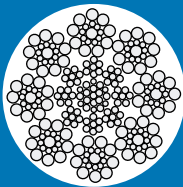
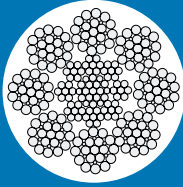
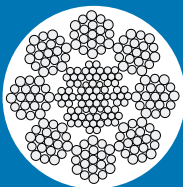


# STEEL WIRE ROPES FOR ELEVATORS

CONSTRUCTION CROSS SECTION EXAMPLE	CONSTRUCTION OF ROPE		CONSTRUCTION OF STRAND			
	ITEM	QUANTITY	ITEM		QUANTITY	
 8X19S-IWRC	Strands	8	Wires		19 to 29	
	outer strands	8	Outer wires		9 to 14	
 8X25F-IWRC	ayers of strands	1	Layers of wires		2	
	Wires in rope	152 to 232				
 8X19W-IWRC	TYPICAL EXAMPLE		No. OF OUTER WIRES		OUTER WIRE FACTOR <sup>1)</sup>	
	ROPE	STRAND	TOTAL	PER STRAND		
	8X19S	1-9-9	72	9	0,065 5	
	8X25F	1-6-6F-12	96	12	0,052 5	
	8X19W	1-6-6+6	96	12 6 6	0,060 6 0,045 0	
Min. breaking force factor:			$K_2 = 0,356$			
Nominal length mass factor <sup>1)</sup>			$W_2 = 0,407$			
Nominal metallic cross-sectional area factor <sup>1)</sup>			$C_2 = 0,457$			
Nominal rope diameter	Apporoximate nominal length mass <sup>1)</sup>	Minimum breaking force kN				
		Dual tensile		Single tensile		
mm	kg/100m	Rope Grade 1370/1770	Rope Grade 1570/1770	Rope Grade 1570	Rope Grade 1770	
8 <sup>2)</sup>	26,0	35,8	38,0	35,8	40,3	
9	33,0	45,3	48,2	45,3	51,0	
10 <sup>2)</sup>	40,7	55,9	59,5	55,9	63,0	
11 <sup>2)</sup>	49,2	67,6	71,9	67,6	76,2	
12	58,6	80,5	85,6	80,5	90,7	
13 <sup>2)</sup>	68,7	94,5	100	94,5	106	
14	79,8	110	117	110	124	
15	91,6	126	134	126	142	
16 <sup>2)</sup>	104	143	152	143	161	
18	132	181	193	181	204	
19 <sup>2)</sup>	147	202	215	202	227	
20	163	224	238	224	252	
22 <sup>2)</sup>	197	271	288	271	305	

1) Informative only  
2) Preferred sizes