

REPORT N. Rapporto N.	TC-017374-16-0002	Issued on Emesso il	13/05/2016	Customer Cliente	PROVEEDORA DE MATERIALES ANCR SA DE CV, AV ADOLFO LOPEZ MATEOS 150, COL LAGRANGE, SAN NICOLAS DE LOS GARZA, N.L. - 66490, MEXICO	Job n. / Com. n.	17374	Page n. / Pagina n.	7 of 10
Revision Revisione	0	According to In accordo a	EN 10204:2004 UNI EN 10204:2005	Type Tipo	3.1	Purchase order and project/Ordine e progetto 340			

DESCRIPTION / DESCRIZIONE						
Test Prova	Item Pos.	Qty Q.tà	Customer code Codice cliente	Material Materiale	Heat Colata	Product Prodotto
SCSN	48	1000		A/SA105-14	225663	HEX. HEAD PLUG NPT A/SA105N 2
YLTU	50	750		A/SA105-14	13/77992	90 DEG. ELBOW S. 3000 SW A/SA105N 1.1/2
YNXN	51	600		A/SA105-14	15/77270	90 DEG. ELBOW S. 3000 SW A/SA105N 2
YLTD	56	250		A/SA105-14	P3131335953	45 DEG. ELBOW S. 3000 SW A/SA105N 2
SCND	57	120		A/SA105-14	223294	TEE S. 3000 SW A/SA105N 1

Test Prova	HEAT TREATMENT DATA AND REFERENCES TO OTHER CERTIFICATES / Dettagli di trattamento termico e riferimenti ad altri certificati										RAW AND FORGING MATERIAL CERTIFICATES / Certificati di acciaieria/forgia				
SCSN	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.										CERT.000247.EVASI*				
YLTU	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 880 C COOLED IN STILL AIR.										CERT.FC-005265-15-0022.MEGA/CERT.2147.MEGA*				
YNXN	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 880 C COOLED IN STILL AIR.										CERT.FC-005329-15-0018.MEGA/CERT.2564.MEGA*				
YLTD	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 880 C COOLED IN STILL AIR.										CERT.FC-005265-15-0012.MEGA/CERT.2030.MEGA*				
SCND	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.										CERT.000116.EVASI*				

Test Prova	Test loc. Preso a	Orient. Direz.	TENSILE TEST AT ROOM TEMPERATURE / Trazione a temperatura ambiente							CVN (KV) / Prova di resilienza					Bend [B] Flatt. [F] Piega Schiacc.	Hardness Durezza
			Specimen / Provino			Yield strength	Tensile strength	Elongation	Red. Of Area	Dimens.	T	Abs. Energy	Shear A	Lat Exp		
			Shape Forma	A [mm ²] Sezione	L [mm] Lungh.	Snerv. [Mpa] Min:	Rottura [Mpa] Min:	Allung. [%] Min:	Contraz. [%] Min:	Dimens. [mm]	Temp. [°C]	Energia ass. [J]	Area d [%]	Esp. Lat. [mm]		
SCSN	T/2	LONG	Round	58.900	35.000	340.100	517.100	43.800	76.600	10x10x55	0	201-201-188	--	--		HBW 141-143
YLTU	T/2	LONG	Round	30.300	25.000	278.100	507.000	35.600	66.400	10x10x55	-1	106-82-68	--	--		HBW 147-149
YNXN	T/2	LONG	Round	59.700	35.000	295.800	508.400	33.900	66.100	10x10x55	-1	64-57-88	35-30-45	--		HBW 150-152
YLTD	T/2	LONG	Round	30.900	25.000	264.800	487.300	34.800	64.600	10x10x55	0	133-157-125	--	--		HBW 140-141
SCND	T/2	LONG	Round	60.000	35.000	338.800	535.100	38.900	66.900	10x10x55	0	105-140-107	--	--		HBW 146-148

Test Prova	C [%]	Si [%]	Mn [%]	S [%]	P [%]	Cr [%]	Ni [%]	Mo [%]	Ti [%]	Cu [%]	V [%]	Al [%]	H [%]	Nb [%]	N [%]	Sn [%]	O [%]	B [%]	Fe [%]	Zr [%]	CE ^A [%]	PREN ^B [%]	X fact. ^C [%]	J fact. ^D [%]	
SCSN	0.1620	0.1640	1.0020	0.0060	0.0070	0.0990	0.1140	0.0190		0.1580	0.0030	0.0280		0.0010	0.0088	0.0060						0.3713			
YLTU	0.1950	0.2000	0.9500	0.0090	0.0150	0.1300	0.0500	0.0100	0.0220	0.1600	0.0020	0.0320	0.00024	0.0010	0.0092	0.0080	0.0017					0.3957			
YNXN	0.1850	0.1900	1.0400	0.0040	0.0150	0.1500	0.0600	0.0100	0.0190	0.2000	0.0020	0.0280	0.00021	0.0010	0.0090	0.0100	0.0012					0.4080			
YLTD	0.1700	0.2500	1.0700	0.0010	0.0090	0.1650	0.0220	0.0050		0.0440	0.0040	0.0250	0.00015	0.0031	0.0053		0.0011	0.0003				0.3875			
SCND	0.1720	0.1910	1.0420	0.0040	0.0080	0.1060	0.1070	0.0260		0.1000	0.0050	0.0280		0.0030	0.0082	0.0050		0.0004				0.3868			

REMARKS / Note	
1: MATERIAL ACCORDING TO NACE MR0175/ISO 15156-1-2-3 Ed.2009 2: MATERIAL ACCORDING TO ASME Sect. II Part. A 2015 Edition. 3: FULLY KILLED STEEL AND FINE GRAIN TREATED	A: CE = C + Mn/6 + (Cr+Mo+V)/5 + (Cu+Ni)/15 B: PREN = Cr + 3.3Mo + 16N C: X factor = (10P + 5Sb+4Sn+As)/100 - elements expressed in ppm D: J factor = ((Mn + Si) (P + Sn)) x 10E4 Quality inspector representative Ispettore controllo qualità

Riccardo Scorsetti

Additional elements: 'SCSN': As 0,0050 | 'SCND': As 0,0040 |