Aircraft Hangar Doors
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Champion Door with swing-up mullions is the excellent solution for very large door openings. This makes our hangar door most suitable for airplane and helicopter hangars.

Champion Doors are always designed to meet individual client’s needs and satisfy all requirements. Unique door construction gives ability to stay sufficient in any kind of environments. The doors withstands extreme wind loads, works well in the arctic coldness or scorching hot deserts. Champion Door makes sure that its products can endure heavy-duty industrial wear with low maintenance costs.
The innovative multi-leaf door system design with swing-up mullions permits to manufacture the door according to the aircraft fleet shape, with maximum space utilization.

**KEY FEATURES**

- No size limitations;
- High resistance to wind load = 1 kN/m² (wind speed = 41 m/s and more);
- U-values up to 0.71 W/(m²·K);
- Opening speed = 0.2 to 0.5 m/s;
- Weight of PVC-fabric 850 g/m²

**STANDARD COLORS**

White RAL 9016, Beige RAL 1015, Yellow RAL 1003, Red RAL 3002, Green RAL 6011, Dark green RAL 6026, Light blue RAL 5012, RAL 5015, Blue RAL 5002, Dark blue RAL 5005, Gray RAL 7035, 7038, 7040, 9023, Brick color RAL 3005, Brown RAL 8016, Black RAL 9011 and TRANSLUCENT

**OPTIONAL ACCESSORIES**

- Vision line
- Additional insulation
- Additional soundproofing
- Emergency opening
- Connectors for additional equipment and hardware
- Special PVC-fabric – 60° to +200°
- Sound and light alarm
- Indication of door working process to the manufacturer’s PC
- Anti-vandal titan mesh
- Automatic mullion’s locking system

**EXCLUSIVE SOLUTIONS**

- Special solution for aerospace paint booths according to the ATEX directive in in potentially explosive atmospheres.
- Hangar door with independent power supply for operation in hangars without electricity
- Mullion with independent power supply system (same as in doors)

**KEY ADVANTAGES**

- NO guide rails at the doorstep & smooth surface of the floor.
- NO floor tracks
- NO small expendable materials in door construction
- High operational reliability
- Long lifetime
- Cost-effective in operation
- Minimal service cost
- Resistance to extreme weather environments
- Door components are not exposed to corrosion over a long time
- Leakproofness door construction
- Low power consumption
### SPECIFICATIONS AND ACCESSORIES:

#### MAIN FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Door thickness</td>
<td>180...800 mm (depending on the size of the door)</td>
</tr>
<tr>
<td>Number of plies</td>
<td>2</td>
</tr>
<tr>
<td>Thermal value</td>
<td>up to 0.71 W/(m²•K)</td>
</tr>
<tr>
<td>Wind load resistance</td>
<td>1 kN/m² (s) any windload (o)</td>
</tr>
<tr>
<td>Max door size</td>
<td>no size limitations</td>
</tr>
<tr>
<td>Control system</td>
<td>electronic and programmable</td>
</tr>
<tr>
<td>Control</td>
<td>3-push button (s) Impulse control (o) radio control (o) pulse switch control (o) radar control (o) Induction loop control (o)</td>
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<tr>
<td>Safety devices</td>
<td>fall arresters (s) impact sensor in bottom beam (o) wind locks (o) photo sensor (o) laser light curtain (o)</td>
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<tr>
<td>Optional accessories</td>
<td>swing-up mullion system (o) windows (vision line) (o) extra thermal insulation (o) soundproof (o) burglar resistant fabric (o) hydraulic emergency opening (o)</td>
</tr>
</tbody>
</table>

(s) = standard  (o) = option

The company Champion Door perform annual servicing and safety inspections during the guarantee and post guarantee period according to a separate maintenance agreement.