

Type of strand (1)	Nominal diameter (1)	Nominal tensile strength (1)	Nominal steel area (2)	Nominal mass (2)	Tolerance on			Specified characteristic breaking load (6)(7)	Specified characteristic 0.1% proof load (4)(6)(7)	Load at 1% elongation (4)(6)(7)	Minimum elongation at max. load	Relaxation	
					Diameter	Cross-sectional area	Mass					Initial load (% of actual breaking load)	Max relaxation after 1000h Relax class 2
	mm	N/mm ²	mm ²	g/m	mm	mm ²	g/m	kN	kN	kN			
7-wire standard	15.2	1670	139	1090	+0.4			232	197	204	For all strands 3.5 %	For all wires 60%	For all wires 1.0%
	12.5	1770	93	730	-0.2			164	139	144			
	11.0	1770	71	557	+0.3	For all strands	For all strands	125	106	110			
	9.3	1770	52	408	-0.15			92	78	81			
7-wire super	15.7	1770	150	1180	+0.4	+4%	+4%	265	225	233	For all strands 3.5 %	For all wires 60%	For all wires 1.0%
	12.9	1860	100	785	-0.2	-2%	-2%	186	158	163			
	11.3	1860	75	590	+0.3			139	118	122			
	9.6	1860	55	432	-0.15			102	87	90			

CONstriction AT BREAK: FOR ALL STRANDS DUCTILE WIRE BREAKS VISIBLE TO THE NAKED EYE

MINIMUM ELONGATION AT MAX. LOAD FOR ALL STRANDS 3.5%

(1) The type of strand, nominal diameter and nominal tensile strength data are given for designation purposes only.

(2) The nominal steel area and nominal mass data are given for information only.

(3) The nominal tensile strength is calculated from the nominal cross-section and the specified characteristic breaking load. See note 7

(4) The specified characteristic 0.1% proof load is approximately 85% of the specified characteristic breaking load. Alternatively, by agreement between the manufacturer and the purchaser, the characteristic load at 1% elongation may be specified, which is approximately 88% of the specified characteristic breaking load.

(5) The modulus of elasticity is to be taken as 195 + 10 kN/mm², unless otherwise indicated by the manufacturer

(6) The maximum standard deviations are:

- tensile strength 55 N/mm², or the equivalent value expressed as a load
- 0.1% proof stress 60 N/mm², or the equivalent value expressed as a load.

(7) In view of the close tolerance on diameters and areas, specified characteristic loads have been specified rather than stresses