

DYNAMIC ROPES

	code	colour	length*	diameter	weight	static elong.	dynamic elong.	falls	impact force	type
			m	mm	g/m					kN
Icon dry	L0384RX	red	30 - 80	9,3	57	9,0%	33,9%	5	8,4	single
Icon	L0380RX	red	30 - 80	9,3	57	9,0%	33,9%	5	8,4	single
Glory dry	L0324BY	yellow	30 - 80, 100, 200	9,8	62	7,90%	36,30%	6	8,9	single
Glory	L0320YB	yellow	30 - 80, 100, 200	9,8	62	7,90%	36,30%	6	8,9	single
Score	L0360GG	green	30 - 60, 80, 100, 200	10,1	66	7%	31,90%	8	9,1	single
Rave	L0330RS	red	30 - 70, 100, 200	10,3	66	7,7	32	7	9,3	single
Duran	L0340AX	blue	30 - 60, 80, 100, 200	10,4	70	6%	31,30%	10	8,7	single
Accord	L0510	blue	30 - 70, 100, 200	8,3	43	9% / 6,4%	32% / 34%	5 / 15	5,9 / 9,7	half / twin
	L0510	yellow	30 - 70, 100, 200	8,3	43	9% / 6,4%	32% / 34%	5 / 15	5,9 / 9,7	half / twin
Gemini	L3020	red	30 - 70, 100, 200	7,9	39	8% / 7,3%	33% / 29%	5 / 16	5,7/8,3	half / twin
	L3020	yellow	30 - 70, 100, 200	7,9	39	8% / 7,3%	33% / 29%	5 / 16	5,7/8,3	half / twin

CE ■ EN 892 ■ UIAA ■ packaging dynamic ropes: pack - 30, 40, 50, 60, 70, 80, 100 m ■ coil - 200 m

STATIC ROPES

	code	strenght	knot breaking force	static elongation	number of falls	weight	type
		kN	kN	%		g/m	
Static R44 10,5	L0430	35,8	22,3	3,4	>15	72	A
Static R44 11	L0450	34,7	20,3	3,2	>20	77	A
Static 9	L0220	25,5	14,5	3,5	>8	52,9	B
Static 10,5	L0230	30,6	19,3	3,3	>10	69	A
Static 11	L0250	37,8	24	3,3	>20	80	A
Stitched eye	W25	30	18	3,2	>20	79	A

CE ■ EN 1891 ■ UIAA ■ packaging static ropes: pack - 30, 40, 50, 60, 70, 80, 100 m ■ coil - 100, 200 m

Some notes:

Type A rope - low stretch kernmantel rope designed for general use by persons in rope access including all kinds of work positioning and restraint; in rescue and in caving Type B rope - low stretch kernmantel rope of a lower performance than type A ropes, requiring greater care in use (standard does not content other specification)

Static strength defined in the standard:

22 kN for the ropes of type A
18 kN for the ropes of type B
Another standard requirement says, the material used for rope production shall have the melting point higher than 195°C, so polyethylene or polypropylene are not suitable for the production of the ropes.

Rope elongation

The rope elongation shall not be higher than 5%, tested by loading the rope for 3 min with 150kg load (pretension 50 kg)

Dynamic performance

Fall test with two meters long rope terminated with figure-eight knots; fall factor 1. The testing mass 100 kg for type A ropes, 80 kg for type B ropes.

SPELEO ROPES

	strenght	knot breaking force	static elongation	number of falls	weight
	kN	kN	%		g/m
speleo R44 10,5	35,6	22,1	3,4	>15	72
speleo 10,5	29,2	18	3,3	>10	69

CE ■ EN 1891 ■ UIAA ■ packaging speleo ropes: pack - 30, 40, 50, 60, 70, 80, 100 m ■ coil - 100, 200 m

ACCESSORY CORDS

	diameter	weight	strenght	length
coil	mm	g/m	kN	m
L0041	4	11,8	5	100
L0051	5	17,1	6	100
L0061	6	22,0	8	100
L0071	7	33,7	12	100
L0081	8	45,2	15	100

CE 1019 ■ EN 564 ■ UIAA