

## DYNAMIC ROPES

		code	colour	length [m]	diameter [mm]	weight [g/m]	static elong. [%]	dynamic elong. [%]	falls	impact force [kN]	type
	DNA DRY	L3060CX	pink	30 – 80, 100, 200	8.9	51	5 / 4	30 / 27 / 25	6 / 15 / 30	9.9 / 7.2 / 11.5	single / half / twin
	ICON DRY	L0384RX	red	30 – 80, 100, 200	9.3	57	9	32	5	8.6	single
	ICON	L0380YX	yellow	30 – 80, 100, 200	9.3	57	9	32	5	8.6	single
	HERO DRY	L0524GW	blue	30 – 80, 100, 200	9.6	59	5.1	35	8	7.9	single
	HERO	L0520GW	white	30 – 80, 100, 200	9.6	59	5.1	35	8	7.9	single
	KATA DRY	L0580AA	azul	30-200	9.7	61	9.0	30	5	7.7	single
	KATA	L057AA	azul	30-200	9.7	61	9.0	30	5	7.7	single
	STORM DRY	L3044AG	blue	30 – 80, 100, 200	9.8	65	7.9	35	9	9.1	single
	STORM	L3040GA	green	30 – 80, 100, 200	9.8	65	7.9	35	9	9.1	single
	GYM	L3050RY	red	30 – 80, 100, 200	10.1	68	8.4	35	7	8.7	single
	SCORE DRY	L0364LA00	mint	30 – 80, 100, 200	10.1	66	7	32	8	9.1	single
	SCORE	L0360GG	green	30 – 60, 80, 100, 200	10.1	66	7	32	8	9.1	single
	DURAN	L0340AX	blue	30 – 60, 80, 100, 200	10.4	68	7.1	31	8	9.8	single
	PATRON	L0540YX	yellow	30 – 80, 100, 200	11.0	79	5.3	31	16	9.1	single
	ACCORD DRY	L0514OG	orange	30 – 70, 100, 200	8.3	43	11 / 6.4	33 / 34	5 / 15	6.3 / 9.7	half / twin
		L0514GO	green	30 – 70, 100, 200	8.3	43	11 / 6.4	33 / 34	5 / 15	6.3 / 9.7	half / twin
	ACCORD	L0510AG	blue	30 – 70, 100, 200	8.3	43	11 / 6.4	33 / 34	5 / 15	6.3 / 9.7	half / twin
		L0510GA	green	30 – 70, 100, 200	8.3	43	11 / 6.4	33 / 34	5 / 15	6.3 / 9.7	half / twin
	GEMINI DRY	L3020RX	red	30 – 70, 100, 200	7.9	39	10.5/8	38/33	5/16	5.1/7.9	half / twin
		L3020YX	yellow	30 – 70, 100, 200	7.9	39	10.5/8	38/33	5/16	5.1/7.9	half / twin

CE • EN 892 • • packaging dynamic ropes: pack – 30. 40. 50. 60. 70. 80. 100 m • spool – 200 m

## STATIC ROPES

		code	strength [kN]	knot breaking force [kN]	stitched eye strength [kN]	static elongation [%]	number of falls	weight [g/m]	type
	STATIC R44 11.0	L0450	34.9	22.3	28.5	3.2	>20	77	A
	STATIC R44 10.5	L0430	31.5	19.8	27.7	3.4	>15	72	A
	STATIC 11.0	L0250	34.5	22.0	28.1	3.3	>20	80	A
	STATIC 10.5	L0230	30.4	18.6	24.3	3.3	>10	69	A
	STATIC R44 NFPA 10.5	R0430	32	–	–	3.5 / 7.2 / 9.9	–	72	general use
	STATIC R44 NFPA 11.0	R0450	33.5	–	–	3 / 6.8 / 10.8	–	77	technical use
	STATIC R44 NFPA 13.0	R0460	47	30	–	3.4 / 5.4 / 7.6	–	108.7	technical use
	STATIC 9.0	L0220	24.4	13.3	–	4	6	54	B
	CONTRA 10.5	L026	30	18	–	2	>20	69	A
	TILIA 11.5	L0460	30	18	15	3	>20	90	A

CE • EN 1891 • • packaging static ropes: pack – 30. 40. 50. 60. 70. 80. 100 m • spool – 100. 200 m

### Static rope characteristic

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.

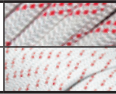

### Rope elongation


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

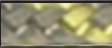

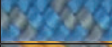

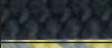

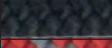


Fall test with two meters long rope terminated with figure-eight knots; fall factor 1. The testing mass 100 kg for type A ropes, 80 kg for type B ropes.


# SPELEO ROPES

		strength [kN]	knot breaking force [kN]	static elongation [%]	number of falls	weight [g/m]
SPELEO R44 10.5		33.4	20	3.3	>15	72
SPELEO 10.5		29.4	17.2	4.5	>10	71

CE • EN 1891 •  packaging speleo ropes: pack – 30. 40. 50. 60. 70. 80. 100 m • spool – 100. 200 m

# ACCESSORY CORDS

coil		diameter [mm]	weight [g/m]	strength [kN]	length [m]	ft
L0021		2	2.8	1.2	100	328
L0031		3	6.5	1.9	100	328
L0041		4	12.6	3.2	100	328
L0051		5	18.7	5	100	328
L0051BB		5	18.7	5	100	328
L0061		6	23.2	9	100	328
L0061BB		6	23.2	9	100	328
L0071		7	35.1	11.5	100	328
L0081		8	39.8	14.6	100	328

CE 1019 • EN 564 •  note: Hammer Cords L0002, L0003 do not fulfill EN standards and CE.

## ROPE TERMINOLOGY:

