

NOMINAL ^a						SPECIFIED			
Steel name	Steel number	Diameter	Tensile strength	Cross-sectional area	Mass per metre ^b	Permitted deviation on mass per metre	Characteristic value of maximum force	Maximum value of maximum force	Characteristic value of 0.1% proof force ^c
		D	R _m	S _n	M		F _m	F _{m,max}	F _{p0,1}
		mm	MPa	mm ²	g/m	%	kN	kN	kN
Y1670 S7	1.1364	15.2	1670	139	1086	± 2	232	274	204
Y1770 S7	1.1365	9.3	1770	52.0	406.1	± 2	92.0	109	81.0
		9.6		55.0	429.6		97.4	115	85.7
		11.0		70.0	546.7		124	147	109
		12.5		93.0	726.3		165	195	145
		12.9		100	781.0		177	209	156
		15.2		139	1086		246	290	216
		15.7		150	1172		266	314	234
Y1860 S7	1.1366	9.3	1860	52.0	406.1	± 2	96.7	114	85.1
		9.6		55.0	429.6		102	120	89.8
		11.0		70.0	546.7		130	154	114
		11.3		75.0	585.8		140	165	123
		12.5		93.0	726.3		173	204	152
		12.9		100	781.0		186	220	164
		13.0		102	796.6		190	225	167
		15.2		139	1086		259	306	228
		15.7		150	1172		279	329	246

^a The modulus of elasticity may be taken by convention as equal to 195 GPa (kN/mm²)

^b The nominal mass per metre is calculated from the cross-sectional area and a density of 7.81 kg/dm³

^c The specified characteristic value of the 0.1% proof force is calculated:

- For the grade Y1670S7, Y1770S7 AND Y1860S7 for all diameters as 88% of the specified characteristic value of the maximum force;

SPECIFIED INDENTATION

Nominal strand diameter (mm)	Nominal depth a	Depth tolerance	Length l	Spacing c
≤ 12	0.06	± 0.03	3.5 ± 0.5	5.5 ± 0.5
> 12	0.07	± 0.03	3.5 ± 0.5	5.5 ± 0.5

