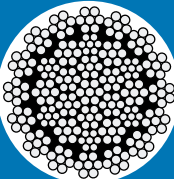


# EN 12385-4 - CLASS 35(W)x7

CONSTRUCTION CROSS SECTION EXAMPLE 	CONSTRUCTION OF ROPE		CONSTRUCTION OF STRAND		
	ITEM	QUANTITY	ITEM		QUANTITY
	Strands	28 to 40	Wires	5 to 9	
	outer strands	15 to 18	Outer wires	4 to 8	
layers of strands	3	Layers of wires	1		
Wires in rope	196 to 280				
TYPICAL EXAMPLE			No.OF OUTER WIRES		OUTER WIRE FACTOR <sup>1)</sup>
ROPE	STRAND	TOTAL	PER STRAND		
35(W)x7	1-6	96	6	0,046 1	
Min. breaking force factor:			K3=0,360 <sup>2)</sup>	K3=0,350 <sup>3)</sup>	
Nominal length mass factor <sup>1)</sup>			W3=0,454		
Nominal metallic cross-sectional area factor <sup>1)</sup>			C3=0,480		

Nominal rope diameter mm	Apporoximate nominal length mass <sup>1)</sup> kg/100m	Minimum breaking force kN	
		Rope grade 1960	Rope grade 2160
1	2	3	4
8	29,1	45,2	48,4
9	36,8	57,2	61,2
10	45,4	70,6	75,6
11	54,9	85,4	91,5
12	65,4	102	109
13	76,7	119	128
14	89,0	138	148
16	116	181	194
18	147	229	245
20	182	282	302
22	220	342	366
24	262	406	435
26	307	477	511
28	356	553	593
32	465	723	774
36	588	914	980
38	656	1020	1090
40	726	1130	1210

1) Informative only

2) Up to and including rope grade 1960

3) Greater than rope grade 1960 up to and including rope grade 2160