

HAIYAN H&C ALL THREADED MANUFACTURING CO., LTD.

CERTIFIED MATERIAL TEST REPORT

COMMODITY STUD B7/L7 SIZE: M12×144" PL STANDARD ASTM A190/A320 No: 2018401

Order No: 24419/ZW Q' TY: 80 (PCS) MARK: _____ DATE: 2011.12.19

一、CHEMICAL ELEMENTS(%) HEAT NO: 6610090022 MATERIAL: 387338

CHEMICAL ELEMENT	C	Mn	Si	P	S	Cr	Mo
SPEC	0.38	0.75	0.15	max	max	0.8	0.15
	0.48	1.00	0.35	0.035	0.04	1.10	0.25
TEST REPORT	0.410	0.780	0.180	0.010	0.008	0.930	0.170

二、MECHANICAL PROPERTIES HEAT NO: 1P1109315 TEST NO: 4011

ITEM	TENSILE STRENGTH	YIELD STRENGTH	ELONGATION	REDUCE	TEMPERING	QUENCHING	HARDNESS
	min (N/mm ²)	min (N/mm ²)	min (%)	min (%)	min (°C)	(°C)	max (HRC)
STANDARD	860	725	16	50	593	820-880	35
TEST REPORT	980	940	20.5	57.5	640	860	29.5

三、TESTED SIZE

ITEM	LENGTH	MAJOR DIA	GO	NO	T/LENGTH	STRAIGHTNESS	ADD
STANDARD	3663.95	11.97	2A	2A		max	
	3651.25	11.7				18.29	
TEST REPORT	OK	OK	OK	OK	OK	OK	OK

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Carpy Impact V Notch at -101°C Impact Test Min 22Joules/20ft.lbs							
TEST REPORT							

REPORT: ACCEPT

HAIYAN H&C ALL THREADED MANUFACTURING CO., LTD.
QUALITY DEPARTMENT

