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Raccordi in acciaio per impianti ad alta pressione
Steel fittings for high pressure plants

CLIENTE / Purchaser SAMIC SRL	CERTIFICATO DI COLLAUDO Works certificate EN 10204 3.1.B	Foglio Sheet 1
ORDINE / Order VARI	N. 1959 DEL / OF 03/05/2002	

ITEM Item	QUANTITÀ Quantity	DESCRIZIONE / Description	COLATA Heat	MATERIALE Material	CERTIF. ORG. Mater. certif.	ACCIAIERIA / FORNITORE Steel plant / Supplier
16	20	RED. COUP. 2.1/2 x 1.1/2 3000 SM F22 010430RD120R0	58369A	A182 F22	2425/2527	STEEL SCAL
20	20	CAP 1/2 3000 NPT F316L	071373	A182 F316L/316	10601/2033	WOLFE SAYOT
21	15	ELBOM 90° 1.1/2 3000 SM F316L	23446	A182 F316L/316	979/2879	ACC. VALBRUNA
22	20	ELBOM 45° 1 6000 SM A105	59819	A105	31708/9NN	PAPANI ACC.
23	21	ELBOM 90° 1 6000 SM A105	3011720	A105	110/355.1	H.N.B.
24	5	RED. COUP. 2.1/2 x 2 3000 SM A105	2FDF	A105	1371/714.1	H.N.B.
25	22	RED. COUP. 2 x 1.1/2 6000 SM A105	C 8T	A105	8969/736.1	I.N.S.
26	12	COUPLING 1.1/2 3000 SM A105	108764	A105	15653/2794	ACC. VALBRUNA
27	6	COUPLING 2 3000 SM A105	34189	A105	12151/2611	LUCCINI

ANALISI CHIMICA - Chemical Analysis

COLATA Heat	C %	Mn %	Si %	P %	S %	NI %	Cr %	Mo %	TI %	V %	Cu %	Al %	Nb %	N %	%	%	C.E. %
58369A	0.113	0.51	0.27	0.014	0.002		2.22	0.940									
071373	0.023	1.33	0.54	0.030	0.022	11.09	16.40	2.040						0.029			
23446	0.012	1.52	0.47	0.020	0.025	10.43	16.03	2.020						0.070			
59819	0.180	0.97	0.18	0.020	0.020	0.07	0.09	0.010		0.002	0.220	0.005	0.001				0.38
3011720	0.180	0.88	0.20	0.010	0.009	0.08	0.08	0.010		0.001	0.180	0.012	0.002				0.34
2FDF	0.195	0.87	0.26	0.009	0.01	0.04	0.04	0.010		0.002	0.120	0.005	0.001				0.35
C 8T	0.205	1.05	0.22	0.013	0.019	0.08	0.07	0.010		0.020	0.140	0.005	0.001				0.41
108764	0.186	1.01	0.22	0.009	0.005	0.12	0.08	0.026		0.001	0.226	0.039	0.002				0.40
34189	0.170	1.10	0.23	0.016	0.004	0.04	0.11	0.004		0.002	0.011	0.023	0.003				0.38

CARATTERISTICHE MECCANICHE - Mechanical Test

COLATA Heat	R Tensile Strength N/mm²	S Yield Point N/mm²	A: 2" Elongation %	C Reduction of area %	Bending Test	Flattening Test	Hydraulic Test	HB Hardness test	K Impact test J	Temp. °C	STATO DI FORNIT. (TRATT. TERM.) Supply cond. (heat treatment)	TEMP. °C	NOTE Remarks
58369A	590	447	26.0	70.0				180 182			NORM. & TEMPERED	730	
071373	595	280	58.0	70.0							SOL. HEAT TREAT.	1050	
23446	574	258	67.0	77.0							SOL. HEAT TREAT.	1060	
59819	511	317	32.7	57.0				152 154					
3011720	499	342	30.0	57.0				146 149					
2FDF	501	311	33.3	58.2				152 152					
C 8T	540	333	55.4	63.0				166 166					
108764	538	385	25.0	65.0				158 158					
34189	508	337	20.2	55.5				152 152					

NATURA DEL MATERIALE / Kind of material

NOTE / Remarks

Acciaio elaborato al forno elettrico
Steel made by electric furnace

COLLAUDI INTERNI / Works inspection

RESULT
Result

COLLAUDI SUPPLEMENTARI / Supplementary tests

RESULT
Result

Visivo/dimensionale
Visual/dimensional

O.X.
O.K.

I VALORI CHIMICI E MECCANICI RIPORTATI NEL PRESENTE CERTIFICATO SONO QUELLI DICHIARATI NEI RELATIVI CERTIFICATI DI ACCIAIERIA E/O CERTIFICATI DI PROVE DEL FORNITORE.
Chemical and mechanical values indicated in this certificate are those stated in the relevant mill certificate and/or supplier's test certificate.

ENTE COLLAUDATORE / Inspection agency

RESPONSABILE QUALITÀ / Quality Manager

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