

**CERTIFICATO DI COLLAUDO**  
TEST CERTIFICATE  
CERTIFICAT DE CONTROLE

 COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
— ISO 9001 —

 ORDINE 223  
Purchase order  
Commande

 COMMESSA 85402  
Job N.  
Confirmation de commande

PROVA Test Epreuve	MATERIALE Steel quality / Matière	COLATA Heat / Coulée	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
KDSA	ASTM A105/05	0835650708	0.185 --->	0.250 Nb%=0.0027	1.100	0.002	0.011	00.12	00.01	0.002	0.000	0.022	0.004	0.030 CEs=	0.395 0.368
RNUA	ASTM A105/05	0745421/07	0.180 --->	0.230 Nb%=0.0022	1.050	0.002	0.020	00.12	00.02	0.014	0.000	0.027	0.003	0.030 CEs=	0.385 0.355
RNUB	ASTM A105/05	063498406	0.180 --->	0.245 Nb%=0.002	1.070	0.003	0.018	00.06	00.09	0.003	0.000	0.045	0.004	0.035 CEs=	0.380 0.358
RWDD	ASTM A105/05	07/75392	0.190 --->	0.220 Nb%=0.000	0.880	0.009	0.009	00.07	00.05	0.010	0.023	0.160	0.020	0.026 CEs=	0.370 0.336
KDFB	ASTM A105/05	0834828/08	0.175 --->	0.270 Nb%=0.0034	1.090	0.003	0.017	00.26	00.02	0.006	0.000	0.031	0.003	0.033 CEs=	0.413 0.356
FCXU	ASTM A105/02	15747	0.217 --->	0.230 Nb%=0.001	0.950	0.002	0.014	00.11	00.15	0.020	0.004	0.110	0.004	0.019 CEs=	0.419 0.3753

PROVA Test Epreuve	PROVETTA Test specimen / Epreuvette			SNERVAMENTO N/mm <sup>2</sup> ≥ Yield point Limite d'élasticité	ROTTURA N/mm <sup>2</sup> ≥ Tensile strength Rupture	ALLUNGAMENTO % ≥ Elongation Allongement	CONTRAZIONE % ≥ Reduction of area Striction	DUREZZA HB Hardness Dureté	PIEGA Bend test Pliage	SCHIACC. Flatt. test Aplattiss.	RESILIENZA Impact test / Résilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur	UNITÀ MIS. Unit system								TIPO Type	T. °C Test tmp	VALORE / Value / Données	
KDSA	1	60.1	35.0	303.0	518.0	31.5	68.6	143-149			J	KV	0	48-48-50
RNUA	1	30.6	25.0	301.0	522.0	31.4	68.2	143-152			J	KV	0	48-52-50
RNUB	1	30.6	25.0	332.0	542.0	28.4	63.5	159-167			J	KV	0	52-58-50
RWDD	1	60.1	35.0	300.0	520.0	31.0	68.0	143-146			J	KV	0	50-48-52
KDFB	1	122.6	50.0	304.0	512.0	31.2	68.4	143-149			J	KV	0	48-58-50
FCXU	1	30.6	25.0	322.0	534.0	29.6	67.4	150-156			J	KV	0	44-58-50

PROVA Test Epreuve	NOTE / Remarks / Notes	EN10204/3.1	FORMA Shape / Forme : 1 = <input checked="" type="checkbox"/> 2 = <input type="checkbox"/>
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KDSA	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10000.MEGA/I*551893 MEGA*
RNUA	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9587.MEGA/I*545572MEGA*
RNUB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9485.MEGA/I*543781MEGA*
RWDD	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9691.MEGA/I*546906MEGA*
KDFB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9943.MEGA/I*551015 MEGA*
FCXU	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10257.04 METALM.LOMB.*247523 MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
KDSA	059	5000	60010	90 DEG. ELBOW S. 3000 SW A/SA105N 1	OK
RNUA	060	14	60012	90 DEG. ELBOW S. 3000 SW A/SA105N 1.1/4	OK
RNUB	060	40	60012	90 DEG. ELBOW S. 3000 SW A/SA105N 1.1/4	OK
RWDD	060	446	60012	90 DEG. ELBOW S. 3000 SW A/SA105N 1.1/4	OK
KDFB	062	1500	60020	90 DEG. ELBOW S. 3000 SW A/SA105N 2	OK
FCXU	073	2000	63007	UNION S. 3000 SW A/SA105N 3/4	nut OK

NOTE / Remarks / Notes	ENTE UFFICIALE DI COLLAUDO Inspection Authority Service Inspection Official	CAPO COLLAUDO Chief Inspection DPT Responsable assurance qualité
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MATERIAL ACCORDING TO NACE MR0175/ 2003.

DOC. CERT. M.E.G.A.  
Lucia Marcati