

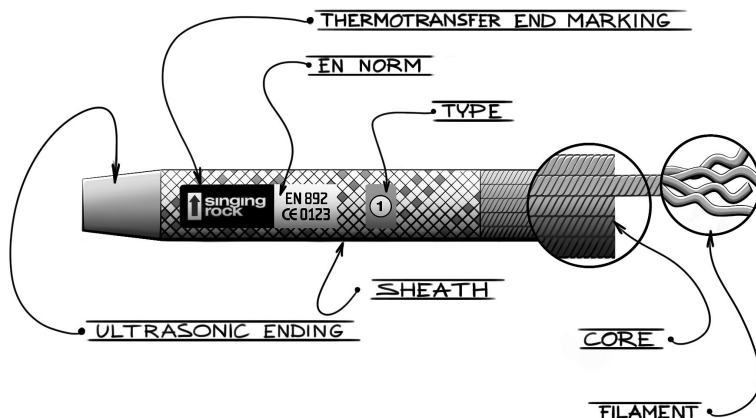
DYNAMIC ROPES

CE • EN 892 •

*pack – 30, 40, 50, 60, 70, 80, 100 m • coil – 200 m







| | name / code | colour | length* m | diamet. mm | weight g/m | static elong. % | dynamic elong. % | falls | impact force kN | type |
|--|------------------------------|---------|--------------|---------------|---------------|-----------------------|------------------------|--------|-----------------------|-------------|
| | ICON DRY L0384RX | red | 30 – 200 | 9.3 | 56 | 7.5 | 34 | 5 | 8.6 | single |
| | ICON L0380YX | yellow | 30 – 200 | 9.3 | 56 | 7.5 | 34 | 5 | 8.6 | single |
| | HERO DRY L0524GW | blue | 30 – 200 | 9.6 | 59 | 5.1 | 35 | 8 | 7.9 | single |
| | HERO L0520GW | white | 30 – 200 | 9.6 | 59 | 5.1 | 35 | 8 | 7.9 | single |
| | KATA DRY L0580AA | blue | 30 – 200 | 9.7 | 61 | 9.0 | 30 | 5 | 7.7 | single |
| | KATA L0570AA | blue | 30 – 200 | 9.7 | 61 | 9.0 | 30 | 5 | 7.7 | single |
| | STORM DRY L3044AG | blue | 30 – 200 | 9.8 | 65 | 7.9 | 35 | 9 | 9.1 | single |
| | STORM L3040GA | green | 30 – 200 | 9.8 | 65 | 7.9 | 35 | 9 | 9.1 | single |
| | GYM L3050RY | red | 30 – 200 | 10.1 | 68 | 7.4 | 37 | 6 | 7.9 | single |
| | MYSTIC DRY L0534AG | rainbow | 30 – 200 | 10.1 | 68 | 5.7 | 32 | 9 | 7.9 | single |
| | MYSTIC L0530RA | rainbow | 30 – 200 | 10.1 | 68 | 5.7 | 32 | 9 | 7.9 | single |
| | SCORE L0360GG | green | 30 – 200 | 10.1 | 66 | 7 | 32 | 8 | 9.1 | single |
| | DURAN L0340AX | blue | 30 – 200 | 10.4 | 70 | 7.1 | 31 | 9 | 9.1 | single |
| | PATRON L0540YX | yellow | 30 – 200 | 11.0 | 79 | 5.3 | 31 | 16 | 9.1 | single |
| | ACCORD L0510AG | blue | 30 – 200 | 8.3 | 43 | 9 / 6.4 | 32 / 34 | 5 / 15 | 5.9 / 9.7 | half / twin |
| | ACCORD L0510GA | green | 30 – 200 | 8.3 | 43 | 9 / 6.4 | 32 / 34 | 5 / 15 | 5.9 / 9.7 | half / twin |
| | ACCORD DRY L0514OG | orange | 30 – 200 | 8.3 | 43 | 9 / 6.4 | 32 / 34 | 5 / 15 | 5.9 / 9.7 | half / twin |
| | ACCORD DRY L0514GO | green | 30 – 200 | 8.3 | 43 | 9 / 6.4 | 32 / 34 | 5 / 15 | 5.9 / 9.7 | half / twin |
| | GEMINI L3020RX | red | 30 – 200 | 7.9 | 39 | 10.5 / 8 | 38 / 33 | 5 / 16 | 5.1 / 7.9 | half / twin |
| | GEMINI L3020YX | yellow | 30 – 200 | 7.9 | 39 | 10.5 / 8 | 38 / 33 | 5 / 16 | 5.1 / 7.9 | half / twin |

ROPE TERMINOLOGY:



STATIC ROPES

CE • EN 1891 •  pack – 30, 40, 50, 60, 70, 80, 100 m • coil – 100, 200 m

| | name / 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 |

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.



ACCESSORY CORDS

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

| | 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 |
|  | L0061 | 6 | 23.2 | 9 | 100 | 328 |
|  | L0071 | 7 | 35.1 | 11.5 | 100 | 328 |
|  | L0081 | 8 | 39.8 | 16 | 100 | 328 |

SPELEO ROPES

CE • EN 1891 •  pack – 30, 40, 50, 60, 70, 80, 100 m • coil – 100, 200 m

| | | 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 |