



ADVANCED HURRICANE TECHNOLOGY

HURRICANE PROTECTION
AND
SECURITY PRODUCTS

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WHERE QUALITY
& INNOVATION MEET

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ADVANCED HURRICANE TECHNOLOGY

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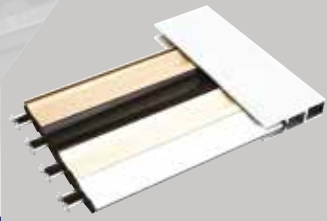




01

60MM SUPERSPAN ROLLSHUTTER

Strongest roldown shutter in the industry.



- Our rollshutter systems are HVHZ & NON HVHZ compliant.
- Max slat span 288 3/8".
- Max design pressure 200 psf.
- Tested to TAS 201 / 202 / 203 standards.
- Impact level d = 9lb large missile impact.
- All build in and build out options only use 1/4" extrusions.
- Ideal for commercial and government projects.
- Colors available: white, ivory, beige and bronze.
- All extrusion are 6063-t6 aluminum.
- Our slats are designed with two structural reinforcement ribs that offer extra protection.
- Our slat endlocks are reinforced with 1/4 x 3 1/4" flange tapcon screws.
- We offer slat endlocks in every slat to provide even greater strength and protection.
- Our 60mm roldown shutter is designed and tested in accordance with the 2017 Florida Building Code 6th edition FL 12550-r4 and TDI.
- Our patented end retention system offers a 4.5" side track.



OPTIONS:



58MM ROLLINGSHUTTER SYSTEM

02



OPTIONS:

- Our rollshutter system are HVHZ & NON HVHZ compliant.
- Max slat span 286".
- Max design pressure 200 psf.
- Our 58MM rolldown shutter is designed and tested in accordance with the 2017 Florida Building Code 6th Edition FL 26980 AHT.
- This rolldown shutter is ideal for residential and condo applications.
- Slat endlocks are attached with 10 x 2 1/2" ss screws.
- Slat designed with a structural reinforcement rib.
- Tracks have option for snap covers to conceal fasteners.
- All build in and build out options only use 1/4" extrusions.
- We offer a variety of powder coated colors in white, ivory, beige and bronze.
- All extrusion are 6063-t6 aluminum.
- We have available vented, solid and viewport slats.
- Tested to TAS 201 / 202 / 203 and ASTM E 330 / E 1886 / E 1996 standards.





03

55MM ROLLINGSHUTTER SYSTEM

- Our rollshutter systems are HVHZ & NON-HVHZ compliant.
- Max slat span 288".
- Max design pressure 180 psf.
- Our rolldown shutter is design and tested in accordance with the 2017 Florida Building Code 6th edition FL 29518 AHT.
- Tested to TAS 201 / 202 / 203 and ASTM E 330 / E 1886 / E 1996 standards.
- Impact level d = 9lb large missile impact.
- We have available vented, solid and viewport slats in a variety of colors including white, ivory, beige and bronze.
- Our unique design allows the slats to roll tighter, minimizing the profile of the box.
- The smaller slat size allows for a quieter operation and reduces the lifting tension on the motors.
- Slat endlocks are attached with 10 x 2 1/2" ss screws.
- All build in and build out options only use 1/4" extrusions.



OPTIONS:





04

40MM ROLLINGSHUTTER SYSTEM



OPTIONS:



- Max design pressure 140 psf.
- Our 40MM product are sunshade and security.
- Ideal for smaller openings and hood sizes.
- We have available colors in white, ivory, beige and bronze.
- Lightest shutter we sell and budget friendly.
- The 40mm slat is an attractive slat that is very quiet and rolls tighter when rolling up and down.
- The 40mm is a light weight slat ideal for manual gear operation even in larger shutter span.

ADVANCED SUPERSPAN HURRICANE SCREEN 05

- Our hurricane screen is designed and tested in accordance with the 2017 Florida Building Code 6th Edition FL 16343-R2 AHT.
- AHT screen materials have UV inhibitors infused into the resin.
- Less than 10% porosity to limit the air and water intrusion.
- AHT's superspan end retention roll screen design allows deployment in nominal winds.
- Quick and easy deployment motorized or manually operated.
- 10 year limited warranty on black fabric screen.
- 1 year limited warranty on white fabric.
- Our Standard colors are black, black/tan, white, white/tan.
- Thermo-Welded and Stitched with PolyPro 138 for maximum pressure design, tested to 210 PSF!
 - AHT's exclusive zipper design offers effortless operation in manual and motorized options up to 24' span @ 60 PSF!





06

AHT MOTORS

50Nm



MOTOR AHT5045-S 50 Nm
(w/w:2445060 or 2445070) C&D and
Brackets included



MOTOR AHT5045-R 50 Nm
RADIO SYSTEM (w/w:2445060 or 2445070)
C&D, Brackets and Remote Control 1 Unit included

100Nm



MOTOR AHT10059-S 100 Nm
(w/w:2459070 or 2459100) C&D and
Brackets included



MOTOR AHT10059-R 100 Nm RADIO
SYSTEM (w/w:2459070 or 2459100) C&D,
Brackets and Remote Control 1 Unit included

300Nm



MOTOR AHT30092-S 300 Nm
(w/w:2492100) Drive included



MOTOR AHT30092-M 300 Nm
(w/w:2492100) Drive included

- Our motors are strong, dependable and fully tested so you can be assured that you are receiving a product that will last and protect your home.
- They have the longest lifespan on the market.
- Whisper quiet operation
- We have competitive pricing for our customers.
- Our motors have a 5 year replacement warranty.
- We offer 50NM, 100NM, 300NM motors and they come with the necessary components ready to install.
- Our motors have a range of lifting capacities see reference page 7 for more information.

LIFTING CAPACITY

50Nm
180lbs - 209lbs

100Nm
252lbs - 360lbs

300Nm
758lbs - 1011lbs

AHT50Nm

Rated Torque	Rated Speed	Tube Diameter	Rated Voltage	Rated Freq.	Rated Power Input	Rated Current	Running Time	Degree of Protection	Max # of turns
50 N.m	13 rpm	45mm	120V	60Hz	235W	2.20A	4min	IP44	22

AHT100Nm

Rated Torque	Rated Speed	Tube Diameter	Rated Voltage	Rated Freq.	Rated Power Input	Rated Current	Running Time	Degree of Protection	Max # of turns
100 N.m	11 rpm	59mm	120V	60Hz	340W	2.94A	4min	IP44	22

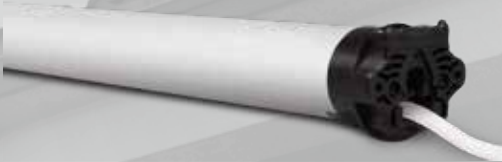
AHT300Nm

Rated Torque	Rated Speed	Tube Diameter	Rated Voltage	Rated Freq.	Rated Power Input	Rated Current	Running Time	Degree of Protection	Max # of turns
300 N.m	9 rpm	92mm	120V	60Hz	635W	7.86A	4min	IP44	30

AHT HOODSIZE CHART

	6.5" FINISHED HEIGHT	7" FINISHED HEIGHT	8" FINISHED HEIGHT	10" FINISHED HEIGHT	12" FINISHED HEIGHT	14" FINISHED HEIGHT	16" FINISHED HEIGHT
40mm	63" and below	63" - 82"	83" - 107"	108" - 184"			
55mm			72" and below	73" - 120"	121" - 182"	183" - 229"	230" - 287.5"
58mm			72" and below	73" - 112"	113" - 162"	163" - 229"	230" - 287.5"
60mm			62" and below	63" - 105"	106" - 159"	159" - 218"	219" - 287.5"

XQ50



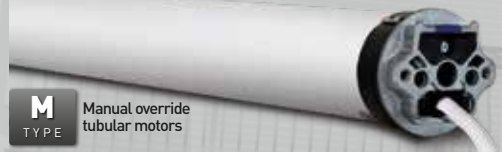
- SENSE MOTORS WITH INTELLIGENT OBSTACLE DETECTION NON RADIO

XQ50



- SENSE MOTORS WITH INTELLIGENT OBSTACLE DETECTION WITH-IN RADIO RECEIVER

XQ50



- M** Manual override tubular motors
TYPE
- TUBULAR MOTORS WITH MANUAL OVERRIDE AND INTEGRATED RECEIVER
 - TUBULAR MOTORS WITH MECHANICAL LIMIT SWITH AND MANUAL OVERRIDE

XQ60



- SENSE MOTORS WITH INTELLIGENT OBSTACLE DETECTION WITH-IN RADIO RECEIVER

- 100% genuine Italian manufacturing
- The XQ 500 and 600 Series motor line pushes even further the limits on control options.
- From the standard base model to the more complex home automation solution.
- These motors are perfect for roller shutters and can be combined with a wide range of electronic devices.
- Standard Gaposa motors are compatible with AHT receivers, WiFi hubs, and remotes.
- Motor sizes available from 20 Nm up to 120 Nm.
 - Obstacle detection in down direction and reverse function.
 - Compatible with climate sensors.
 - Tubular motors come with manual override and integrated receiver.

TUBULAR MOTORS SELECTION TABLES

Roller blinds, venetians, shades & home-theatre screens.

The table below shows the max. weight (Lbs) each blind or screen can lift according to the rolling tube diameter*



MODEL	TUBE (Ø) >		1" ½ (40 mm)	2.0" (50.8 mm)
	TORQUE (Nm)	RPM	Lbs	Lbs
XQ4(*)158	1	58	9.56	7.50
XQ4(*)228 SILEO	2	28	19.12	15.00
XQ4(*)338 SILEO	3	38	28.68	22.50
XQ4(*)430 SILEO	4	30	38.24	29.99



MODEL	TUBE (Ø) >		2.0" (50.8 mm)	2.5" (63.5 mm)
	TORQUE (Nm)	RPM	Lbs	Lbs
XQ5(*)330 SILEO	3	30	22.50	18.07
XQ5(*)434 SILEO	4	34	29.99	24.09
XQ5(*)634 SILEO	6	34	44.90	36.14
XQ5(*)934 SILEO	9	34	67.49	54.20
XQ5(*)790	7	90	52.49	42.16
XQ5(*)1234	12	34	89.98	72.27
XQ5(*)1521	15	21	112.48	90.34
XQ5(*)2016	20	16	149.97	120.45
XQ5(*)2521	25	21	187.47	150.56

* Suffix of the code according to the limit switch type P = mechanical limits / E = electronic encoded / ER = electronic encoded radio built-in.

Shutters and garage doors. The table below shows the shutter max weight each motor can lift, according to the rolling tube diameter and the height of the shutter. All weights consider friction:



MODEL	TORQUE (Nm)	RPM	TUBE (Ø mm) >											
			40	50	60	60	70	70	89	89	102	102		
MAX SHUTTER HEIGHT (m) >			1.5	2.5	1.5	2.5	1.5	2.5	1.5	2.5	1.5	2.5	1.5	2.5
XQ4(*)915	9	15	57.2	50.6										
XQ5(*)1016	10	16			39.6	33	35.2	30.8						
XQ5(*)1521	15	21			59.4	50.6	55	46.2						
XQ5(*)2016	20	16			81.4	70.4	74.8	66						
XQ5(*)2521	25	21			99	85.8	92.4	77						
XQ5(*)3016	30	16			118.8	101.2	110	92.4	101.2	88				
XQ5(*)3521	35	21			140.8	123.2	132	114.4	118.8	103.4				
XQ5(*)4016	40	16			158.4	134.2	147.4	123.2	134.2	118.8	123.2	110		
XQ6(*)1690	16	90					83.6							
XQ6(*)4521	45	21					170.8	151.0	163.3	143.6	138.6	121.3		
XQ6(*)6521	65	21					246.7	218.0	236.0	207.4	200.2	175.2		
XQ6(*)8015	80	15					303.6	268.4	290.4	255.2	246.4	215.6		
XQ6(*)10015	100	15					385	336.6	363	321.2	308	270.6		
XQ6(*)12012	120	12					440	389.4	424.6	378.4	369.6	325.6		

* Suffix of the code according to the limit switch type P = mechanical limits / E = electronic encoded / ER = electronic encoded radio built-in.



10

IMPACT TECHNOLOGY ACCORDION

- Design and tested in accordance with the 2017 Florida Building Code 6th Edition - FL 12549-R6
- We have Aluminum & clear polycarbonate blades available.
- Wall tracks have protective rainguard to prevent wind driven rain from getting through the shutters.
- Cost effective.
- Direct mount starter available.
- Mortise and push lock centermates available.
- See Mortise Lock Stacking Chart on page 11.
- See Push Lock Stacking Chart on page 12.



H.D. Mortise Lock Stacking Chart

as of: 4/14/2011

# of Blades	Window Width	Track Width	Stack		# of Blades	Window Width	Track Width	Stack
2	6.00	11.00	6.00		84	246.00	277.50	26.50
4	11.75	17.50	6.50		86	252.00	284.00	27.00
6	17.50	24.00	7.00		88	258.00	290.50	27.50
8	23.25	30.50	7.50		90	264.00	297.00	28.00
10	29.00	37.00	8.00		92	270.00	303.50	28.50
12	34.75	43.50	8.50		94	276.00	310.00	29.00
14	40.50	50.00	9.00		96	282.00	316.50	29.50
16	46.25	56.50	9.50		98	288.00	323.00	30.00
18	52.00	63.00	10.00		100	294.00	329.50	30.50
20	57.75	69.50	10.50		102	300.00	336.00	31.00
22	63.50	76.00	11.00		104	306.00	342.50	31.50
24	69.25	82.50	11.50		106	312.00	349.00	32.00
26	75.00	89.00	12.00		108	318.00	355.50	32.50
28	80.75	95.50	12.50		110	324.00	362.00	33.00
30	86.50	102.00	13.00		112	330.00	368.50	33.50
32	92.25	108.50	13.50		114	336.00	375.00	34.00
34	98.00	115.00	14.00		116	342.00	381.50	34.50
36	103.75	121.50	14.50		118	348.00	388.00	35.00
38	109.50	128.00	15.00		120	354.00	394.50	35.50
40	115.25	134.50	15.50		122	360.00	401.00	36.00
42	121.00	141.00	16.00		124	366.00	407.50	36.50
44	126.75	147.50	16.50		126	372.00	414.00	37.00
46	132.50	154.00	17.00		128	378.00	420.50	37.50
48	138.25	160.50	17.50		130	384.00	427.00	38.00
50	144.00	167.00	18.00		132	390.00	433.50	38.50
52	150.00	173.50	18.50		134	396.00	440.00	39.00
54	156.00	180.00	19.00		136	402.00	446.50	39.50
56	162.00	186.50	19.50		138	408.00	453.00	40.00
58	168.00	193.00	20.00		140	414.00	459.50	40.50
60	174.00	199.50	20.50		142	420.00	466.00	41.00
62	180.00	206.00	21.00		144	426.00	472.50	41.50
64	186.00	212.50	21.50		146	432.00	479.00	42.00
66	192.00	219.00	22.00		148	438.00	485.50	42.50
68	198.00	225.50	22.50		150	444.00	492.00	43.00
70	204.00	232.00	23.00		152	450.00	498.50	43.50
72	210.00	238.50	23.50		154	456.00	505.00	44.00
74	216.00	245.00	24.00		156	462.00	511.50	44.50
76	222.00	251.50	24.50		158	468.00	518.00	45.00
78	228.00	258.00	25.00		160	474.00	524.50	45.50
80	234.00	264.50	25.50		162	480.00	531.00	46.00
82	240.00	271.00	26.00		164	486.00	537.50	46.50

REFERENCE



PUSH LOCK Stacking Chart

Rev.: 1/10/2020

# of Blades	Window Width	Track Width	Stack		# of Blades	Window Width	Track Width	Stack
3	11.00	13.75	2.75		85	257.00	280.50	23.50
5	17.00	20.25	3.25		87	263.00	287.00	24.00
7	23.00	26.75	3.75		89	269.00	293.50	24.50
9	29.00	33.25	4.25		91	275.00	300.00	25.00
11	35.00	40.00	5.00		93	281.00	306.50	25.50
13	41.00	46.50	5.50		95	287.00	313.00	26.00
15	47.00	53.00	6.00		97	293.00	319.50	26.50
17	53.00	59.50	6.50		99	299.00	326.00	27.00
19	59.00	66.00	7.00		101	305.00	332.50	27.50
21	65.00	72.50	7.50		103	311.00	339.00	28.00
23	71.00	79.00	8.00		105	317.00	345.50	28.50
25	77.00	85.50	8.50		107	323.00	352.00	29.00
27	83.00	92.00	9.00		109	329.00	358.50	29.50
29	89.00	98.50	9.50		111	335.00	365.00	30.00
31	95.00	105.00	10.00		113	341.00	371.50	30.50
33	101.00	111.50	10.50		115	347.00	378.00	31.00
35	107.00	118.00	11.00		117	353.00	384.50	31.50
37	113.00	124.50	11.50		119	359.00	391.00	32.00
39	119.00	131.00	12.00		121	365.00	397.50	32.50
41	125.00	137.50	12.50		123	371.00	404.00	33.00
43	131.00	144.00	13.00		125	377.00	410.50	33.50
45	137.00	150.50	13.50		127	383.00	417.00	34.00
47	143.00	157.00	14.00		129	389.00	423.50	34.50
49	149.00	163.50	14.50		131	395.00	430.00	35.00
51	155.00	170.00	15.00		133	401.00	436.50	35.50
53	161.00	176.50	15.50		135	407.00	443.00	36.00
55	167.00	183.00	16.00		137	413.00	449.50	36.50
57	173.00	189.50	16.50		139	419.00	456.00	37.00
59	179.00	196.00	17.00		141	425.00	462.50	37.50
61	185.00	202.50	17.50		143	431.00	469.00	38.00
63	191.00	209.00	18.00		145	437.00	475.50	38.50
65	197.00	215.50	18.50		147	443.00	482.00	39.00
67	203.00	222.00	19.00		149	449.00	488.50	39.50
69	209.00	228.50	19.50		151	455.00	495.00	40.00
71	215.00	235.00	20.00		153	461.00	501.50	40.50
73	221.00	241.50	20.50		155	467.00	508.00	41.00
75	227.00	248.00	21.00		157	473.00	514.50	41.50
77	233.00	254.50	21.50		159	479.00	521.00	42.00
79	239.00	261.00	22.00		161	485.00	527.50	42.50
81	245.00	267.50	22.50		163	491.00	534.00	43.00
83	251.00	274.00	23.00		165	497.00	540.50	43.50



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