



SELECTION TABLES



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"A transparent and direct relationship with our customers is what matters the most to us. Knowing their needs helps us guide and advise them in finding the most appropriate product to meet their requirements."

*Marco Podavini,
Technical Service*

TUBULAR MOTORS FOR AWNINGS



Cherubini offers you this practical guide in order to help you choose the right model of motor for the installation of your awning. In order to make the right choice, it is necessary to know some characteristics of the awning to be motorized:

- WIND-UP ROLLER DIAMETER
A larger wind-up diameter requires a higher motor torque
- AWNING WIDTH
Wind-up roller length
- NUMBER OF ARMS
The arms are components which strengthen the awning
- AWNING PROJECTION
Lengthening of the awning arms: a larger projection requires a higher motor torque

Having determined the above data, we have to look for the torque of the required motor in the selection tables.

Example:

- Wind-up roller diameter: 70 mm
- Number of arms: 2
- Awning projection: 2 m
- Awning width: 6 m

		NUMBER OF ARMS					
		2	2	2	4	6	
AWNING WIDTH (up to)		3,6 m	4,8 m	6 m	12 m	15 m	
Ø63 Ø70 Ø78	AWNING PROJECTION	1,5 m	25 Nm	25 Nm	32 Nm	40 Nm	85 Nm
		2 m	25 Nm	25 Nm	32 Nm	50 Nm	85 Nm
		2,5 m	32 Nm	32 Nm	40 Nm	65 Nm	85 Nm
		3 m	32 Nm	32 Nm	50 Nm	85 Nm	100 Nm
		3,5 m			65 Nm	85 Nm	120 Nm
		4 m			85 Nm	100 Nm	120 Nm

Tables are purely indicative, as variations can occur according to the installation conditions. Contact our technical service for more detailed information.

TUBULAR MOTORS FOR AWNINGS

Which motor meets my requirements?

SELECTION TABLES

		NUMBER OF ARMS					
		2	2	2	4	6	
AWNING WIDTH (up to)		3,6 m	4,8 m	6 m	12 m	15 m	
Ø63 Ø70 Ø78	AWNING PROJECTION	1,5 m	25 Nm	25 Nm	32 Nm	40 Nm	85 Nm
		2 m	25 Nm	25 Nm	32 Nm	50 Nm	85 Nm
		2,5 m	32 Nm	32 Nm	40 Nm	65 Nm	85 Nm
		3 m	32 Nm	32 Nm	50 Nm	85 Nm	100 Nm
		3,5 m			65 Nm	85 Nm	120 Nm
		4 m			85 Nm	100 Nm	120 Nm

		NUMBER OF ARMS					
		2	2	2	4	6	
AWNING WIDTH (up to)		3,6 m	4,8 m	6 m	12 m	15 m	
Ø85	AWNING PROJECTION	1,5 m	32 Nm	32 Nm	32 Nm	65 Nm	100 Nm
		2 m	32 Nm	32 Nm	40 Nm	85 Nm	100 Nm
		2,5 m	40 Nm	40 Nm	50 Nm	85 Nm	100 Nm
		3 m	40 Nm	40 Nm	65 Nm	100 Nm	120 Nm
		3,5 m			85 Nm	120 Nm	120 Nm
		4 m			85 Nm	120 Nm	120 Nm

Tables are purely indicative, as variations can occur according to the installation conditions. Contact our technical service for more detailed information.

TUBULAR MOTORS FOR ROLLING SHUTTERS



Cherubini offers you this practical guide in order to help you choose the right model of motor for the installation. In order to make the right choice, it is necessary to know some characteristics of the roller shutter to be motorized:

- ROLLER SHUTTER WEIGHT

The total weight of the roller shutter is calculated after determining its surface and the weight of the material used per square meter.

$$\text{MATERIAL WEIGHT} \times \text{SURFACE} = \text{ROLLING SHUTTER WEIGHT}$$

- WIND-UP ROLLER DIAMETER

A larger wind-up roller diameter requires a higher motor torque

- PROFILE THICKNESS

The profile thickness is of basic importance for the determination of the wind-up diameter generated on the roller.

A larger wind-up roller diameter requires a higher motor torque

Having determined the above data, we have to look for the torque of the required motor in the selection tables.

Example:

- Roller shutter material: aluminium profile 3Kg/m²
- Rolling shutter height: 2 m
- Rolling shutter width: 1,5 m
- Wind-up roller: 60 mm

ROLLING SHUTTER SURFACE

$$2 \text{ m} \times 1,5 \text{ m} = 3 \text{ m}^2$$

ROLLING SHUTTER WEIGHT

$$3 \text{ kg/m}^2 \times 3 \text{ m}^2 = 9 \text{ kg}$$

SERIES Ø45

Ø ROLLER		6 Nm	10 Nm	15 Nm	25 Nm	32 Nm*	40 Nm	50 Nm
Ø50/55	Without hard hangers	13 kg	21 kg	33 kg	46 kg			
	With hard hangers	11 kg	18 kg	29 kg	41 kg			
Ø60/65	Without hard hangers	12 kg	19 kg	28 kg	42 kg	54 kg	68 kg	85 kg
	With hard hangers	10 kg	15 kg	23 kg	36 kg	47 kg	58 kg	73 kg
Ø70/80	Without hard hangers	10 kg	15 kg	22 kg	36 kg	47 kg	58 kg	73 kg
	With hard hangers	7 kg	11 kg	17 kg	31 kg	38 kg	48 kg	59 kg

The friction safety coefficient has been taken into consideration in the tables. Tables are purely indicative, as variations can occur according to the installation conditions.

Contact our technical service for more detailed information.

* Roll: 30 Nm

TUBULAR MOTORS FOR ROLLING SHUTTERS

Which motor meets my requirements?

SELECTION TABLES

SERIES Ø35

PROFILE THICKNESS up to 10 mm - Without hard hangers

ROLLING SHUTTER MAXIMUM HEIGHT 2500 mm			
Ø ROLLER	3 Nm	5 Nm	9 Nm
Ø40	8 kg	13 kg	24 kg
Ø45	7 kg	12 kg	21 kg
Ø50	6 kg	10 kg	19 kg

ROLLING SHUTTER MAXIMUM HEIGHT 3500 mm			
Ø ROLLER	3 Nm	5 Nm	9 Nm
Ø40	7 kg	11 kg	20 kg
Ø45	6 kg	11 kg	18 kg
Ø50	5 kg	9 kg	17 kg

SERIES Ø45

PROFILE THICKNESS up to 10 mm

ROLLING SHUTTER MAXIMUM HEIGHT 2500 mm								
Ø ROLLER		6 Nm	10 Nm	15 Nm	25 Nm	32 Nm*	40 Nm	50 Nm
Ø50	Without hard hangers	15 kg	25 kg	40 kg	55 kg			
	With hard hangers	13 kg	21 kg	35 kg	49 kg			
Ø60	Without hard hangers	14 kg	23 kg	33 kg	50 kg	65 kg	81 kg	102 kg
	With hard hangers	11 kg	18 kg	27 kg	43 kg	56 kg	70 kg	87 kg
Ø70	Without hard hangers	11 kg	18 kg	26 kg	43 kg	56 kg	70 kg	87 kg
	With hard hangers	8 kg	13 kg	20 kg	37 kg	46 kg	58 kg	71 kg

ROLLING SHUTTER MAXIMUM HEIGHT 3500 mm								
Ø ROLLER		6 Nm	10 Nm	15 Nm	25 Nm	32 Nm*	40 Nm	50 Nm
Ø50	Without hard hangers	13 kg	21 kg	33 kg	46 kg			
	With hard hangers	11 kg	18 kg	29 kg	41 kg			
Ø60	Without hard hangers	12 kg	19 kg	28 kg	42 kg	54 kg	68 kg	85 kg
	With hard hangers	10 kg	15 kg	23 kg	36 kg	47 kg	58 kg	73 kg
Ø70/80	Without hard hangers	10 kg	15 kg	22 kg	36 kg	47 kg	58 kg	73 kg
	With hard hangers	7 kg	11 kg	17 kg	31 kg	38 kg	48 kg	59 kg

* Roll: 30 Nm

TUBULAR MOTORS FOR ROLLING SHUTTERS

SELECTION TABLES

SERIES Ø45
PROFILE THICKNESS from 11 to 15 mm

ROLLING SHUTTER MAXIMUM HEIGHT 2500 mm								
Ø ROLLER		6 Nm	10 Nm	15 Nm	25 Nm	32 Nm*	40 Nm	50 Nm
Ø50	Without hard hangers	13 kg	21 kg	32 kg	48 kg			
	With hard hangers	10 kg	17 kg	27 kg	42 kg			
Ø60	Without hard hangers	11 kg	18 kg	27 kg	44 kg	57 kg	71 kg	88 kg
	With hard hangers	8 kg	14 kg	23 kg	38 kg	47 kg	61 kg	75 kg
Ø70/80	Without hard hangers	10 kg	15 kg	23 kg	38 kg	48 kg	61 kg	75 kg
	With hard hangers	7 kg	11 kg	18 kg	31 kg	38 kg	51 kg	60 kg

ROLLING SHUTTER MAXIMUM HEIGHT 3500 mm								
Ø ROLLER		6 Nm	10 Nm	15 Nm	25 Nm	32 Nm*	40 Nm	50 Nm
Ø50	Without hard hangers	11 kg	18 kg	27 kg	40 kg			
	With hard hangers	8 kg	14 kg	23 kg	35 kg			
Ø60	Without hard hangers	10 kg	15 kg	23 kg	37 kg	48 kg	59 kg	73 kg
	With hard hangers	7 kg	12 kg	19 kg	32 kg	39 kg	51 kg	63 kg
Ø70/80	Without hard hangers	8 kg	13 kg	19 kg	32 kg	40 kg	50 kg	63 kg
	With hard hangers	6 kg	9 kg	15 kg	26 kg	32 kg	43 kg	50 kg

* Roll: 30 Nm

The friction safety coefficient has been taken into consideration in the tables. Tables are purely indicative, as variations can occur according to the installation conditions. Contact our technical service for more detailed information.

TUBULAR MOTORS FOR ROLLING SHUTTERS

Which motor meets my requirements?

SERIES Ø58

ROLLING SHUTTER MAXIMUM HEIGHT 2500 mm				
Ø ROLLER	65 Nm	85 Nm	100 Nm	120 Nm
Ø70	100 kg	125 kg	145 kg	170 kg
Ø90	85 kg	105 kg	125 kg	155 kg
Ø102	75 kg	95 kg	115 kg	130 kg
Ø133	50 kg	70 kg	80 kg	100 kg

ROLLING SHUTTER MAXIMUM HEIGHT 3500 mm				
Ø ROLLER	65 Nm	85 Nm	100 Nm	120 Nm
Ø70	85 kg	104 kg	121 kg	142 kg
Ø90	70 kg	88 kg	104 kg	129 kg
Ø102	65 kg	79 kg	96 kg	108 kg
Ø133	45 kg	58 kg	67 kg	83 kg

SELECTION TABLES FOR OCEAN EASY PLUG & PLAY MOTOR

SERIES Ø45
PROFILE THICKNESS up to 10 mm - With hard hangers

ROLLING SHUTTER MAXIMUM HEIGHT 1500 mm		
Ø ROLLER	10 Nm	20 Nm
Ø50	24 kg	45 kg
Ø60	20 kg	40 kg
Ø70	15 kg	31 kg

ROLLING SHUTTER MAXIMUM HEIGHT 2500 mm		
Ø ROLLER	10 Nm	20 Nm
Ø50	21 kg	40 kg
Ø60	18 kg	35 kg
Ø70	13 kg	27 kg

SERIES Ø45
PROFILE THICKNESS from 11 to 15 mm - With hard hangers

ROLLING SHUTTER MAXIMUM HEIGHT 1500 mm		
Ø ROLLER	10 Nm	20 Nm
Ø50	19 kg	39 kg
Ø60	16 kg	33 kg
Ø70	13 kg	26 kg

ROLLING SHUTTER MAXIMUM HEIGHT 2500 mm		
Ø ROLLER	10 Nm	20 Nm
Ø50	17 kg	34 kg
Ø60	14 kg	29 kg
Ø70	11 kg	23 kg

TUBULAR MOTORS FOR SCREENS AND MOSQUITO NETS



TUBULAR MOTORS FOR SCREENS AND MOSQUITO NETS

Which motor meets my requirements?

Cherubini offers you this practical guide in order to help you choose the right model of motor for the installation. In order to make the right choice, it is necessary to know some characteristics of the system to be motorized:

- WIND-UP ROLLER DIAMETER
A larger wind-up diameter requires a higher motor torque
- FABRIC WEIGHT PER SQUARE METER
- SURFACE
(width and height)
- BOTTOM RAIL WEIGHT

Having determined the above data, we have to look for the torque of the required motor in the selection tables.

Example:

- Fabric = 0,5 kg/m²
- Height = 5 m
- Width = 4 m
- Bottom rail weight = 4 kg
- Wind-up roller diameter = 78 mm

SURFACE = WIDTH x HEIGHT = 4x5 = 20 m²

SYSTEM WEIGHT = SURFACE x FABRIC WEIGHT = 20 m² x 0,5 kg/m² = 10 kg

TOTAL WEIGHT = SYSTEM WEIGHT + BOTTOM RAIL WEIGHT = 10 + 4 kg = 14 kg

SERIES Ø45

	6 Nm	7 Nm	10 Nm	15 Nm	25 Nm
Ø ROLLER	17 rpm	30 rpm	17 rpm	17/30 rpm	17 rpm
Ø50	18 kg	18 kg	30 kg	45 kg	65 kg
Ø60	15 kg	15 kg	24 kg	40 kg	57 kg
Ø70	-	-	21 kg	33 kg	51 kg
Ø78	-	-	17 kg	27 kg	45 kg

Tables are purely indicative, as variations can occur according to the installation conditions. Contact our technical service for more detailed information.

SELECTION TABLES

SERIES Ø35

	3 Nm	5 Nm	9 Nm
Ø ROLLER	30 rpm	30/21 rpm	16 rpm
Ø40	11 kg	15 kg	28 kg
Ø50	7 kg	12 kg	23 kg
Ø60	-	9 kg	18 kg

SERIES Ø45

	6 Nm	7 Nm	10 Nm	15 Nm	25 Nm
Ø ROLLER	17 rpm	30 rpm	17 rpm	17/30 rpm	17 rpm
Ø50	18 kg	18 kg	30 kg	45 kg	65 kg
Ø60	15 kg	15 kg	24 kg	40 kg	57 kg
Ø70	-	-	21 kg	33 kg	51 kg
Ø78	-	-	17 kg	27 kg	45 kg

The friction safety coefficient has been taken into consideration in the tables. Tables are purely indicative, as variations can occur according to the installation conditions. Contact our technical service for more detailed information.