

TUBULAR ROLL UP SHUTTER P.60

Description

Built with tubes in electro-welded, galvanized steel, \varnothing 14mm, united together by vertical rods step 60mm. Vertical sliding and upper roll up.

Bottom slat height 485 mm, made of 3 blank slats + the bottom slat with handle and gasket stops.

On the top there are 2 or 3 blank slats for the roll up of the shaft.

It can be used as an insert for ventilation in blank shutters P.115.

Conform to UNI EN 13241-1 **CE**

The shutters exposed to the wind, for instance in case of façade installation, must have the Class 2 conforming with the EN 12424.

Characteristic and materials

Tube		\varnothing 14x1,0	\varnothing 14x1,5	\varnothing 14x1,0
Material		Galvanized Steel	Aluminium	Stainless Steel AISI 316
Armour Weight	[kg/m ²]	11,00	4,00	11,00
Max. Width	[m]	17,00	6,00	17,00
Spaces of use		Negozzi - Varie		

Dimensions

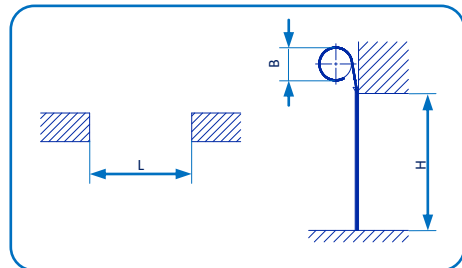
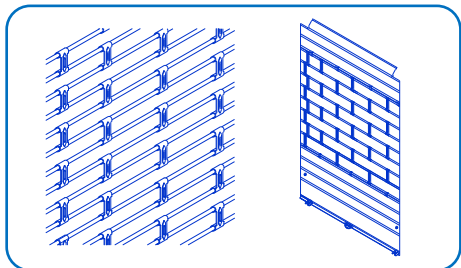
The values are approximates. For specific details contact our Technical Department.

In case of rotating shaft the minimum vertical space is 500 mm (motor + supports).

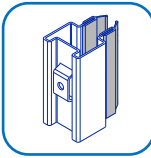
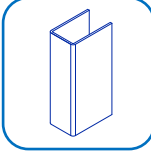

In the case of shutter with spring holder or octagonal shaft D.70 look at the following chart.; for values of dimensions related to other materials, please contact our Technical Department.

H Height	B – Roll Diameter																					
	Albero a molle										Albero ottagonale D. 70 con adattatore D. 101											
5000	410	410	410	410	440	440	440	440	-	-	-	-	-	-	380	380	-	-	-	-	-	-
4500	400	400	400	400	430	430	430	430	430	-	-	-	-	-	370	370	-	-	-	-	-	-
4000	380	380	380	380	380	410	410	410	410	410	-	-	-	-	355	355	355	-	-	-	-	-
3500	370	370	370	370	370	370	390	390	390	390	390	410	410	-	335	335	335	335	-	-	-	-
3000	350	350	350	350	350	350	370	370	370	370	370	370	370	390	310	310	310	310	-	-	-	-
2500	330	330	330	330	330	330	355	355	355	355	355	355	355	355	295	295	295	295	295	-	-	-
2000	305	305	305	305	305	305	335	335	335	335	335	335	335	335	270	270	270	270	270	270	-	-
	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	6750	7000	7500	1500	2000	2500	3000	3500	4000	4500	5000

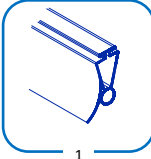
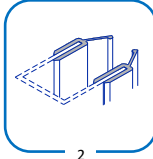
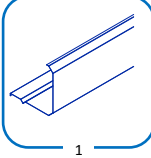
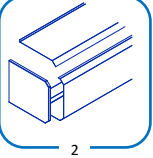
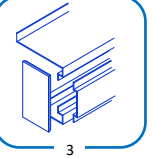
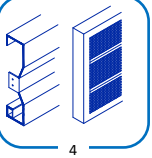




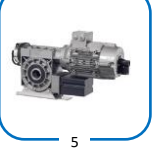
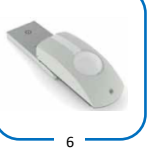
L – Width of the opening



Siliding Guides

<p>Molded guide 60x50 in galvanized steel, thickness 2,0mm With gasket for installation within and behind the opening</p>	
<p>U profiled guides in galvanized steel thickness 1,5 mm - 40 x 25 x 40 for widths until 4400 mm - 50 x 25 x 50 for widths until 5600 mm - 70 x 27 x 70 for widths until 7500 mm</p>	
<p>G profiled guides in galvanized steel thickness 2,0 mm - 60 x 60 – 80 x 60 – 80 x 80 – 100 x 80 - for shutters having a winding diameter higher than 450 mm - for installation behind the opening</p>	

Accessories

Anti-noise system	
<ol style="list-style-type: none"> 1. Rubber Gasket applied to the bottom slat 2. Gasket in PVC 	 
Top and Lid	
<ol style="list-style-type: none"> 1. Front panel 2. Carter composed by front panel, front upper and pair carter clips 3. Carter with removable front panel 4. External lid in galvanized sheet or composed by micro-perforated/blank elements P.115 	   
Automation	
<ol style="list-style-type: none"> 1. Manual operation for shaft with spring Round shaft Ø 48 – 60 – 76 – 89 – 101 2. Manual operation with torsional spring Octagonal shaft L. 70 – 102 3. Axial motor for shaft with spring Round shaft Ø 48 – 60 – 76 – 89 – 101 4. Tubular motor Octagonal shaft L. 70 5. Side motor Round shaft Ø 193 – 219 – 244 – 273 – 323 – 406 6. Forza motor Octagonal shaft L. 70 – 102 	     

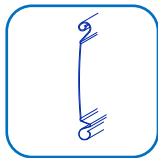
Finishing

Verniciatura a fuoco RAL Standard					
1000	Beige green	7004	Signal Grey F14	8017	Chocolate brown
1001	Beige	7016	Anthracite grey	8019	Grey brown
1013	Oyster white	7021	Dark grey	8024	Beige brown
1015	Light Ivory	7024	Graphite grey	9001	White cream
6005	Moss green	7040	Window grey	9002	White grey
6009	Fir green	7046	Telegrey 2	9005	Deep black
6015	Black olive	7047	Telegrey 4	9010	Pure white
6019	Pastel green	8004	Copper brown	9011	Graphite black
6023	Mint green	8011	Nut brown	9016	Traffic white
7000	Squirrel grey	8014	Sepia brown		
7001	Silver grey	8016	Mahogany brown		

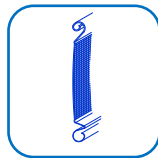
Special colours	
RAL 9006	Arsonsisi Grey
Gialli / Rossi / Blu	Metallic black
Bianco: Marmo (liscio) - Marmo antico (ruvido)	Black / Brown: <sandy (rough)
Grigio: Marmo (liscio) - Marmo antico (ruvido)	Sandy900
Marrone: Marmo (liscio) - Marmo antico (ruvido)	Gunmetal
Verde: Marmo (liscio) - Marmo antico (ruvido)	Gold for external use
Rosso: Marmo (liscio)	Hammered Brown for external use

Oxidation for aluminium shutter											
											
F01	F02	F03	F04	F05	F06	F07	F08	F09	F10	F11	F12

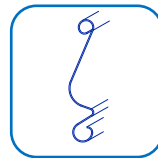
The complete range of rolling shutter



Blank P.115



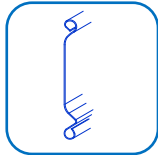
Micro-perforated P.115



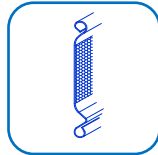
Blank P.97



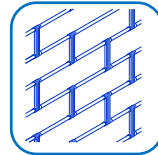
Micro-perforated P.97



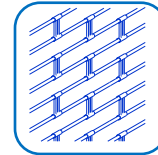
Blank P.73



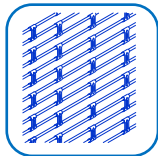
Micro-perforated P.73



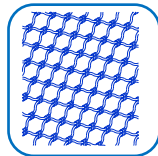
Tubular P.120



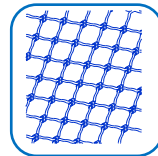
Tubular P.95



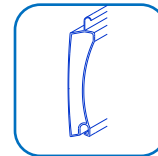
Tubular P.60



Tubonda



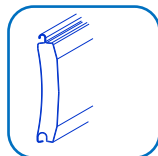
Tondino



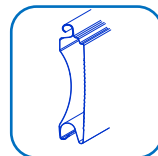
Insulated DP.77



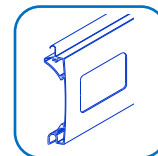
Insulated DP.105



Insulated F.100



Insulated F.140



Windowed



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