

# Solar shading system

## DUCO Ventilation & Sun Control

### DucoSun Ellips 200 Multifit

#### Description

Permanent external shading system made of aluminium. The blades are mounted on site in the supporting structure (horizontally or vertically). The elliptical louvre blades ensure the maximum amount of diffused daylight.

Fastening is done with the patented Multifit system. This system consists of one base and a fork. The gearing between the two parts allows for 11 different positions. The inclination angle is adjustable during mounting.

#### Version

##### Blade

- Blade type                      Ellips 200
- Shape of blade                ellipse
- Blade height                 200 mm
- Blade width                  37 mm

##### Bracket

- Type                              Multifit 60
- Inclination angle            -75°, -60°, -45°, -30°, -15°, 0°, 15°, 30°, 45°, 60° or 75°
- Height                          90 mm
- Width                            40 mm

##### Blade fixation

- 2 x self-drilling screw DIN 7504-O Ø 4,8 x 16

##### Bracket fixation

Type	Material
Directly on supporting structure	<ul style="list-style-type: none"> <li>• 1 x hexagon head bolt DIN 933 M8 x 20</li> <li>• 1 x washer DIN 125-1A M8</li> </ul>
On DUCO mullion	<ul style="list-style-type: none"> <li>• 1 x hexagon head bolt DIN 933 M8 x 20</li> <li>• 1 x washer DIN 125-1A M8</li> <li>• 1 x nut plate M8</li> </ul>

##### Accessories

- Coverplates available
  - Aluminium AlMg3, lasered, 3 mm thick

## Material and surface treatment

### Blade

- Aluminium                      EN AW-6063 T66 (EN 573-3)  
   Profile thickness: min. 1.4 mm
- Finish
  - Naturel anodised (15-20 µm) according to Qualanod
  - Polyester powder coated (60-80 µm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

### Bracket

- Aluminium                      EN AW-6063 T66 (EN 573-3)
- Finish
  - Polyester powder coated (60-80 µm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

## Technical specifications

### Strength calculation

According to EN 1990, EN 1991, EN 1999