRADE 290 CAT. I SOUR SERVICE																			

 NOTE 100% MANUFACTURED IN ITALY
 NOTES MANUFACTURING IN ACCORDANCE WITH ORDER AND SPECIFICATION

 UFFICIO CONTROLLO QUALITA'
 QUALITY CONTROL DEPARTMENT

 ENTE UFFICIALE DI COLLAUDO
 INSPECTION AUTHORITY

 MARCHIO PRODUZIONE
 MANUFACTURER'S SYMBOL

