

	code	colour	length	diameter	weight	static elongation	dynamic elong.	number of falls	impact force	type
			m	mm	g/m				kN	
accord	L051	modrá	30, 40, 50, 60, 70, 100, 200	8,3	43	11% / 6,4%	33% / 34%	5 / 15	6,3 / 9,7	half / twin
	L051	oranžová	30, 40, 50, 60, 70, 100, 200	8,3	43	11% / 6,4%	33% / 34%	5 / 15	6,3 / 9,7	half / twin
glory	L032	žlutá	30, 40, 50, 60, 80	9,8	62	7,90%	36,30%	6	8,9	single
score	L036	zelená	30, 40, 50, 60, 80	10,1	66	7%	31,90%	8	9,1	single
duran	L034	modrá	30, 40, 50, 60	10,4	69	7,10%	31,30%	9	9,1	single
wallter	L035	modrá	30, 40, 50, 60	10,4	70	7,10%	31,30%	8	9,3	single
mania	L303	zelená	30, 40, 50, 60, 70, 100, 200	9,7	61	7,60%	37,50%	9	7,6	single
gemini	L302	červená	30, 40, 50, 60, 70, 100, 200	7,9	39	8% / 7,3%	33% / 29%	5 / 16	5,7/8,3	half / twin
	L302	žlutá	30, 40, 50, 60, 70, 100, 200	7,9	39	8% / 7,3%	33% / 29%	5 / 16	5,7/8,3	half / twin

CE ■ EN 892 ■ UIAA

STATIC ROPES

	strenght	knot breaking force	static elongation	number of falls	weight	type
	kN	kN	%		g/m	
static R44 10,5	35,8	22,3	3,4	>15	72	A
static R44 11	34,7	20,3	3,2	>20	77	A
static 9	25,5	14,5	3,5	>8	52,9	B
static 10,5	30,6	19,3	3,3	>10	69	A
static 11	37,8	24	3,3	>20	80	A

CE ■ EN 1891 ■ UIAA packaging static ropes: pack - 50, 60, 70, customer request ■ 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

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 - 50, 60, 70, customer request ■ coil - 100, 200 m