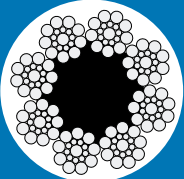
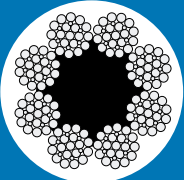


STEEL WIRE ROPES FOR ELEVATORS

CONSTRUCTION CROSS SECTION EXAMPLE	CONSTRUCTION OF ROPE		CONSTRUCTION OF STRAND		
	ITEM	QUANTITY	ITEM	QUANTITY	
	 Strands outer strands layers of strands Wires in rope	8 8 1 152 to 232	Wires Outer wires Layers of wires	19 to 29 9 to 14 2	
TYPICAL EXAMPLE		No. OF OUTER WIRES		OUTER WIRE FACTOR ¹⁾	
 ROPE	STRAND	TOTAL	PER STRAND		
8X19S	1-8-8	72	9		0,065 5
8X25F	1-6-6F-12	96	12		0,052 5
8X19W	1-6-6+6	96	12	6	0,060 6
				6	0,045 0
Min. breaking force factor: Nominal length mass factor1) Nominal metallic cross-sectional area factor1)		$K_2 = 0,293$ $W_2 = 0,340$ $C_2 = 0,349$			
Nominal rope diameter	Apporoximate nominal length mass ¹⁾	Minimum breaking force kN			
mm	kg/100m	Dual tensile		Single tensile	
		Rope Grade 1180/1770	Rope Grade 1370/1770	Rope Grade 1150	
8 ²⁾	21,8	25,7	28,1	29,4	
9	27,5	32,5	35,6	37,3	
10 ²⁾	34,0	40,1	44,0	46,0	
11 ²⁾	41,1	48,6	53,2	55,7	
12	49,0	57,8	63,3	66,2	
13 ²⁾	57,5	67,8	74,3	77,7	
14	66,6	78,7	86,1	90,2	
15	76,5	90,3	98,9	104	
16 ²⁾	87,0	103	113	118	
18	110	130	142	149	
19 ²⁾	123	145	159	166	
20	136	161	176	184	
22 ²⁾	165	194	213	223	

- 1) Informative only
 2) Preferred sizes