

ANDREWS FASTENERS LIMITED
LATCHMORE PARK
LATCHMORE ROAD
LEEDS LS12 6DN

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REGISTERED TO BS EN ISO 9001, NQA CERT 7764. COMPANY REGISTRATION 1531702

TEST CERTIFICATE

CUSTOMER: CUSTOMER COMPANY NAME **DATE:** 18/06/2008
CUSTOMER ORDER NO.: CUSTOMER ORDER NO. **AF REFERENCE:**
PART NUMBER: 20X60HSNW8ZA **AF CERT NO.:** N10363
PRODUCT DESCRIPTION: 20X60 HEX SETSCREWS BZP GRD 8.8 DIN933/BS
ENISO 4017A FULLNUT GRD 8 DIN934 C/W STEEL
WASHER DIN125A BZP TO BS EN ISO 12329 5 UM
MIN ASSEMBLED
QUANTITY ORDERED: 10,000
PRODUCT SPECIFICATION (UNLESS STATED IN THE PRODUCT DESCRIPTION):

MATERIAL AND HEAT TREATMENT DETAILS

CAST (HEAT) NUMBER: 7C06829 **TEST NUMBER:** 21/01/2008

C	Si	Mn	P	S	Cr	Mo	Ni	Ti
0.35	0.16	0.75	0.012	0.005				
Cu	B							

HEAT TREATMENT (ASTM STANDARDS):

BOLT/SET/CSK/STUD/BAR ETC MECHANICAL PROPERTIES

TENSILE: **PROOF LOAD:** 12.1 UM
WEDGE (N/kN): 223500 224000 225800 N **UTS:**
ELONGATION: **0.2% PROOF:**
HARDNESS: 31 HRC **R OF A:**
DECARBURIZATION: SAT **ELONGATION:**
IMPACT TEST RESULTS:

FULLNUT MECHANICAL PROPERTIES

HARDNESS: 25 HRC **FULLNUT PROOF LOAD (kN):** PASS

WASHER MECHANICAL PROPERTIES

HARDNESS: 82 85 HRB

DIRECT TENSION INDICATOR (DTI/CLI)

COMPRESSION TEST (KN): 1. 2. 3. 4.
5. 6. 7. 8.

08/03/2008 20X60, AF, 8.8 S 181

PACKED IN YELLOW BAGS

PACKED WITH BLUE LABELS

This is to certify that the above results are true and verified copies of the manufacturers/Andrews Fasteners Ltd inspection records printed in compliance with BS EN 10204.
Michael Carey, Quality Director