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TEST REPORT — EAR-CONTROLLED DATA

Date: 4/21/2014
 P.O. No.: 31
 W/O No.: PER002-14-04-95827-2
 Date Received: 4/11/2014

Sample Description: One (1) Lot (6 Pcs) M12-1.75 x 80mm Bolts, 8.8

TORQUE-TENSION TEST PER ISO 16047

Clamp Load (kN)	Torque (Nm)
48.9	137.1

MECHANICAL TESTING PER ISO 898-1

	Axial Proof Load (48900 N)	Ultimate Strength Axial	
		N	MPa
Result:	Satisfactory	74327	880
Required:		67400 Min.	-

The sample fractured in the threads.

HARDNESS TEST PER ISO 6508-1

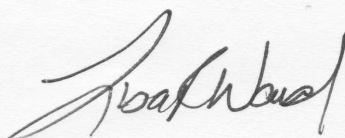
	Core Hardness (HRC)
Result:	25
Required:	22-32

CONFORMANCE

The sample meets the proof load, tensile strength and hardness requirement of ISO 898-1:2013(E), Property Class 8.8.

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Lisa Ward
 Quality Administrator

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TEST REPORT — EAR-CONTROLLED DATA

Date: 4/21/2014
 P.O. No.: 31
 W/O No.: PER002-14-04-95827-1
 Date Received: 4/11/2014

Sample Description: One (1) Lot (6 Pcs) M12-1.75 x 60mm Bolts, 10.9

TORQUE-TENSION TEST PER ISO 16047

Clamp Load (kN)	Torque (Nm)
70	192.3

MECHANICAL TESTING PER ISO 898-1

	Axial Proof Load (70000 N)	Ultimate Strength Axial	
		N	MPa
Result:	Satisfactory	98520	1170
Required:		87700 Min.	-

The sample fractured in the threads.

HARDNESS TEST PER ISO 6508-1

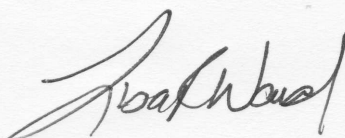
	Core Hardness (HRC)
Result:	32
Required:	32-39

CONFORMANCE

The sample meets the proof load, tensile strength and hardness requirement of ISO 898-1:2013(E), Property Class 10.9.

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