

# M.E.G.A.

CLIENTE  
Customer  
Client

PROVEEDORA DE MATERIALES ANKER  
SA DE CV  
ALFONSO REYES 4030 NTE.  
COL. DEL NTE. MONTERREY, N.L.

CERTIFICATO N. 554255 FOGLIO 1  
Certificate N. Sheet  
Certificat N. Feuille

DATA / Date 06/11/08

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 %
RUXU	ASTM A105/05	48134	0.140 --->	0.200	0.930	0.004	0.010	00.10	00.05	0.010	0.000	0.100	0.003	0.000	0.327 CEs= 0.295
KFSC	ASTM A105/05	08/72388	0.185 --->	0.180	0.930	0.010	0.008	00.08	00.05	0.010	0.021	0.120	0.017	0.022	0.372
KDLX	ASTM A105/05	0745420/07	0.180 --->	0.230	1.090	0.001	0.010	00.10	00.01	0.006	0.000	0.029	0.003	0.044	0.386 CEs= 0.361
KDUF	ASTM A105/05	0633873/06	0.180 --->	0.255	1.060	0.002	0.012	00.11	00.02	0.007	0.000	0.026	0.003	0.029	0.383 CEs= 0.356
RUAC	ASTM A105/05	0743768/07	0.185 --->	0.240	1.070	0.003	0.009	00.12	00.02	0.009	0.000	0.038	0.003	0.033	0.393 CEs= 0.363
HF17	ASTM A105/05	0834881/08	0.240 --->	0.160	0.720	0.027	0.008	00.09	00.07	0.011	0.000	0.230	0.000	0.034	0.405 CEs= 0.376

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
RUXU	1	30.5 25.0	312.1	486.8	36.4	72.0	145-155			J	KV	0	266-292-296
KFSC	1	30.6 25.0	302.0	512.4	31.0	68.0	146-150			J	KV	0	48-50-54
KDLX	1	30.6 25.0	304.0	518.0	30.8	68.4	143-149			J	KV	0	48-48-44
KDUF	1	30.6 25.0	303.0	519.0	31.5	69.3	143-149			J	KV	0	46-38-38
RUAC	1	30.6 25.0	290.0	501.0	33.2	71.1	149-156			J	KV	0	54-50-56
HF17	1	30.6 25.0	304.0	512.0	32.4	68.9	143-149			J	KV	0	44-48-48

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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RUXU	ELECT.FURNACE-NORMALIZED AT 850 C COOLED IN STILL AIR. /CERT.22898/1-4.MANNEMSAN*544731MEGA*NDE:OK*
KFSC	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.154.EVASI*550444MEGA*
KDLX	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9918.MEGA/I*551015 MEGA*
KDUF	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10011.MEGA/I*552204 MEGA*
RUAC	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9595.MEGA/I*546059MEGA*
HF17	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9954.MEGA/I*551893 MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
RUXU	040	506	54020	COUPLING S. 3000 NPT A/SA105N 2	OK
KFSC	052	500	58085	BUSHING M/F NPT A/SA105N 2x1.1/2	OK
KDLX	057	1882	60005	90 DEG. ELBOW S. 3000 SW A/SA105N 1/2	OK
KDUF	057	190	60005	90 DEG. ELBOW S. 3000 SW A/SA105N 1/2	OK
RUAC	057	1928	60005	90 DEG. ELBOW S. 3000 SW A/SA105N 1/2	OK
HF17	058	4000	60007	90 DEG. ELBOW S. 6000 SW A/SA105N 3/4	OK

NOTE / Remarks / Notes	ENTE UFFICIALE DI COLLAUDO Inspection Authority Service Inspection Officiel	CAPO COLLAUDO Chief Inspection DFT Responsable assurance qualité
MATERIAL ACCORDING TO NACE MR0175/ 2003.		DOC. CERT. M.E.G.A. Luca Morganti