

Sold To: SUPERIOR SUPPLY AND STEEL
 PO BOX 2388
 SULPHUR, LA 70664
 Ship To: SUPERIOR SUPPLY & STEEL
 318 CITY SERVICE HIGHWAY
 SULPHUR, LA 70663
 Customer #.: 808 - 1
 Customer PO: P019415001
 B.O.L. #.: 1339633
 MOS: T

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-17a and A370. Quality Manual Rev #5 (11-9-17).
 AASHTO : M270-345M270-50-15
 ASME : SA-36 13
 ASTM : A992-11(15)/A36-14/A529-14-50/A572 50 18/A709-36-17/A709-50-17
 CSA : G40.21-44w/G40.21-50w/G40.2150WM/G402150WMT

Part #	Description	Heat#	Grade(s)	Test/Heat	JW	Yield/Tensile Ratio	Yield (PSI)	Tensile (MPa)	Elong %	C	Cr	Mn	Mo	Ti	P	Sn	S	B	Si	V	N	Cu	Nb	Ni	CE1	CE2	Pcm	Inv#:			
																												CE1	CE2		
C12X20.7	020' 00.00"	2804164	A992-11(15)			.82	59600	72500	25.50	.07	.04	1.01	.01	.001	.010	.0067	.021	.0002	.22	.004	.0055	.14	.027	.04	.26	.3021	.1382	0	3.60	0	
M6X4.4	020' 00.00"	1806055	A529-14-50			.92	77500	83800	17.18	.07	.04	.85	.01	.001	.016	.0052	.026	.0002	.23	.003	.0051	.09	.009	.03	.23	.2703	.1293	0	2.74	0	
M152X6.5	006.0960m	79100	84800			.93	79100	84800	17.28																						
S5X10	020' 00.00"	2802133	A992-11(15)			.82	56600	69100	23.39	.07	.03	.82	.01	.001	.007	.0052	.016	.0001	.19	.003	.0058	.08	.027	.03	.22	.2605	.1257	0	2.49	0	
S130X15	006.0960m	57100	69000			.83	57100	69000	23.09																						

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. "All mechanical testing is performed by the Quality testing lab, which is independent of the production departments"
 CE1 = C+(Mn/6)+((Cr+Mo+V)/5)+((Ni+Cu)/15)
 CE2 = C+((Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)

I hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with material specifications, and when designated by the Purchaser, meet applicable specifications.
 Bruce A. Work
 Metallurgist/
 Quality Control