

Test and Engineering Inspection

NO.	Required engineering docume	Required tests and examinations	
1	<ul style="list-style-type: none"> - Certificate Of Origin certified by the Iraq in country of origin - Mill Certificate - Dimensions check - Third party inspection certificate 	<p style="text-align: center;">Stud Bolt</p> <ol style="list-style-type: none"> 1. Base material inspection <ol style="list-style-type: none"> a. Visual dimensional check b. Mechanical test c. Chemical analysis d. P.M.I 2. Production inspection <ol style="list-style-type: none"> a. Visual dimensional check 3. Final inspection <ol style="list-style-type: none"> a. Visual dimensional check b. Marking check (Stud bolt marked with manufacture symbol and material grade) c. Color coding ASTM A193/B7->None SA/ASME SA193 B7->Silver d. Positive material identification e. Anti-Rust protection with Tectyl oil 506 f. Rotational capacity test 4. Inspection document <ol style="list-style-type: none"> a. Certificate En 10204-3.1 5 Packing <ol style="list-style-type: none"> a. Packing inspection and packing list b. inspection release 	<p style="text-align: center;">Nut</p> <ol style="list-style-type: none"> 1. Base material inspection <ol style="list-style-type: none"> a. Visual dimensional check b. Chemical analysis c. P.M.I 2. Production inspection <ol style="list-style-type: none"> a. Visual dimensional check b. Hardness test c. Proof load test d. Macro etch examination (Carbon and Allo steel only) e. Impact test 3. Final inspection <ol style="list-style-type: none"> a. Visual dimensional check b. Marking check (Stud bolt marked with manufacture symbol and material grade) c. Color coding ASTM 194 Gr.7m->Yellow d. Positive material identification e. Anti-Rust protection with Tectyl oil 506 4. Inspection document <ol style="list-style-type: none"> a. Certificate En 10204-3.1 5. Packing <ol style="list-style-type: none"> a. Packing inspection b. Inspection release
<p>1- The third party inspection agent should be chosen from one of the following companies: SGS, Rina, Bureau Veritas Middle East, ATG, TUV Rhineland Middle East L.L.C. However, the EID has the right to reject any supplied item when its samples failed in this inspection.</p> <p>2- The supplied item is subject to random samples selection to be inspected in MRC by engineering inspection department (EID)/Karbala Refinery for the purpose of checking good quality insurance and the verification of the provided certificates. However, the (EID) has the right to reject any supplied item when its samples failed in this inspection.</p> <p>3- Each item should be packed in wooden boxes separately with weather proof lining durable and suitable for overseas shipment and handling.</p>			