



# CERTIFICATE OF CONSTANCY OF PERFORMANCE

<b>Product</b>	prestressing steel
<b>Type</b>	strand-prEN 10138-3-Y1860S7-9,3-I-R1-F1-C1
<b>Intended use</b>	for the prestressing of concrete
<b>Performances</b>	see annex 1
<b>Manufacturer</b>	PRIVATE JOINT STOCK COMPANY "STALKANAT", 16, Vodoprovidna Str. Odesa, 65007, Ukraine
<b>Manufacturing plant</b>	PRIVATE JOINT STOCK COMPANY "STALKANAT", 52A, Vapnyana Str. Odesa, 65006, Ukraine
<b>Requirements</b>	EprEN 10138-1:2009, EprEN 10138-3:2009 and declared by the producer performances (see annex 1)

**This certificate is issued having performed actions prescribed for system 1+ in STR 1.01.04:2015 and confirms that the product complies with requirements set out in this certificate.**

<b>Number</b>	SPSC-9513
<b>Date of issue</b>	2025-01-03 (first issued on 2017-10-20)
<b>Valid until</b>	2028-01-03 (information <a href="http://www.spsc.lt">www.spsc.lt</a> )
<b>Granted to</b>	PRIVATE JOINT STOCK COMPANY "STALKANAT", 16, Vodoprovidna Str. Odesa, 65007, Ukraine, company code EDRPOU 44437592

Director



Valdemaras Gauronskis

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## ANNEX 1 TO CERTIFICATE No. SPSC-9513

Issued 2025-01-03

**Product** prestressing steel  
**Type** strand-prEN 10138-3-Y1860S7-9,3-I-R1-F1-C1

### Essential characteristics and performances

Essential characteristic	Test method	Performance
Tensile strength, MPa	LST EN ISO 15630-3:2019	1860
Characteristic value of maximum force $F_m$ , kN	LST EN ISO 15630-3:2019	96,7
Characteristic value of 0,1 % proof force $F_{p0,1}$ , kN	LST EN ISO 15630-3:2019	85,1
Elongation at maximum force $A_{gt}$ , %	LST EN ISO 15630-3:2019	$\geq 3,5$
Relaxation at 1000 h, for initial force corresponding to 70 % $F_{ma}$ , % and class	LST EN ISO 15630-3:2019	$\leq 2,5$ R1
Diameter $d$ , mm (nominal value)	LST EN ISO 15630-3:2019	9,3
Cross-sectional area $S_n$ , mm <sup>2</sup> (nominal value)	LST EN ISO 15630-3:2019	52,0
Mass per metre, g/m	LST EN ISO 15630-3:2019	406,1 $\pm$ 2 %
Surface geometry	LST EN ISO 15630-3:2019	indented, pass
Fatigue, number of stress cycles and class	LST EN ISO 15630-3:2019	$2 \times 10^6$ F1
Modulus of elasticity $E$ , GPa (design value)	FprEN 10138-3:2009	195
Durability, class	LST EN ISO 15630-3:2019	C1

Director



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