

# 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.  
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**DUBAI CENTRAL LABORATORY DEPARTMENT**  
**DCL PRODUCT CONFORMITY CERTIFICATION SCHEME**

**SCOPE OF CERTIFICATION**

**FOR CERTIFICATE NO. CL19020722-Rev.1**

**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 <b>1860 N/mm<sup>2</sup></b>	<b>9.3</b>	Seven-Wire, Relaxation Class 2, steel strand <b>Standard Grade</b> with nominal diameter 9.3 mm, Minimum Breaking Load of <b>97 kN</b> .
2	High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of <b>1770 N/mm<sup>2</sup></b>	<b>9.3</b>	Seven-Wire, Relaxation Class 2, steel strand <b>Standard Grade</b> with nominal diameter 9.3 mm, Minimum Breaking Load of <b>92 kN</b>
3	High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of <b>1860 N/mm<sup>2</sup></b>	<b>12.5</b>	Seven-Wire, Relaxation Class 2, steel strand <b>Standard Grade</b> with nominal diameter 12.5 mm, Minimum Breaking Load of <b>173 kN</b> .
4	High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of <b>1770 N/mm<sup>2</sup></b>	<b>12.5</b>	Seven-Wire, Relaxation Class 2, steel strand <b>Standard Grade</b> with nominal diameter 12.5 mm, Minimum Breaking Load of <b>164 kN</b> .
5	High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of <b>1860 N/mm<sup>2</sup></b>	<b>15.2</b>	Seven-Wire, Relaxation Class 2, steel strand <b>Standard Grade</b> with nominal diameter 15.2 mm, Minimum Breaking Load of <b>259 kN</b> .
6	High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of <b>1670 N/mm<sup>2</sup></b>	<b>15.2</b>	Seven-Wire, Relaxation Class 2, steel strand <b>Standard Grade</b> with nominal diameter 15.2 mm, Minimum Breaking Load of <b>232 kN</b> .



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7	High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of <b>1860 N/mm<sup>2</sup></b>	<b>*15.7</b>	Seven-Wire, Relaxation Class 2, steel strand <b>Standard Grade</b> with nominal diameter 15.2 mm, Minimum Breaking Load of <b>279 kN.</b>
8	High Tensile Steel Strand for the Prestressing of Concrete with nominal Tensile Strength of <b>1770 N/mm<sup>2</sup></b>	<b>*15.7</b>	Seven-Wire, Relaxation Class 2, steel strand <b>Standard Grade</b> with nominal diameter 15.2 mm, Minimum Breaking Load of <b>265 kN.</b>

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)

NOTE 3: \* Additional product added in the scope.

NOTE 4: This supersedes the scope of certification issued on 27 November 2020.

Original Issue Date : 27 November 2019

Current Issue Date : 27 January 2021

Valid Until : 26 November 2021

ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager

Dubai Central Laboratory Department