



# **TECHNICAL SPECIFICATIONS**

## **HARDWARE TYPE "TORSION SPRINGS"**

### **GUIDANCE TRACKS**

Industrial tracks will be made of galvanised steel of 75 mm, 12 gages and assembled with a vertical continuous angle covering the full height of the door.

### **HARDWARE**

Hinges will be made of galvanised steel 13 gages. The rollers will be industrial type 75mm.

### **REINFORCEMENT FOR LARGE DOORS** (If it applies)

Doors of 3759mm width and above will be provided with horizontal reinforcement bars made of galvanised steel (22 gages) and double hinges, 13 gages at each end.

### **TYPE OF MOVEMENT**

The movement of hardware should provide a maximum of space available under the door when it is opened.

### **TORSION TYPE SPRINGS**

The elevation system with torsion springs will include all the accessories needed for assembly. Every door that weights more than 454kg (1000lbs), including surface hardware, will have to be approved by an approved professional regarding the selection of hardware parts (drums, galvanized cables, springs, anchor plates, solid shaft of 25 mm). Polyurethane foam without CFC's, incorporated by robotised process of spreading between the panels walls, 42,4 kg/m<sup>3</sup> density, with a thermal resistance of R17,09 factor. Insulation is in accordance with ASTM D 1621 standard.



## **TECHNICAL SPECIFICATIONS**

### **HARDWARE (continuation)**

#### **OPTIONS (on request)**

##### **GUIDANCE TRACKS**

Horizontal tracks will be reinforced with a steel angle of 50 X 50 mm. Long rubber rollers of 75 mm (for rental property).

Rollers on a garage door mounted on 75 mm tracks will have U.H.M.W. heads, including a sealed precision bearing 6202-2RS, assembled on SAE 1020 galvanized steel stem.

##### **TRACK PROTECTORS**

Vertical tracks will be preserved by non-galvanized protectors ( "L" shape , 1524 mm x 6.4 mm or "Z" shaped, 1524 mm x 5.0 mm ) preventing accidental collisions and damage. They will be painted in bright colors during installation.

##### **CHAIN HOIST**

Manual operated doors above 3000 mm high will be provided with a wall mounted chain hoist.

Note: If you request an electric door operator, the chain hoist option will be useless. See below in our quotation.

##### **PUSHER-SPRINGS**

For doors up to and above 15 m<sup>2</sup>. (161 feet<sup>2</sup>) , the regular movement and low head room hardware will be equipped of pusher-springs at the end of horizontal tracks preventing the loosening of elevation cables.

##### **PILLOW BLOCK**

End support will include heavy duty precision pillow block for every door that the weight is of 300 kilograms (660 lbs) or above. Center support bracket " Football " will also be included for doors exceeding this weight.

##### **TENSOR**

Doors of 5563 mm wide and above will be equipped with a tension steel cable secured at the top panels end and supported at the center by an adjusted in height bracket according to the doors width. The tensor will have to be installed according to Cedomatec's inc precise requirements.

*Note: All doors that weights exceeds 454 kg (1 000 lbs), including hardware attached to the door, will have to be conjointly specified with the manufacturer ensuring a proper selection of appropriate hardware.*