YFS
FANG SHENG SCREW CO., LTD.
FANG SHENG TESTING LABORATORY
NO. 17, BEN GONG 2nd ROAD, BEN CHOU INDUSTRIAL PARK, KANGSHAN 820, KAOHSIUNG, TAIWAN, ROC TEL:886-7-6230306 FAX:886-7-6230292 e-mail:sales@mail.yfs.com.tw

CERTIFICATE OF INSPECTION

PURCHASER :BRIGHTON-BEST SOCKET SCREW MFG.INC.
ADDRESS :1665 HERAEUS BLVD. BUFORD. GA 30518-3383 U.S.A.

DESCRIPTION :SOCKET FLAT HEAD CAP SCREW(BLACK OXIDE)
INSP. DATE :11/08/2010 ISSUED DATE:11/26/2010
ORDER NO. :U03029 LOT NO. :2074221AL
INVOICE NO. :B101-1011188 CERT. NO. :10860984
MATERIAL TYPE:SCM435 MANU. DATE:10/15/2010
SAMPLE SIZE :REFER TO ASME B18.18.2M-87 SIZE :3/4NC*3-1/4
HEAT NO. :2D979 (990013) LOT SIZE : 39000
MANUFACTURER :FANG SHENG SCREW CO., LTD.(88743843) PART NO.:721288

DIMENSIONAL INSPECTIONS SPEC.:ASME B18.3-03

CHARACTERISTICS	SPECIFIED	ACTUAL RESULT	ACCE.	REJE.
VISUAL APPEARANCE	ASTM F788-08 ,F835-04	PASSED	32	0
THREAD	3A ASME B1.1(UNR)	PASSED	8	0
MAJOR DIA.	18.73-19.05	18.85-18.90	8	0
HEX. SOCKET WIDTH	12.700-12.827(1/2)	PASSED	8	0
HEAD DIA.	34.42-36.52	34.79-34.99	8	0
HEAD HEIGHT	2.67-3.81	3.76-3.81	8	0
KEY ENGAGEMENT	5.60 MIN.	6.06-6.19	8	0
BODY DIA.				
THREAD LENGTH				
TOTAL LENGTH	80.55-82.55	81.15-81.38	8	0
HEAD MARKING	YFS	YFS	8	0

MECHANICAL PROPERTIES SPEC.:ASTM F835-04

CHARACTERISTICS	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACCE.	REJE.
HARDNESS	ASTM F606-09	37-44 HRC	40-42	4	0
TENSILE STRENGTH	ASTM F606-09	933 MIN.	1263-1319	4	0
DECARB./ CARB.	ASTM F2328-05	CLASS 3	PASSED	1	0
PROOF LOAD	ASTM F606-09		N/A		

CHEMICAL COMPOSITION % (THE DATA TRANSCRIBE FROM MILL TEST REPORT)

C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	B	V
0.350	0.22	0.72	0.024	0.007	0.02	0.02	1.09	0.15	0.049	0.0000	0.00

INSP. RESULT:SAMPLES TESTED CONFORM TO ALL OF THE SPECIFICATION AS ABOVE.

LAB. CHIEF/CERT. SIGNATORY: (NAN-KU LIN) PAGE: 1 OF 1

REMARKS:

*DIMENSION=mm, TENSILE=MPa
*THE REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATE ONLY TO THE ITEM TESTED.
*THE QMS IS APPROVED TO ISO/TS16949, NO:44111066627, VALID TO AUG.19.12