

# Solar shading system

## DUCO Ventilation & Sun Control

### DucoSun Ellips 350 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 350
- Shape of blade                ellipse
- Blade height                 350 mm
- Blade width                  57 mm

##### Bracket

- Type                             Multifit 80
- Inclination angle            -75°, -60°, -45°, -30°, -15°, 0°, 15°, 30°, 45°, 60° or 75°
- Height                         90 mm
- Width                          120 mm

##### Blade fixation

- 2 x hexagon socket countersunk head screw DIN 7991 M5 x 55
- 2 x washer DIN 125-1A M5
- 2 x lock nut DIN 985 M5

##### Bracket fixation

Type	Material
Directly on supporting structure	<ul style="list-style-type: none"> <li>• 3 x hexagon head bolt DIN 933 M8 x 20</li> <li>• 3 x washer DIN 125-1A M8</li> </ul>
On DUCO mullion	<ul style="list-style-type: none"> <li>• 3 x hexagon head bolt DIN 933 M8 x 20</li> <li>• 3 x washer DIN 125-1A M8</li> <li>• 3 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. 1.9 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