

CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality
hereby attests that the product(s)

High Tensile Steel Wire and Strand for the Prestressing of Concrete

(Details as per the attached Scope of Certification)

manufactured by:

ESSEN STEEL INDUSTRY L.L.C.

KHIA4-18D, KIZAD-A4, Al Taweelah, Abu Dhabi, UAE

have been assessed in accordance with DCLD Document Ref. No. DM-DCLD-RD-DP21-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

BS 5896: 1980 Amd. 1

Accordingly, DCLD hereby authorizes the above manufacturer
to affix the DCL Product Conformity Mark on the above-mentioned product(s).



for / ENGR. AMIN AHMED AMIN
Director, Dubai Central Laboratory Department
Dubai Municipality



Certificate No: CL19020722
Valid Until: 26/11/2021



Current Issue Date: 27/11/2020
Original Issue Date: 27/11/2019



The attached Scope of Certification bearing the same Certificate Number forms an integral part of this Certificate.
This Certificate is an electronic document subject to the Terms and Conditions of the Product Certification System and shall not be reproduced except in full.



DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL19020722

Certificate Issued To: **ESSEN STEEL INDUSTRY L.L.C.**
KHIA4-18D, KIZAD-A4, Al Taweelah, Abu Dhabi, UAE

Applicable Standard Specification: **BS 5896:1980 Amd. 1**– High Tensile Steel Strand for the Prestressing of Concrete.

Applicable Specific Rules: **DM-DCLD-RD-DP21-2132 (IC)** – Specific Rules for Certification of High Tensile Steel Strand for the Prestressing of Concrete. (As per BS 5896:1980 Amd 1) through Factory Assessment.

| S/N | PRODUCT DESCRIPTION | NOMINAL DIAMETER (MM) | PRODUCT DETAILS |
|-----|--|-----------------------|--|
| 1 | High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of 1860 N/mm² | 9.3 | Seven-Wire, Relaxation Class 2, steel strand Standard Grade with nominal diameter 9.3 mm, Minimum Breaking Load of 97 kN . |
| 2 | High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of 1770 N/mm² | 9.3 | Seven-Wire, Relaxation Class 2, steel strand Standard Grade with nominal diameter 9.3 mm, Minimum Breaking Load of 92 kN |
| 3 | High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of 1860 N/mm² | 12.5 | Seven-Wire, Relaxation Class 2, steel strand Standard Grade with nominal diameter 12.5 mm, Minimum Breaking Load of 173 kN . |
| 4 | High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of 1770 N/mm² | 12.5 | Seven-Wire, Relaxation Class 2, steel strand Standard Grade with nominal diameter 12.5 mm, Minimum Breaking Load of 164 kN . |
| 5 | High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of 1860 N/mm² | 15.2 | Seven-Wire, Relaxation Class 2, steel strand Standard Grade with nominal diameter 15.2 mm, Minimum Breaking Load of 259 kN . |
| 6 | High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of 1670 N/mm² | 15.2 | Seven-Wire, Relaxation Class 2, steel strand Standard Grade with nominal diameter 15.2 mm, Minimum Breaking Load of 232 kN . |



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DCL PRODUCT CONFORMITY CERTIFICATION SCHEME**

**SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL19020722**

NOTE 1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.
NOTE 2: The above product shall bear the DCL Conformity Mark (applied on each product or on the packaging)

Original Issue Date : 27 November 2019
Current Issue Date : 27 November 2020
Valid Until : 26 November 2021

ARIF HUSAIN AL MARZOOQI
Products Conformity Assessment Section Manager
Dubai Central Laboratory Department