

## Data Sheet:

# ***cobra plus 4 t***

Patent european 623 277

### **1. Rope:**

***cobra plus 4 t***, hollow braid 22 mm, coloured black, according to DIN 83305, 100 m and 50 m rolls (produced by DIN EN ISO 9001:2000 certified manufacturer)

Material : Polypropylene (PP) monofil

Weight: 16.5 kg/ 100 m

Tensile strength: 6.150 daN both sides quick spliced (static)  
5.400 daN both sides quick spliced incl. shock absorber (dynamic)  
> 4.000 daN after 15 years of service life

Stretch: 5.0 % at 20 % breakload (1220 daN)  
6.5 % at 30 % breakload (1830 daN)  
8.0 % at 40 % breakload (2440 daN)  
10.0 % at 50 % breakload (3050 daN)  
11.5 % at 60 % breakload (3660 daN)

approx. 17 % at 100 % breakload (6150 daN)

Degradation of Tensile Strength: < 2 % per year of service life  
Follows cobra standard with same filament strength.  
(research papers - University of Weihenstephan)

### **2. Expansion Insert:**

Material: Polypropylene (PP)

Dimensions: Thickness: 1.6 mm, Width: 50 mm, Length: 580, 780, 980 mm  
(Cambium compatibility research paper from University of Weihenstephan)

### **3. Anti-Abrasion Hose:**

Material: Polypropylene (PP) textile webbing tube

Dimensions: Width: 80 mm x 12 m rolls

Recycling: Pos. 1, 2 and 3 can be melted together

### **4. Shock Absorber:**

Material: EPDM - special rubber with specified density

Dimensions: Diameter: 36 mm, Length: 400 mm  
max. extension in rope under load 200 mm

**Manufacturer:**  
of the cobra system

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