

# Hybrid Series Motors



**MaestroShield®**  
PROTECTION LIKE NO OTHER



# Hybrid Series Motors

MaestroShield® motors are innovation at its best. Designed in-house by Swedish and American engineers, these industry leading components are the perfect marriage of power, precision and price. With multiple configurations available, the agility of our motors puts them in a class of their own. Designed and tested with quality in mind MaestroShield® motors will greatly enhance your shutter, door, screen and, shading applications. These are only some of the reasons why MaestroShield® is superior to the competition in tubular motors.

## Hybrid Motors—Mechanical limit switch with built-in receiver



Head with  
Manual Override



Drive Shaft



With manual override



Fast Installing  
Type Limit  
Head



Without manual override

### Features

- Quiet design, noise performance below 45dB
- Mechanical limit switch with built-in receiver
- Built-in control board using sealed box, more safe and stable
- Precise limit setting and easy adjustment
- Shock resistance relays for higher stability
- Working temperature from -40 to +85F for electronics
- Works with all MaestroShield control systems
- Both motors can be used with standard mounting plates AC03-03A (standard or AC030801 (45" plate) or for both usages the new AC030802



### Motor Connection

White—Neutral  
Black—Live  
Green—Earth

### AC Motors • 110 -120V / 60Hz

	Item #	Torque	Speed	Tube Diameter	Voltage	Input Power	Current	Lifting Weight	
		(Nm)	(rpm)	(mm)	(V)	(W)	(A)	60mm Tube	70mm Tube
With manual override	TMRS45M-20/30	20	30	45	120	300	2.50	≤ 112 lbs	≤ 94 lbs
	TMRS45M-50/12	50	12	45	120	300	2.5	≤ 275 lbs	≤ 74.84 lbs
Without manual override	TMRS45S-20/30	20	30	45	120	300	2.50	≤ 112 lbs	≤ 94 lbs
	TMRS45S-50/12	50	12	45	120	300	2.5	≤ 275 lbs	≤ 74.84 lbs

Crown	Drive	Item #	Motor Tube / Reel	Outer Diameter
		Crown: TMUS-SC276 Drive: TMUS-45OG	2.75" (70mm) Octangular Tube	Ø66mm / 2 5/8"
		Crown: TMUS-60OC3 Drive: TMUS-60OG3	2.36" (60mm) Octangular Tube	Ø56mm / 2 7/32"

**\*IMPORTANT:** Warranties do not cover any damage to MaestroShield® products that result from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, lightning or any unauthorized disassembly, repair or modification. Warranties do not apply to any product on which the original identification information has been altered, obliterated or removed, has not been handled or packaged correctly, has been sold second hand or has been sold contrary to the United States export regulations without consent from MaestroShield®.



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