

## DYNAMIC ROPES

	code	colour	length [m]	diameter [mm]	weight [g/m]	static elong. [%]	dynamic elong. [%]	falls	impact force [kN]	type	
	ICON DRY	L0384RX	red	30 – 80, 100, 200	9.3	56	7.5	34	5	8.6	single
	ICON	L0380YX	yellow	30 – 80, 100, 200	9.3	56	7.5	34	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	simples
	KATA	L057AA	azul	30-200	9.7	61	9.0	30	5	7.7	simples
	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
	MYSTIC DRY	L0534AG	rainbow	30 – 80, 100, 200	10.1	67	5.1	34	8	8.9	single
	MYSTIC	L0530RA	rainbow	30 – 80, 100, 200	10.1	67	5.1	34	8	8.9	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	70	7.1	31	9	9.1	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	L3020	red	30 – 70, 100, 200	7.9	39	10.5/8	38/33	5/16	5.1/7.9	half / twin
		L3020	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 10.5	L0430	31.5	19.8	27.7	3.4	>15	72	A
	STATIC R44 11	L0450	34.9	22.3	28.5	3.2	>20	77	A
	STATIC 9	L0220	24.4	13.6	-	3.3	>15	54	B
	STATIC 10.5	L0230	30.4	18.6	24.3	3.3	>10	69	A
	STATIC 11	L0250	34.5	22.0	28.1	3.3	>20	80	A
	CONTRA 10.5	L026	30	18	-	2	>20	69	A
	TILIA 11.5	L0460RV00	30	18	-	3	20	90	A
	STATIC R44 NFPA 10.5	R0430	32	ne	ne	3.5	ne	72	
	STATIC R44 NFPA 11.0	R0450	33.5	ne	ne	3.0	ne	77	
	STATIC R44 NFPA 13.0	R0460WB	47	ne	ne	3.4	ne	108.7	A

CE • EN 1892 • • 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.

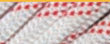

### Rope elongation


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





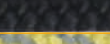



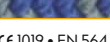
Fall test with two meters long rope terminated with figure-eight knots; fall factor 1. The testing mass 100 kg for type A ropes, 80 kg for type B ropes.

# SPELEO ROPES

		strength [kN]	knot breaking force [kN]	static elongation [%]	number of falls	weight [g/m]
	<b>SPELEO R44 10.5</b>	33.4	20	3.3	>15	72
	<b>SPELEO 10.5</b>	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	
	<b>L0021</b>	2	2.8	1.2	100	328
	<b>L0031</b>	3	6.5	1.9	100	328
	<b>L0041</b>	4	12.6	3.2	100	328
	<b>L0051</b>	5	18.7	5	100	328
	<b>L0051BB</b>	5	18.7	5	100	328
	<b>L0061</b>	6	23.2	9	100	328
	<b>L0061BB</b>	6	23.2	9	100	328
	<b>L0071</b>	7	35.1	11.5	100	328
	<b>L0081</b>	8	39.8	16	100	328

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