



## Roller shutter ThermoTeck with Tubular motor

made of galvanized steel, double skinned

### Text example:

Roller shutter, double skinned, insulated, made of coated steel profiles, galvanized consoles. Resistance to wind load in accordance with EN 12424 class 2. With header seal and prime coated winding shaft. Drive: Tubular motor, 230 Volt AC 50 Hz, IP 54, short time operation 20 % ED. Separate anti-drop device., emergency operation via awning rod. Control: Deadman control unit, 230 V control voltage, key-operated switch "OPEN-CLOSE". Installation: Behind the opening, on concrete, all fastening elements –suitable for the structure material- are supplied.

(Compile and tender according to requirements. Please refer to technical data below for respective details. Updated 1. July 2017.)

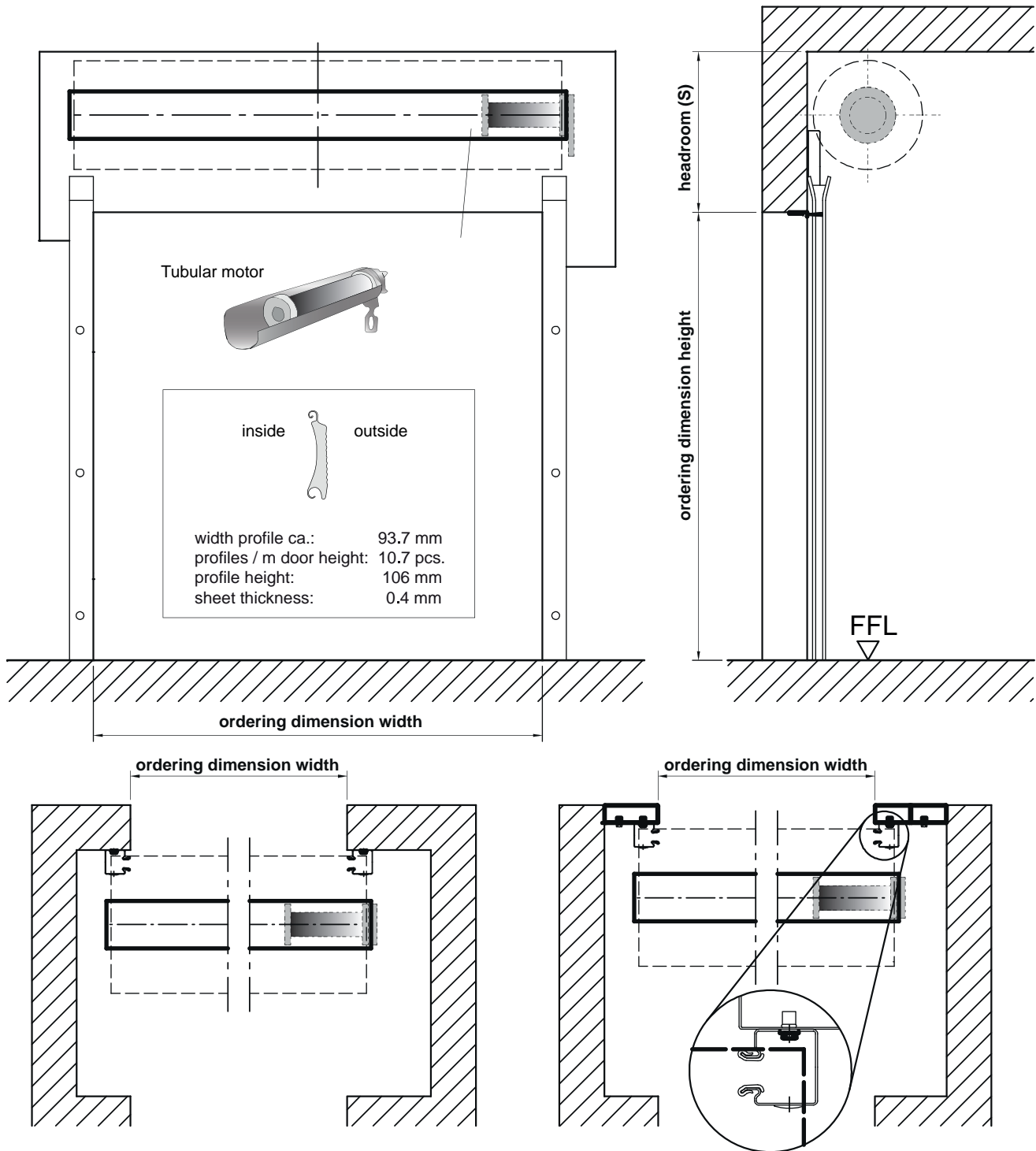
### Technical Data

|                        |  |                    |   |
|------------------------|--|--------------------|---|
| <b>Product</b>         | <b>Roller shutter</b><br>(made of galvanized steel, double skinned) <ul style="list-style-type: none"> <li>▪ <b>Heat insulation</b><br/>               U-value tested in acc. with EN ISO 12567-1<br/>               (for dimensions = 4000 x 4000 mm)<br/>               U W/(m<sup>2</sup>•K) (complete door): 3,5 W/(m<sup>2</sup>•K)</li> <li>▪ <b>Sound insulation RW</b> 20 dB</li> <li>▪ <b>Air permeability</b><br/>               classification in acc. with EN 12426 class: 0</li> <li>▪ <b>Resistance to wind load</b><br/>               classification in acc. with EN 12424 class: 2</li> <li>▪ <b>Resistance to water penetration</b><br/>               tested in acc. with EN 12489,<br/>               classification in acc. with EN 12425 class: 0</li> </ul> | <b>Header seal</b> | As standard on the outside for doors with ventilation grilles, louvers or other types of ventilation.   |
| <b>Installation in</b> | Walls made of <ul style="list-style-type: none"> <li>▪ masonry min. 120 mm</li> <li>▪ concrete min. 150 mm</li> <li>▪ steel</li> <li>▪ autoclaved aerated concrete min. 200 mm<br/>only with steel frame</li> <li>▪ wood min. 240 mm</li> </ul>  | <b>Consoles</b>    | Made of galvanized steel. If desired, with sound insulation in accordance with DIN 4109   |
| <b>Dimensions</b>      | Ordering dimensions<br>width: 1000 - 6000 mm<br>height: 1000 - 4500 mm   | <b>Locking</b>     | All locks connected to the door control unit via safety switches.<br>Nur in Verbindung mit Impulssteuerung. <ul style="list-style-type: none"> <li>▪ Bottom seal lockable from inside via two locking rods, with profile cylinder</li> <li>▪ Bottom seal lockable from inside and outside via two locking rods, with profile cylinder</li> <li>▪ Sliding bolt on the inside</li> <li>▪ Other types of locking mechanism on request</li> </ul> |
| <b>Door curtain</b>    | Door curtain, consisting of hinge-like inter-connected galvanized steel.   | <b>Drive</b>       | Tubular motor, 230 V, AC 50Hz, protection class IP54, short time operation 20 % ED (power-on time), MAX. 15 shutter cycles per day, separate anti-drop device, emergency operation via awning rod.  |
| <b>Profiles</b>        | <ul style="list-style-type: none"> <li>▪ Double-skinned steel, width ThermoTeck 93,7 mm</li> </ul>   | <b>Control</b>     | Deadman control unit, 230 V control voltage via key-operated switch "OPEN-CLOSE"  |
| <b>Surface</b>         | <ul style="list-style-type: none"> <li>▪ steel, galvanized</li> <li>▪ steel coil-coated</li> </ul>   |                    |   |
| <b>Window openings</b> | ThermoTeck synthetic glazing, crystal clear approx. 150 mm x 55 mm.  |                    |   |
| <b>Bottom seal</b>     | Double-skinned box profile made of plain aluminium, with permanently elastic and frost-proof EPDM profile hose seal for a sealed bottom door edge.   |                    |   |
| <b>End caps</b>        | Robust, wear and corrosion-free plastic parts for fixing the profiles.   |                    |   |
| <b>Wind hooks</b>      | For high wind loads and/or large widths the doors are equipped with wind hooks and a reinforced bottom seal.   |                    |   |
| <b>Guide rails</b>     | Robust steel profiles with wear-proof, easy-to change plastic guides.  |                    |   |
| <b>Winding shaft</b>   | Prime coated steel tube with welded-in shafts on both sides for drive, anti-drop or bearing seat.  |                    |   |



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**Further documents:**

The exact dimensions for the lateral buffers and the header buffer can be found in our Installation data for roller shutters and roller grilles. It contains individually dimensioned assembly drawings for each shutter. Please contact us for exceptional types of handing.