This Lot fit the demands of EN10204 3.1

PURCHASER:	NSS FASTENERS(PTY) LTD	CERT NO:	692029	Report Code:	
ADDRESS:	140 North Reef Road, Elandsfontein Germi	CUST P/N:	SM493320070	PO# NO:	454369
SIZE:	M20-2.5 X 70	MATERIAL TYPE:	A4(316)	ITEM NO:	4790
MARKING:	A4-70 THE	SHIP QTY:	270 Z2	HEAT NO:	N181013AX06
		COMMODITY:	DIN933-1987	LOT NO:	Z212617370002
MFR. DATE:	2019/01/25	Product Name:	Hexagon head screws	Surface:	Passivated
Sampling Date:	2019/01/31	Test Date:	2019/01/31	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS (mm) SAMPLE STANDARD: DIN933-1987

CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	29.67 <---> 30	29.74 <---> 29.76	Qualified
Across Corner	33.53 min	34.16 <---> 34.18	Qualified
Head Height	12.28 <---> 12.72	12.5 <---> 12.52	Qualified
Nominal Length	69.4 <---> 70.6	70.2 <---> 70.22	Qualified
Major Diameter	19.623 <---> 19.958	19.7 <---> 19.72	Qualified
Pitch Diameter(GO/NOGO)	18.164 <---> 18.334	PASSED	Qualified
Thickness of washer face	0.2 <---> 0.8	0.25 <---> 0.3	Qualified
wash diameter	28.2 min	30 <---> 30	Qualified

MECHANICAL PROPERTIES SAMPLE STANDARD: ISO3506-1:2009

CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm^2)	700 min	780 <---> 790	Qualified
Yield Strength(N/mm^2)	450 min	700 <---> 710	Qualified
Extension(mm)	8 min	15 <---> 16	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
N181013AX06	0.014	0.38	0.99	0.034	0.002	10.05	16.27	2.03	0.39		Qualified

Jiajuan.shen	he yun. chen	xiaoyan.wu	2019/05/29
Authorization	Verification	Sampler	Date

INSPECTION RESULT:SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

1、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.