

SAFETY FACTOR CALCULATIONS

	Col 1	Col 2 (100-Col1) x 0.001	Col 3 1.0 / Col 2	Col 4	Col 5 Col 3 x Col 4
Tape Knot	Strength loss	RSR	1.0/RSR	Std SF	SF for knot
Drohan (50mm Flat tape)	52	0.48	2.1	5	10.4
Drohan (25mm Tube tape)	42	0.58	1.7	5	8.6
Wild Sports					
Luebban	40	0.6	1.7	5	8.3
Warild	55	0.45	2.2	5	11.1
Double Fisherman's Knot					
Drohan	42	0.58	1.7	5	8.6
Wild Sports	22	0.78	1.3	5	6.4
Luebban	35	0.65	1.5	5	7.7
Warild	45	0.55	1.8	5	9.1
Retreaded Fig 8 Knot					
Drohan	52	0.48	2.1	5	10.4
Wild Sports					
Luebban					
Warild	50	0.5	2	5	10
Overhand Knot					
Drohan	65	0.35	2.9	5	14.3
Wild Sports					
Luebban	40	0.6	1.7	5	8.3
Warild	55	0.45	2.2	5	11.1
Alpine Butterfly Knot					
Drohan	52	0.48	2.1	5	10.4
Wild Sports	34	0.66	1.5	5	7.6
Luebban					
Warild	53	0.47	2.1	5	10.6

Strength loss figures are from Table 1

Rope strength remaining (RSR) is given as a decimal
Safety Factor (SF)