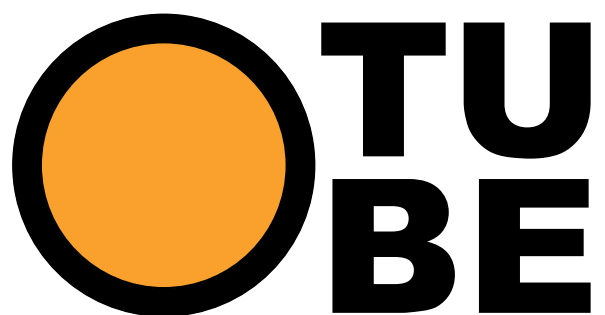




PRODUCT CATALOGUE



2020

PRODUCT CATALOG APP

Don't you know? TUBE Catalog is also available in a digital version to ease your navigation and speed your research.

Scan the QR code below to download or look for "TUBE Catalog" on your phone store.

Check out our app

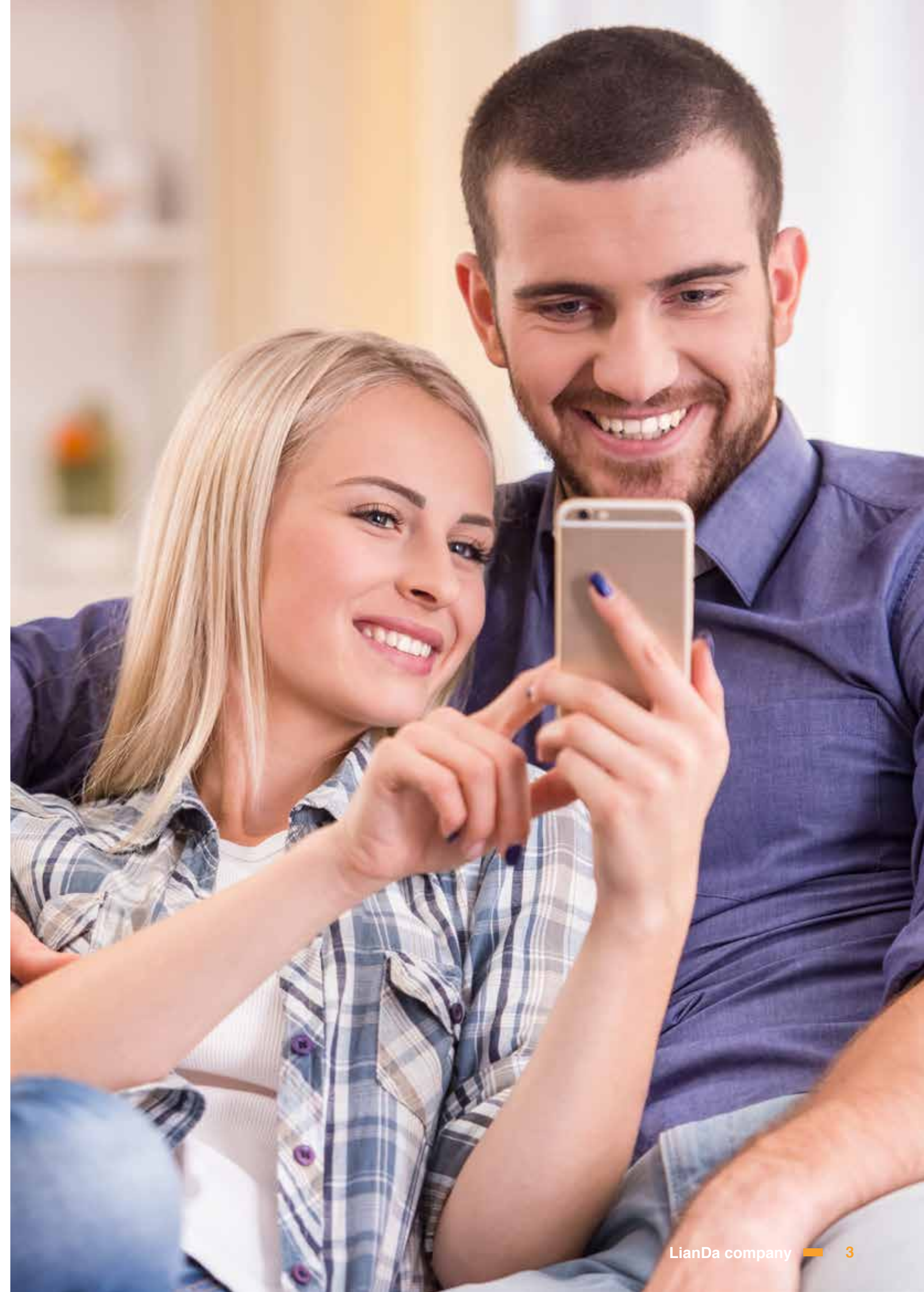
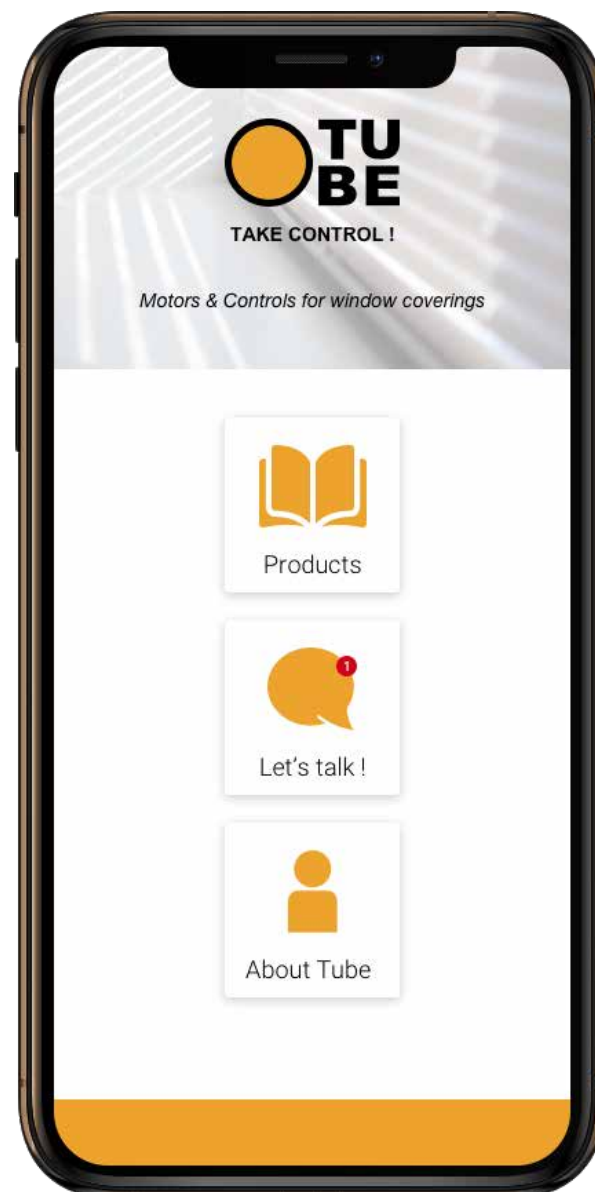
available on



Play Store APP



IOS & Tencent
APP



TUBE CATALOG

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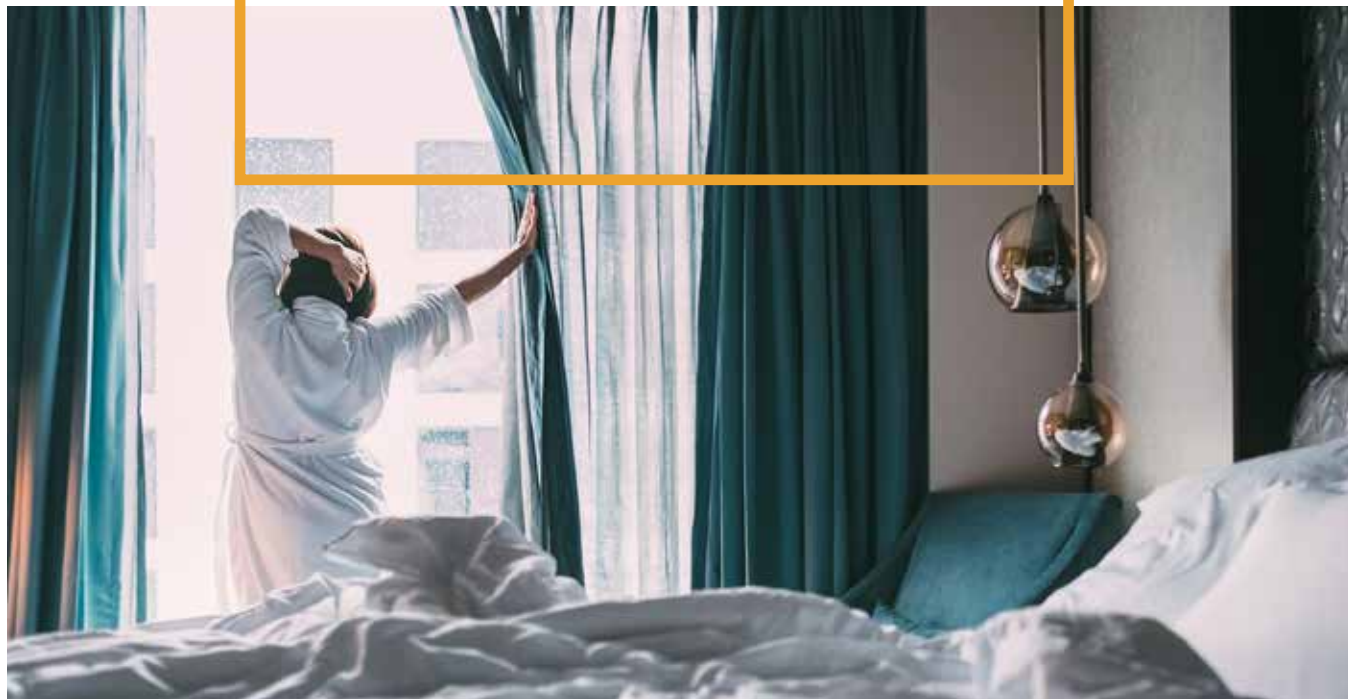
Supporting our sales

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LEXICON



TUBE BRAND



Brand Value

TUBE is specializing in motors and controls for interior & exterior window covering applications, access and home automation. TUBE products are developed and produced by LianDa in Nanxun, China.

TUBE brand is sold worldwide outside China to manufacturers and distributors.

Created in 2012, TUBE is a young brand entrenched in an evolving and digital market. Supported by Somfy Group legitimate position, TUBE is gradually strengthened by its reactivity, flexibility, digitalization and quality promise.

Our Factory LIANDA

TUBE brand is owned and developed by LianDa, wholly owned company by the Somfy Group, the global leader in opening and closing automation for both residential and commercial buildings. Established in 2006, Lianda is specialized in tubular motors, curtain motors and control solutions which are used for blinds, curtains, external solar protections, shutters & access.

With a factory of 27,000 square meters and recent production equipment, production capacity is over 1,000,000 motors/year.

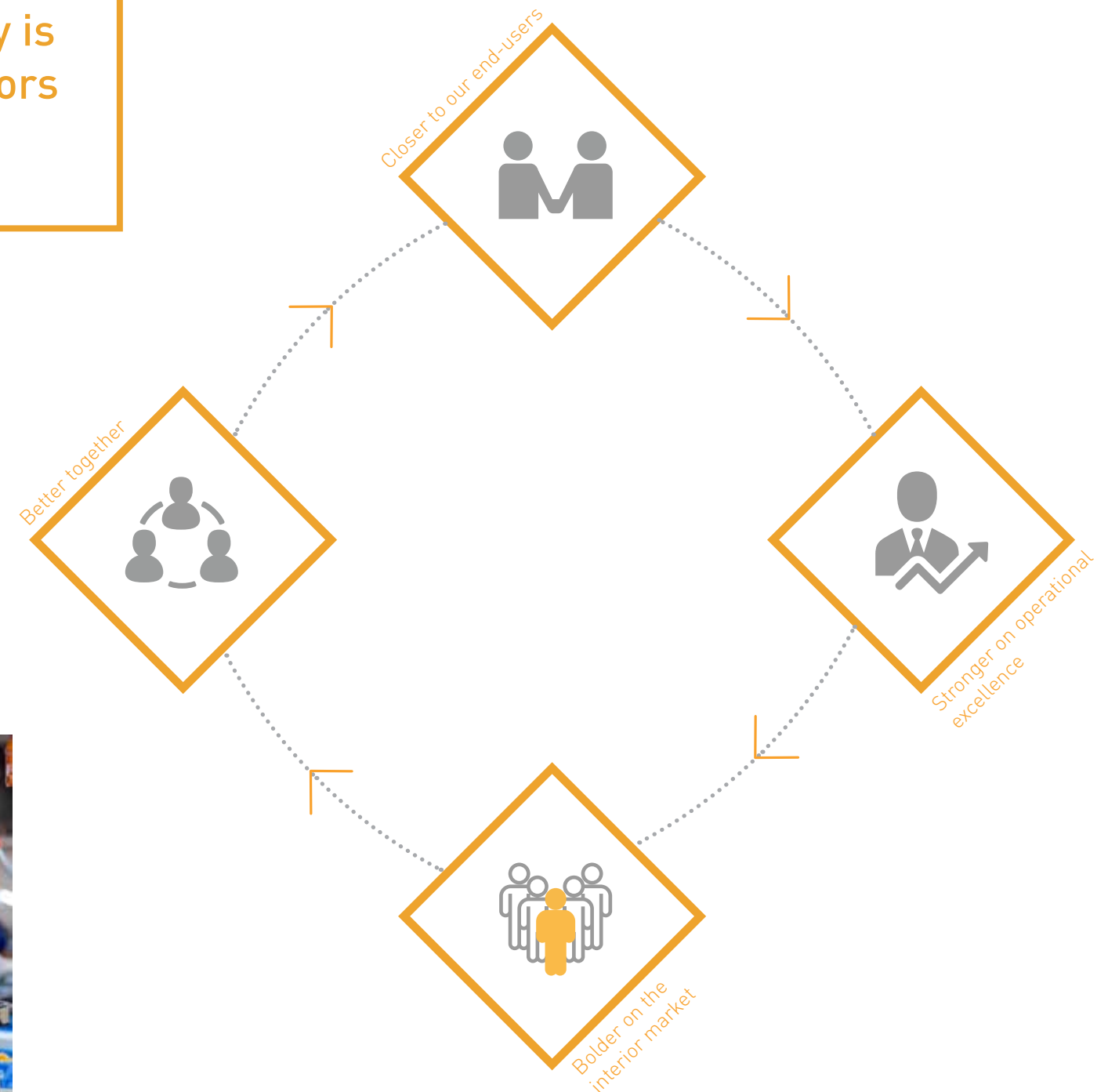
The company is fully integrated within the Somfy group, implementing the same excellence in quality under the Somfy Production System [SPS].



Production capacity is
over 1,000,000 motors
a year



Human Value



Quality Promise

LianDa implements the same excellence in quality under the SPS Somfy Production System. The products will get very strict tests, and the components from suppliers will also get the strict quality inspection. All the customer complaint will be analyzed with 8D methodology and be solved within 20 days. Thus, with the strong quality culture, all the TUBE products have passed ISO9001, and get many certificates, such as CE, CB, RoHS etc.

PRODUCT CERTIFICATION



COMPANY CERTIFICATION

ISO9001

Quality Management





CONTACT US

Live Chat on Tube catalog APP

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Website : www.tube-motors.com

Email : info@tube-motors.com

Service line : +86 572 3787 555



**TUBE
OFFER**



the optimum collection

The Optimum range is the result of optimized subcomponents and deep standardization on limited and basic motor models. With equal quality promise guaranteed by LianDa's know-how, this cost-effective range is focusing on essential needs to help customers reaching market expectations.

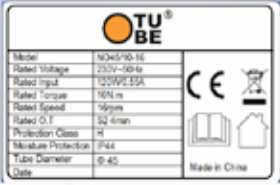
the premium collection

TUBE's main product offer is part of the Premium range, that is providing standard motors but additional functions as well, such as Quiet (Q), Obstacle Detection (RS), Tilting (TL), Skylight (SKL), External Screens (EXB) and Clippable head (K). Providing better comfort with our noise-focus strategy, the Premium collection is supporting customers by enhancing new possibilities with large product flexibility.

TUBE Standard Product Definition



ø25-ø35-ø45-ø60 AC Tubular Motors

Tube color	Black (RAL 9005) 	
Motor Instructions Manual	English, French, Italian, Portugese, Spanish	
Packaging & Minimum Order Quantity	the optimum collection*the premium collection	
	ø25	N/A
	ø35	1pc
	ø45	1pc
	ø59-60	1pc
Manual override	1pc	1pc
Cable type	VVF	
Cable lenght	1.5m	
Motor Label	Standard Size 20mm x 30mm (ø25) Size 50mm x 78 mm (ø35, 45, 59-60) Name : TUBE product name Logo : TUBE	
Packaging Labels	Standard Size 35mm x 35mm (ø25) Size 40mm x 40 mm (ø35) Size 55mm x 55mm (ø45) Size 104mm x 104mm (ø59-60) Logo : TUBE	

*no setting tool

TUBE Standard Product Definition



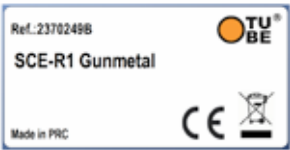
Curtain Motors

Motor Instructions Manual	English, Chinese
Packaging	Individual Box = 1 pc Medium Box = 12 pcs
Motor Label	Standard  Size 11mm x 40 mm Name : TUBE product name Logo : TUBE
Packaging Labels	Standard  Size individual box 40mm x 40mm Size medium box 80mm x 40mm Logo : TUBE
Minimum order quantity	Individual Box = 1 pc

TUBE Standard Product Definition



Controls

Control Instructions Manual	English
Product Label	 Size 30mm x 20 mm
Packaging Labels	 Size 30mm x 20mm
Minimum order quantity	Individual Box = 1 pc



Product Designation

How to understand the abbreviation?

Tubular Motor

Product Range

NO: Optimum Range
NP: Premium Range

Diameter of Tubular Motor

25: Motor Tube diameter 25mm
35: Motor Tube diameter 35mm
45: Motor Tube diameter 45mm
59: Motor Tube diameter 59mm
60: Motor Tube diameter 60mm

Current

DC: Direct Current
AC: Alternating Current

Special Function

Rn: Radio RTL New (since 2016)
Electronic LSU (limit setting unit) Radio Electronic Adjustment
WT : Wired Technology
PA : Progressive Adjustment
Rn PA: Radio Mechanical LSU
Sw : Switch Wand

Note: When the motor is wired technology, "WT" is always omitted

Special Function

Q: Quiet
SKL: Skylight
K: Clippable Head
M: Manual Override
INBAT: Embedded Battery (Wirefree)
OUTBAT: External Battery (Wirefree)
RS: Roller Shutter with Obstacle Detection & Freeze Protection
EXB: External Screen with Obstacle Detection & Auto / Manual Lock
TL : Tilting
S: Short

Curtain

C: Curtain
50: 50 kg Push / Pull Capacity
W: Wired

Note: When the cutrain motor is radio technology, "RTL" is always omitted

Control / Remote

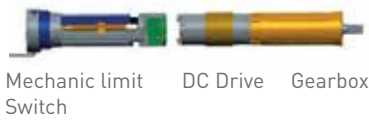
SCE: Curve Line	R1: 1 Channel
SCT: Techno Line	R5: 5 Channels
SCW: White Line	R15: 15 Channels
SCP: Touch Line	UNO: Single Switch
SCO: Cuddle Line	DUO: Double Switch

RS: Wireless Radio Switch
TS: Wireless Timer Radio Switch
WT: Wall Mounted Switch
WTB: Build-in Switch

DC Motors

Ø25 Range

Wired



InBAT



OutBAT



Ø35 & 45 Range

Wired

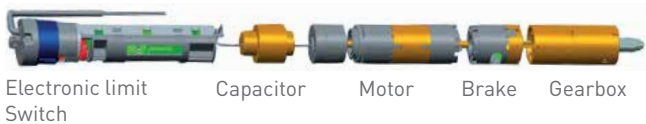
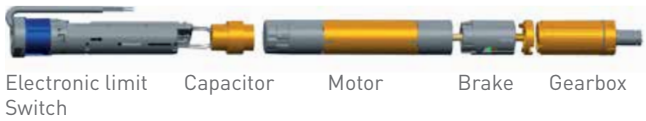


AC Motors

Rn PA Range

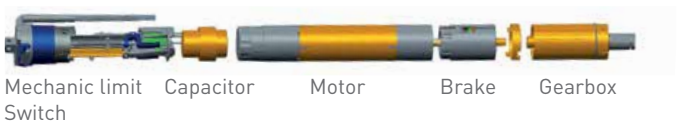


Rn Range



Technical Support

WT PA Range



Manual Override Range



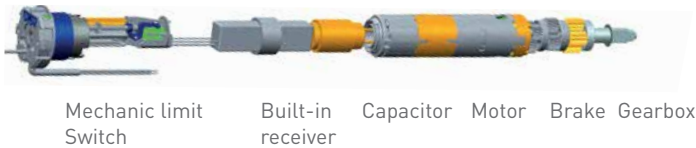
Manual Override Rn PA Range



NPK Range



NPK-Rn PA Range



NPK-Rn Range



Motor Key Components

Limit Switch Unit

- Progressive limit switch and electronic limit switch provide max / min reliability and accuracy: tolerance $\pm 5^\circ$
- Capacity increased up to 45 revolutions

WT PA

Round Head



Rn PA



eLSU Radio



Motor

- Implementation of grade 2 enamelled wires to reduce heat generation and improve thermal time
- Use of automatic wiring machine to improve product quality and consistency.

Brake

- Brake design based on approved technologies
- Full mechanical structure, without any additional electronic coil
- No additional noise is generated when motor starts or stops

Electronic PCBA

Working temperature: -10°C to 40°C

Gearbox

- Optimized design
- Adapted grease to avoid any grease leakage



Head

- Round motor head called NO/NP



- Clipable motor head called NPK



- Manual override motor head called Available in tow kinds of thickness: 24/27 mm
NOM / NPM



PRODUCT RANGE

- Connected Solutions
- Tubular motors
 - Ø25
 - Ø35
 - Ø45
 - Ø59
 - Ø60
- Curtains solutions
- Controls
- Accessories

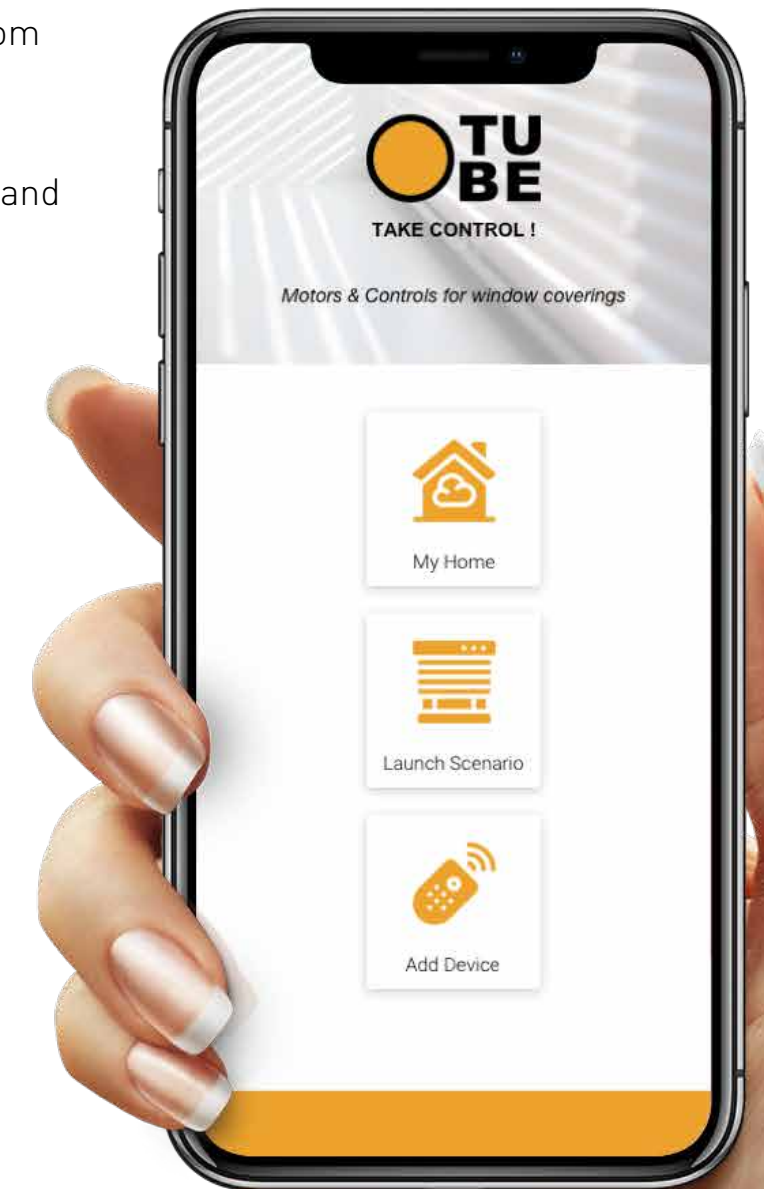
Connected Solutions

Take control of your TUBE motors with **TUBE Home APP** and connected **Gateway**.
Enter the world of connected solutions, for a convenient and simple use.

Development to be confirmed in 2020, Semester 2

Control your installation from any place by using your APP on your smartphone

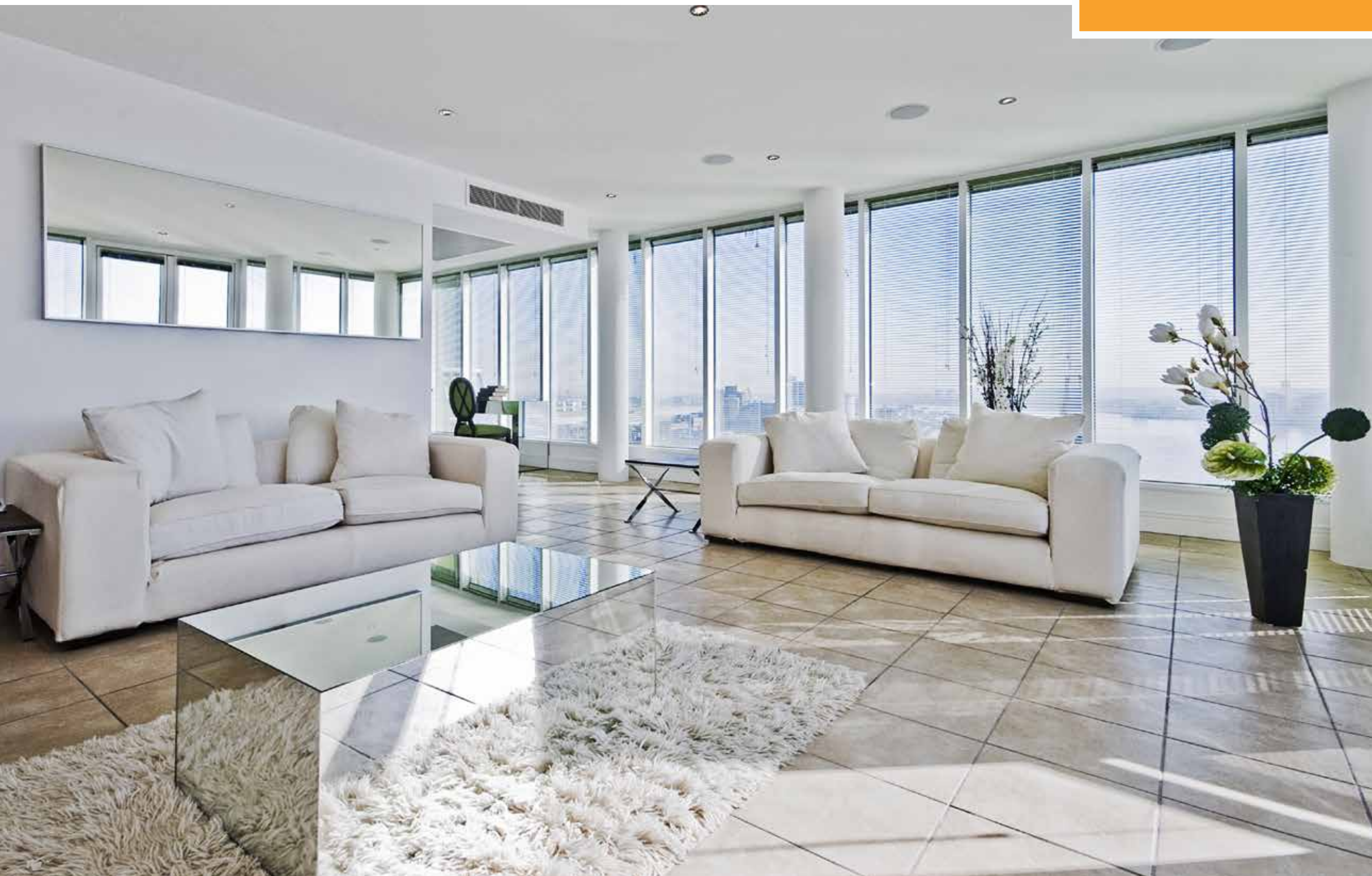
- Download "TUBE Home" APP from your store
- Buy the connected Gateway
- Connect it to your server (Wi-Fi) and follow the settings





Tubular motors

Ø 25 DC Tubular Motors



ROMAN/WOVEN
SHADES



ROLLER
BLIND



PROJECTION
SCREEN

N025

Optimum Ø25 DC Wired Tubular Motor



CE CB

Product description

Product name	• N025
	<i>Perfect for indoor solutions, ideal to motorize blinds and projections screens.</i>
Characteristics	• DC current - 24V
	• Wired progressive adjustment
Accessories	• 1 Setting tool • Leaflet • Adjustment bar • DC Switch (ref:2371049) • Power Adaptor 24V 1A (ref:2811981)



Applications



ROLLER
BLIND



PROJECTION
SCREEN

Accessories (Mandatory) *not included*

ref:2811981 p.165



ref:2371049 p.148



24V

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
N025/0.7-28	2371050	0.7	28	0.5	IP31	25	320	0.32



NB25 RV



Ø25 DC Wired Tubular Motor



CE CB

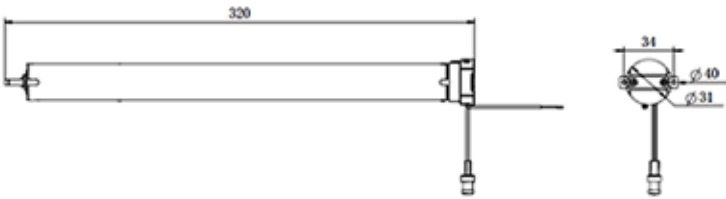
12V

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NB25 RV	2370934	0.7	30	0.8	IP31	25	320	0.32



Product description

Product name	NB25 RV
	<i>Special solution dedicated to camper/RV application.</i>
Characteristics	- DC current - 24V - Wired progressive adjustment
Accessories	1 Setting tool - Leaflet - Adjustment bar



Applications



NO25 OUTBAT Rn

Optimum Ø25 DC Wirefree Tubular Motor with External Battery



CE CB

12V External battery

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO25 OUTBAT/1.1-28-Rn	2371051	1.1	28	1.1	IP31	∞	335	0.3
NO25 OUTBAT/02-28-Rn	2371297	2	28	1.5	IP31	∞	335	0.3



Product description

Product name	● NO25 OUTBAT Rn
	<i>External battery solution for interior applications with low power consumption.</i>
Characteristics	● DC wirefree motor - 12V
	● Radio electronic adjustment
	● Battery chargeable with lithium or alkaline batteries (6 months autonomy)
	● Battery charge indicator
Accessories	● Leaflet
	● Reloadable 12V battery tube (ref: 2371017)



Applications



ROLLER
BLIND



PROJECTION
SCREEN

Accessories (Mandatory)

not included

ref:2371017 p.164



NO25 INBAT Rn

Optimum Ø25 DC Wirefree Tubular Motor with built-in Battery



12V Embedded battery

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO25 INBAT/1.1-28-Rn	2371052	1.1	28	1.1	IP31	∞	535	0.52
NO25 INBAT/02-28-Rn	2371296	2	28	1.5	IP31	∞	535	0.52



Product description

Product name	● NO25 INBAT Rn
	<i>Embedded battery solution for interior applications with low power consumption.</i>
Characteristics	● DC wirefree motor - 12V
	● Radio electronic adjustment
	● In-Built battery chargeable with power supply (9 months autonomy)
	● Battery charge indicator
Accessories	● Leaflet
	● Charger Li-ion USA (2811990), EU (2812016), UK (2812017), AU(2812015)

Applications



ROLLER
BLIND



PROJECTION
SCREEN

Accessories (Mandatory)

not included

ref:2811990 p.165



NO25 INBAT SW

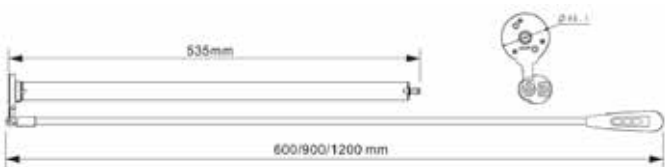


Optimum Ø25 DC Tubular Wand Switch Motor with Embedded Battery



Product description

Product name	● NO25 INBAT SW
	<i>Embedded battery wired motor with wand solution, enhance your customers motorization rate.</i>
Characteristics	● DC current - 12V
	● Wired Electronic, encoder based
	● In-Built battery chargeable with power supply (9 months autonomy)
	● Slow Start/Stop
Accessories	● Wand (3 lengths: 600mm 2371185, 900mm 2371188, 1200mm 2371191)
	● Charger USB Charger (not provided)



Applications



ROLLER
BLIND



PROJECTION
SCREEN

Accessories (Mandatory)

not included

ref:2811990 p.165

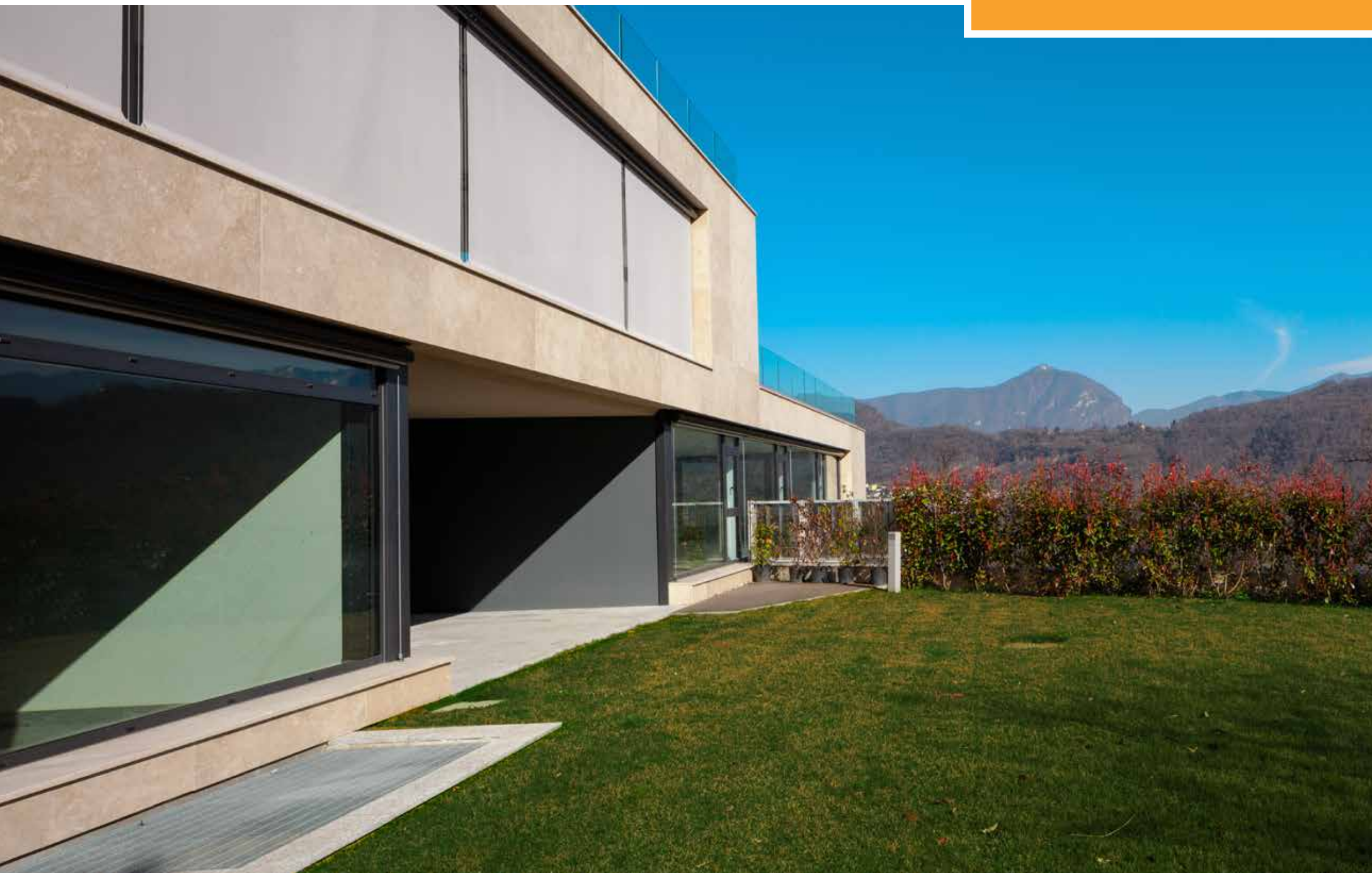


12V

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO25 INBAT/1.1-28-SW	2371053	1.1	28	1.1	IP20	∞	535	0.55



Ø 35 AC Tubular Motors



ROLLER
BLIND



PROJECTION
SCREEN



ROLLER
SHUTTER

NR0

Ø35 AC Wired Tubular Motor

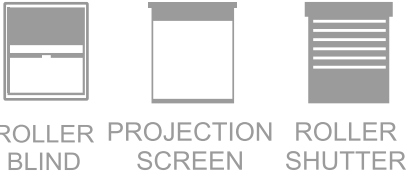


Product description

Product name	NR0
Characteristics	AC Current
	Wired Progressive Motor
	Available in 3 different frequencies: 230V/50Hz & 120V/60Hz & 220V/60Hz
Accessories	1 Setting tool
	Leaflet
	Square bracket premounted on the motor head



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR0/06-16	2370325	6	16	0.5	IP44	40	551	1.6
NR0/06-28	2370326	6	28	0.65	IP44	40	551	1.7
NR0/10-16	2370327	10	16	0.65	IP44	40	551	1.7
NP35/13-12	2371054	13	12	0.65	IP44	40	551	1.7

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR0/06-18	2371302	6	18	1.05	IP44	40	551	1.6
NR0/06-33	2371303	6	33	1.2	IP44	40	551	1.7
NR0/10-18	2371304	10	18	1.2	IP44	40	551	1.7

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR0/06-33	2371130	6	33	1.2	IP44	40	551	1.7



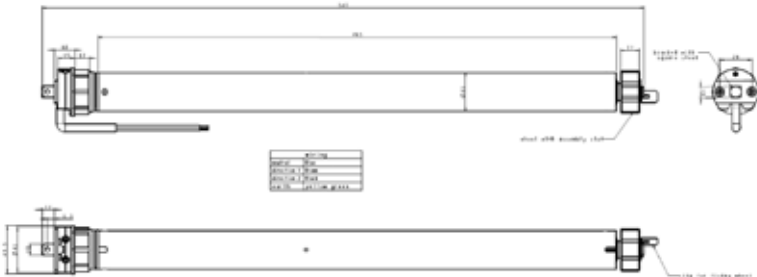
N035

Optimum Ø35 DC Wired Tubular Motor

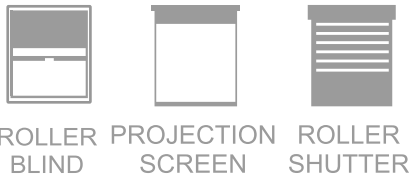


Product description

Product name	● NO35
Characteristics	● AC current
	● Wired Progressive Adjustment
	● Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	● Leaflet
	● Square bracket premounted on the motor head



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO35/06-28	2371081	6	28	0.65	IP44	35	540	1.7
NO35/10-16	2371018	10	16	0.65	IP44	35	540	1.7
NO35/13-12	2371095	13	12	0.65	IP45	35	540	1.7

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO35/06-33	2371097	6	33	1.2	IP44	35	540	1.7
NO35/10-18	2371098	10	18	1.2	IP44	35	540	1.7



NR0 Rn PA



Ø35 AC Radio PA Tubular Motor

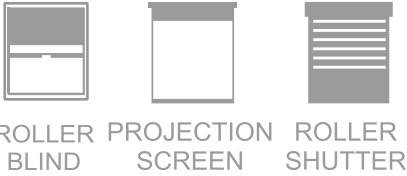


Product description

Product name	NR0 Rn PA
Characteristics	AC Current
	Radio Progressive Motor
	Available in 3 different frequencies: 230V/50Hz & 120V/60Hz & 220V/60Hz
Accessories	1 Setting tool
	Leaflet
	Square bracket premounted on the motor head



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR0/06-16-Rn PA	2370672	6	16	0.5	IP44	40	671	1.6
NR0/06-28-Rn PA	2370674	6	28	0.65	IP44	40	671	1.7
NR0/10-16-Rn PA	2370673	10	16	0.65	IP44	40	671	1.7
NP35/13-12-Rn PA	2371056	13	12	0.65	IP44	40	671	1.7

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR0/06-18-Rn PA	2370675	6	18	1.05	IP44	40	671	1.6
NR0/06-33-Rn PA	2370676	6	33	1.2	IP44	40	671	1.7
NR0/10-18-Rn PA	2370677	10	18	1.2	IP44	40	671	1.7

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR0/06-33-Rn PA	2371131	6	33	1.2	IP44	40	671	1.7



N035 Rn PA

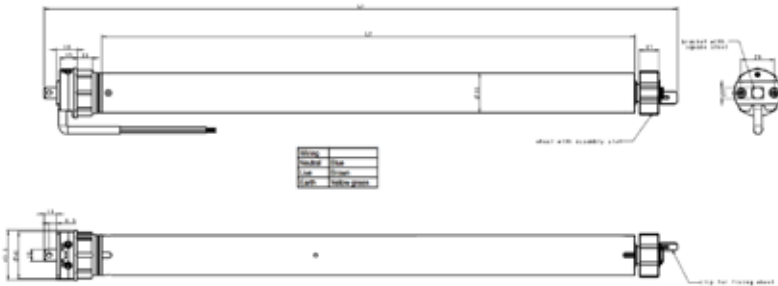


Optimum Ø35 AC Radio PA Tubular Motor

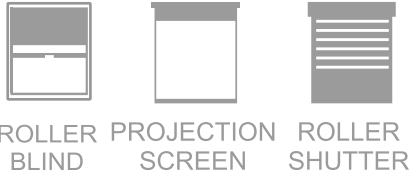


Product description

Product name	• NO35 Rn PA
Characteristics	• AC current
	• Radio Progressive Adjustment
	• Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	• Leaflet
	• Square bracket premounted on the motor head



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO35/06-28-Rn PA	2371082	6	28	0.65	IP44	35	660	1.8
NO35/10-16-Rn PA	2371019	10	16	0.65	IP44	35	660	1.8
NO35/13-12-Rn PA	2371096	13	12	0.65	IP44	35	660	1.8

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO35/06-33-Rn PA	2371099	6	33	1.2	IP44	35	660	1.8
NO35/10-18-Rn PA	2371100	10	18	1.2	IP44	35	660	1.8



NR0 Rn

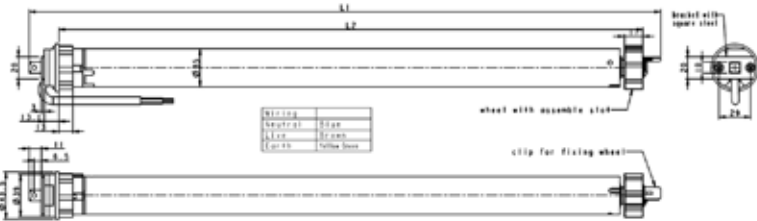


Ø35 AC Radio eLSU Tubular Motor

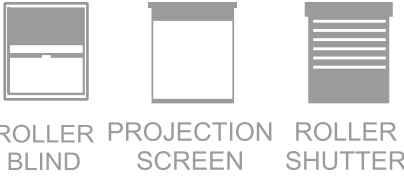


Product description

Product name	• NR0 Rn
Characteristics	• AC Current
	• Radio Electronic Motor
	• Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	• Leaflet
	• Square bracket premounted on the motor head



Applications

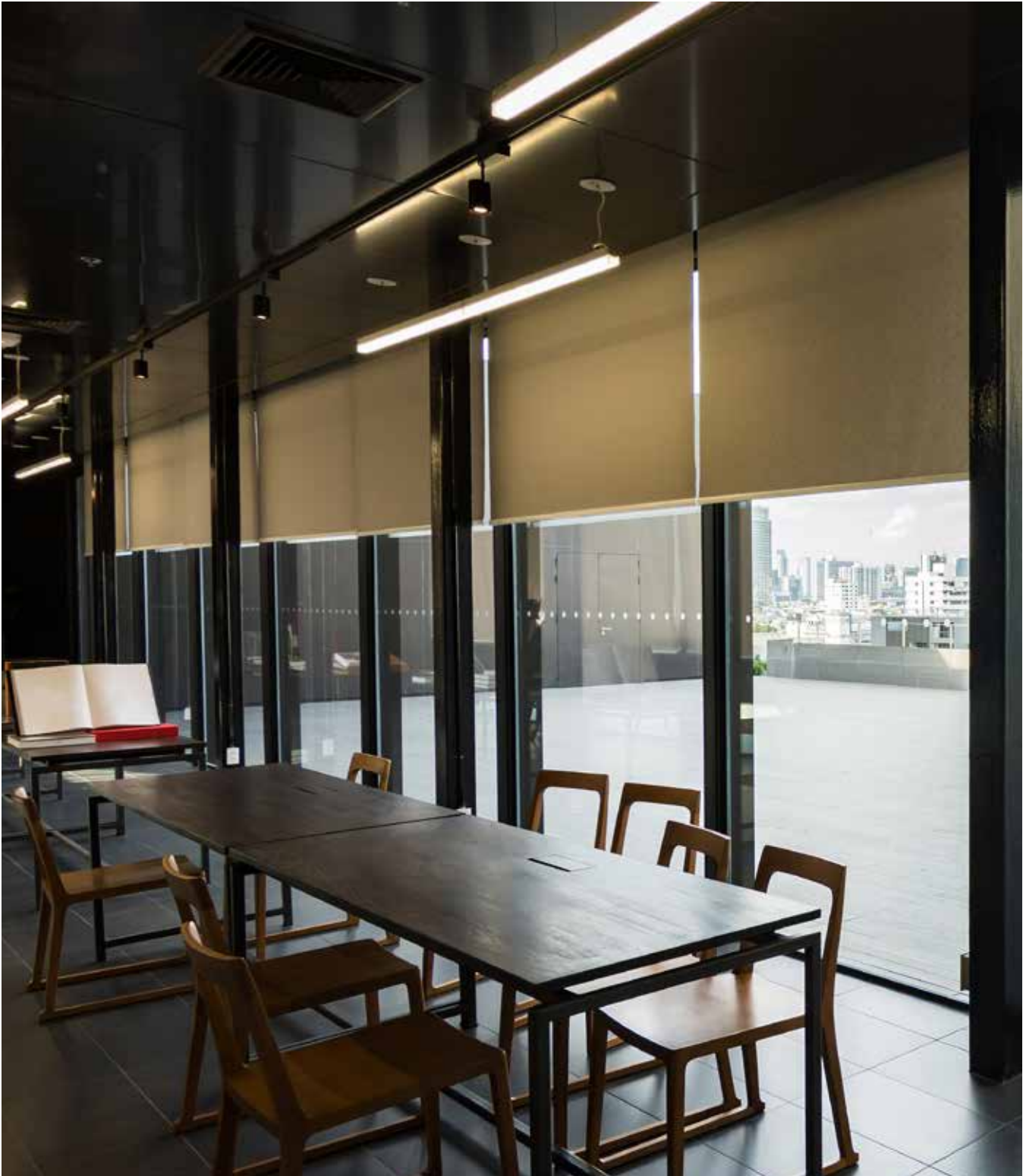


230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR0/06-16-Rn	2370634	6	16	0.5	IP44	∞	580	1.6
NR0/06-28-Rn	2370636	6	28	0.65	IP44	∞	580	1.7
NR0/10-16-Rn	2370635	10	16	0.65	IP44	∞	580	1.7
NP35/13-12-Rn	2371055	13	12	0.65	IP44	∞	552	1.6

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR0/06-18-Rn	2370637	6	18	1.05	IP44	∞	580	1.6
NR0/06-33-Rn	2370638	6	33	1.2	IP44	∞	580	1.7
NR0/10-18-Rn	2370639	10	18	1.2	IP44	∞	580	1.7



NP35 Q



Premium Ø35 AC Quiet Wired Tubular Motor



Product description

Product name	NP35 Q
	<i>This motor ensures quiet performance for all your indoor applications to maximize your comfort.</i>
Characteristics	- AC Current - Quiet motor - Wired Progressive Adjustment - Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	1 Setting tool - Leaflet - Square bracket premounted on the motor head



Applications



ROLLER
BLIND



PROJECTION
SCREEN



ROLLER
SHUTTER

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP35 Q/06-16	2370923	6	16	0.5	IP44	40	551	1.6
NP35 Q/06-28	2370922	6	28	0.65	IP44	40	551	1.7
NP35 Q/10-16	2370924	10	16	0.65	IP44	40	551	1.7

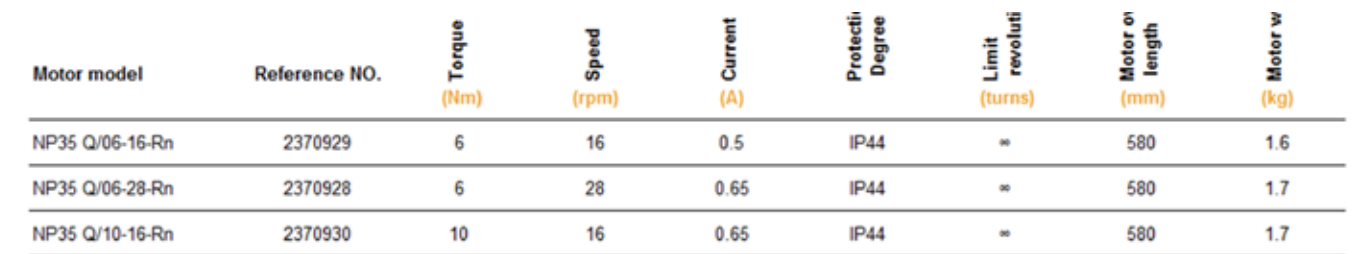
120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP35 Q/06-18	2370926	6	18	1.05	IP44	40	551	1.6
NP35 Q/06-33	2370925	6	33	1.2	IP44	40	551	1.7
NP35 Q/10-18	2370927	10	18	1.2	IP44	40	551	1.7



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ROLLER BLIND PROJECTION SCREEN ROLLER SHUTTER



Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP35 Q/06-18-Rn	2370932	6	18	1.05	IP44	∞	580	1.6
NP35 Q/06-33-Rn	2370931	6	33	1.2	IP44	∞	580	1.7
NP35 Q/10-18-Rn	2370933	10	18	1.2	IP44	∞	580	1.7



NP35 RS



Premium Ø35 AC Obstacle Detection & Freeze Protection Wired Motor



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP35 RS/10-16	2371258	10	16	0.65	IP44	infinite	604	1.7
NP35 RS/13-12	2371259	13	12	0.65	IP44	infinite	604	1.7



Product description

Product name	● NP35 RS
	<i>This device includes an obstacle detection with rebound as well as a freeze protection to prevent from cold weather conditions and condensation: upgraded technology for more safety.</i>
Characteristics	● AC Current
	● Obstacle detection with rebound & Freeze protection
	● Wired Electronic Adjustment
	● Available in 1 frequency: 230V/50Hz
Accessories	● Leaflet
	● Setting Switch (ref:2371046)
	● Compatible wheel : 2812216; 2811967



Applications



ROLLER SHUTTER

Accessories (Mandatory)

not included

ref:2371045 p.00



NP35 RS Rn

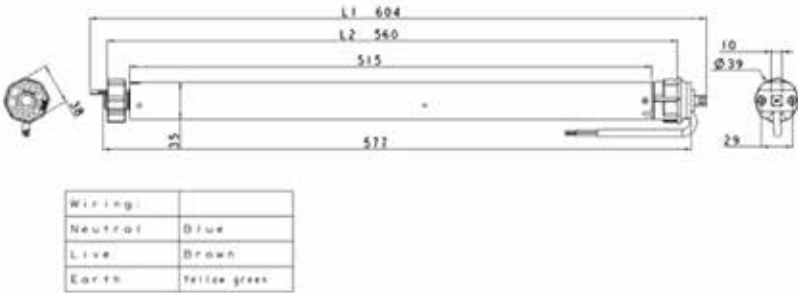


Premium Ø35 AC Obstacle Detection & Freeze Protection Radio eLSU Motor



Product description

Product name	● NP35 RS Rn
	<i>This device includes an obstacle detection with rebound as well as a freeze protection to prevent from cold weather conditions and condensation: upgraded technology for more safety and high quality.</i>
Characteristics	● AC Current
	● Obstacle detection with rebound & Freeze protection
	● Radio Electronic Adjustment
	● Available in 1 frequency: 230V/50Hz
Accessories	● Leaflet
	● Compatible wheel : 2812216; 2811967



Applications



ROLLER SHUTTER

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP35 RS/10-16-Rn	2371199	10	16	0.65	IP44	infinite	604	1.7
NP35 RS/13-12-Rn	2371200	13	12	0.65	IP44	infinite	604	1.7



NP35 S



Premium Ø35 AC Short Wired Tubular Motor



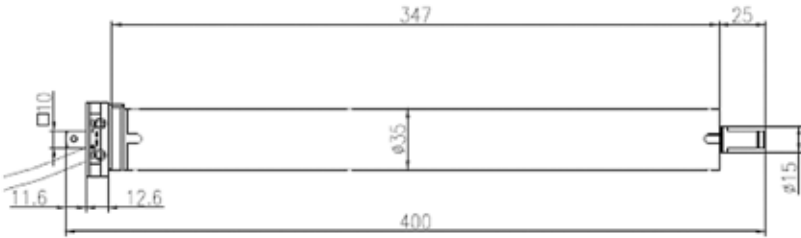
230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP35 S/10-15	2371260	10	15	0.6	IP44	16	400	1.17



Product description

Product name	● NP35 S
	Short motor especially made for roller shutter applications.
Characteristics	● AC Current
	● Wired Progressive Adjustment
	● Available in 1 frequency: 230V/50Hz
	● 400mm from motor head to end of output-shaft
Accessories	● 1 Special Setting tool: 2812228
	● Leaflet



Applications



ROLLER SHUTTER

Accessories (Mandatory)

not included

ref:2812228 p.00



NP35 DC

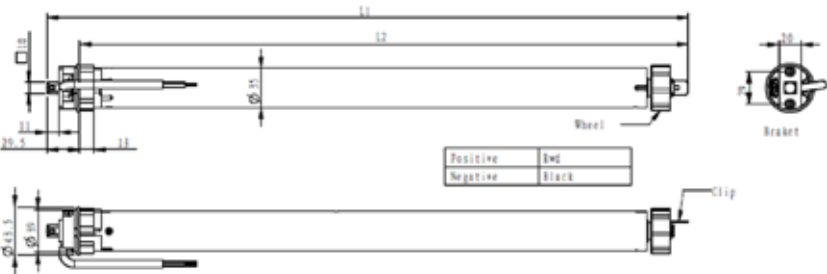


Premium Ø35 DC Wired Tubular Motor



Product description

Product name	● NP35 DC
	Upgrade your motorized roller shutter with a DC solution, for more convenience and stability.
Characteristics	● DC current - 12V
	● Wired Progressive Adjustment
Accessories	● 1 Setting tool
	● Leaflet



Applications



12V

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP35 DC/08-16	2371279	8	16	3.5	IP44	40	576	1.6



NP35 TL Rn



Premium Ø35 AC Tilting Radio eLSU Tubular Motor



Product description

Product name	● NP35 TL Rn
	<i>This motor ensures tilting and lifting performance for a perfect light adjustment.</i>
Characteristics	● AC current
	● Tilting motor for venetian and zebra blinds
	● Radio Electronic Adjustment
	● Available in 2 different frequencies: 230V/50Hz & 220V/60Hz
Accessories	● Leaflet



Applications



VENITIAN
BLIND

230V/50Hz

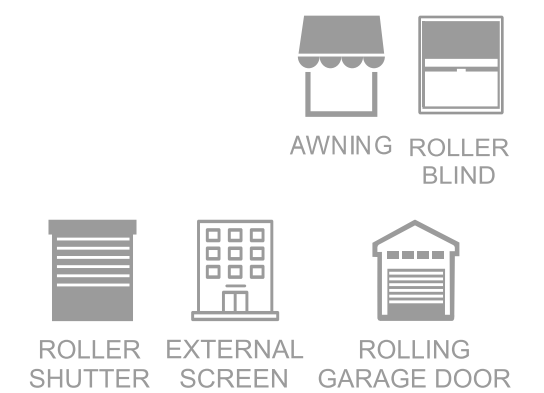
Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP35 TL/06-16-Rn	2370568	6	16	0.5	IP44	∞	580	1.6
NP35 TL/06-28-Rn	2370570	6	28	0.65	IP44	∞	580	1.7
NP35 TL/10-16-Rn	2370569	10	16	0.65	IP44	∞	580	1.7

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)	Radio Frequency (MHz)
NP35 TL/05-18-Rn	2370707	5	18	0.53	IP44	∞	580	1.6	447
NP35 TL/05-33-Rn	2371084	5	33	0.62	IP44	∞	580	1.7	447
NP35 TL/08-18-Rn	2371044	8	18	0.57	IP44	∞	580	1.7	447



Ø 45 AC Tubular Motors



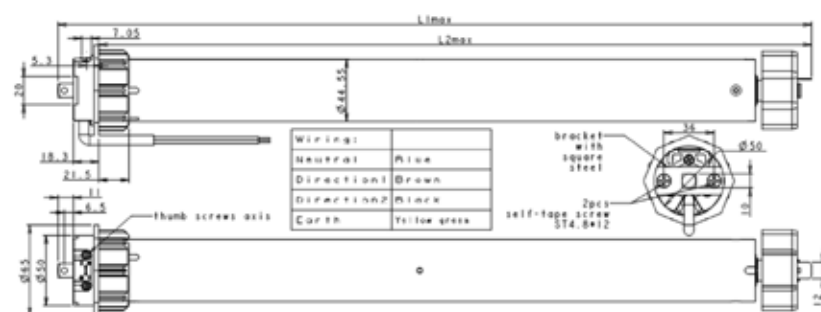
NR1

Ø45 AC Wired Tubular Motor



Product description

Product name	● NR1
Characteristics	● AC Current
	● Wired Progressive Motor
	● Available in 3 different frequencies: 230V/50Hz & 120V/60Hz & 220V/60Hz
Accessories	● 1 Setting tool
	● Leaflet
	● Square bracket premounted on the motor head



Applications



ROLLER
BLIND



ROLLER SHUTTER



PROJECTION
SCREEN



EXTERNAL
SCREEN



ROLLING
GARAGE DOOR



AWNING

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR1/05-28	2370334	5	28	0.55	IP44	30	545	2.18
NR1/08-16	2370335	8	16	0.45	IP44	30	545	2.18
NR1/10-16	2370336	10	16	0.55	IP44	30	545	2.18
NR1/10-28	2370343	10	28	0.75	IP44	30	580	2.32
NR1/15-16	2370337	15	16	0.7	IP45	31	580	2.32
NR1/15-28	2370344	15	28	0.85	IP44	30	610	2.74
NR1/20-16	2370338	20	16	0.8	IP44	30	580	2.48
NR1/20-28	2370345	20	28	1.25	IP44	30	610	2.8
NR1/30-12	2370340	30	12	0.9	IP44	30	610	2.8
NR1/30-16	2370339	30	16	1.1	IP44	30	610	2.74
NR1/40-12	2370341	40	12	1.1	IP44	30	610	2.8
NR1/50-12	2370342	50	12	1.2	IP44	30	610	2.8

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR1/05-33	2371305	5	33	1.1	IP44	30	545	2.18
NR1/08-18	2371306	8	18	1	IP44	30	545	2.18
NR1/10-18	2371307	10	18	1.1	IP44	30	545	2.18
NR1/10-33	2371321	10	33	1.6	IP44	30	580	2.48
NR1/15-18	2371308	15	18	1.3	IP44	30	580	2.32
NR1/20-18	2371309	20	18	1.6	IP44	30	580	2.48
NR1/30-18	2371310	30	18	2.2	IP44	30	610	2.74
NR1/40-14	2371311	40	14	2.2	IP44	30	610	2.8
NR1/50-14	2371312	50	14	2.5	IP44	30	610	2.8

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR1/50-14	2370278	50	14	1.12	IP44	30	610	2.8



CE

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LianDa company **79**

A modern, two-story house with a dark exterior, large windows, and a balcony, set against a clear blue sky. The house features a mix of dark grey or black siding, light-colored horizontal wood slats, and large glass windows and doors. A balcony with a glass railing is visible on the upper level. The house is surrounded by greenery, including a large tree on the left and some shrubs in the foreground. The overall style is contemporary and minimalist.

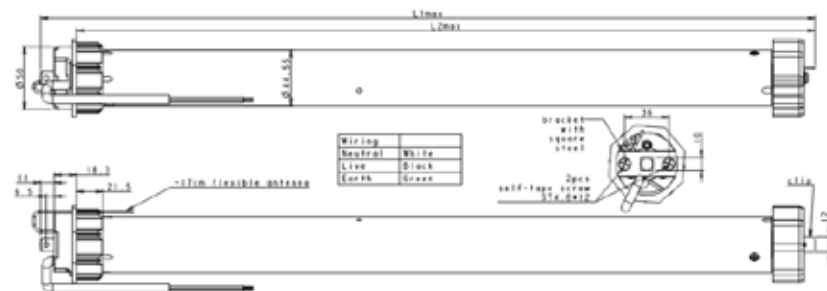
NR1 Rn PA

Ø45 AC Radio PA Tubular Motor



Product description

Product name	● NR1 Rn PA
Characteristics	● AC Current
	● Radio Progressive Motor
	● Available in 3 different frequencies: 230V/50Hz & 120V/60Hz & 220V/60Hz
Accessories	● 1 Setting tool
	● Leaflet
	● Square bracket premounted on the motor head



Applications



ROLLER BLIND



ROLLER SHUTTER



PROJECTION
SCREEN



EXTERNAL
SCREEN



L ROLLING GARAGE DOOR



AWNING

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR1/08-16-Rn PA	2370619	8	16	0.45	IP44	30	655	2.48
NR1/10-16-Rn PA	2370620	10	16	0.53	IP44	30	655	2.48
NR1/15-16-Rn PA	2370621	15	16	0.66	IP44	30	690	2.62
NR1/20-16-Rn PA	2370622	20	16	0.75	IP44	30	690	2.78
NR1/30-16-Rn PA	2370623	30	16	1.05	IP44	30	720	3.04
NR1/30-12-Rn PA	2370624	30	12	0.88	IP44	30	720	3.04
NR1/40-12-Rn PA	2370625	40	12	1.05	IP44	30	720	3.1
NR1/50-12-Rn PA	2370626	50	12	1.19	IP44	30	720	3.1
NR1/10-28-Rn PA	2370618	10	28	0.77	IP44	30	655	2.78
NR1/5-28-Rn PA	2370617	5	28	0.53	IP44	30	655	2.48

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR1/08-18-Rn PA	2370678	8	18	1	IP44	30	655	2.48
NR1/10-18-Rn PA	2370679	10	18	1.1	IP44	30	655	2.48
NR1/15-18-Rn PA	2370680	15	18	1.3	IP44	30	690	2.62
NR1/20-18-Rn PA	2370681	20	18	1.6	IP44	30	690	2.78
NR1/30-18-Rn PA	2370682	30	18	2.2	IP44	30	720	3.04
NR1/40-14-Rn PA	2370683	40	14	2.2	IP44	30	720	3.1
NR1/50-14-Rn PA	2370684	50	14	2.5	IP44	30	720	3.1
NR1/05-33-Rn PA	2370685	5	33	1.1	IP44	30	655	2.48
NR1/10-33-Rn PA	2370686	10	33	1.6	IP44	30	690	2.78

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)	Radio Frequency (MHz)
NR1/50-14-Rn PA	2370515	50	14	2.5	IP44	30	720	3.1	433.92 & 447



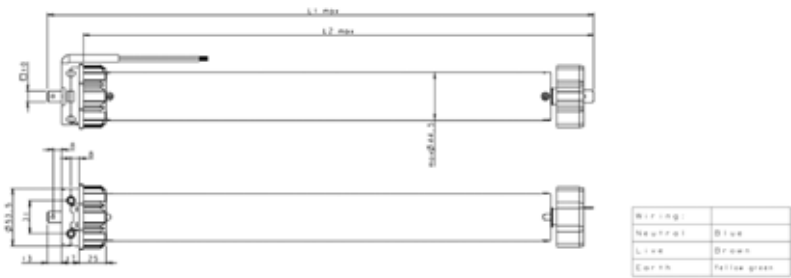
N045 Rn PA

Optimum Ø45 AC Radio PA Tubular Motor



Product description

Product name	• NO45 Rn PA
	<i>A smart choice to motorize rolling shutters.</i>
Characteristics	• AC Current
	• Radio Progressive Adjustment
	• Available in 3 different frequencies: 230V/50Hz & 120V/60Hz & 220V/60Hz
Accessories	• Leaflet
	• Square bracket premounted on the motor head



Applications

ROLLER BLIND

ROLLER SHUTTER

PROJECTION SCREEN

EXTERNAL SCREEN

ROLLING GARAGE DOOR

AWNING

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO45/15-16-Rn PA	2371022	15	16	0.7	IP44	20	685	2.5
NO45/20-16-Rn PA	2371023	20	16	0.8	IP44	20	685	2.6
NO45/50-12-Rn PA	2371103	50	12	1.12	IP44	20	720	2.8

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO45/15-18-Rn PA	2371109	15	18	1.3	IP44	20	690	2.62
NO45/50-14-Rn PA	2371175	50	14	2.5	IP44	20	720	3.1

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)	Radio Frequency (MHz)
NO45/50-14-Rn PA	2371233	50	14	1.12	IP44	20	720	3.1	447



NR1 Rn

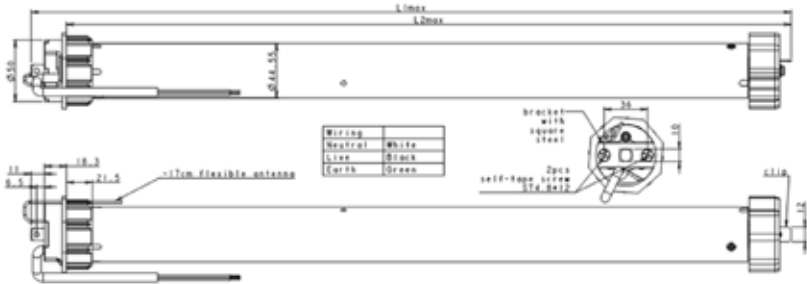


Ø45 AC Radio eLSU Tubular Motor



Product description

Product name	● NR1 Rn
Characteristics	● AC Current
	● Radio Electronic Motor
	● Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	● 1 Setting tool
	● Leaflet



Applications

ROLLER
BLIND

ROLLER
SHUTTER

PROJECTION
SCREEN

EXTERNAL
SCREEN

ROLLING
GARAGE DOOR

AWNING

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR1/05-28-Rn	2370648	5	28	0.55	IP44	∞	606	2.18
NR1/08-16-Rn	2370640	8	16	0.45	IP44	∞	606	2.18
NR1/10-16-Rn	2370641	10	16	0.55	IP44	∞	606	2.18
NR1/10-28-Rn	2370649	10	28	0.75	IP44	∞	636	2.48
NR1/15-16-Rn	2370642	15	16	0.7	IP44	∞	636	2.32
NR1/20-16-Rn	2370643	20	16	0.8	IP44	∞	636	2.48
NR1/30-12-Rn	2370645	30	12	0.9	IP44	∞	666	2.7
NR1/30-16-Rn	2370644	30	16	1.1	IP44	∞	666	2.74
NR1/40-12-Rn	2370646	40	12	1.1	IP44	∞	666	2.8
NR1/50-12-Rn	2370647	50	12	1.12	IP44	∞	666	2.8

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR1/05-33-Rn	2370657	5	33	1.1	IP44	∞	606	2.48
NR1/08-18-Rn	2370650	8	18	1	IP44	∞	606	2.48
NR1/10-18-Rn	2370651	10	18	1.1	IP44	∞	606	2.48
NR1/10-33-Rn	2370658	10	33	1.6	IP44	∞	636	2.78
NR1/15-18-Rn	2370652	15	18	1.3	IP44	∞	636	2.62
NR1/20-18-Rn	2370653	20	18	1.6	IP44	∞	636	2.78
NR1/30-18-Rn	2370654	30	18	2.2	IP44	∞	666	3.04



NM1



Ø45 AC Manual Override Wired Tubular Motor

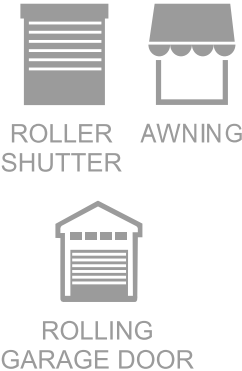


Product description

Product name	● NM1
	<i>Manual override solution in case of power failure, ideal for external access solutions.</i>
Characteristics	● AC Current
	● Wired Progressive Adjustment
	● Motorized control & Manual operation
	● Available in 2 different frequencies: 230V/50Hz & 220V/60Hz
Accessories	● 1 Setting tool
	● Leaflet
	● Square bracket premounted on the motor head
	● Eye outlet (not included)



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NM1/20-16	2370374	20	16	0.8	IP44	30	622	3.14
NM1/30-12	2370376	30	12	0.9	IP44	30	652	3.46
NM1/30-16	2370375	30	16	1.1	IP44	30	652	3.4
NM1/40-12	2370377	40	12	1.1	IP44	30	652	3.5
NM1/50-12	2370378	50	12	1.2	IP44	30	652	3.51

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NM1/20-18	2370237	20	18	1.6	IP44	30	622	3.14
NM1/50-14	2370238	50	14	2.2	IP44	30	652	3.5



NOM45

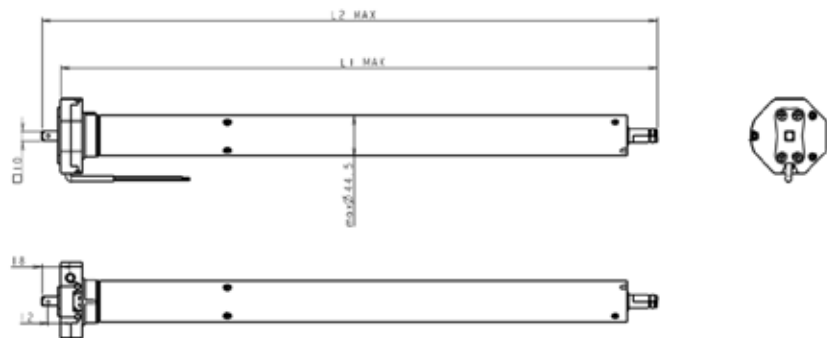


Optimum Ø45 AC Manual Override Wired Tubular Motor

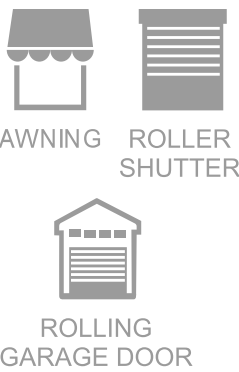


Product description

Product name	NOM45
	<i>Manual override solution in case of power failure, ideal for external access solutions.</i>
Characteristics	- AC Current - Motorized control & Manual operation - Wired Progressive Adjustment - Available in 1 frequency: 230V/50Hz
Accessories	- Leaflet - Eye outlet (not included)



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NOM45/20-16	2371104	20	16	0.8	IP44	20	622	3.14
NOM45/30-16	2371105	30	16	1.1	IP44	20	652	3.46
NOM45/50-12	2371106	50	12	1.2	IP44	20	652	3.51



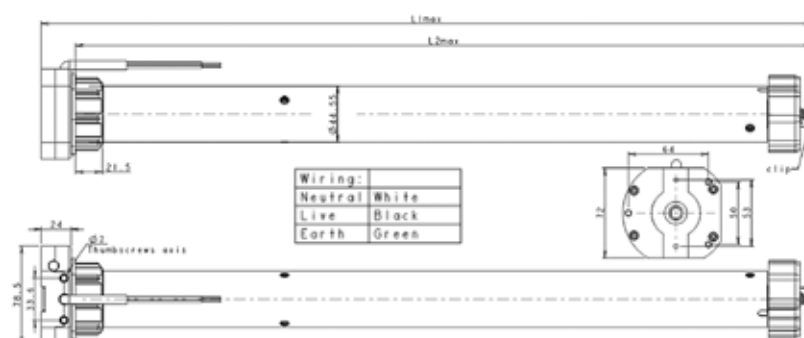
NM1 Rn PA

Ø45 AC Manual Override Radio PA Tubular Motor



Product description

Product name	NM1 Rn PA
	<i>Manual override solution in case of power failure, ideal for external access solutions.</i>
Characteristics	AC Current
	Radio Progressive Motor
	Motorized control & Manual operation
	Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	1 Setting tool
	Leaflet
	Square bracket premounted on the motor head
	Eye outlet (not included)



Applications



ROLLER SHUTTER



AWNING



ROLLING GARAGE DOOR

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NM1/20-16-Rn PA	2370695	20	16	0.8	IP44	30	784	3.2
NM1/30-12-Rn PA	2370697	30	12	0.9	IP44	30	814	3.56
NM1/30-16-Rn PA	2370696	30	16	1.1	IP44	30	814	6.5
NM1/40-12-Rn PA	2370698	40	12	1.1	IP44	30	814	3.6
NM1/50-12-Rn PA	2370699	50	12	1.2	IP44	30	814	3.65

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NM1/20-18-Rn PA	2370700	20	18	1.6	IP44	30	789	3.44
NM1/30-18-Rn PA	2370701	30	18	2.2	IP44	30	819	3.7
NM1/40-14-Rn PA	2370702	40	14	2.2	IP44	30	819	3.78
NM1/50-14-Rn PA	2370703	50	14	2.2	IP44	30	819	3.8



NP45 S

Premium Ø45 AC Short Wired Tubular Motor



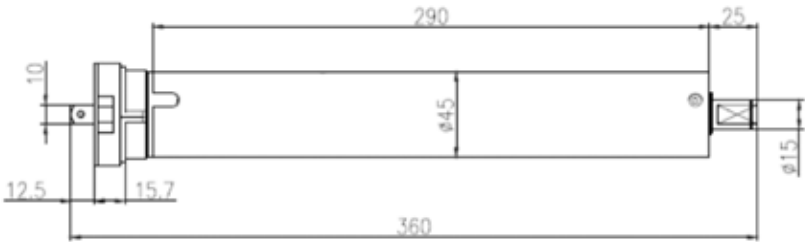
230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP45 S/10-15	2371165	10	15	0.54	IP44	16	360	1.52



Product description

Product name	NP45 S
Characteristics	Short motor especially made for roller shutter applications.
Characteristics	AC Current
Characteristics	Wired Progressive Adjustment
Characteristics	Available in 1 frequency: 230V/50Hz
Characteristics	360mm from motor head to end of output-shaft
Accessories	1 Setting tool
Accessories	Leaflet



Applications



NP45 EXB Rn

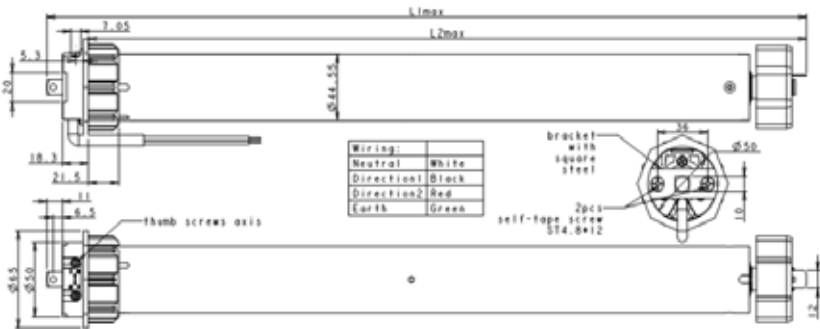


Premium Ø45 AC External Screen Radio eLSU Tubular Motor



Product description

Product name	● NP45 EXB Rn
	<i>Especially designed for external zip screens, this device includes an obstacle detection with rebound function.</i>
Characteristics	● AC Current
	● Radio Electronic Adjustment
	● Obstacle detection with rebound
	● Botom bar auto-lock and manual lock
	● Available in 1 frequency: 230V/50Hz
Accessories	● Leaflet
	● Square bracket premounted on the motor head
	● Compatible wheel : 2811863, 2811864, 2811877, 2811979, 2811967



Applications



EXTERNAL
SCREEN

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP45 EXB/10-16-Rn	2371057	10	16	0.55	IP44	∞	620	2.18
NP45 EXB/20-16-Rn	2371058	20	16	0.8	IP44	∞	650	2.48



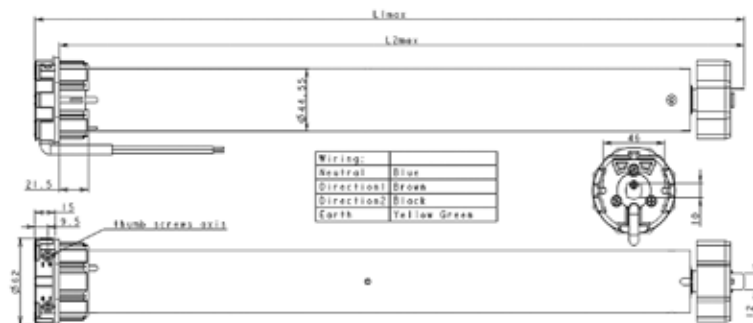
NPK45

Premium Ø45 AC Clippable Head Wired Tubular motor



Product description

Product name	● NPK45
	<i>Ease your installation with our clippable head motor.</i>
Characteristics	● AC Current ● Clippable head ● Wired Progressive Adjustment ● Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	● 1 Setting tool ● Leaflet



Applications



ROLLER SHUTTER

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NPK45/05-28	2370365	5	28	0.55	IP44	30	530	2.18
NPK45/08-16	2370358	8	16	0.45	IP44	30	530	2.18
NPK45/10-16	2370359	10	16	0.55	IP44	30	530	2.18
NPK45/15-16	2370360	15	16	0.7	IP44	30	565	2.32
NPK45/20-16	2370361	20	16	0.8	IP44	30	565	2.48
NPK45/30-16	2370362	30	16	1.1	IP44	30	595	2.74
NPK45/30-12	2370363	30	12	0.9	IP44	30	595	2.8
NPK45/40-12	2370364	40	12	1.1	IP44	30	595	2.8
NPK45/50-12	2370315	50	12	1.12	IP44	30	595	2.8

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NPK45/05-33	2370824	5	33	1.1	IP44	30	530	2.18
NPK45/08-18	2370825	8	18	1	IP44	30	530	2.18
NPK45/10-18	2370826	10	18	1.1	IP44	30	530	2.18
NPK45/15-18	2370827	15	18	1.3	IP44	30	565	2.32
NPK45/20-18	2370829	20	18	1.6	IP44	30	565	2.48



NPK45 Rn



Premium Ø45 AC Clippable Head Radio eLSU motor

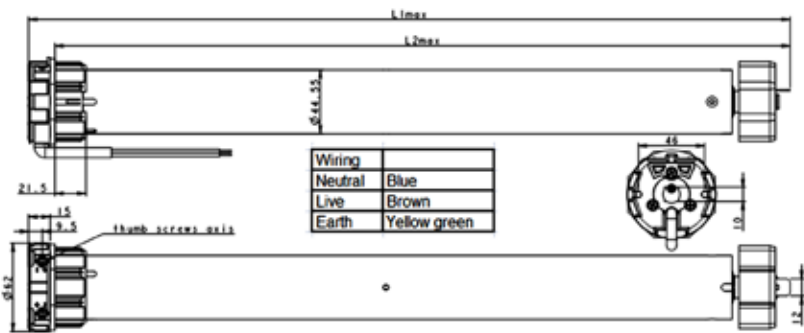


230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NPK45/08-16-Rn	2370659	8	16	0.45	IP44	∞	655	2.48
NPK45/10-16-Rn	2370660	10	16	0.55	IP44	∞	655	2.48
NPK45/15-16-Rn	2370661	15	16	0.7	IP44	∞	690	2.62
NPK45/20-16-Rn	2370662	20	16	0.8	IP44	∞	690	2.78
NPK45/30-16-Rn	2370663	30	16	1.1	IP44	∞	720	3.04
NPK45/30-12-Rn	2370664	30	12	0.9	IP44	∞	720	3.04
NPK45/40-12-Rn	2370665	40	12	1.1	IP44	∞	720	3.1
NPK45/50-12-Rn	2370666	50	12	1.12	IP44	∞	720	3.1

Product description

Product name	• NPK45 Rn
	Ease your installation with our clippable head motor.
Characteristics	• AC Current
	• Clippable head
	• Radio Electronic Adjustment
	• Available in 1 frequency: 230V/50Hz
Accessories	• Leaflet



Applications



ROLLER SHUTTER



NP45 RS



Premium Ø45 AC Obstacle Detection & Freeze Protection Wired motor



WIRED

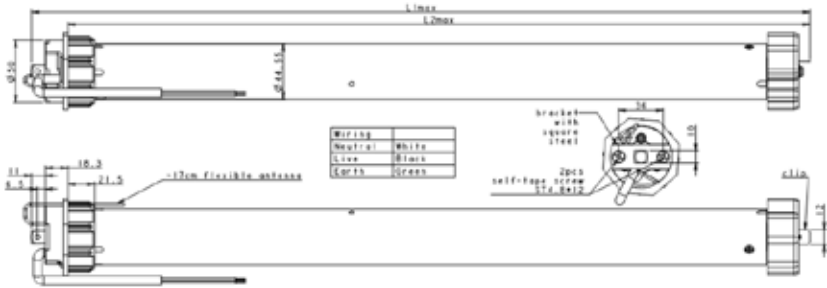


Obstacle
detection



Product description

Product name	● NP45 RS
Characteristics	<i>This device includes an obstacle detection with rebound as well as a freeze protection to prevent from cold weather conditions and condensation: upgraded technology for more safety and high quality.</i> ● AC Current ● Obstacle detection with rebound & Freeze protection ● Wired Electronic Adjustment ● Available in 1 frequency: 230V/50Hz
Accessories	● Leaflet ● Setting Switch (ref:2371046) ● Compatible wheel : 2811863, 2811864, 2811877, 2811979, 2811967



Applications



ROLLER
SHUTTER

Accessories (Mandatory)

not included

ref:2371045 p.00



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP45 RS/10-16	2371030	10	16	0.55	IP44	∞	636	2.5
NP45 RS/15-16	2371031	15	16	0.7	IP44	∞	666	2.7
NP45 RS/20-16	2371032	20	16	0.8	IP44	∞	666	2.7
NP45 RS/30-12	2371033	30	12	0.9	IP44	∞	696	2.8
NP45 RS/30-16	2371047	30	16	1.1	IP44	∞	696	3
NP45 RS/40-12	2371034	40	12	1.1	IP44	∞	696	3
NP45 RS/50-12	2371035	50	12	1.12	IP44	∞	696	3



NP45 RS Rn

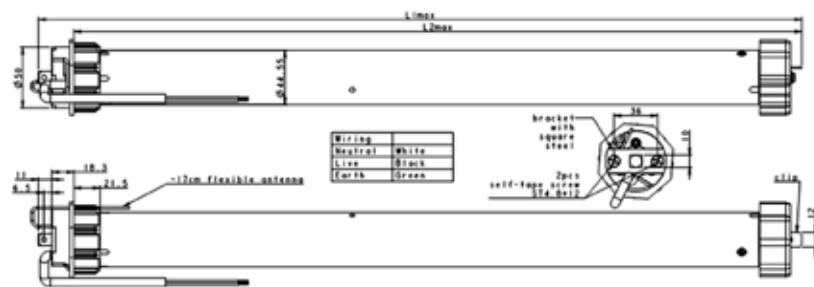


Premium Ø45 AC Obstacle Detection & Freeze Protection Radio eLSU motor



Product description

Product name	● NP45 RS Rn
Characteristics	<i><u>This device includes an obstacle detection with rebound as well as a freeze protection to prevent from cold weather conditions and condensation: upgraded technology for more safety and high quality.</u></i> ● AC Current ● Obstacle detection with rebound & Freeze protection ● Radio Electronic Adjustment ● Available in 1 frequency: 230V/50Hz
Accessories	● Leaflet ● Compatible wheel : 2811863, 2811864, 2811877, 2811979, 2811967



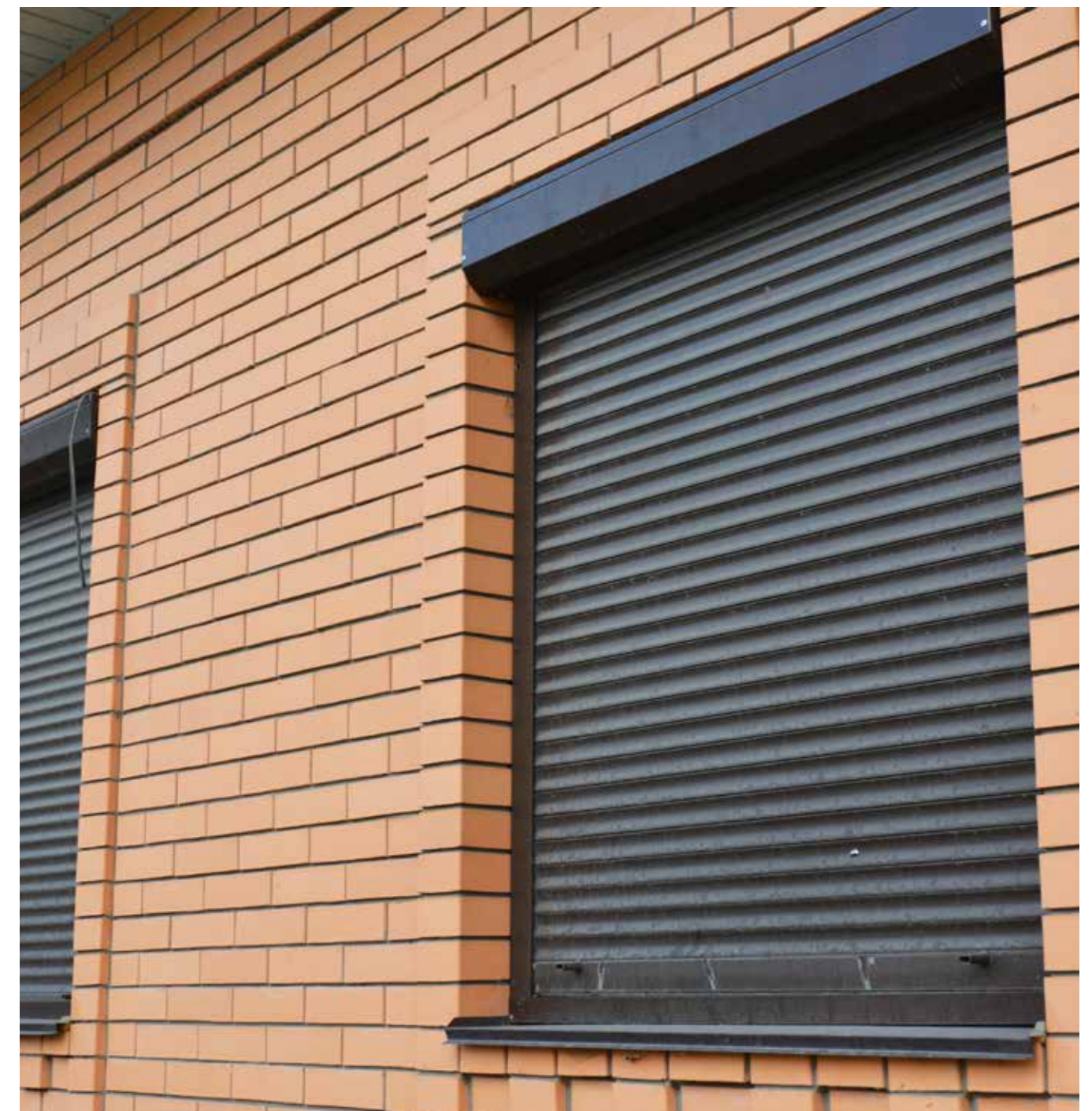
Applications



ROLLER SHUTTER

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP45 RS/10-16-Rn	2370059	10	16	0.55	IP44	∞	660	2.5
NP45 RS/15-16-Rn	2370083	15	16	0.7	IP44	∞	660	2.7
NP45 RS/20-16-Rn	2370425	20	16	0.8	IP44	∞	660	2.7
NP45 RS/30-16-Rn	2370608	30	16	1.1	IP44	∞	665	3
NP45 RS/30-12-Rn	2370609	30	12	1.1	IP44	∞	695	3
NP45 RS/40-12-Rn	2370610	40	12	1.1	IP44	∞	695	3
NP45 RS/50-12-Rn	2370611	50	12	1.12	IP44	∞	695	3



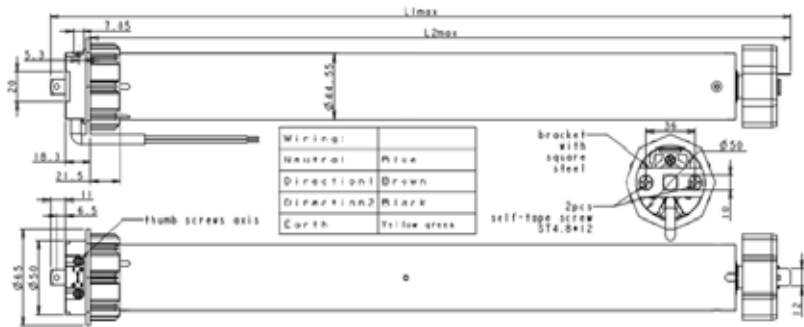
NP45 SKL

Premium Ø45 AC Skylight Wired Tubular motor



Product description

Product name	NP45 SKL
	Motor especially designed for wide window applications.
Characteristics	- AC Current - Designed for skylight, compatible with long blinds (15m) - Wired Progressive Adjustment - Available in 2 frequencies: 230V/50Hz & 120V/60Hz
Accessories	1 Setting tool - Leaflet - Square bracket premounted on the motor head



Applications



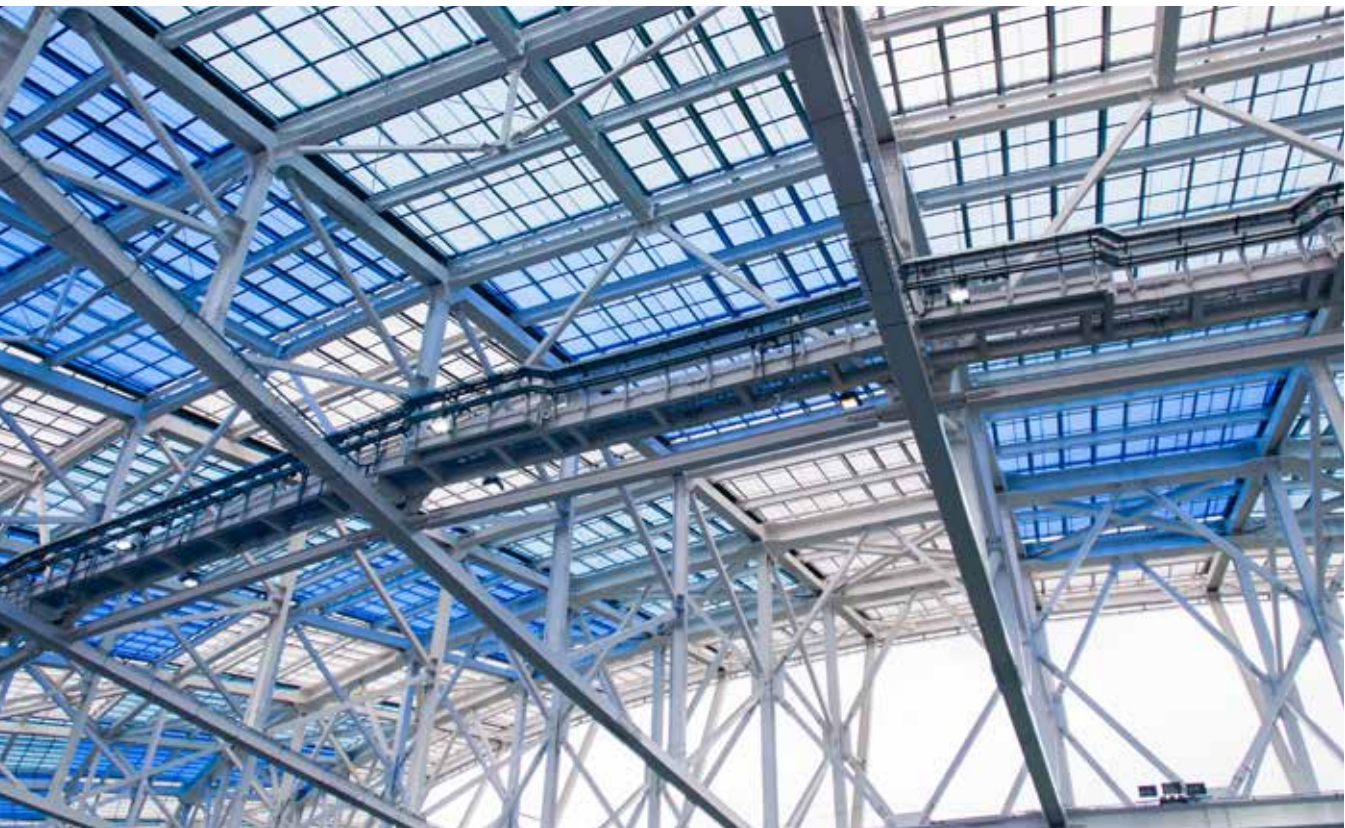
SKYLIGHT

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP45 SKL/10-16	2370888	10	16	0.55	IP44	45	545	2.18
NP45 SKL/10-28	2370886	10	28	0.75	IP44	45	580	2.32
NP45 SKL/15-16	2370889	15	16	0.7	IP44	45	580	2.32
NP45 SKL/15-28	2370887	15	28	0.85	IP44	45	610	2.74
NP45 SKL/20-16	2370890	20	16	0.8	IP44	45	580	2.48
NP45 SKL/30-16	2370891	30	16	1.1	IP44	45	610	2.74
NP45 SKL/40-12	2370892	40	12	1.1	IP44	45	610	2.8
NP45 SKL/50-12	2370893	50	12	1.12	IP44	45	610	2.8

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP45 SKL/10-18	2370895	10	18	1.1	IP44	45	580	2.58
NP45 SKL/10-33	2370894	10	33	1.6	IP44	45	670	3.68
NP45 SKL/15-18	2370896	15	18	1.0	IP44	45	610	2.72
NP45 SKL/20-18	2370897	20	18	1.6	IP44	45	610	2.82
NP45 SKL/30-18	2370898	30	18	2.2	IP44	45	670	3.54
NP45 SKL/40-14	2370899	40	14	2.2	IP44	45	670	3.6
NP45 SKL/50-14	2370900	50	14	2.5	IP44	45	670	3.6



NP45 SKL Rn PA



Premium Ø45 AC Skylight Radio PA Tubular Motor



Product description

Product name	NP45 SKL Rn PA
	<i>Motor especially designed for wide window applications.</i>
Characteristics	- AC Current - Designed for skylight, compatible with long blinds (15m) - Radio Progressive Adjustment - Available in 1 frequency: 230V/50Hz
Accessories	1 Setting tool - Leaflet - Square bracket premounted on the motor head



Applications



SKYLIGHT

230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP45 SKL/10-16-Rn PA	2370627	10	16	0.55	IP44	45	647	2.1
NP45 SKL/15-16-Rn PA	2370628	15	16	0.7	IP44	45	647	2.1
NP45 SKL/20-16-Rn PA	2370629	20	16	0.8	IP44	45	647	2.2
NP45 SKL/30-12-Rn PA	2370631	30	12	0.9	IP44	45	712	2.5
NP45 SKL/30-16-Rn PA	2370630	30	16	1.1	IP44	45	712	2.6
NP45 SKL/40-12-Rn PA	2370632	40	12	1.1	IP44	45	712	2.6
NP45 SKL/50-12-Rn PA	2370633	50	12	1.2	IP44	45	712	2.6



NP45 DC



Premium Ø45 DC Wired Tubular Motor



Product description

Product name	● NP45 DC
	Upgrade your motorized roller shutter with a DC solution, for more convenience and stability.
Characteristics	● DC current - 12V
	● Wired Progressive Adjustment
Accessories	● 1 Setting tool
	● Leaflet



Applications



ROLLER SHUTTER

12V

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NP45 DC/15-16	2371280	15	16	4	IP44	30	575	2.32
NP45 DC/35-08	2371281	35	8	5	IP44	30	605	2.48



Ø 59 & Ø 60 AC Tubular Motors



AWNING



ROLLER
SHUTTER



ROLLING
GARAGE DOOR

NR2

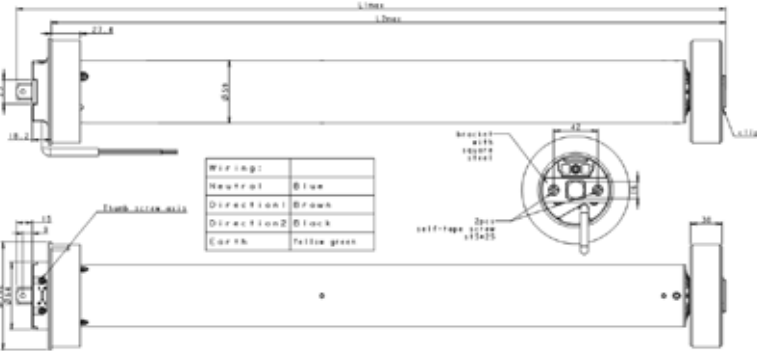


Ø59 AC Wired Tubular Motor



Product description

Product name	● NR2
Characteristics	● AC Current
	● Wired Progressive Motor
	● Available in 3 different frequencies: 230V/50Hz & 120V/60Hz & 220V/60Hz
Accessories	● 1 Setting tool
	● Leaflet
	● Square bracket premounted on the motor head



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR2/60-12	2370384	60	12	1.3	IP44	23	674	6.4
NR2/80-12	2370385	80	12	1.6	IP44	23	674	6.4
NR2/100-12	2370386	100	12	2	IP44	23	674	6.45
NR2/140-8	2370387	140	8	2	IP44	23	674	6.5

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR2/60-14	2371313	60	14	3	IP44	23	674	6.4
NR2/80-14	2371314	80	14	3.4	IP44	23	674	6.4
NR2/100-14	2371315	100	14	3.8	IP44	23	674	6.45
NR2/140-9	2371316	140	9	3.7	IP44	23	674	6.4

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR2/100-14	2370279	100	14	3.8	IP44	23	674	6.45



NO60

Optimum Ø60 AC Wired Tubular Motor



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO60/100-12	2371077	100	12	1.6	IP44	22	660	5.1
NO60/140-8	2371078	140	8	1.77	IP44	22	660	5.2

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NO60/100-14	2371250	100	14	1.94	IP44	22	660	5.1

Product description

Product name	NO60
Characteristics	- AC Current - Wired Progressive Adjustment - Available in 2 frequencies: 230V/50Hz & 220V/60Hz
Accessories	- Leaflet - Square bracket premounted on the motor head

Applications



ROLLER
SHUTTER



ROLLING
GARAGE DOOR



AWNING



NR2 Rn PA

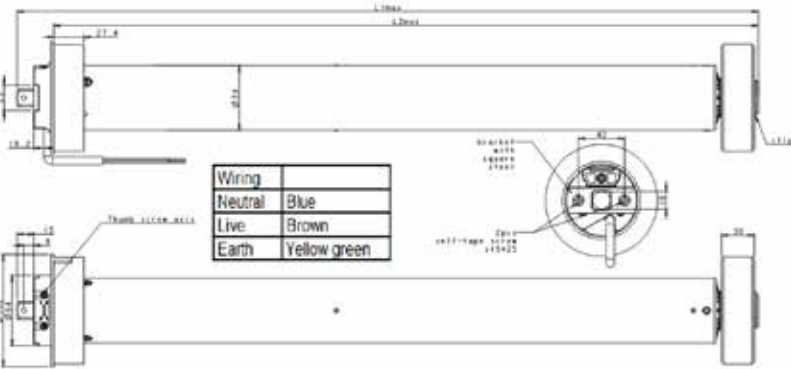


Ø59 AC Radio PA Tubular Motor



Product description

Product name	NR2 Rn PA
Characteristics	AC Current
	Radio Progressive Motor
	Available in 3 different frequencies: 230V/50Hz & 120V/60Hz & 220V/60Hz
Accessories	1 Setting tool
	Leaflet
	Square bracket premounted on the motor head



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR2/60-12-Rn PA	2370687	60	12	1.3	IP44	23	804	6.4
NR2/80-12-Rn PA	2370688	80	12	1.6	IP44	23	804	6.4
NR2/100-12-Rn PA	2370689	100	12	2	IP44	23	804	6.45
NR2/140-8-Rn PA	2370690	140	8	2	IP44	23	804	6.5

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR2/60-14-Rn PA	2370691	60	14	1.3	IP44	23	804	6.4
NR2/80-14-Rn PA	2370692	80	14	1.6	IP44	23	804	6.4
NR2/100-14-Rn PA	2370693	100	14	2	IP44	23	804	6.45
NR2/140-9-Rn PA	2370694	140	9	2	IP44	23	804	6.5

220V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)	Radio Frequency (MHz)
NR2/100-14-Rn PA	2370995	100	14	2	IP44	23	804	6.45	433.92 & 447



NR2 Rn

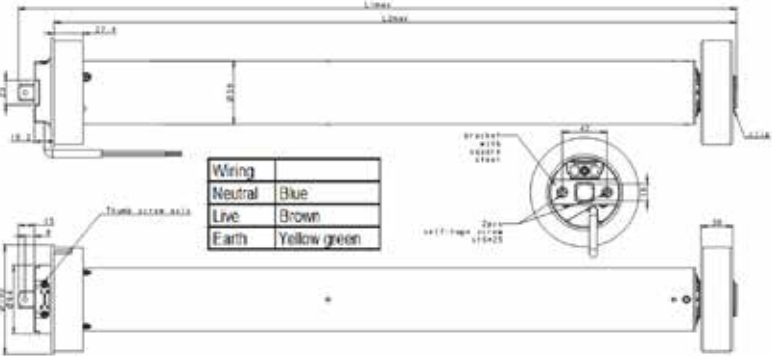


Ø59 AC Radio eLSU Tubular Motor



Product description

Product name	• NR2 Rn
Characteristics	• AC Current
	• Radio Electronic Motor
	• Available in 1 frequency: 230V/50Hz
Accessories	• Leaflet
	• Square bracket premounted on the motor head



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NR2/60-12-Rn	2370668	60	12	1.3	IP44	∞	744	6.4
NR2/80-12-Rn	2370669	80	12	1.6	IP44	∞	744	6.4
NR2/100-12-Rn	2370670	100	12	2	IP44	∞	744	6.45
NR2/140-8-Rn	2370671	140	8	2	IP44	∞	744	6.5



NM2



Ø59 AC Manual Override Wired Tubular Motor

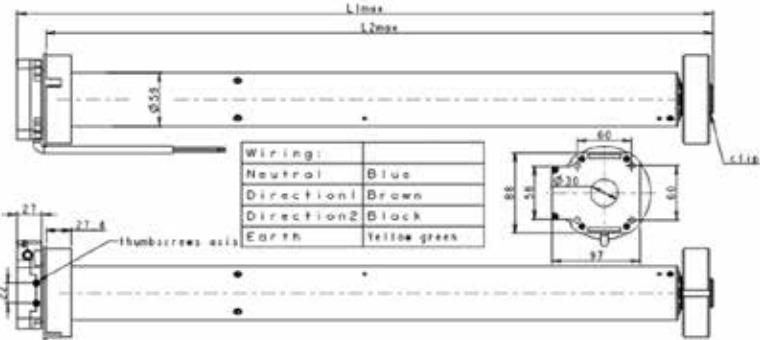


230V/50Hz

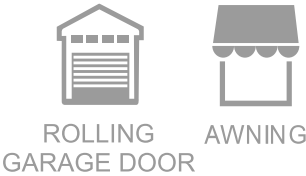
Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NM2/60-12-Rn PA	2370704	60	12	1.3	IP44	23	904	8.4
NM2/80-12-Rn PA	2370705	80	12	1.6	IP44	23	904	8.4
NM2/100-12-Rn PA	2370706	100	12	2	IP44	23	904	8.45
NM2/140-8-Rn PA	2370708	140	8	2	IP44	23	904	8.5

Product description

Product name	● NM2
	Manual override solution in case of power failure, ideal for external access solutions.
Characteristics	● AC Current
	● Wired Progressive Motor
	● Motorized control & Manual operation
	● Available in 1 frequency: 230V/50Hz
Accessories	● 1 Setting tool
	● Leaflet
	● Square bracket premounted on the motor head
	● Eye outlet (not included)



Applications



NOM60

Optimum Ø60 AC Manual Override Wired Tubular Motor



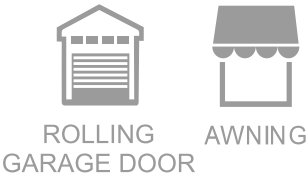
CB CE

Product description

Product name	● NOM60
Characteristics	● AC Current
	● Wired Progressive Adjustment
	● Motorized control & Manual operation
	● Available in 1 frequency: 230V/50Hz
Accessories	● Leaflet
	● Square bracket premounted on the motor head
	● Eye outlet (not included)



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NOM60/100-12	2371079	100	12	1.6	IP44	22	657	6.2
NOM60/140-8	2371080	140	8	1.77	IP44	22	657	6.4



NM2 Rn PA

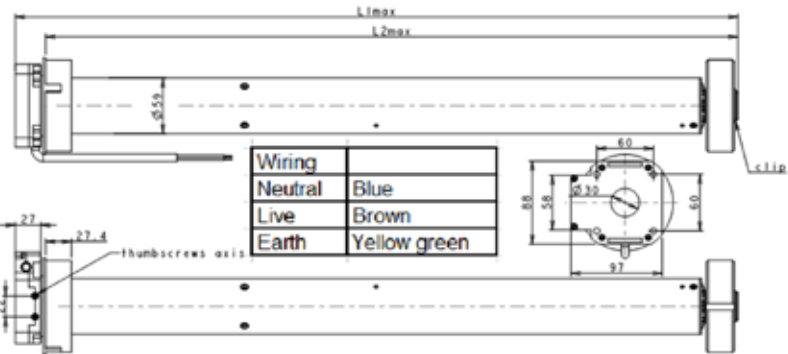


Ø59 AC Manual Override Radio PA Tubular Motor

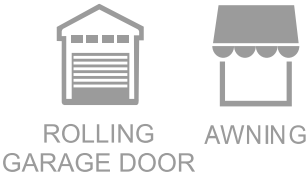


Product description

Product name	• NM2 Rn PA
	Manual override solution in case of power failure, ideal for external access solutions.
Characteristics	• AC Current
	• Radio Progressive Motor
	• Motorized control & Manual operation
	• Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	• 1 Setting tool
	• Leaflet
	• Square bracket premounted on the motor head
	• Eye outlet (not included)



Applications



230V/50Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NM2/60-12-Rn PA	2370705	60	12	1.3	IP44	23	904	8.4
NM2/80-12-Rn PA	2370706	80	12	1.6	IP44	23	904	8.4
NM2/100-12-Rn PA	2370707	100	12	2	IP44	23	904	8.45
NM2/140-8-Rn PA	2370708	140	8	2	IP44	23	904	8.5

120V/60Hz

Motor model	Reference NO.	Torque (Nm)	Speed (rpm)	Current (A)	Protection Degree	Limit revolution (turns)	Motor overall length (mm)	Motor weight (kg)
NM2/60-14-Rn PA	2370709	60	14	3	IP44	23	904	8.4
NM2/80-14-Rn PA	2370710	80	14	3.4	IP44	23	904	8.4
NM2/100-14-Rn PA	2370711	100	14	3.8	IP44	23	904	8.45
NM2/140-9-Rn PA	2370712	140	9	3.7	IP44	23	904	8.5





Curtain solutions

- Curtain motors
- Curtain accessories
- Track assembling instructions

Curtain solutions



NC50 W N2

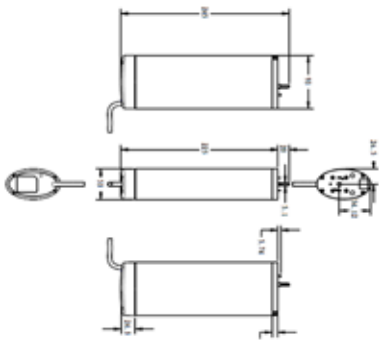
New 50kg Lifting Capacity Wired Curtain Motor



Motor model	Reference NO.	Torque/Weight (Nm)/(kg)	Rated Speed (rpm)	Line speed (m/s)	Max Rated Power (W)	Frequency (Hz)	Voltage (V)	Protection Degree	Motor overall length (mm)	Motor weight (kg)
NC50 W N2	2371164	1.0/50	100	15	60	N/A	AC100-240V/50-60Hz	IP30	245	0.825

Product description

Product name	● NC50 W N2
Characteristics	● AC Current
	● Wired motor
	● Manual operating
	● Automatic limit & Limit memory
	● Touch start with soft stop
	● Stop against resistance
	● High & Low voltage controlling
Accessories	● Leaflet
	● Track & Pulley sold separately
	● Compatible with H track & S Track



Applications



NC50 N2

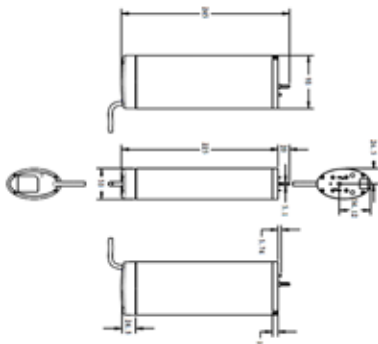
50kg Lifting Capacity Wired Curtain Motor



Motor model	Reference NO.	Torque/Weight (Nm)/(kg)	Rated Speed (rpm)	Line speed (m/s)	Max Rated Power (W)	Frequency (Hz)	Voltage (V/Hz)	Protection Degree	Motor overall length (mm)	Motor weight (kg)
NC50 N2	2371163	1.0/50	105	15	60	433.92	AC100-240V/50-60Hz	IP30	245	0.822

Product description

Product name	● NC50 N2
Characteristics	● AC Current
	● Radio motor : Built-In Rf receiver for remote controlling
	● Manual operating
	● Automatic limit & Limit memory
	● Touch start with soft stop
	● Stop against resistance
	● High & Low voltage controlling
Accessories	● Leaflet
	● Track & Pulley sold separately
	● Compatible with H track & S Track



Applications



DIY

NC50 N2 Kit (3m,5m,8m)



Tool needed



Screw driver



Rubber band



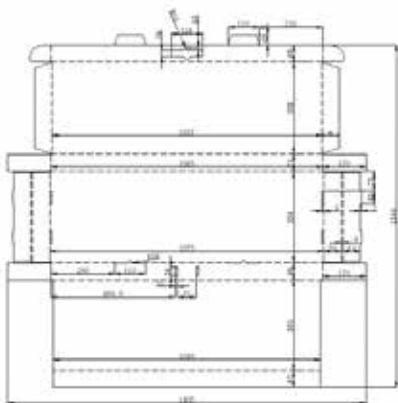
Scissors



Tapeline

Product description

Product name	● NC50 N2 Kit(3m, 5m, 8m)
Characteristics	● All in one curtain box (AC motor + standard accessories)
	● Box dimensions: 1055*352*67mm
Accessories	● Drive Pulley White N2
	● Small Pulley White
	● Curtain DIY Rail (1m, 0.5m, 0.2m, 0.1m)
	● Belt Black
	● Runners
	● Rail Joints
	● Master Carrier with Arm
	● Ceiling Fixing Plate
	● Remote: SCE R1 Gunmetal
	● Leaflet



Applications



CURTAIN

Motor model	Reference NO.	TorqueWeight (Nm)/(kg)	Rated Speed (rpm)	Line speed (m/s)	Max Rated Power (W)	Frequency (MHz)	Voltage (V)/(Hz)	Protection Degree	Motor overall length (mm)	Motor weight (kg)
NC50 N2 Kit up to 3M	2371293	1.0/50	105	15	60	433.92	AC100-240V/50-60Hz	IP30	245	5.122
NC50 N2 Kit up to 5M	2371294	1.0/50	105	15	60	433.92	AC100-240V/50-60Hz	IP30	245	6.322
NC50 N2 Kit up to 8M	2371295	1.0/50	105	15	60	433.92	AC100-240V/50-60Hz	IP30	245	8.022



Item contained in the box

Picture	NO.	Name	Quantity			Picture	NO.	Name	Quantity		
			Kit 3m	Kit 5m	Kit 8m				Kit 3m	Kit 5m	Kit 8m
	①	Motor	1	1	1		⑦	Master carrier with arm	1	1	1
	②	Drive pulley	1	1	1		⑧	Master carrier with arm	1	1	1
	③	Ceiling fixing plate	7	11	17		⑨	Belt	6.4m	10.4m	16.4m
	④	Rail-1m	2	4	7		⑩	Small pulley	1	1	1
		Rail-0.5m	1	1	1						
		Rail-0.2m	2	2	2						
		Rail-0.1m	1	1	1						
	⑤	Runner	30	50	80		⑪	Belt holder	4	4	4
	⑥	Rail joint	5	7	10		⑫	Belt clip	4	4	4



Standard accessories

Ref.no	Description	Picture	Weight (kg)	Remark
2812164	Drive Pulley N2		0.076	1 PC Per Track
2812165	Small Pulley		0.02	1 PC Per Track
2812166	Rail 5m		2.284	5 Meter Track Aluminum Profile
2812167	Belt Black 100m		1.504	9MM Belt, 100M/ROLL

2812169	Runner		0.0029	Compatible with N2 Rail Only
2812170	Rail Joint		0.0521	Compatible with Rail 5m(2360376) Only
2812168	Master Carrier		0.035	Compatible with N2 Rail Only
2812171	Master Carrier with Arm		0.082	N/A
2812172	Master Carrier with Over-U-Shape Arm		0.0715	N/A

2812173	Master Carrier with Under-U-Shape Arm		0.0635	N/A
2812174	Ceiling Fixing Plate		0.0141	N/A
2812184	Swivel Ceiling Bracket		0.01216	N/A



Ripple Fold accessories

Ripple Fold accessories can be used with all standard master carriers

Ref.no	Description	Picture	Weight (kg)	Remark
2812221	Ripple Runner for Hook 80mm		2.94/pc	500 PCS/Roll 4 Rolls/Box
2812222	Ripple Runner for Hook 60mm		2.94/pc	500 PCS/Roll 4 Rolls/Box
2812223	Ripple Runner for Snap Tape 60mm		3.07/pc	500 PCS/Roll 4 Rolls/Box
2812224	Ripple Runner for Snap Tape 54mm		3.07/pc	500 PCS/Roll 4 Rolls/Box

2812225	Ripple Runner for Snap Tape 48mm		3.07/pc	500 PCS/Roll 4 Rolls/Box
2812226	Fold Snap Tape(91m)		2850g/Roll	91m/ROLL 4Rolls/Box





Track assembling instructions

Step 1: Material preparation and rail adjustment

1 List of accessories

Standard solution

1	2371163	MOTOR
2	2812164	DRIVE PULLEY WHITE N2
3	2812174	CEILING FIXING PLATE
4	2812166	RAIL 5m WHITE
5	2812169	RUNNER
6	2812170	RAIL JOINT
A	2812168	MASTER CARRIER
7 B	2812171	MASTER CARRIER WITH ARM
8 C	2812172	MASTER CARRIER WITH OVER-U-SHAPE ARM
D	2812173	MASTER CARRIER WITH UNDER-U-SHAPE ARM
9	2812167	BELT BLACK 100m
10	2812165	SMALL PULLEY WHITE

Ripple fold solution

1	2371163	MOTOR
2	2812164	DRIVE PULLEY WHITE N2
3	2812174	CEILING FIXING PLATE
4	2812166	RAIL 5m WHITE
5	2812221	RIPPLE RUNNER FOR HOOK 80MM
	2812222	RIPPLE RUNNER FOR HOOK 60MM
	2812223	RIPPLE RUNNER FOR SNAP TAPE 60MM
	2812224	RIPPLE RUNNER FOR SNAP TAPE 54MM
	2812225	RIPPLE RUNNER FOR SNAP TAPE 48MM
	2812226	FOLD SNAP TAPE (91m)
6	2812170	RAIL JOINT
A	2812168	MASTER CARRIER
7 B	2812171	MASTER CARRIER WITH ARM
8 C	2812172	MASTER CARRIER WITH OVER-U-SHAPE ARM
D	2812173	MASTER CARRIER WITH UNDER-U-SHAPE ARM
9	2812167	BELT BLACK 100m
10	2812165	SMALL PULLEY WHITE

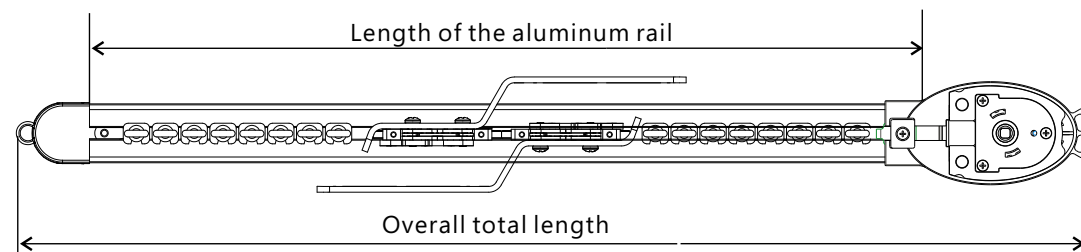
2 Choose your master carrier and arms

- C Build a 1 way kit(Classic or Ripple fold)
- D Build a 1 way kit(Classic or Ripple fold)
- A + B Build a 2 way kit(Classic)
- C + D Build a 2 way kit(Classic or Ripple fold)

Note: Your first master carrier will be called 7 in this instruction, your second master carrier will be called 8.

3 Cut the rail

Length of the aluminum rail = Overall total length - 0.11m



4 Runners calculation

N=Number of runners
L = Length of rail in meter
Round=Number rounded at higher unit

- 1W N=Round(Lx10)
- 2W N=Round(Lx5)×2

Example
L=4.05m

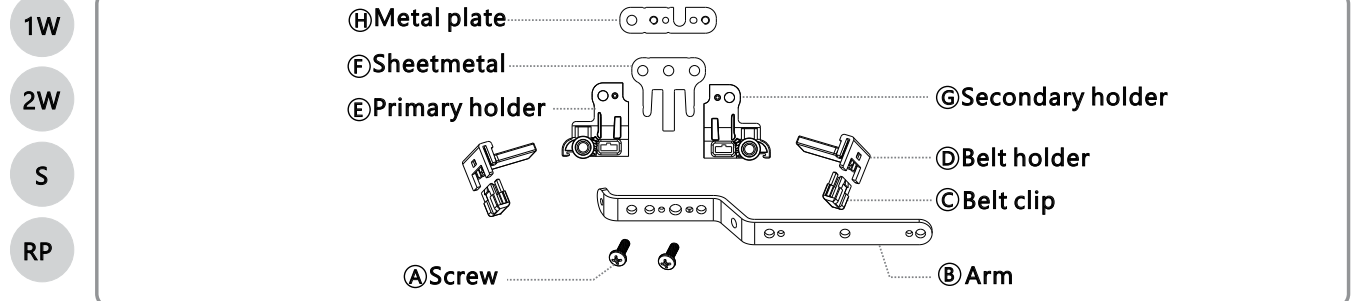
- 1W Runners=Round(4.05x10)
=41pcs
- 2W Runners=Round(4.05x5)×2
=40pcs

5 Legend

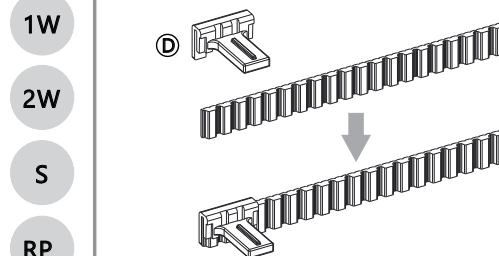
- 1W Follow for 1 way (lateral opening)
- 2W Follow for 2 ways (central opening)
- S Follow for standard curtain solution
- RP Follow for ripple fold curtain solution

Step 2: Feed the belt and assemble small pulley

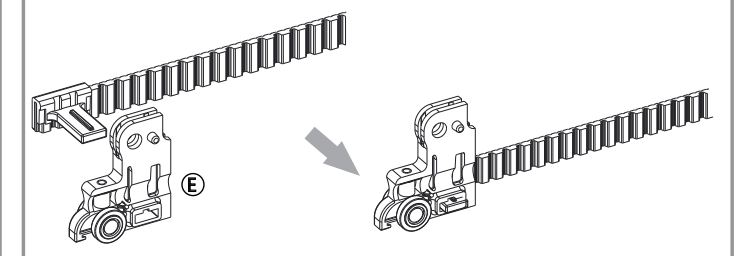
1 Disassemble master carrier 7



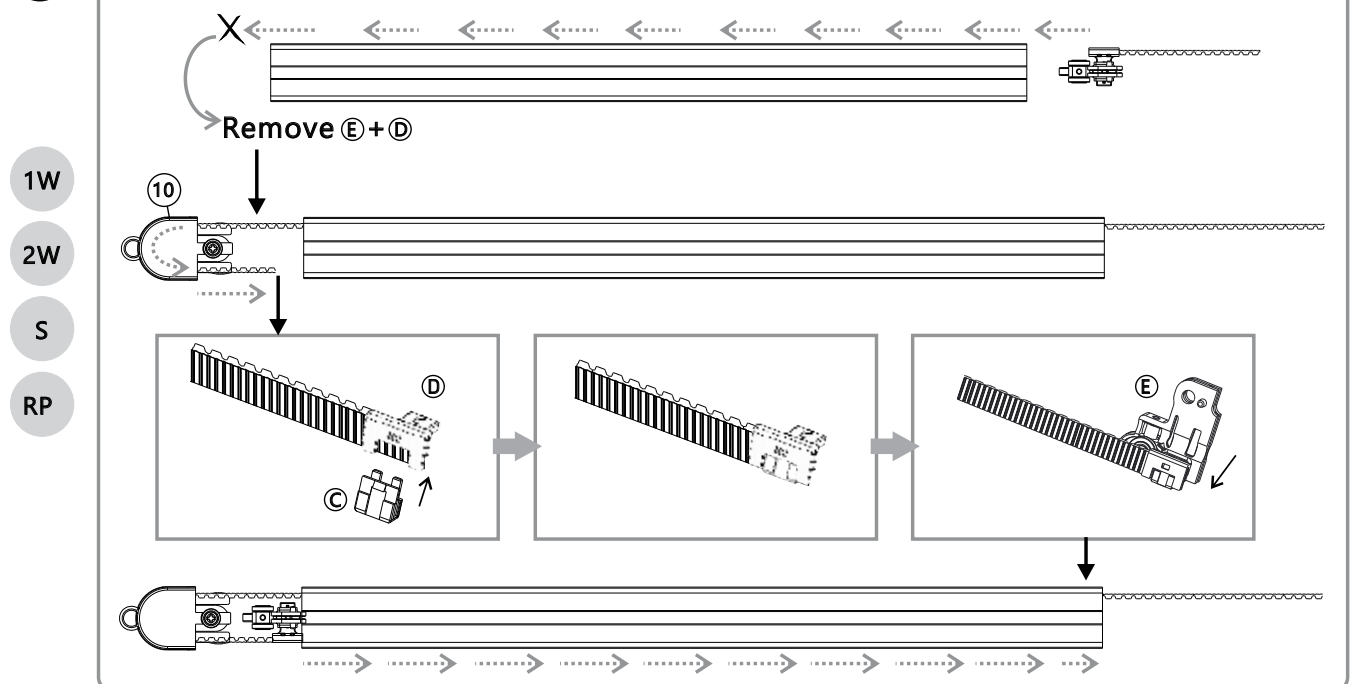
2 Fix belt holder at the end of the belt



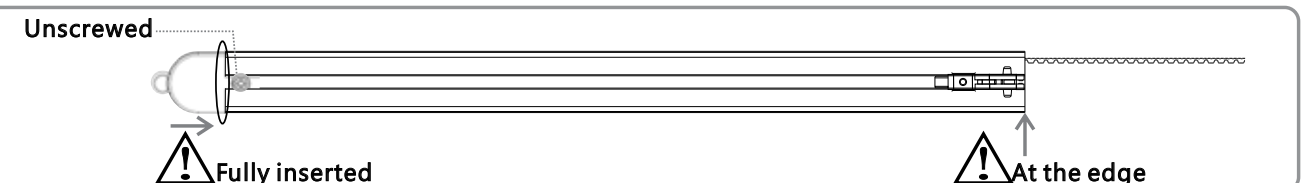
Assemble primary holder on the belt



3

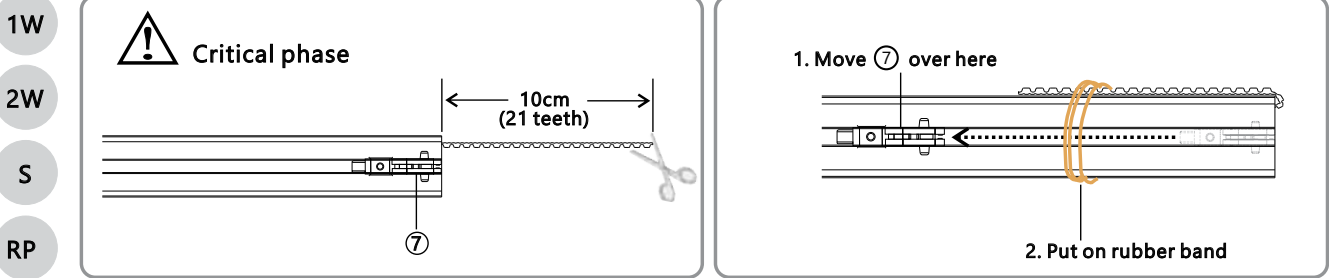


Actual configuration

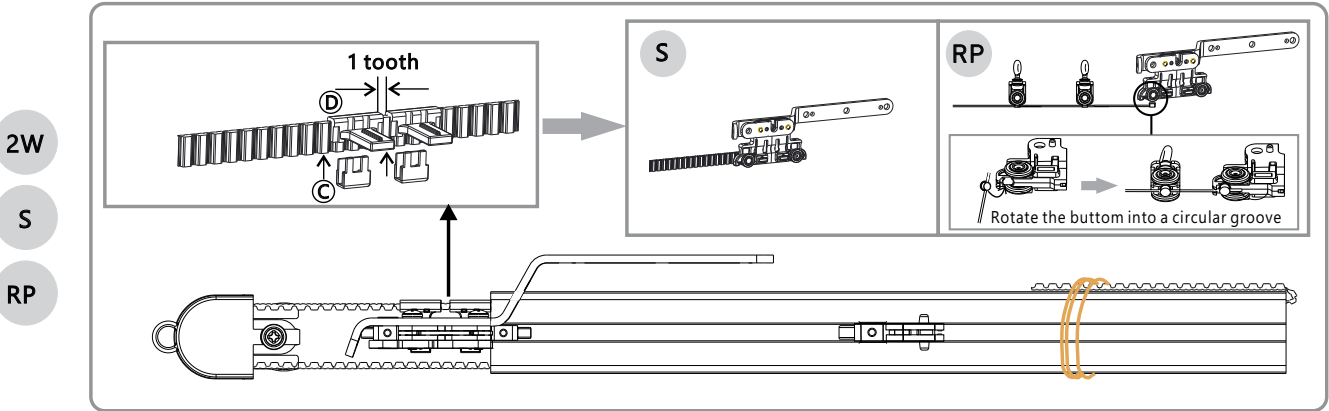


Step 3: Master carrier ⑧ and runner assembly

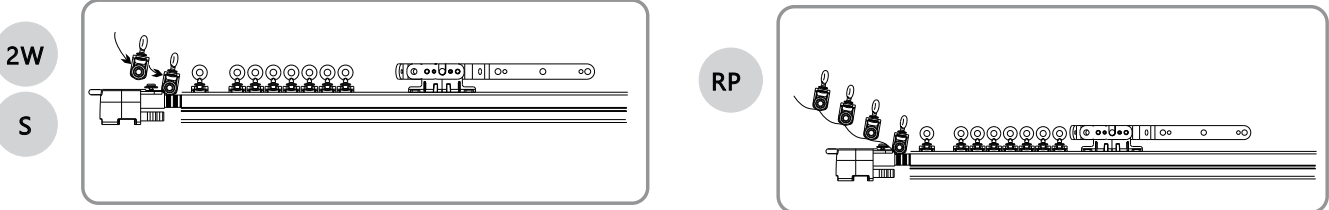
1 Cut the belt



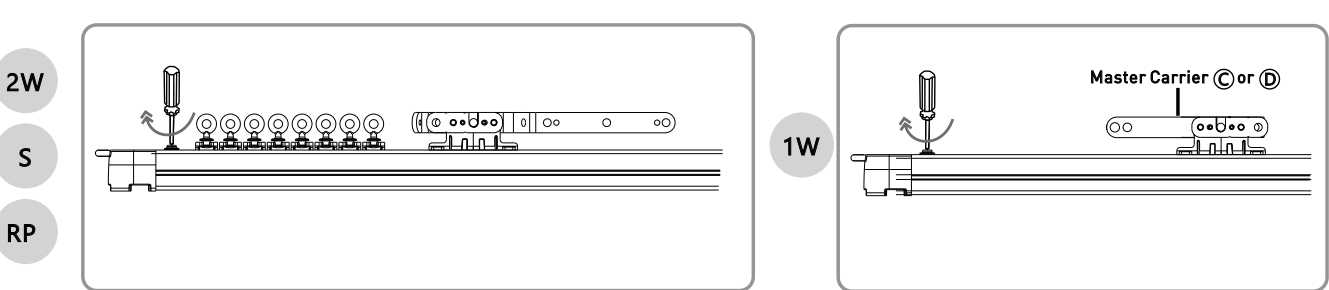
2 Assembly master carrier ⑧ (belt holder+clip +all master carrier)



3 Insert half of needed runners



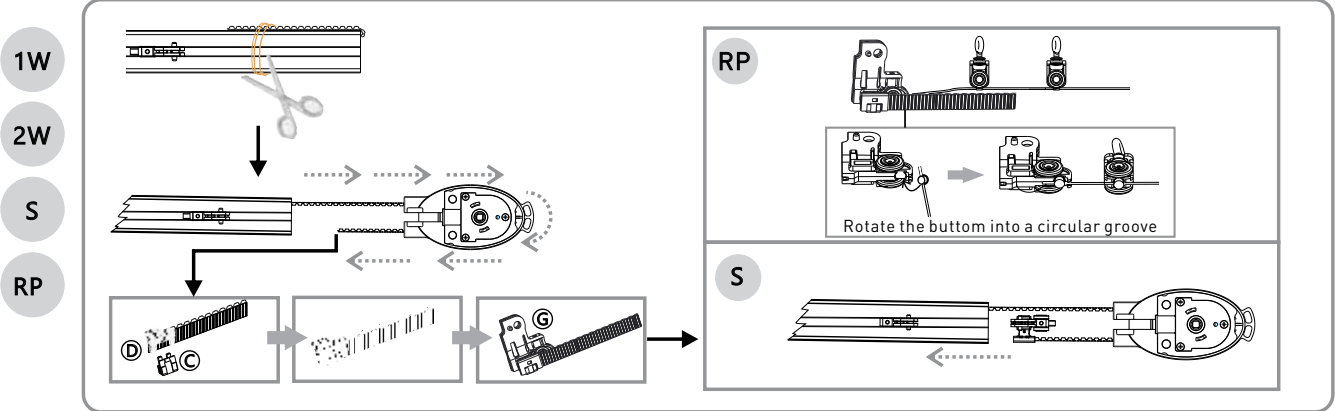
4 Fasten screw of small pulley



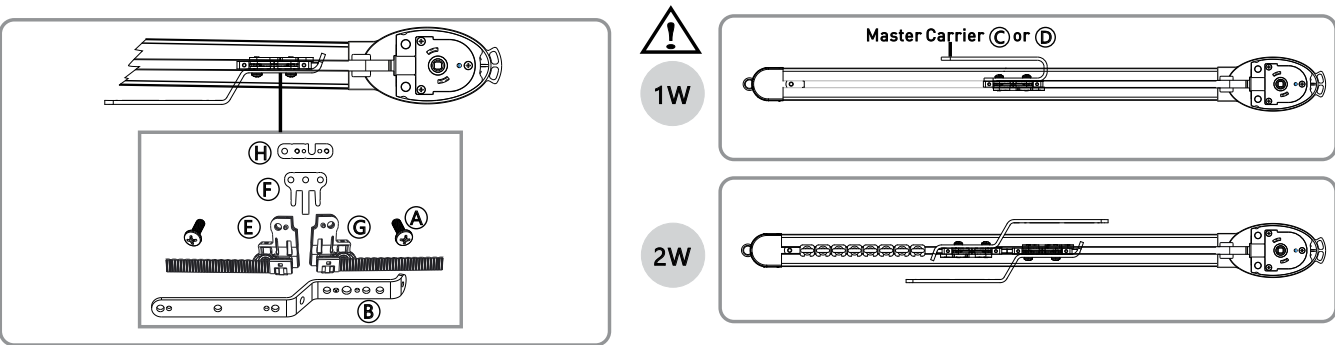
5 Unscrew and remove the stop runner



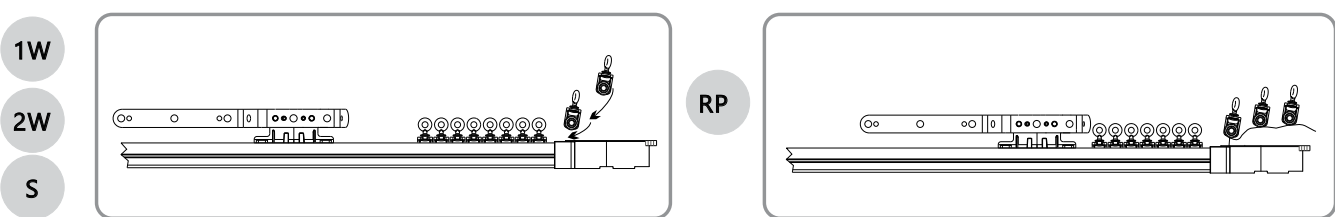
6 Insert the belt into drive pulley and assemble the rest of master carrier ⑦



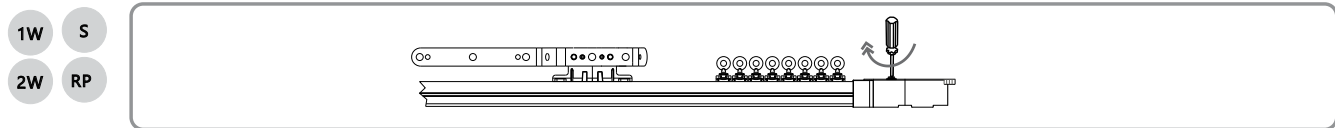
7 Join two half of master carrier ⑦ and finish assembling



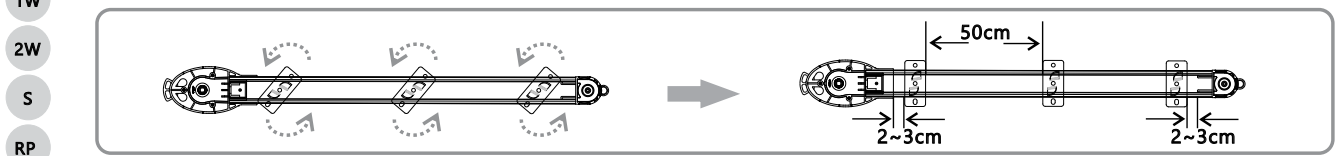
8 Insert the runners



9 Fasten the screw + stop runner

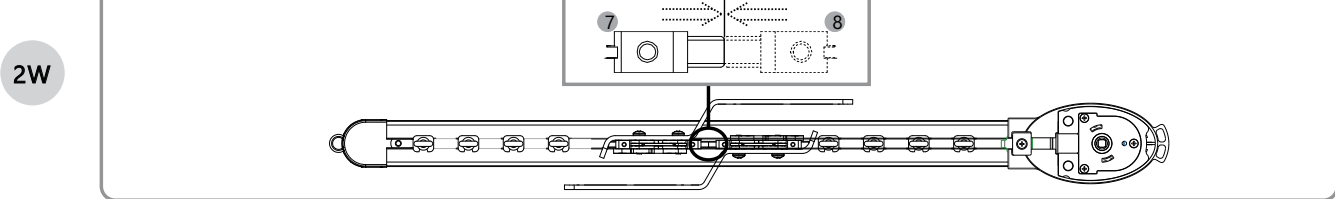


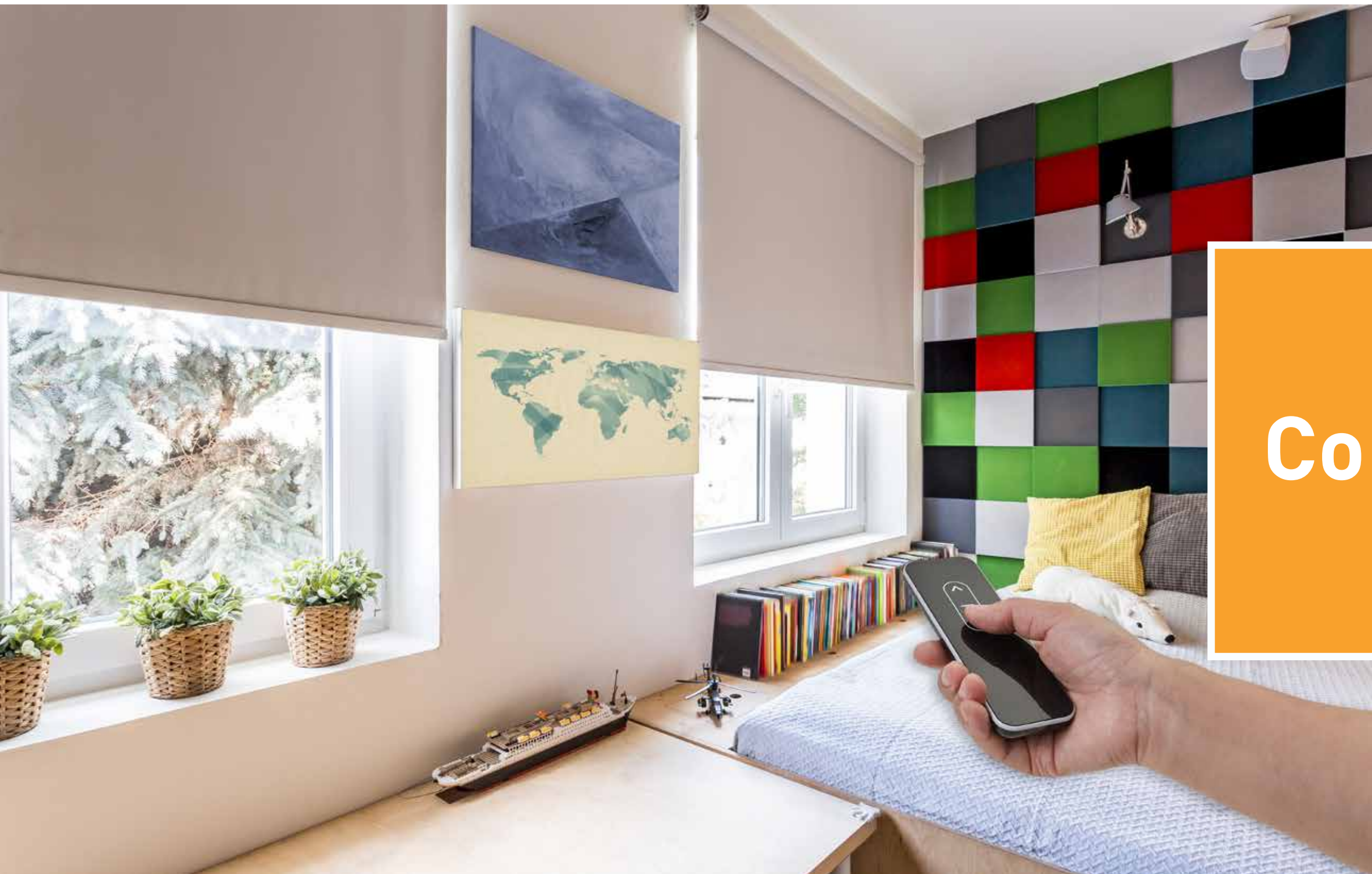
Step 4: Ceiling bracket assembly



Step 5: Check

There should be no gap between 2 master carriers





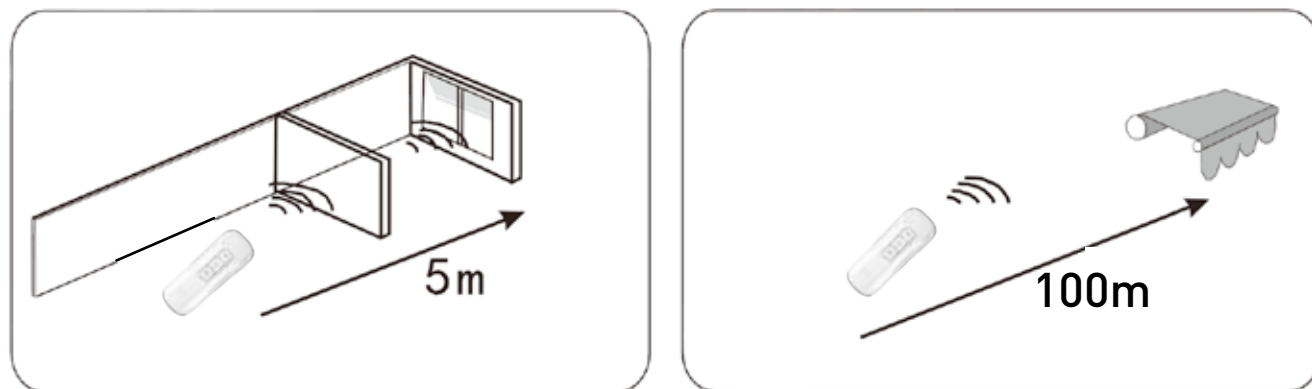
Controls

Radio Technology LIANDA



RTL as **Lianda's Radio Technology** has been widely used among Lianda's full range of Radio products with outstanding features:

- Super Anti-interference, 16 million security rolling coding
- Dynamic encrypting algorithm, RTL reduces 95% neighboring frequencies
- Long transmitter distance: Outdoor 100m, indoor 20m
- Electric files immunity 3V/m, aligned with CE standard
- Pre-limit programming, make live debugging more easy
- RTL PA motor built-in mini receiver, Antenna is well protected against assembling, transferring and installing



Set the blind with remote in 2 steps less than 1 minute

Step 1:

Put on the power, record the remote to the motor

Step 2:

Set the up and lower limit from the remote

New Setting Process:

Set the end limits without

Our Collections

Touch range



Techno range



Curve range



Cuddle range



Cuddle range



CE

SCO-R1



CE

SCO-R5



Product description

Product name	• SCO 1 Channel - SCO 5 Channels
Characteristics	• Cuddle line
	• Compatible with RTL motors
	• Available in 1 color: White and Grey
	• 1 Channel : 3 buttons : up / stop / down
	• 5 Channels : 4 buttons : up / stop / down/ selection key
Accessories	• Leaflet
	• Wall mounted bracket (standard equipment)

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Battery type	Battery service life (years)	Number of channels (channels)	Frequency (MHz)	Remote power (dbm)	Working temperature (°C)
SCO-R1	2371036	94*44*22	0.035	CR 2032 Lithium	2	1	433.92	-8 ~ +1	+10°C ~ +35°C
SCO-R5	2371037	94*44*22	0.035	CR 2032 Lithium	2	5	433.92	-8 ~ +1	+10°C ~ +35°C



CURVE range



SCE-R1 Gunmetal



SCE-R5 Apricot



SCE-R15 Chestnut



Product description

Product name	• SCE 1 Channel - SCE 5 Channels - SCE 15 Channels
Characteristics	• Curve line
	• Compatible with RTL motors
	• Available in 6 colors : Gunmetal, Chestnut, Khaki, Green, Apricot and Turquoise
	• 1 Channel : 3 buttons : up / stop / down
	• 5 Channels : 4 buttons : up / stop / down/ selection key
	• 15 Channels: 5 buttons : up / stop / down / DEC(decrease channel) / INC(increase channel)
Accessories	• Leaflet
	• Table holder ref:2811065
	• Wall mounted bracket (standard equipment)

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Battery type	Battery service life (years)	Number of channels (channels)	Remote power (dbm)	Frequency (MHz)	Working temperature (°C)
SCE-R1 Gunmetal	2370249	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R1 FCC Gunmetal	2370488	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R1 Chestnut	2370263	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R1 Khaki	2370264	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R1 Green	2370265	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	433.92 & 447	-20°C ~ +60°C

SCE-R1 Apricot	2370266	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R1 Turquoise	2370267	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R5 Gunmetal	2370250	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R5 FCC Gunmetal	2370489	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R5 Chestnut	2370268	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R5 Khaki	2370269	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R5 Green	2370270	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R5 Apricot	2370271	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R5 Turquoise	2370272	123.8*46.9*24.2	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R15 Gunmetal	2370251	123.8*46.9*24.2	0.07	12V/27A*1pc	>2	15	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R15 Chestnut	2370273	123.8*46.9*24.2	0.07	12V/27A*1pc	>2	15	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R15 Khaki	2370274	123.8*46.9*24.2	0.07	12V/27A*1pc	>2	15	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R15 Green	2370275	123.8*46.9*24.2	0.07	12V/27A*1pc	>2	15	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R15 Apricot	2370276	123.8*46.9*24.2	0.07	12V/27A*1pc	>2	15	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCE-R15 Turquoise	2370277	123.8*46.9*24.2	0.07	12V/27A*1pc	>2	15	-8 ~ +1	433.92 & 447	-20°C ~ +60°C



CURVE range



CE
FCC

SCE - UNO RS Green



CE
FCC

SCE - UNO RS Green



Product description

Product name	SCE Wireless Radio Switch 1 Channel
Characteristics	- Wireless: easy to install, fix your control without any construction works - Compatible with RTL motors - Available in 6 colors : Gunmetal, Chestnut, Khaki, Green, Apricot and Turquoise 3 buttons : up / stop / down
Accessories	Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Battery type	Battery service life (years)	Number of channels (channels)	Remote power (dbm)	Frequency (MHz)	Working temperature (°C)
SCE UNO RS Gunmetal	2370764	82.5*85.1*18.8	0.039	3V CR 2032*1pc	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE UNO RS Gunmetal FCC	2371252	82.5*85.1*18.8	0.039	3V CR 2032*1pc	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE UNO RS Chestnut	2370765	82.5*85.1*18.8	0.039	3V CR 2032*1pc	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE UNO RS Khaki	2370766	82.5*85.1*18.8	0.039	3V CR 2032*1pc	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE UNO RS Green	2370767	82.5*85.1*18.8	0.039	3V CR 2032*1pc	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE UNO RS Apricot	2370768	82.5*85.1*18.8	0.039	3V CR 2032*1pc	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE UNO RS Turquoise	2370769	82.5*85.1*18.8	0.039	3V CR 2032*1pc	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C

CURVE range



CE

SCE - DUO RS Turquoise



CE

SCE - DUO RS Turquoise



Product description

Product name	SCE Wireless Radio Switch 2 Channels
Characteristics	<i>Optimize your interior design by controlling 2 motors with only 1 switch</i> - Wireless: easy to install, fix your control without any construction works - Compatible with RTL motors - Available in 6 colors : Gunmetal, Chestnut, Khaki, Green, Apricot and Turquoise 6 buttons : up / stop / down
Accessories	Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Battery type	Battery service life (years)	Number of channels (channels)	Remote power (dbm)	Frequency (MHz)	Working temperature (°C)
SCE DUO RS Gunmetal	2371011	82.5*85.1*18.8	0.04	3V CR 2032*1pc	>2	2	-8 ~ +1	433.92	-20°C ~ +60°C
SCE DUO RS Chestnut	2371012	82.5*85.1*18.8	0.04	3V CR 2032*1pc	>2	2	-8 ~ +1	433.92	-20°C ~ +60°C
SCE DUO RS Khaki	2371013	82.5*85.1*18.8	0.04	3V CR 2032*1pc	>2	2	-8 ~ +1	433.92	-20°C ~ +60°C
SCE DUO RS Green	2371014	82.5*85.1*18.8	0.04	3V CR 2032*1pc	>2	2	-8 ~ +1	433.92	-20°C ~ +60°C
SCE DUO RS Apricot	2371015	82.5*85.1*18.8	0.04	3V CR 2032*1pc	>2	2	-8 ~ +1	433.92	-20°C ~ +60°C
SCE DUO RS Turquoise	2371016	82.5*85.1*18.8	0.04	3V CR 2032*1pc	>2	2	-8 ~ +1	433.92	-20°C ~ +60°C

CURVE range

Curve Timer Switch



CE



CE

SCE TS Turquoise

SCE TS Turquoise



Product description

Product name	SCE Radio Timer Switch
	<i>Save energy and ease your light control with time setting function</i>
Characteristics	- Wireless: easy to install, fix your control without any construction works - Real time clock display - Automatic On/Off control as per pre-setting time - Compatible with RTL motors - Available in 6 colors : Gunmetal, Chestnut, Khaki, Green, Apricot and Turquoise 7 buttons : up / stop / down + Menu / Increase / Decrease / Automatic
Accessories	Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Battery type	Battery service life (years)	Number of channels (channels)	Remote power (dbm)	Frequency (MHz)	Working temperature (°C)
SCE TS Gunmetal	2370770	85*82*20	0.046	1.5V AAA*2pcs	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE TS Chestnut	2370771	85*82*20	0.046	1.5V AAA*2pcs	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE TS Khaki	2370772	85*82*20	0.046	1.5V AAA*2pcs	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE TS Green	2370773	85*82*20	0.046	1.5V AAA*2pcs	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE TS Apricot	2370774	85*82*20	0.046	1.5V AAA*2pcs	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C
SCE TS Turquoise	2370775	85*82*20	0.046	1.5V AAA*2pcs	>2	1	-8 ~ +1	433.92	-20°C ~ +60°C



CURVE range

Wall Mounted Switch



CE
CB

SCE-WT Gunmetal



CE
CB

SCE-WT Gunmetal



Product description

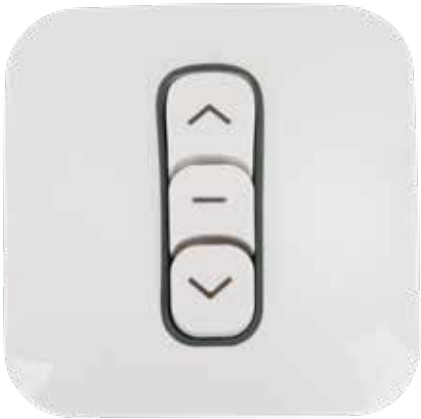
Product name	● SCE Wall-mounted Switch
Characteristics	● Curve Line
	● Available in 6 colors : Gunmetal, Chestnut, Khaki, Green, Apricot and Turquoise
	● 3 buttons : up / stop / down
Accessories	● Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Working temperature (°C)	Number of channels (channels)	Power supply (V,Hz)	Max current (A)
SCE WT Gunmetal	2371065	82*36*50	0.042-0.048	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WT Chestnut	2371066	82*36*50	0.042-0.048	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WT Khaki	2371067	82*36*50	0.042-0.048	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WT Green	2371068	82*36*50	0.042-0.048	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WT Apricot	2371069	82*36*50	0.042-0.048	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WT Turquoise	2371070	82*36*50	0.042-0.048	-20°C ~ +60°C	1	90V~250V, 50Hz	6



CURVE range

Built-in Switch



SCE - WTB Gunmetal



SCE - WTB Gunmetal



Product description

Product name	● SCE Built-in Switch
Characteristics	● Curve Line
	● Available in 6 colors : Gunmetal, Chestnut, Khaki, Green, Apricot and Turquoise
	● 3 buttons : up / stop / down
Accessories	● Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Working temperature (°C)	Number of channels (channels)	Power supply (V,HZ)	Max current (A)
SCE WTB Gunmetal	2371059	90*90*22	0.052-0.058	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WTB Chestnut	2371060	90*90*22	0.052-0.058	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WTB Khaki	2371061	90*90*22	0.052-0.058	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WTB Green	2371062	90*90*22	0.052-0.058	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WTB Apricot	2371063	90*90*22	0.052-0.058	-20°C ~ +60°C	1	90V~250V, 50Hz	6
SCE WTB Turquoise	2371064	90*90*22	0.052-0.058	-20°C ~ +60°C	1	90V~250V, 50Hz	6



White range



SCW UNO WTB



Product description

Product name	• SCW UNO WTB
Characteristics	• White Line
	• Number of channel: 1
	• Available in 1 color: White
	• 3 buttons : up / stop / down
Accessories	• Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Working temperature (°C)	Number of channels (channels)	Power supply (V,Hz)	Max current (A)
SCW UNO WTB	2370911	86*86*15	0.059	-20°C ~ +60°C	1	90V~250V, 50Hz~60Hz	6

White range



SCE DUO WTB



Product description

Product name	• SCW DUO WTB
Characteristics	• White Line
	• Number of channel: 2
	• Available in 1 color: White
	• 3 buttons : up / stop / down
Accessories	• Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Working temperature (°C)	Number of channels (channels)	Power supply (V,Hz)	Max current (A)
SCW DUO WTB	2370912	86*86*15	0.077	-20°C ~ +60°C	2	90V~250V, 50Hz~60Hz	6

WHITE range

Built-in Switch for Direct Current



SCW DC WT



SCW DC WT



Product description

Product name	● SCW DC WT
Characteristics	● White Line
	● Compatible with DC motors only
	● Available in 1 color: White
	● 3 buttons : up / stop / down
Accessories	● Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Working temperature (°C)	Number of channels (channels)	Power supply (V,Hz)	Max current (A)
SCW DC WT	2371049	85*41*43	0.048	0°C ~ +40°C	1	24V	30



TECHNO range



SCT - R1



SCT - R5



SCT - R15



Product description

Product name	SCT 1 Channel - SCT 5 Channels - SCT 15 Channels
Characteristics	Techno line
	Compatible with RTL motors
	Available in 2 colors: White and Black
	1 Channel : 3 buttons : up / stop / down
	5 Channels : 4 buttons : up / stop / down/ selection key
	15 Channels: 5 buttons : up / stop / down / DEC(decrease channel) / INC(increase channel)
Accessories	Leaflet
	Table holder ref:2811065
	Wall mounted bracket (standard equipment)

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Battery type	Battery service life (years)	Number of channels (channels)	Remote power (dbm)	Frequency (MHz)	Working temperature (°C)
SCT-R1 Black	2370430	118.7*42.8*23.5	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCT-R1 White	2370431	118.7*42.8*23.5	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCT-R5 Black	2370432	118.7*42.8*23.5	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCT-R5 White	2370433	118.7*42.8*23.5	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCT-R15 Black	2370434	118.7*42.8*23.5	0.07	12V/27A*1pc	>2	15	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCT-R15 White	2370435	118.7*42.8*23.5	0.07	12V/27A*1pc	>2	15	-8 ~ +1	433.92 & 447	-20°C ~ +60°C
SCT-R1 White KC	2371158	118.7*42.8*23.5	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	447	-20°C ~ +60°C
SCT-R5 White KC	2371159	118.7*42.8*23.5	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	447	-20°C ~ +60°C
SCT-R1 White FCC	2371264	118.7*42.8*23.5	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	447	-20°C ~ +60°C

SCT-R1 Black FCC	2371267	118.7*42.8*23.5	0.07	3V CR2032*1pc	>2	1	-8 ~ +1	447	-20°C ~ +60°C
SCT-R5 Black FCC	2371266	118.7*42.8*23.5	0.07	3V CR2032*1pc	>2	5	-8 ~ +1	447	-20°C ~ +60°C



TOUCH range



CE
KC
FCC

SCP - R1 White



CE
KC
FCC

SCP - R5 White



CE
KC
FCC

SCP - R1 Black



CE
KC
FCC

SCP - R5 Black



Product description

Product name	● SCP 1 Channel - SCP 5 Channels
Characteristics	● Touch line
	● Compatible with RTL motors
	● Available in 2 colors: Black & White
	● 1 Channel : 3 buttons : up / stop / down
	● 5 Channels : 4 buttons : up / stop / down/ selection key
Accessories	● Leaflet
	● Table holder ref:2811065
	● Wall mounted bracket (standard equipment)

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Battery type	Battery service life (years)	Number of channels (channels)	Frequency (MHz)	Remote power (dbm)	Working temperature (°C)
SCP-R1 Black	2371038	146*45*12.5	0.068	CR2032 Lithium	1	1	433.92	N/A	+10°C ~ +35°C
SCP-R1 White	2371135	146*45*12.5	0.068	CR2032 Lithium	1	1	433.92	N/A	+10°C ~ +35°C
SCP-R5 Black	2371039	146*45*12.5	0.068	CR2032 Lithium	1	5	433.92	N/A	+10°C ~ +35°C
SCP-R5 White	2371136	146*45*12.5	0.068	CR2032 Lithium	1	5	433.92	N/A	+10°C ~ +35°C
SCP-R1 Black KC	2371214	146*45*12.5	0.068	CR2032 Lithium	1	1	447	N/A	+10°C ~ +35°C
SCP-R5 Black KC	2371215	146*45*12.5	0.068	CR2032 Lithium	1	5	447	N/A	+10°C ~ +35°C
SCP-R1 White FCC	2371218	146*45*12.5	0.068	CR2032 Lithium	1	1	447	N/A	+10°C ~ +35°C
SCP-R5 White FCC	2371219	146*45*12.5	0.068	CR2032 Lithium	1	5	447	N/A	+10°C ~ +35°C

SCP-R1 Black FCC	2371216	146*45*12.5	0.068	CR2032 Lithium	1	1	447	N/A	+10°C ~ +35°C
SCP-R5 Black FCC	2371217	146*45*12.5	0.068	CR2032 Lithium	1	5	447	N/A	+10°C ~ +35°C
SCP-R15	2371040	146*45*12.5	0.068	CR2032 Lithium	1	15	433.92	N/A	+10°C ~ +35°C



Other controls



Keyring 2C



Keyring 4C



Product description

Product name	● Keyring 2 Channels-Keyring 4 Channels
Characteristics	● Compatible with RTL motors
	● Available in 1 color: Black
	● 2 buttons : channel 1 / channel 2
	● 4 buttons : channel 1 / channel 2 / channel 3 / channel 4
Accessories	● Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Battery type	Battery service life (years)	Number of channels (channels)	Frequency (MHz)	Remote power (dbm)	Working temperature (°C)
Keyring 2C	2370884	54.5*35*13.5	0.07	3V CR2032*1pc	>2	2	433.92	-8 ~ +1	-20°C ~ +60°C
Keyring 4C	2370885	54.5*35*13.5	0.07	3V CR2032*1pc	>2	4	433.92	-8 ~ +1	-20°C ~ +60°C

Other controls



Radio Wind Sensor



Product description

Product name	● Radio Wind Sensor
	<i>This device protects your outdoor application against wind to warrant longer lifetime and increase safety.</i>
Characteristics	● Compatible with RTL motors
	● Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	● Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Number of channels (channels)	Frequency (MHz)	Power supply (V,HZ)	Remote power (dbm)	Working temperature (°C)
Wind Sensor (230V/50Hz)	2370882	195*155*105	0.07	1	433.92	AC120V~230V, 50Hz~60Hz	-8 ~ +1	-20°C ~ +60°C
Wind Sensor (120V/60Hz)	2370883	195*155*105	0.07	1	433.92	AC120V~230V, 50Hz~60Hz	-8 ~ +1	-20°C ~ +60°C

Other controls



Radio Mini Receiver



Product description

Product name	• Radio Mini Receiver
	<i>Easy solution to turn your existing wired installation into a radio one</i>
Characteristics	• Compatible with RTL motors
	• Available in 1 color: White
	• Available in 2 different frequencies: 230V/50Hz & 120V/60Hz
Accessories	• Leaflet

Control model	Reference NO.	Dimensions (mm)	Weight (Kg)	Number of channels (channels)	Frequency (MHz)	Power supply (V,Hz)	Remote power (dbm)	Working temperature (°C)	Max current (A)
Mini Receiver Rn (230V/50Hz)	2370914	26*98*21	0.07	1	433.92	120V~230V,50Hz~60Hz	-8 ~ +1	-20°C ~ +60°C	5
Mini Receiver Rn (120V/60Hz)	2370915	26*98*21	0.07	1	433.92	120V~230V,50Hz~60Hz	-8 ~ +1	-20°C ~ +60°C	5
Mini Receiver Rnf (120V/60Hz)	2370718	26*98*21	0.07	1	433.92	120V~230V,50Hz~60Hz	-8 ~ +1	-20°C ~ +60°C	5
Mini Receiver Rnf (220V/60Hz)	2370762	26*98*21	0.07	1	433.92	120V~230V,50Hz~60Hz	-8 ~ +1	-20°C ~ +60°C	5

Table Holder



Table Holder



Table Holder

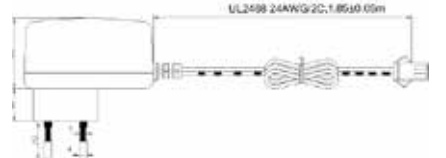
Product description

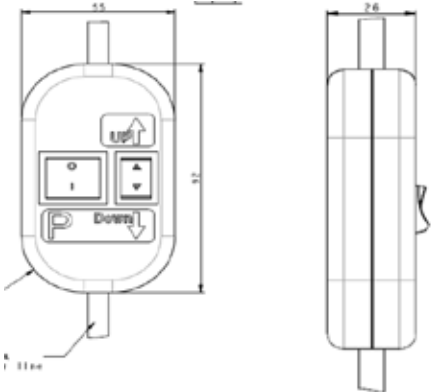
Product name	• Table holder
Characteristics	• Compatible with Vintage, Curve and Techno remotes
	• Color : transparent



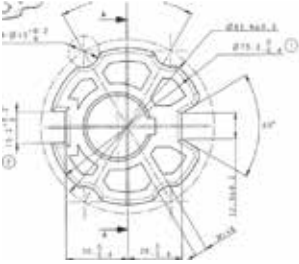
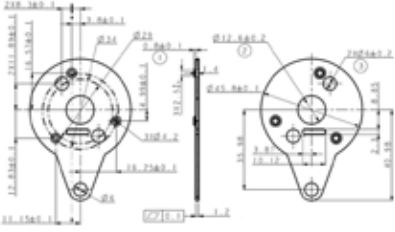
Accessories

Other accessories

Description	Drawing	Material	Weight	Ref no.
12V Reloadable Battery Tube		Steel	0.13	2371017
CHARGER LI-ION AU PLUG		PA66+30GF Plastic	0.1	2812015
CHARGER LI-ION EU PLUG		PA66+30GF Plastic	0.1	2812016
CHARGER LI-ION UK PLUG		PA66+30GF Plastic	0.1	2812017

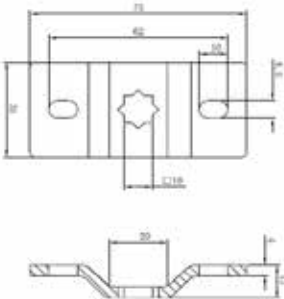
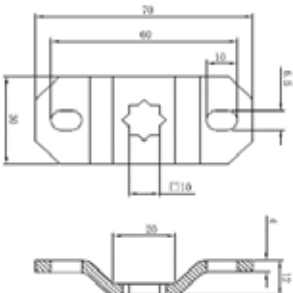
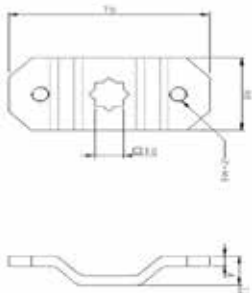
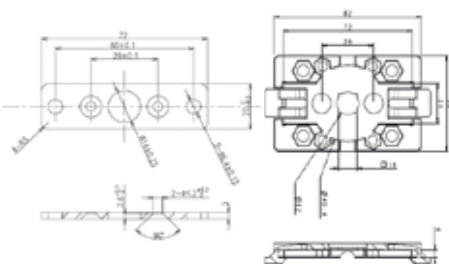
CHARGER LI-ION USA PLUG		PA66+30GF Plastic	0.1	2811990
RS Setting Switch		PA66+30GF Plastic	0.367	2371046
Power Adaptor 24V 1A		PA66+30GF Plastic	0.065	2811981
Universal Inline Connector Cable Tail		PVC	2.3M: 0.16 2.8M: 0.196 5.0M: 0.35 10.0M: 0.7	2.3M: 2811577 2.8M: 2811910 5.0M: 2811578 10.0M: 2811579
Wand Switch 600mm - White		ABS+PC	0.069	2371185
Wand Switch 900mm - White		ABS+PC	0.092	2371188
Wand Switch 1200mm - White		ABS+PC	0.115	2371191

Bracket Ø25

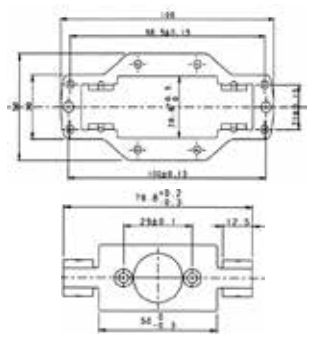
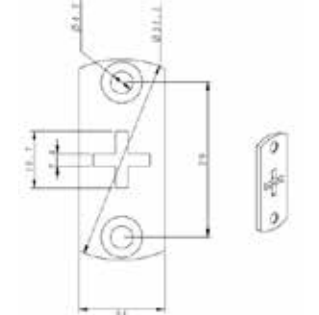
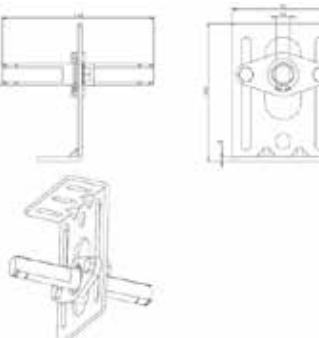
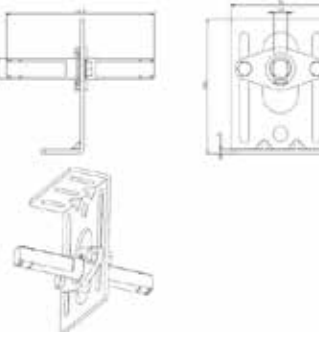
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2812089		Q235 Steel	0.004	NB25 RV
2812182		Q235 Steel	0.016	N025 INBAT SW

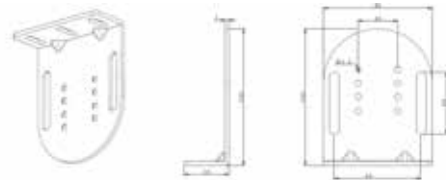
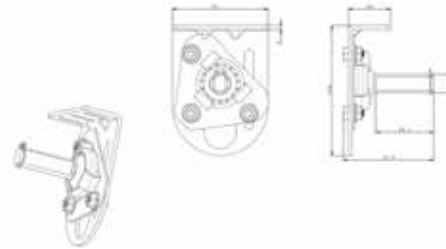
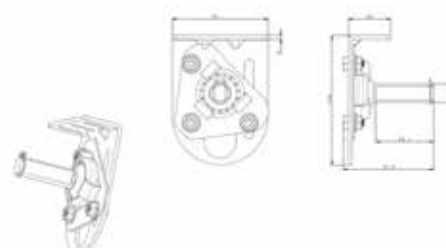
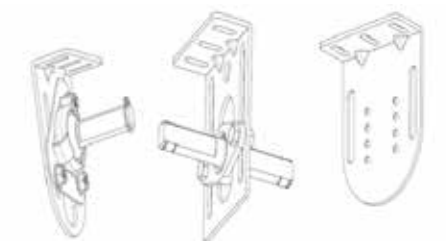
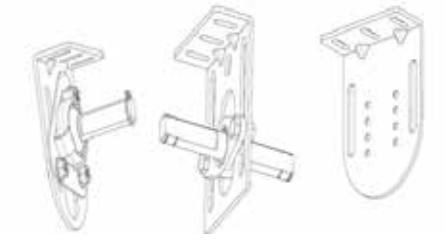


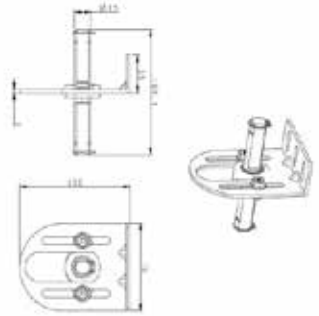
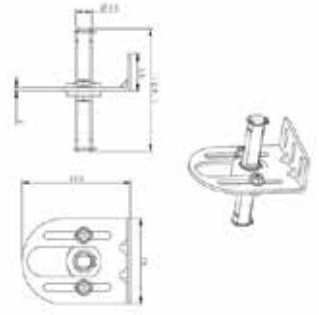
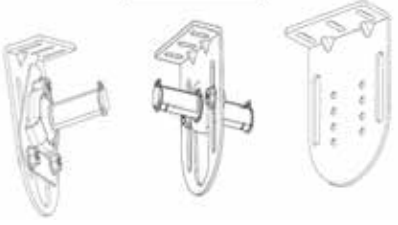
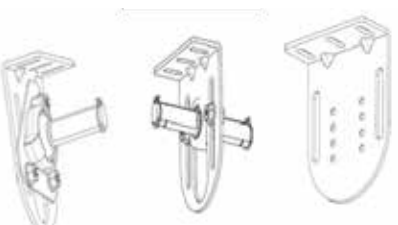
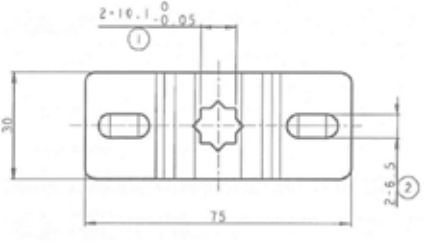
Bracket Ø35

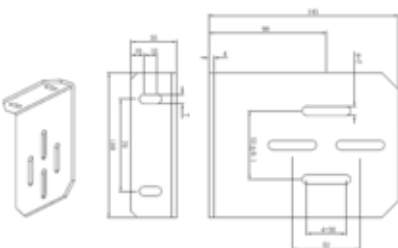
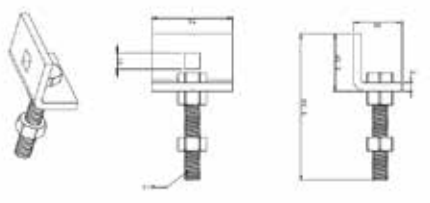
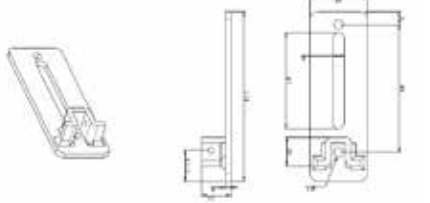
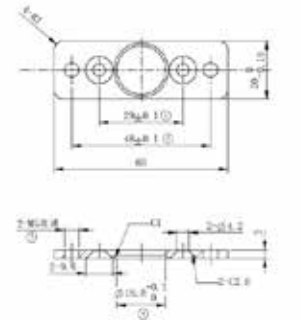
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2810201		A3 Steel	0.078	All Ø35 All Ø45
2810204		A3 Steel	0.056	All Ø35 All Ø45
2811218		A3 Steel	0.059	All Ø35 All Ø45
2810206		PA6 Plastic	0.026	NR0 NØ35 NP35

Ref no.	Drawing	Material	Weight	Compatibility
2810209		A3 Steel	0.079	All Ø35 All Ø45
2810210		ST13 Steel	0.187	All Ø35 All Ø45
2810993		A3 Steel	0.013	NR0 NP35
2811069		A3 Steel	0.013	NR0 NP35
2810215		Steel Q235	0.068	All Ø35 All Ø45

Ref no.	Drawing	Material	Weight	Compatibility
2810218		A3 Steel	0.600	NR0 NP35
2810483		Transparent PC Plastic	0.300	NR0 NP35
2810413		A3 Steel	0.300	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2810417		A3 Steel	0.300	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2810424		A3 Steel	0.172	All Ø35

Ref no.	Drawing	Material	Weight	Compatibility
2810425		A3 Steel	0.172	All Ø35
2810426		A3 Steel	0.299	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2810428		A3 Steel	0.299	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2810534	 (Bracket set including 2810413/2810424/2810426)	A3 Steel	0.300	All Ø35
2810535	 (Bracket set including 2810417/2810425/2810428)	A3 Steel	0.300	All Ø35

Ref no.	Drawing	Material	Weight	Compatibility
2811070		A3 Steel	0.300	All Ø35 NR1 N045 NP45 NPK45 NP45 Short
2811071		A3 Steel	0.300	All Ø35 NR1 N045 NP45 NPK45 NP45 Short
2811094	 [Bracket set including 2810425/2811070/2810428]	A3 Steel	0.172	All Ø35
2811095	 [Bracket set including 2810424/2811071/2810426]	A3 Steel	0.172	All Ø35
2811852		A3 Steel	0.030	All Ø35 All Ø45

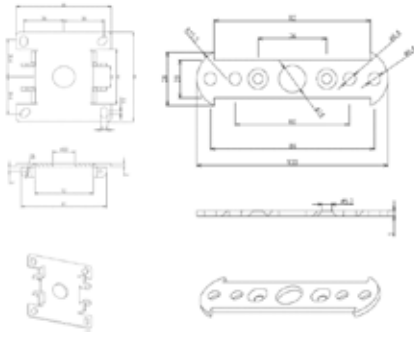
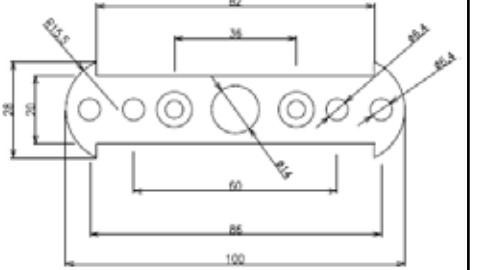
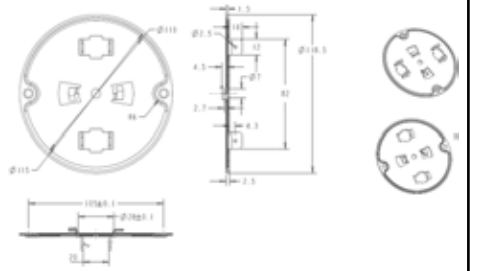
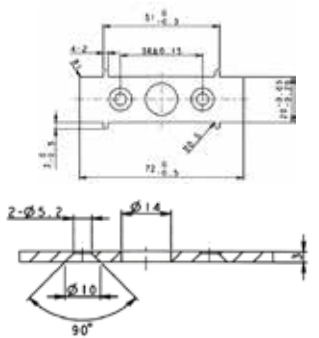
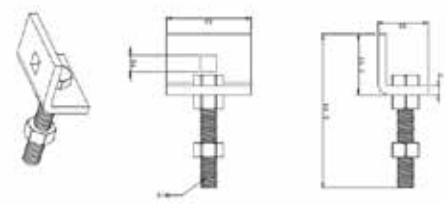
Ref no.	Drawing	Material	Weight	Compatibility
2810220		ST13 Steel	0.200	All Ø35 All Ø45
2810883		5024232	0.141	NP35 Short NR1 N045 NP45 NOM45 NP45 Short NM1(Only if use 2810249)
2810885		Steel Q235	0.141	NP35 Short NR1 N045 NP45 NOM45 NP45 Short NM1(Only if use 2810249)
2812281		Q235	0.034	DC35

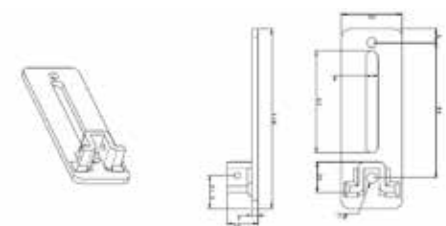
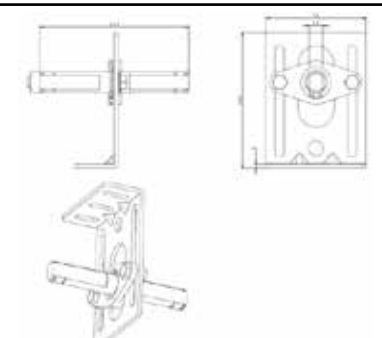
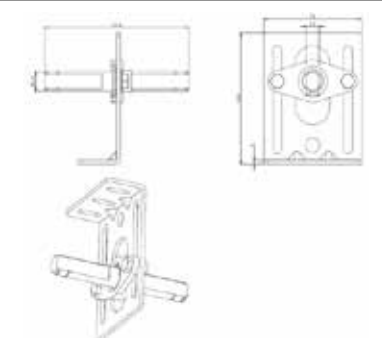
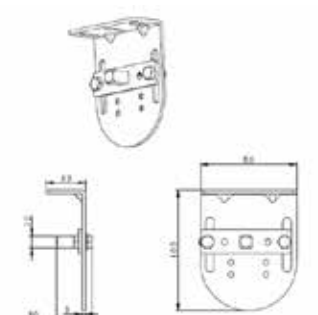
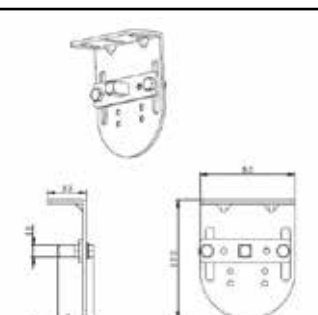


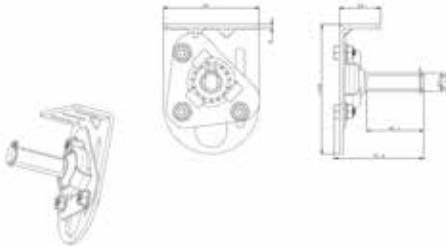
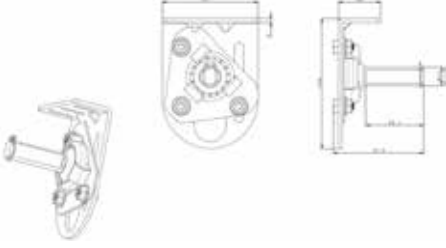
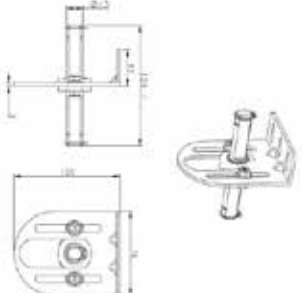
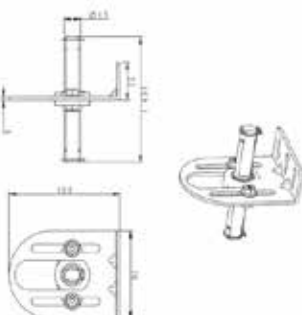
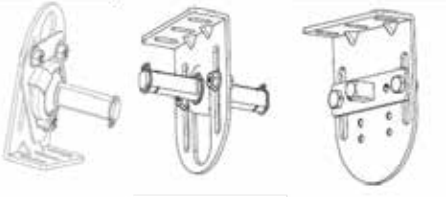
Bracket Ø45

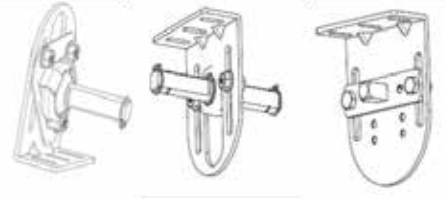
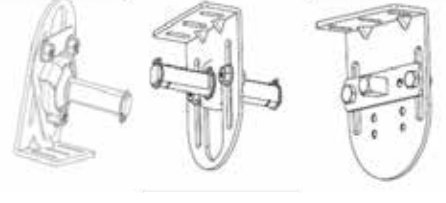
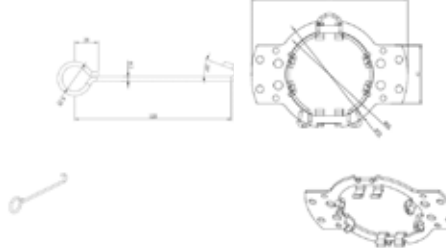
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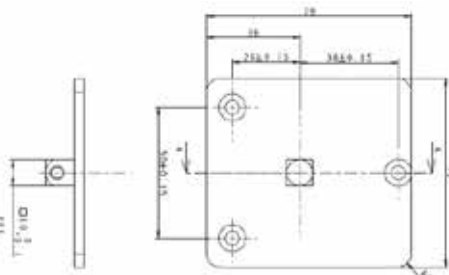
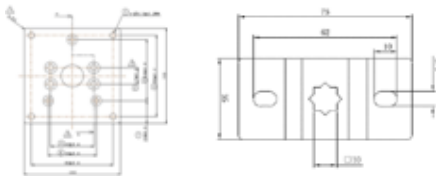
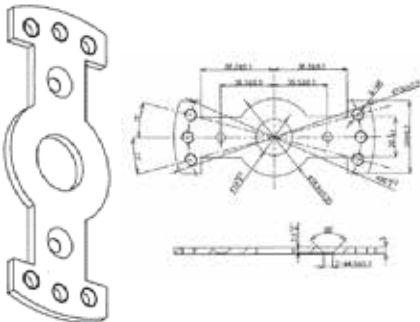
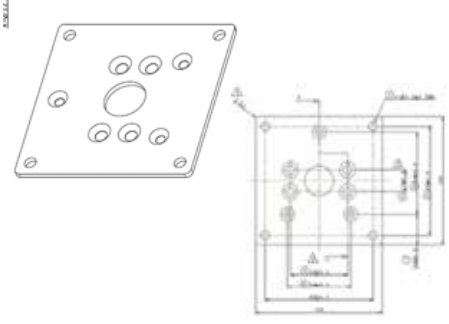
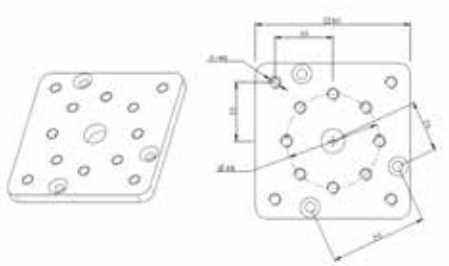
Ref no.	Drawing	Material	Weight	Compatibility
2810210		ST13 Steel	0.187	All Ø35 All Ø45
2810215		Steel Q235	0.068	All Ø35 All Ø45
2810220		ST13 Steel	0.200	All Ø35 All Ø45
2810230		Steel 45	0.039	NR1 NP45
2810226		A3 Steel	0.049	NR1 NP45

Ref no.	Drawing	Material	Weight	Compatibility
2810233		Steel Q235	0.068	NR1 NP45
2811582		Steel Q235	0.038	NR1 NP45
2810236		Steel Q235	0.038	NR1 NP45
2810881		Steel Q235	0.040	NR1 NP45
2810883		5024232	0.141	NP35 Short NR1 NO45 NP45 NOM45 NP45 Short NM1(Only if use 2810249)

Ref no.	Drawing	Material	Weight	Compatibility
2810885		Steel Q235	0.141	NP35 Short NR1 NO45 NP45 NOM45 NP45 Short NM1(Only if use 2810249)
2810413		A3 Steel	0.300	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2810417		A3 Steel	0.300	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2810419		Steel 45	0.214	NR1 NP45
2810422		Steel 45	0.214	NR1 NP45

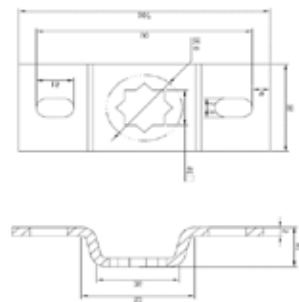
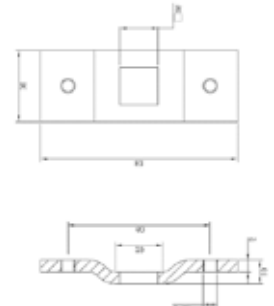
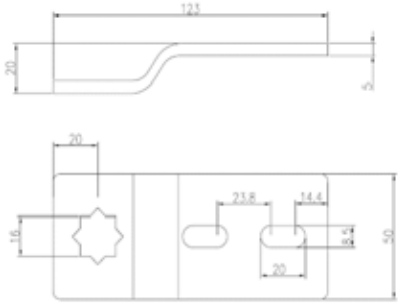
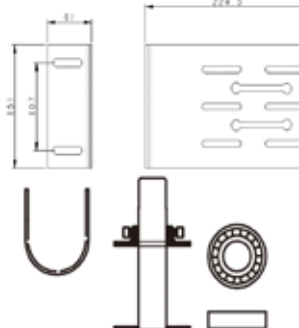
Ref no.	Drawing	Material	Weight	Compatibility
2810426		A3 Steel	0.299	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2810428		A3 Steel	0.299	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2811070		A3 Steel	0.300	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2811071		A3 Steel	0.300	All Ø35 NR1 NO45 NP45 NPK45 NP45 Short
2811096	 [Bracket set including 2810422/2811070/2810428]	A3 Steel	0.214	NR1 NP45

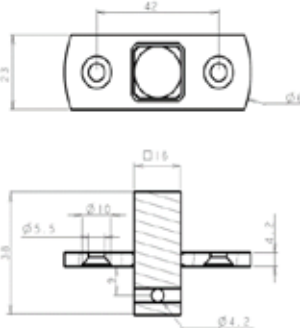
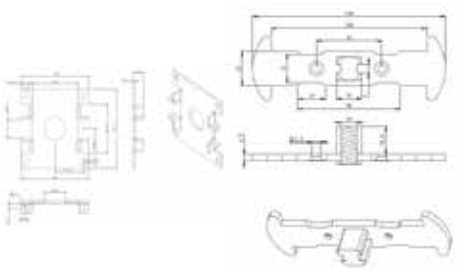
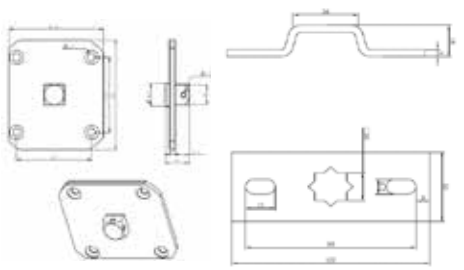
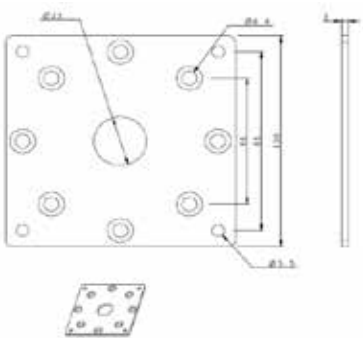
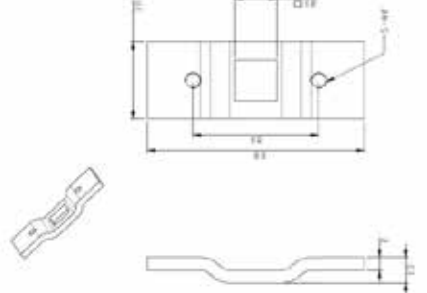
Ref no.	Drawing	Material	Weight	Compatibility
2811097	 [Bracket set including 2810419/2811071/2810426]	A3 Steel	0.214	NR1 NP45
2810536	 [Bracket set including 2810419/2810413/2810426]	A3 Steel	0.300	NR1 NP45
2810537	 [Bracket set including 2810422/2810417/2810428]	A3 Steel	0.300	NR1 NP45
2810245		ST13 Steel	0.052	NPK45
2810886		Steel Q235	0.052	NPK45

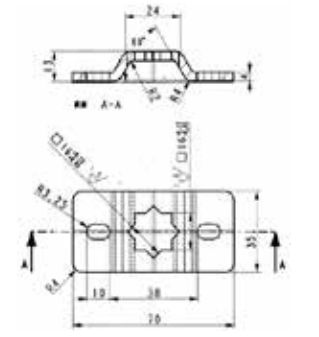
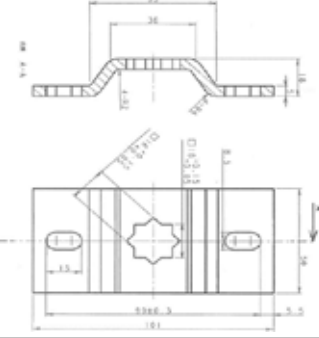
Ref no.	Drawing	Material	Weight	Compatibility
2810249		Steel Q235	0.078	NM1
2810250	 [Bracket set including 2810201/2810254]	A3 Steel	0.078	NOM45 NM1
2810252		Steel Q235	0.052	NM1
2810254		A3 Steel	0.216	NOM45 NM1
2810612		A3 Steel	0.259	NM1

Ref no.	Drawing	Material	Weight	Compatibility
2810887		Steel Q235	0.230	NM1
2811852		A3 Steel	0.030	All Ø35 All Ø45
2812080		A3 Steel	0.15	NØ45
2812107		A3 Steel	0.144	NP45 Short
2812282		Q235	0.028	DC45

Bracket Ø59

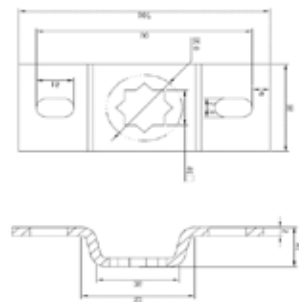
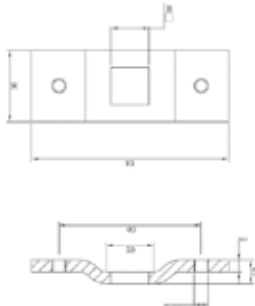
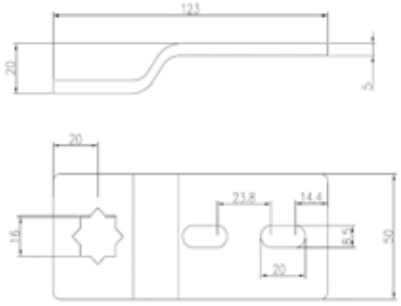
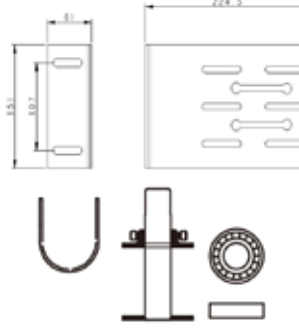
Ref no.	Drawing	Material	Weight	Compatibility
2810260		A3 Steel	0.200	NR2 NO60 NM2 NOM60
2810262		A3 Steel	0.100	NR2 NO60 NM2 NOM60
2810264		A3 Steel	0.210	NR2 NO60 NM2 NOM60
2810265		ST13 Steel	0.360	NR2 NO60 NM2 NOM60

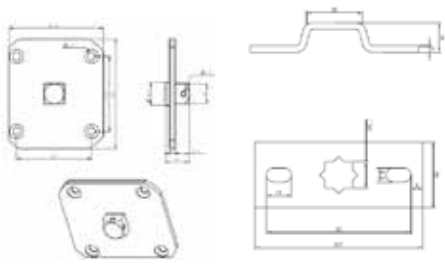
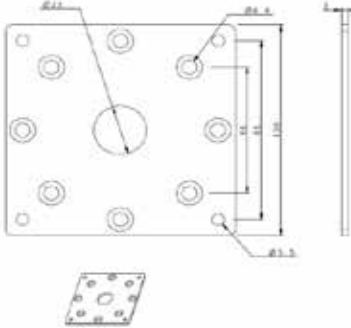
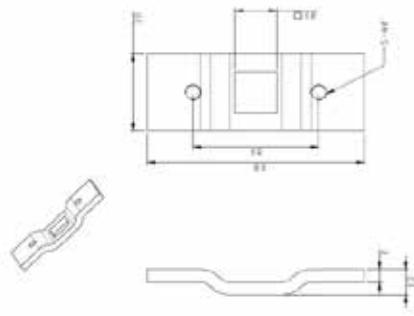
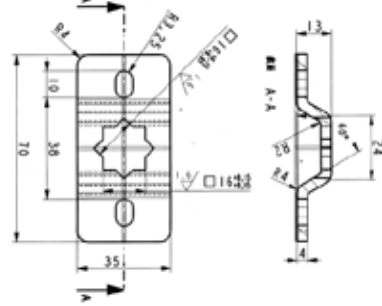
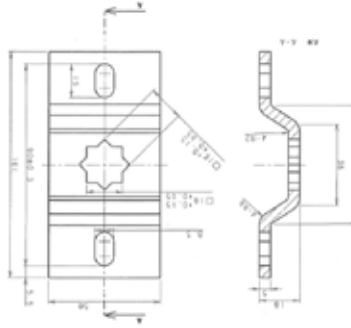
Ref no.	Drawing	Material	Weight	Compatibility
2810267		A3 Steel	0.100	NR2
2810270		A3 Steel	0.140	NR2
2810889		A3 Steel	0.400	NM2 NOM60
2810892		A3 Steel	0.210	NM2 NOM60
2811217		A3 Steel	0.080	NR2 NO60 NM2 NOM60

Ref no.	Drawing	Material	Weight	Compatibility
2811075		A3 Steel	0.080	NR2 NO60 NM2 NOM60
2811219		A3 Steel	0.200	NR2 NO60 NM2 NOM60

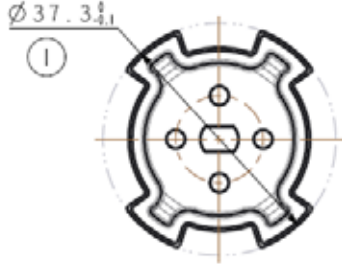
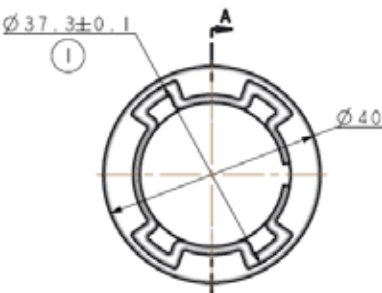
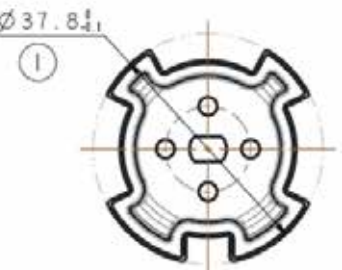
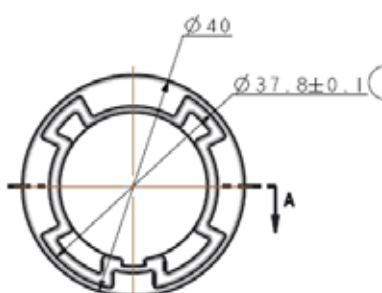
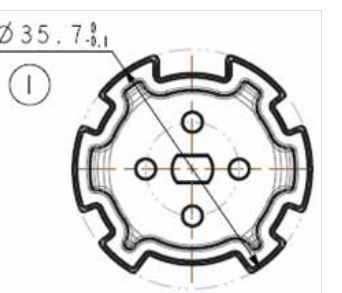
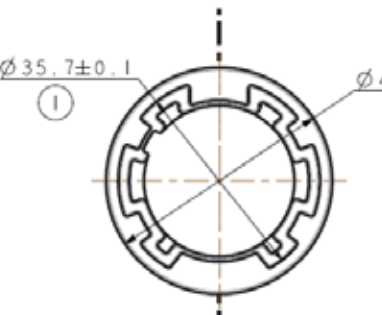
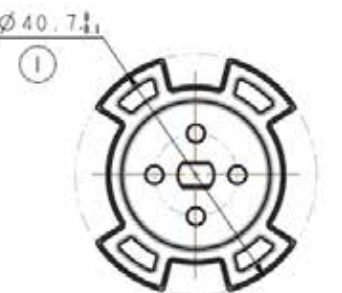
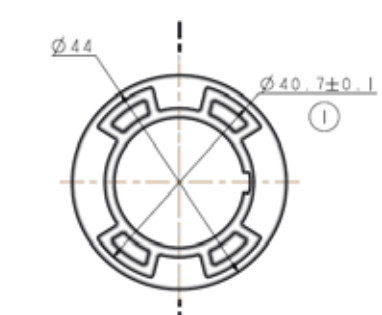


Bracket Ø60

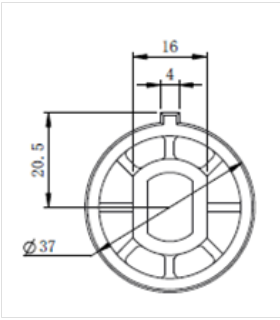
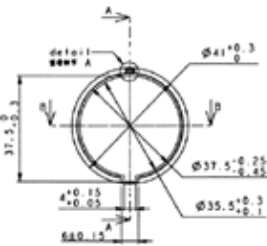
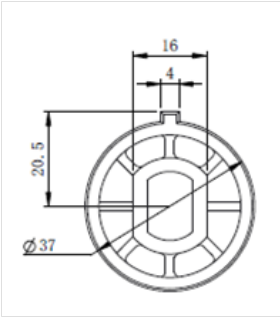
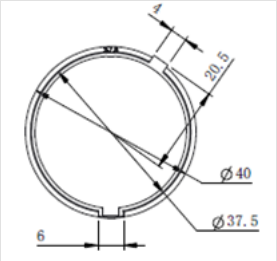
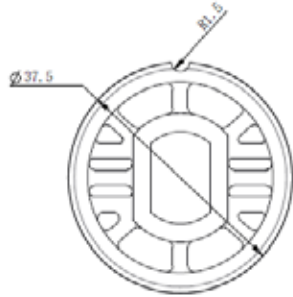
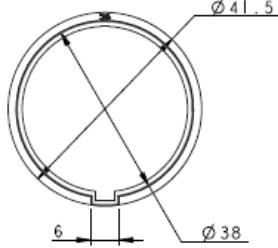
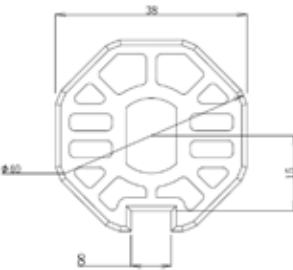
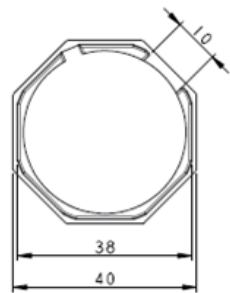
Ref no.	Drawing	Material	Weight	Compatibility
2810260		A3 Steel	0.200	NR2 NO60 NM2 NOM60
2810262		A3 Steel	0.100	NR2 NO60 NM2 NOM60
2810264		A3 Steel	0.210	NR2 NO60 NM2 NOM60
2810265		ST13 Steel	0.360	NR2 NO60 NM2 NOM60

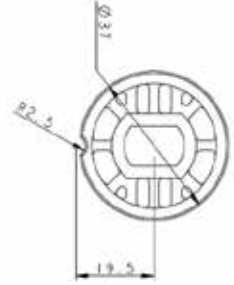
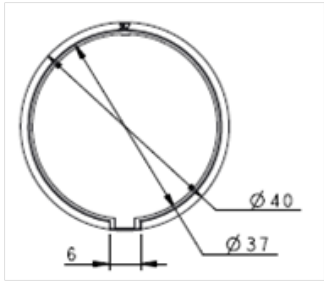
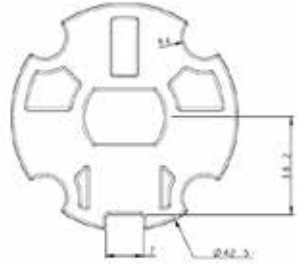
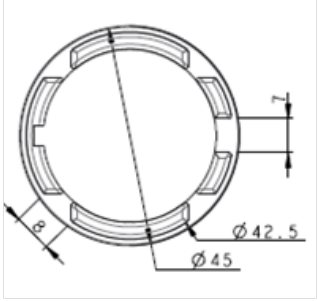
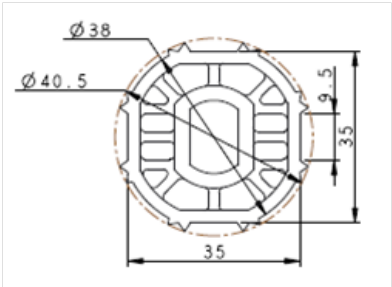
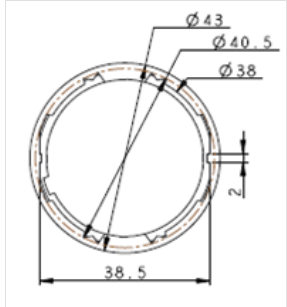
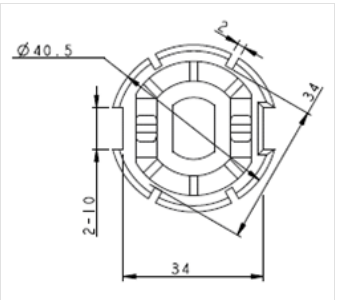
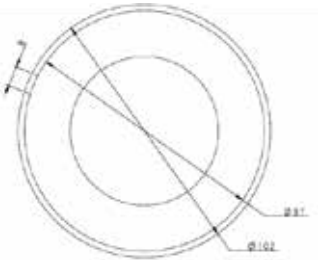
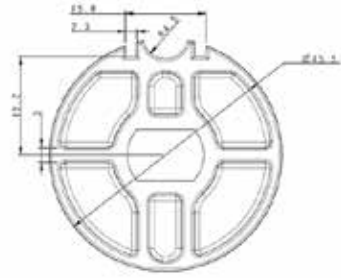
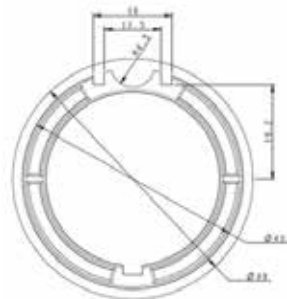
Ref no.	Drawing	Material	Weight	Compatibility
2810889		A3 Steel	0.400	NM2 NOM60
2810892		A3 Steel	0.210	NM2 NOM60
2811217		A3 Steel	0.080	NR2 NO60 NM2 NOM60
2811075		A3 Steel	0.080	NR2 NO60 NM2 NOM60
2811219		A3 Steel	0.200	NR2 NO60 NM2 NOM60

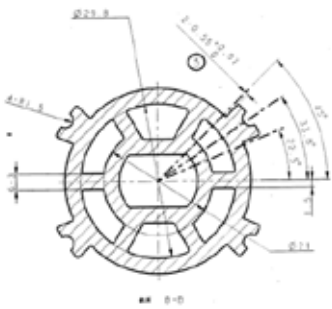
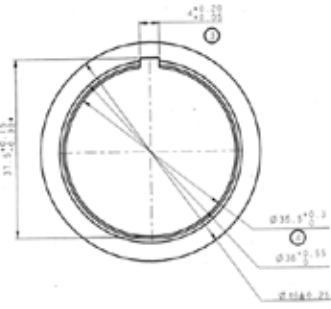
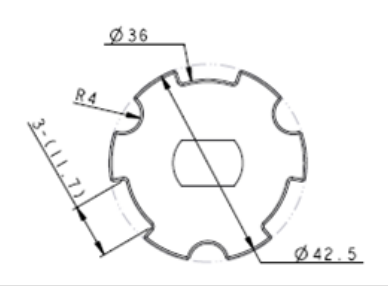
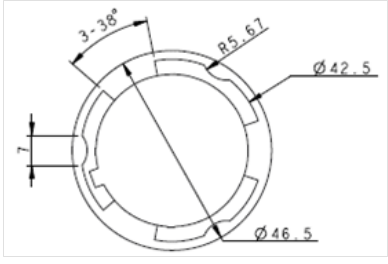
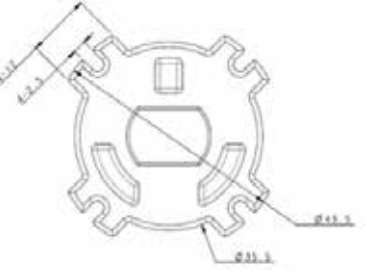
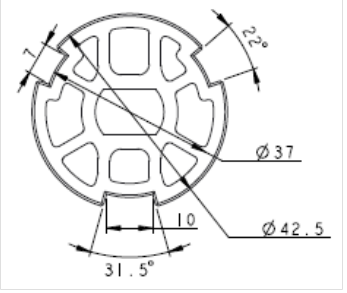
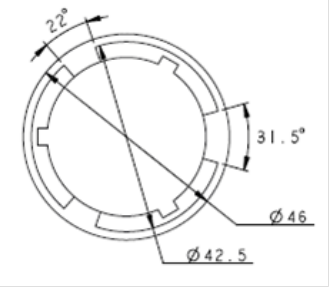
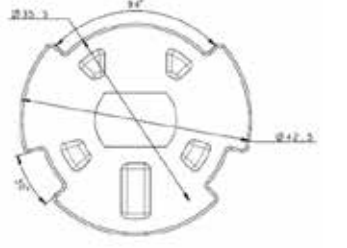
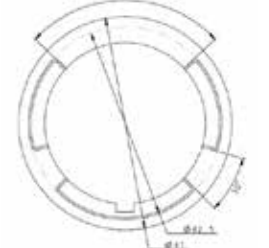
Adaptors Ø25

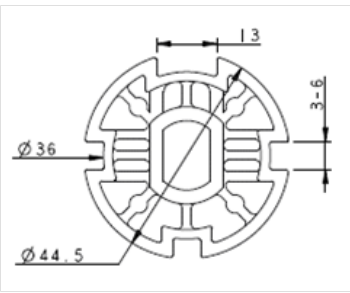
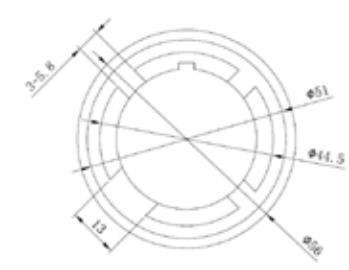
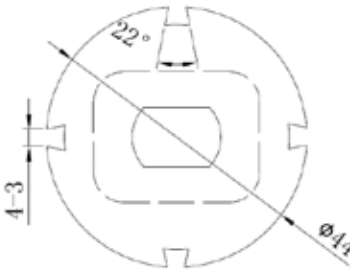
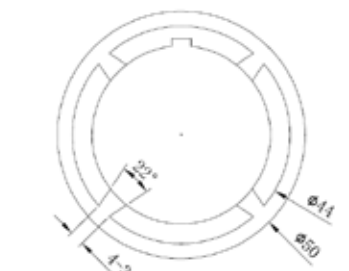
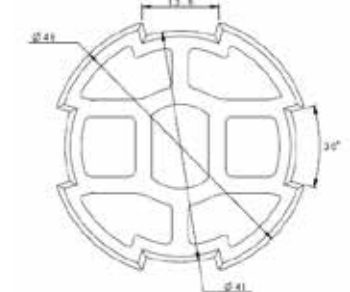
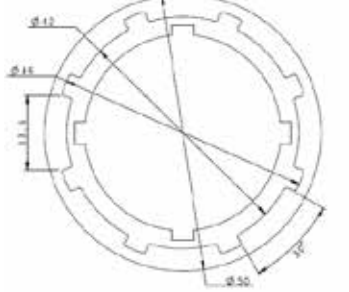
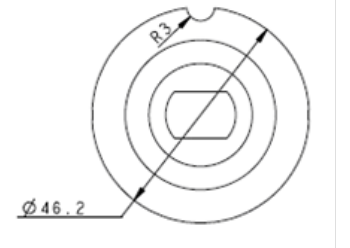
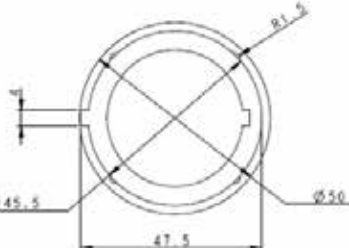
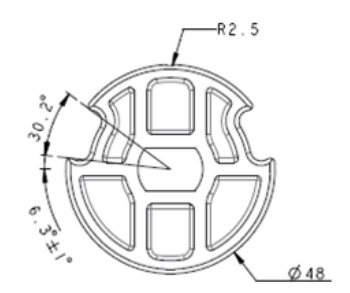
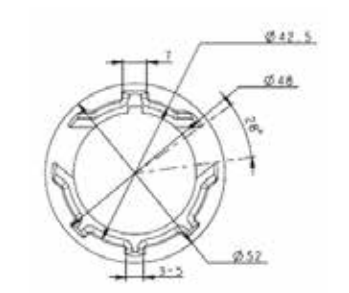
Product Name	WHEEL				CROWN			
	Drawing	Material	Weight (kg)	Ref. no	Drawing	Material	Weight (kg)	Ref. no
Round Tube D40*1.3mm		PA66+G30 Plastic	0.003	2811982		PA66+G30 Plastic	0.002	2811983
Round Tube D40*1.1mm		PA66+G30 Plastic	0.003	2811984		PA66+30GF Plastic	0.002	2811985
ROLLEASE 38		PA66+30GF Plastic	0.003	2811986		PA66+G30 Plastic	0.002	2811987
ACMEDA 44		PA66+G30 Plastic	0.004	2811988		PA66+G30 Plastic	0.002	2811989

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Product Name	WHEEL				CROWN			
	Drawing	Material	Weight (kg)	Ref. no	Drawing	Material	Weight (kg)	Ref. no
Round Tube D40*0.5m		PA66+G30 Plastic	0.004	2810169		PA66+G30 Plastic	0.003	2810168
Round Tube D40*0.5mm		PA66+G30 Plastic	0.004	2810169		PA66+30GF Plastic	0.003	2810261
Round Tube D40*1mm		PA66+30GF Plastic	0.019	2810180		PA66+G30 Plastic	0.004	2810181
Octo Tube H40*1mm		PA66+G30 Plastic	0.017	2810170		PA66+G30 Plastic	0.004	2810292

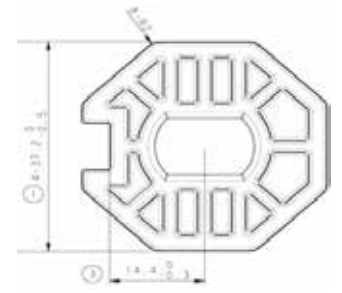
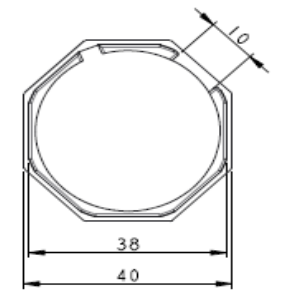
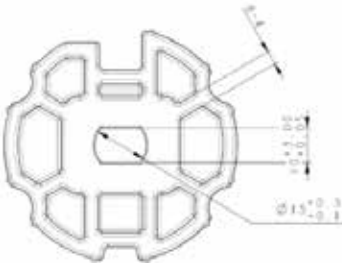
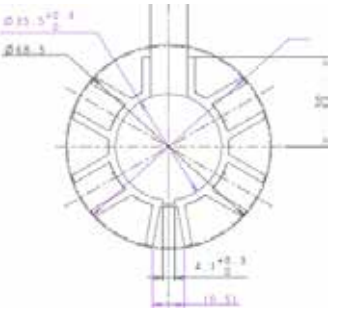
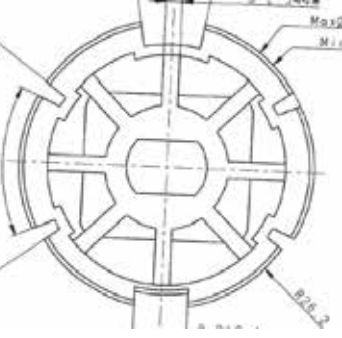
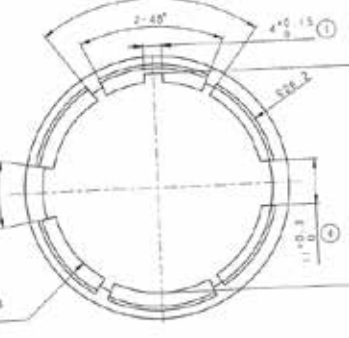
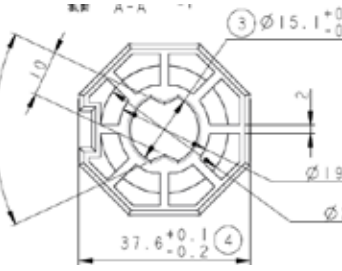
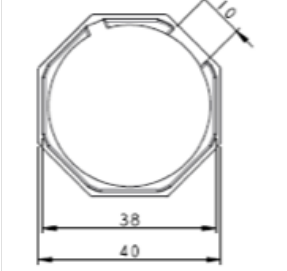
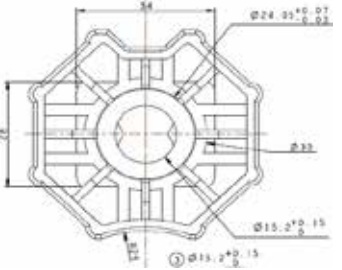
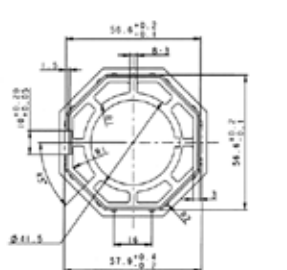
Round Tube D40*1.5mm		PA66+G30 Plastic	0.017	2810242		PA66+G30 Plastic	0.002	2810244
Round Tube D45*1mm		PA66+G30 Plastic	0.020	2810836		PA66+G30 Plastic	0.007	2810837
Round Tube D45*2mm		PA66+G30 Plastic	0.024	2810227		PA66+G30 Plastic	0.010	2810228
Round Tube D45*2mm		PA66+30GF Plastic	0.045	2810202		PA66+30GF Plastic	0.007	2810211
Round Tube D45.5(internal diameter)		PA66+30GF Plastic	0.021	2810838		PA66+30GF Plastic	0.009	2810839

Round Tube D46*1.8mm		PA66+30GF Plastic	0.036	2811310		PA66+30GF Plastic	0.009	2811311
Round Tube D46.5*1.7mm		PA66+G30 Plastic	0.018	2810840		PA66+G30 Plastic	0.007	2810841
Round Tube D43.5(internal diameter)		PA66+G30 Plastic	0.019	2810842	limit ruler			
Round Tube D47*2mm		PA66+G30 Plastic	0.019	2810843		PA66+G30 Plastic	0.008	2810844
Round Tube D47*2mm		PA66+G30 Plastic	0.056	2810845		PA66+G30 Plastic	0.046	2810846

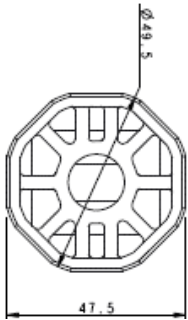
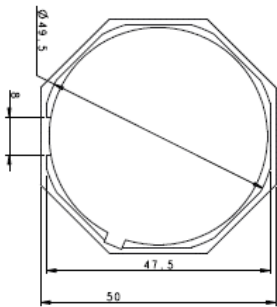
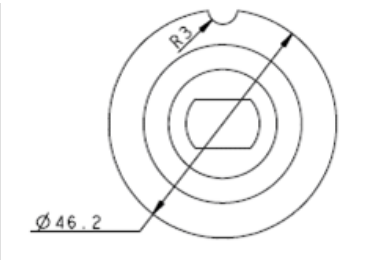
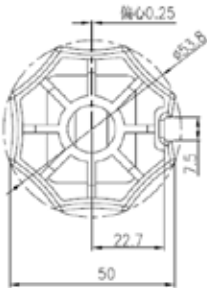
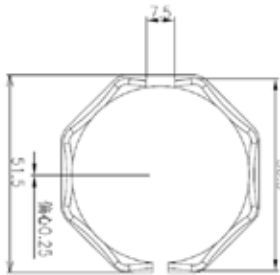
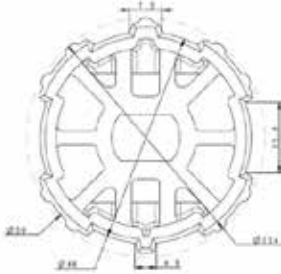
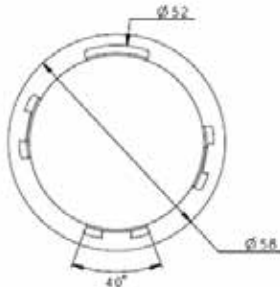
Round Tube D48*1.5mm		PA66+G30 Plastic	0.021	2810194		PA66+G30 Plastic	0.019	2810195
Round Tube D48*2mm		PVC	0.031	2810847		PVC	0.014	2810848
Round Tube D49.5*1.5mm		PA66+G30 Plastic	0.020	2811031		PA66+G30 Plastic	0.013	2811033
Round Tube D50*1.75mm		PA66+G30 Plastic	0.064	2810532		PA66+G30 Plastic	0.019	2810199
ROUND TUBE D52 x 1.5MM		PA66+G30 Plastic	0.022	2810681/ 2800006		PA66+G30 Plastic	0.015	2810682

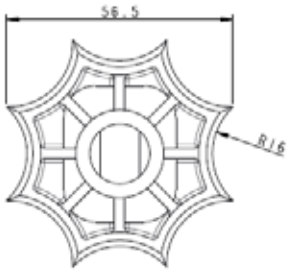
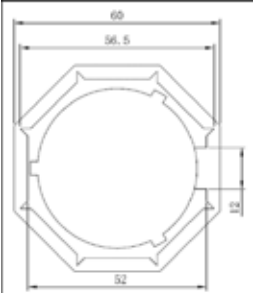
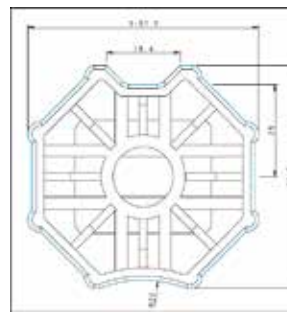
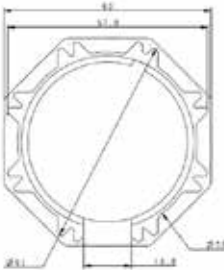
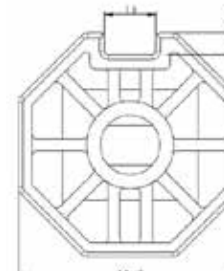
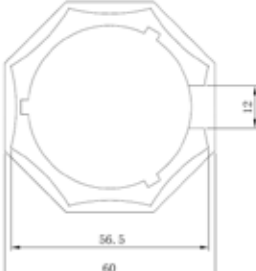
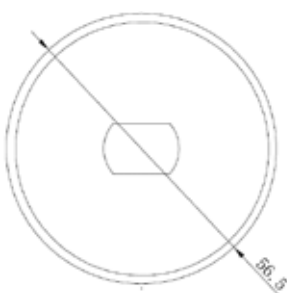
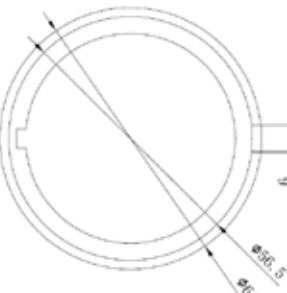
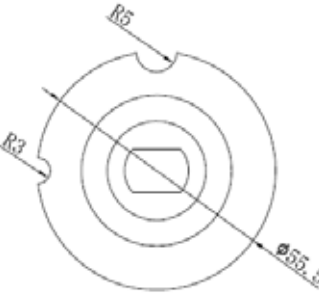
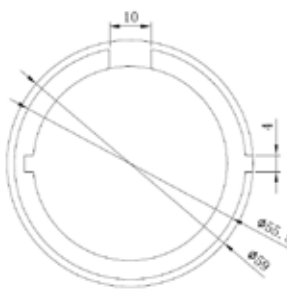
ROUND TUBE D53.2 x 1.6MM		PA66+30GF Plastic	0.020	2810849		PA66+30%GF Plastic	0.009	2810850
ROUND TUBE D58 x 2MM		PA66+30%GF Plastic	0.012	2810851		PA66+30%GF Plastic	0.015	2810852
ROUND TUBE D60 x 1MM		PA66+G30 Plastic	0.028	2810853		PA66+G30 Plastic	0.024	2810854
ROUND TUBE D60 x 2MM		Nylon 66 Plastic	0.095	2810196		PA66+G30 Plastic	0.025	2810615
ROUND TUBE D60 x 2MM		PA66+G15 Plastic	0.095	2810855		PA66+G30 Plastic	0.026	2810856

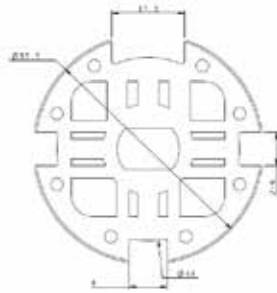
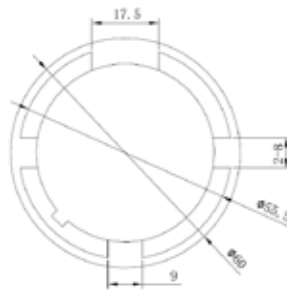
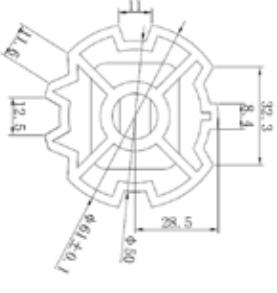
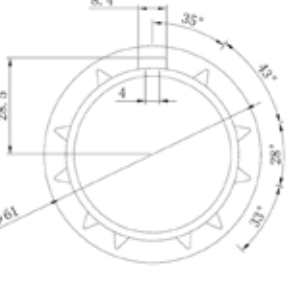
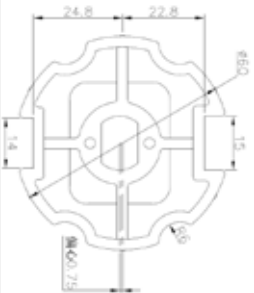
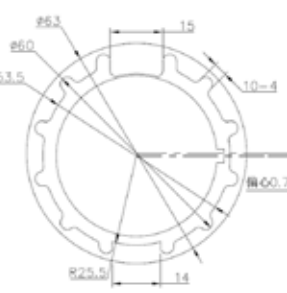
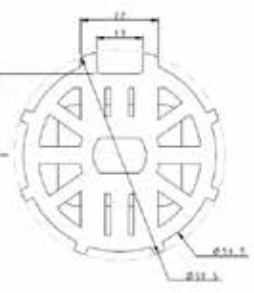
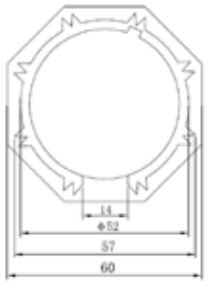
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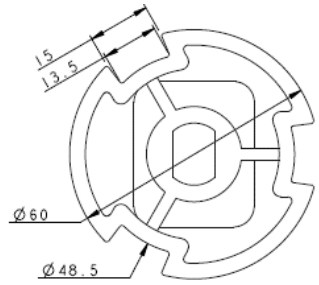
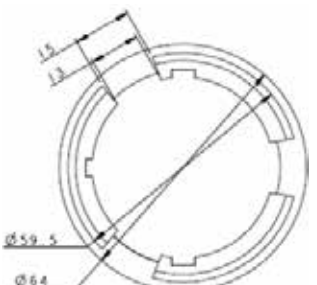
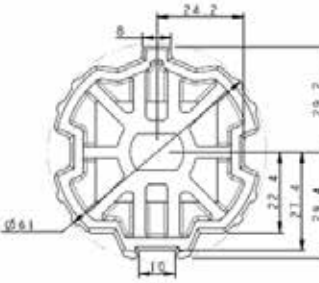
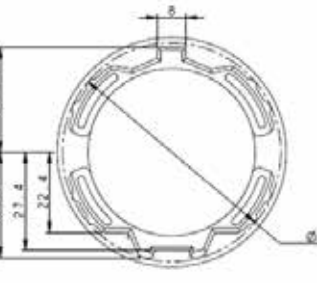
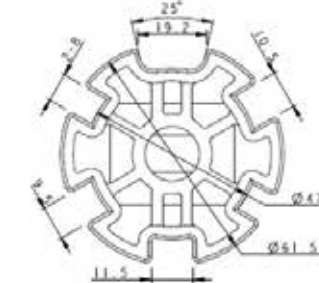
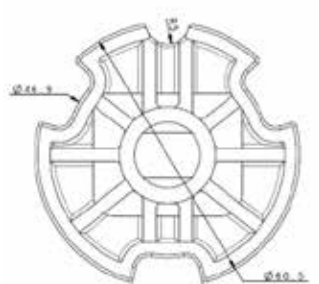
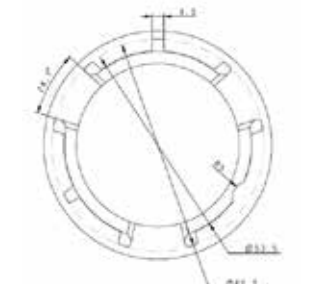
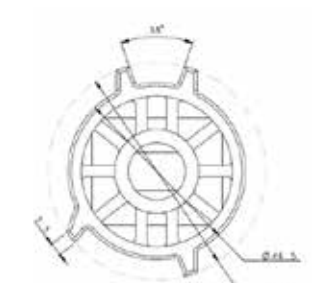
OCTO TUBE H40X1.2MM		PA66+GF30	0.016	2811994		PA66+GF30	0.004	2810292
ROUND TUBE D70 X 1MM		PA66+GF30	0.074	2812019		PA66+GF30	0.024	2812020
ROUND TUBE D58 X 1.5MM		PA66+GF30	0.063	2811904		PA66+GF30	0.022	2811905
OCTO TUBE 40X1MM		PA66+GF30	0.012	2812216		PA66+GF30	0.004	2810292
OCTO TUBE H60 X 1 MM		PA66+GF30 A3 Steel	0.050	2811967		PA66+GF15	0.040	2810313

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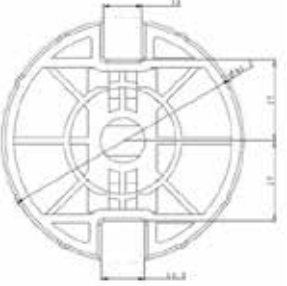
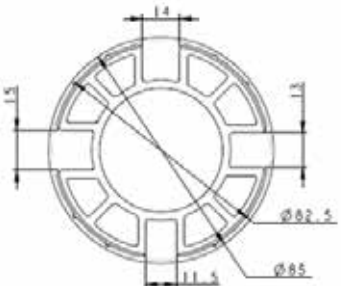
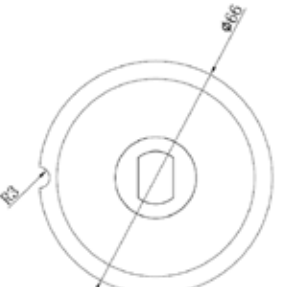
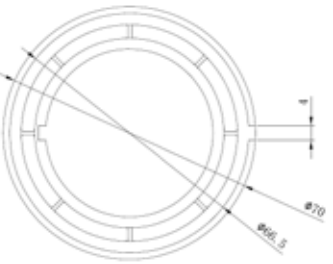
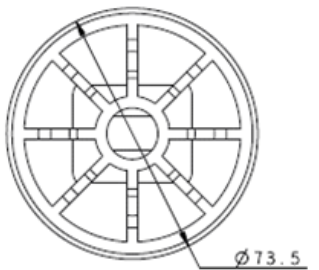
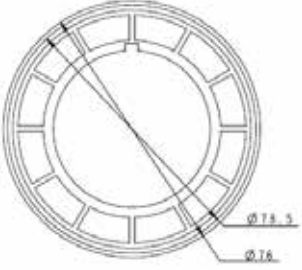
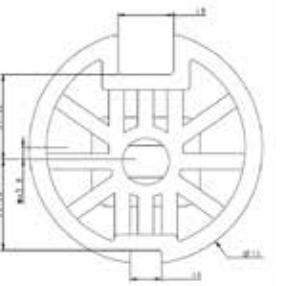
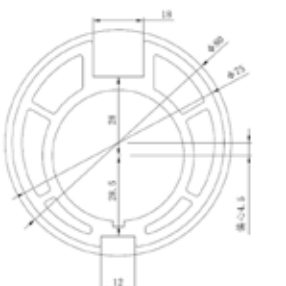
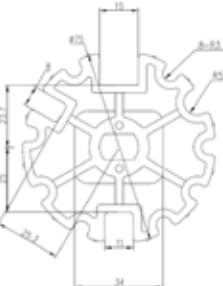
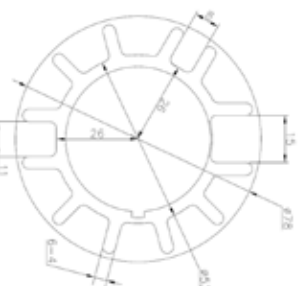
Product Name	WHEEL				CROWN			
	Drawing	Material	Weight (kg)	Ref. no	Drawing	Material	Weight (kg)	Ref. no
OCTO TUBE H50 x 1.5MM		ZL 104 Aluminum Alloys	0.060	2810857		PA66+G30 Plastic	0.006	2810858
ROUND TUBE D50 x 1.75MM		PA66+G30 Plastic	0.064	2810532	limit ruler			
OCTO TUBE H53 X 1.5 MM		PA66+G50 Plastic	0.055	2810618		PA66+G50 Plastic	0.009	2810619
TUBE ZF54		PA66+G30 Plastic	0.046	2810348		PA66+G30 Plastic	0.008	2810355

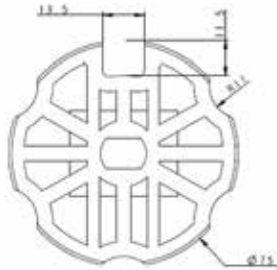
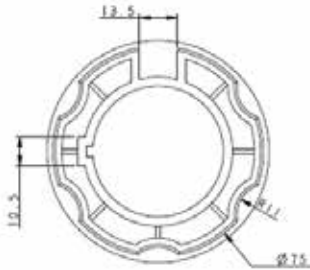
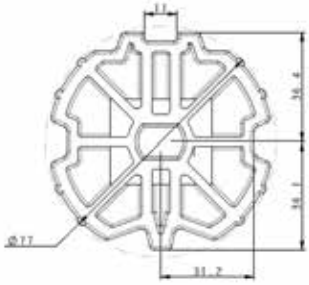
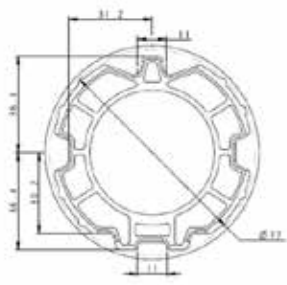
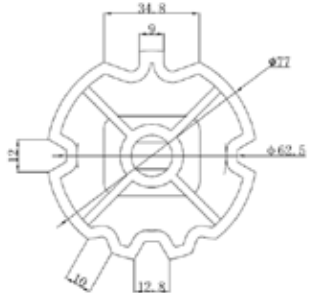
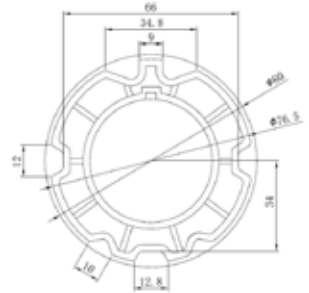
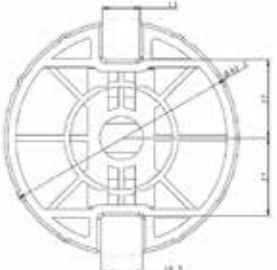
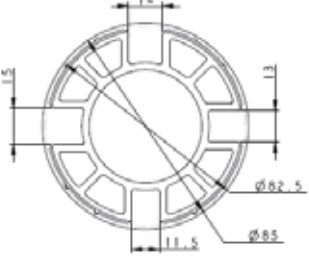
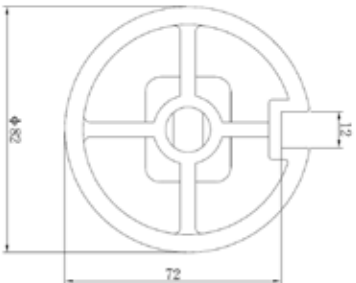
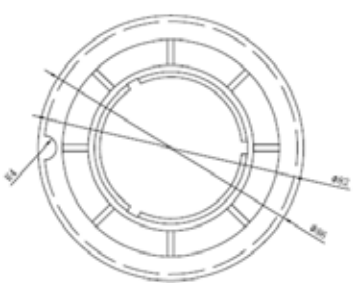
OCTO TUBE H60 X 1.5 MM		ZL 104 Aluminum Alloys	0.067	2810620		PA66+G15 Plastic	0.014	2810621
OCTO TUBE H60 X 1 MM		PA66+G50 Plastic	0.042	2810622		PA66+G50 Plastic	0.025	2810623
OCTO TUBE H60 X 1.5 MM		PA66+G30 Plastic	0.053	2810547		PA66+G30 Plastic	0.017	2810546
TUBE D60 x 1.5MM		ZL 102 Aluminum Alloys	0.070	2810859		ZL 102 Aluminum Alloys	0.038	2810860
ROUND TUBE D60 x 2MM		PA66+G15 Plastic	0.095	2810855		PA66+30GF Plastic	0.014	2810861

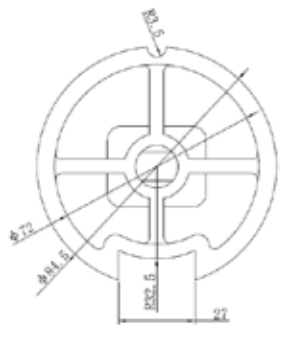
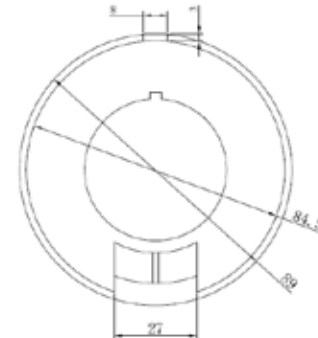
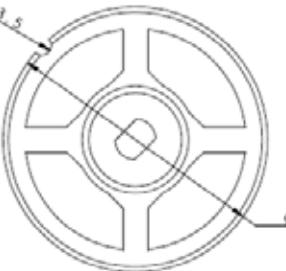
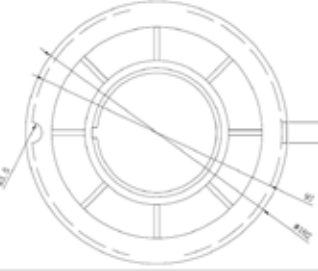
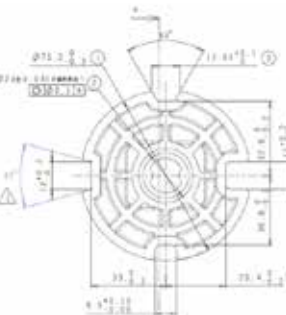
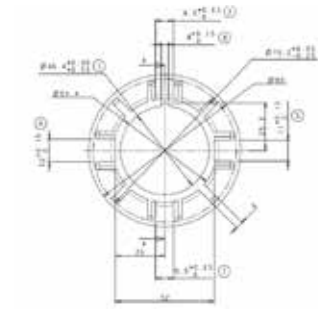
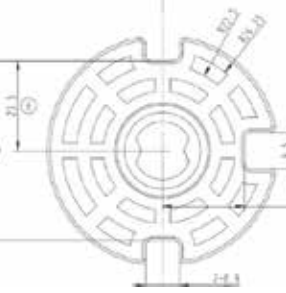
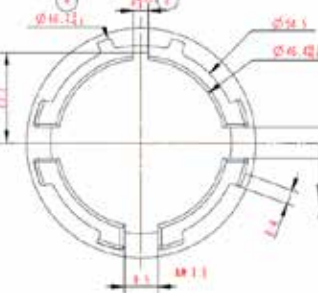
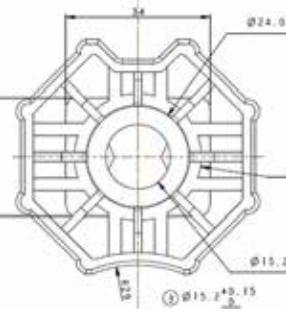
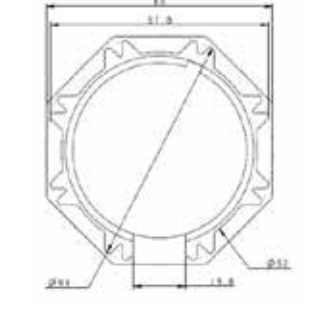
ROUND TUBE D60 x 2MM		Nylon 66 Plastic	0.080	2810196		Nylon 66 Plastic	0.024	2810562
TUBE D63 x 0.8/0.9MM		PA66+G30 Plastic	0.065	2810174		PA66+G30 Plastic	0.027	2810175
ROUND TUBE D63 x 1.2 MM		PA66+G30 Plastic	0.048	2810862	limit ruler			
ROUND TUBE D63 x 1.5MM		PA66+G30 Plastic	0.071	2810229		PA66+G30 Plastic	0.021	2810231
ROUND TUBE D63 x 1.5MM		PA66+G15 Plastic	0.086	2810624		PA66+G30 Plastic	0.029	2810167

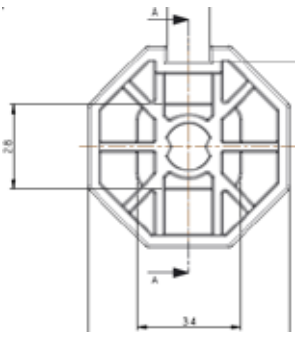
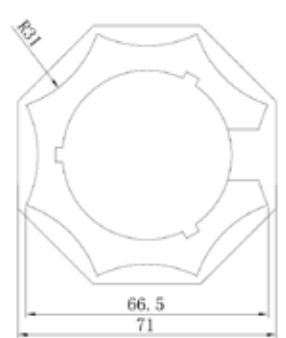
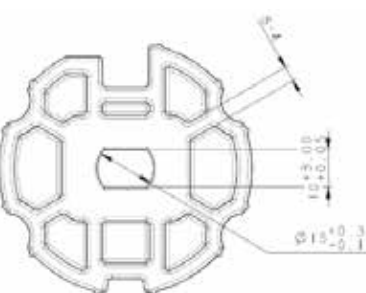
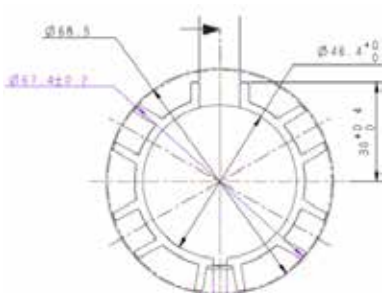
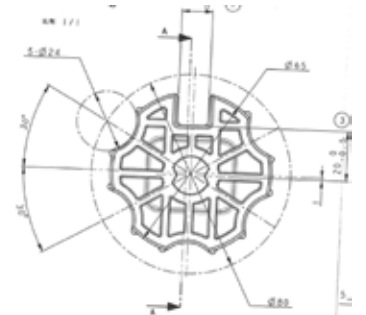
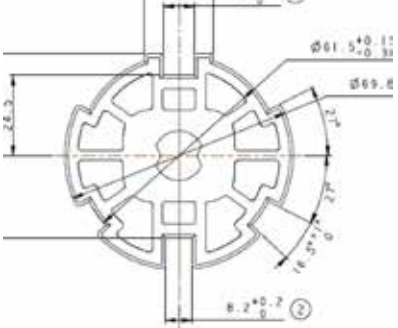
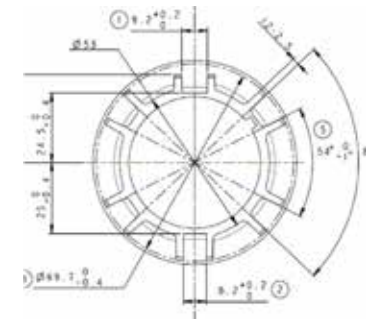
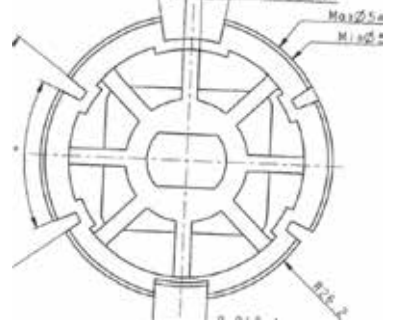
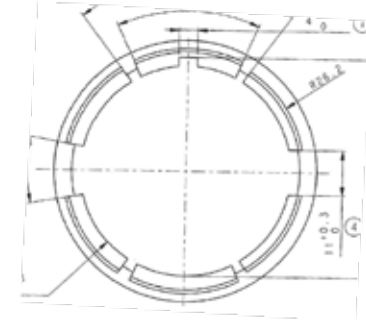
ROUND TUBE D63 x 1.5MM		PA66+30%GF Plastic	0.080	2810863		PA66+30%GF Plastic	0.030	2810864
TUBE ZF64		PA66+G30 Plastic	0.055	2810370		PA66+G30 Plastic	0.028	2810371
ROUND TUBE D66 x 2MM		PA66+30%GF Plastic	0.060	2810868	limit ruler			
TUBE D65 x 2MM		PA66+G30 Plastic	0.060	2810865		PA66+G30 Plastic	0.025	2810866
ROUND TUBE D65 x 3MM		PA66+G30 Plastic	0.040	2810867	limit ruler			

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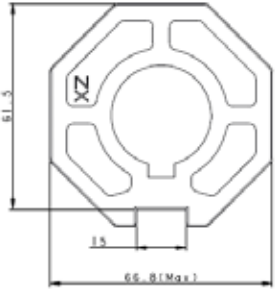
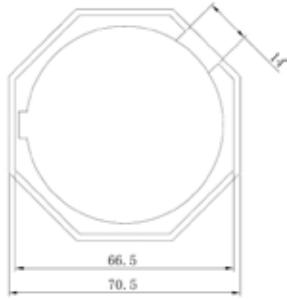
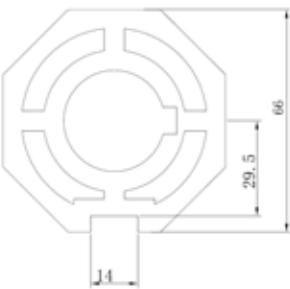
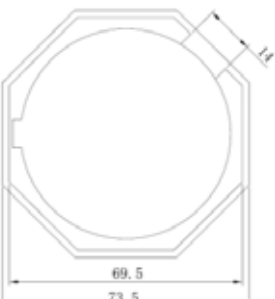
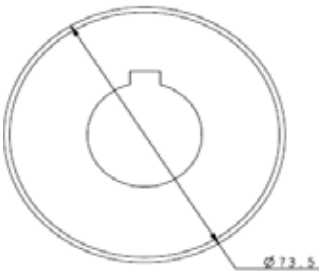
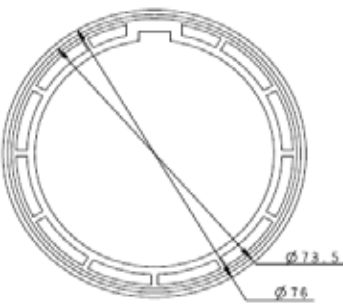
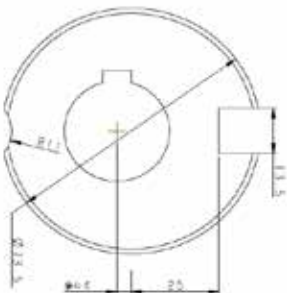
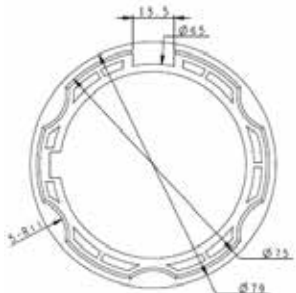
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TUBE D70 x 1.8MM		PA66+G30 Plastic	0.091	2810187		PA66+G30 Plastic	0.032	2810188
ROUND TUBE D76 x 1MM		PA66+G30 Plastic	0.092	2810869		PA66+G30 Plastic	0.048	2810870
TUBE D78 x 1.3MM		PA66+G15 Plastic	0.105	2810213		PA66+G15 Plastic	0.043	2810216
TUBE D78 x 1.4MM		PA66+G30 Plastic	0.100	2810237		PA66+G30 Plastic	0.038	2810238

ROUND TUBE D78 x 1.4MM		Nylon 66 Plastic	0.101	2810185		PA66+30GF Plastic	0.031	2810186
TUBE ZF80		PA66+G30 Plastic	0.074	2810372		PA66+G30 Plastic	0.038	2810377
ROUND TUBE D80 x 1.5MM		PA66+G30 Plastic	0.086	2810176		PA66+G30 Plastic	0.055	2810177
ROUND TUBE D85 x 1.2MM		PA66+G50 Plastic	0.062	2810240		PA66+G50 Plastic	0.072	2810241
ROUND TUBE D85 x 1.4MM		PA66+G15 Plastic	0.122	2810192		PA66+G15 Plastic	0.057	2810193

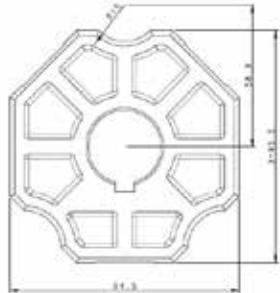
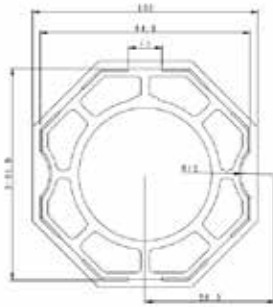
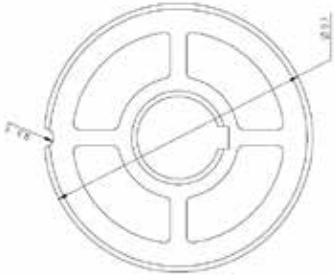
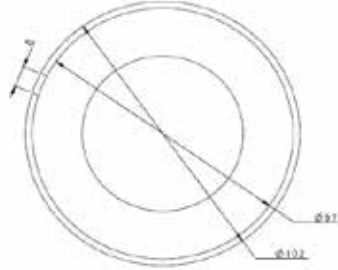
TUBE D89 x 2MM		PA66+G15 Plastic	0.127	2810217		PA66+30GF Plastic	0.060	2810219
ROUND TUBE D70 x 1.5MM		ZL 104 Aluminum Alloys	0.282	2810266		PA66+30GF Plastic	0.085	2810221
ROUND TUBE D75 * 2.5MM		PA66+GF30	0.060	2811863		PA66+GF30	0.030	2811866
ROUND TUBE D60 *2MM		PA66+GF30	0.052	2811864		PA66+GF30	0.025	2811867
OCTO TUBE H60 X 1 MM		PA66+GF30 A3 Steel	0.050	2811967		PA66+GF30	0.025	2810623

OCTO TUBE H70 X 1.5MM		PA66+GF30 A3 Steel	0.650	2811877		PA66+G30 Plastic	0.036	2810628
ROUND TUBE D70 X 1MM		PA66+GF30	0.074	2812019		PA66+GF30	0.024	2812021
ROUND TUBE D68*1.3MM		PA66+GF15	0.085	2811979	limit ruler			
ROUND TUBE D72X1MM		PA66+GF30	0.070	2812176		PA66+GF30	0.021	2812177
ROUND TUBE D58 X 1.5MM		PA66+GF30	0.063	2811904		PA66+GF30	0.011	2811907

Adaptors Ø59

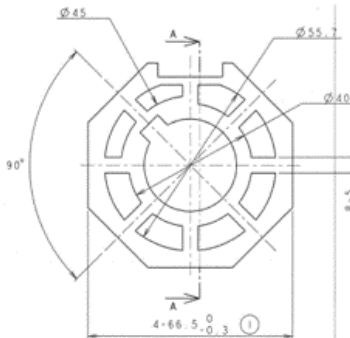
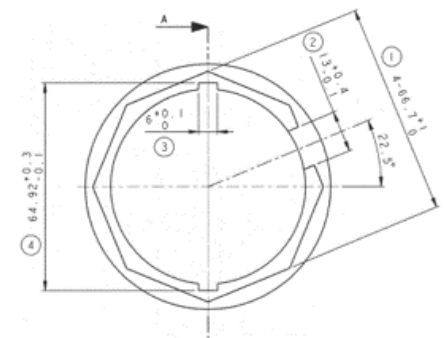
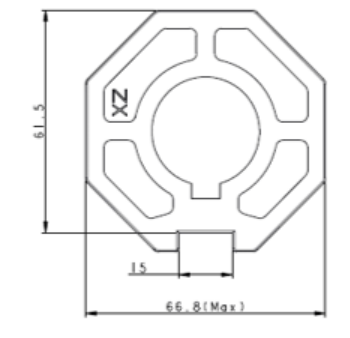
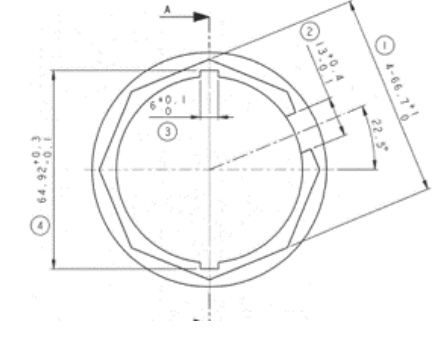
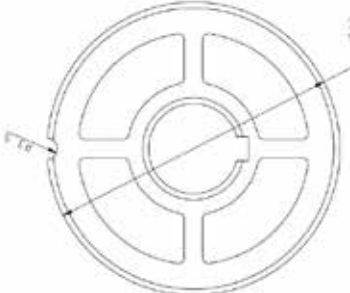
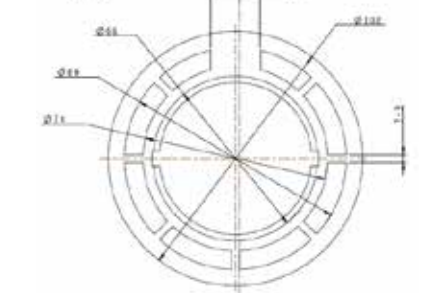
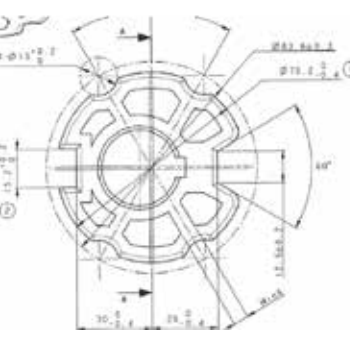
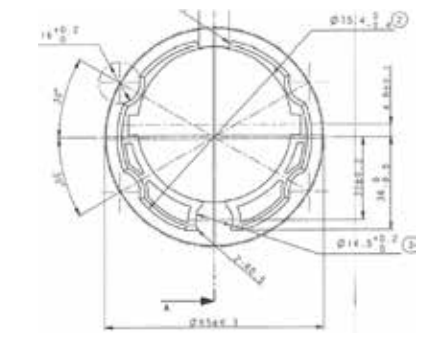
Product Name	WHEEL				CROWN			
	Drawing	Material	Weight (kg)	Ref. no	Drawing	Material	Weight (kg)	Ref. no
OCTO TUBE H70 x 1.5 MM		LY16 Aluminum Alloys	0.375	2810531		PA66+G15 Plastic	0.022	2810629
OCTO TUBE H73 x 1.5 MM		ZL 104 Aluminum Alloys	0.038	2810224		PA66+G15 Plastic	0.030	2810225
ROUND TUBE D76 x 1MM		Aluminum Alloys	0.393	2810871		PA66+G30 Plastic	0.044	2810872
ROUND TUBE D78 x 1.4MM		Aluminum Alloys	0.448	2810873		PA66+G30 Plastic	0.043	2810874

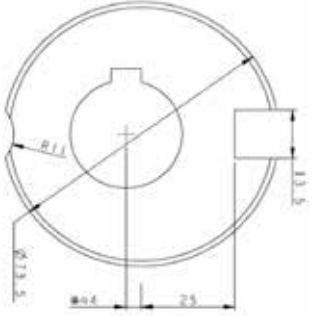
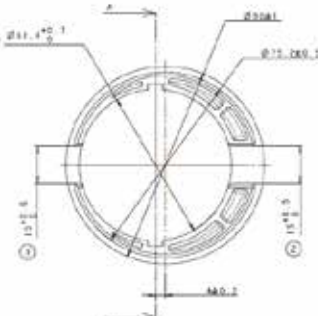
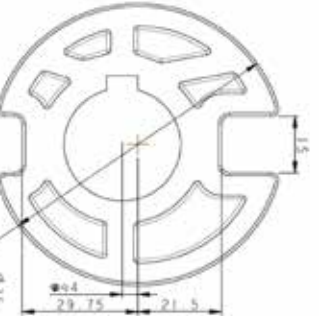
ROUND TUBE D78 x 1.4MM		ZL 104 Aluminum Alloys	0.360	2810875		PA66+G30 Plastic	0.039	2810876
TUBE ZF 80		ZL 102 Aluminum Alloys	0.191	2811087		PA66+G30 Plastic	0.057	2811088
ROUND TUBE D89 x 2MM		ZL 104 Aluminum Alloys	0.315	2810178		ABS Plastic	0.082	2810179
ROUND TUBE D98 x 1.7MM		ZL 104 Aluminum Alloys	0.299	2810184		ZL 104 Aluminum Alloys	0.255	2810300
ROUND TUBE D98 x 1.7MM		ZL 104 Aluminum Alloys	0.299	2810184		Nylon 66 Plastic	0.150	2810223

OCTO TUBE H102 x 2.5MM		ZL 102 Alumi-num Alloys	0.325	2810246		PA66+G30 Plas-tic	0.132	2810256
ROUND TUBE D102 x 2MM		ZL 104 Alumi-num Alloys	0.310	2810197		PA66+30GF Plastic	0.196	2810198

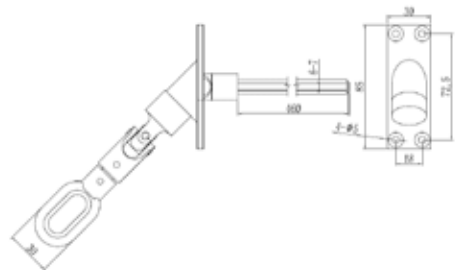
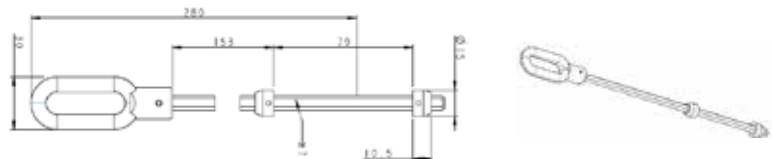
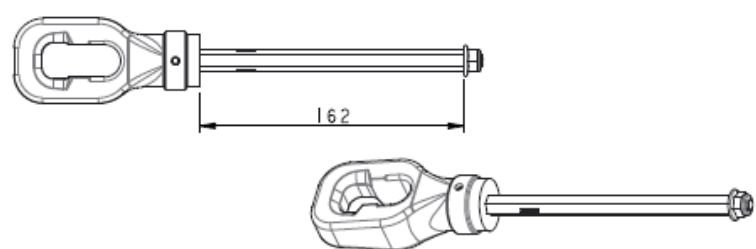
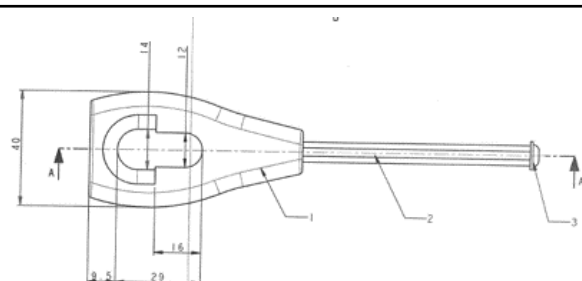
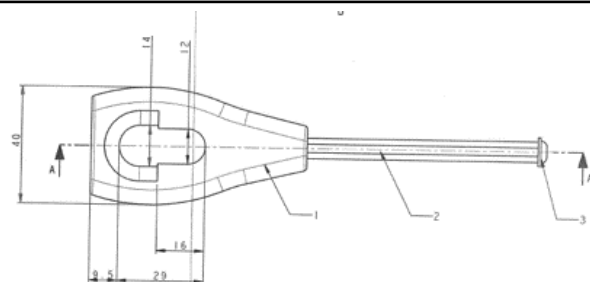


Adaptors Ø60

Product Name	WHEEL				CROWN			
	Drawing	Material	Weight (kg)	Ref. no	Drawing	Material	Weight (kg)	Ref. no
OCTO TUBE H70 x 1.5 MM		ADC12	0.159	2811875		PP	0.022	2811876
OCTO TUBE H70 x 1.5 MM		LY16 Aluminum Alloys	0.375	2810531		PP	0.022	2811876
ROUND TUBE D102 x 2MM		ZL 104 Aluminum Alloys	0.310	2810197		PS66+GF30	0.112	2812082
ROUND TUBE D75		ZL 104 Aluminum Alloys	0.215	2812191		PA66+30GF Plastic	0.041	2812190

Product Name	WHEEL				CROWN			
	Drawing	Material	Weight (kg)	Ref. no	Drawing	Material	Weight (kg)	Ref. no
ROUND TUBE D78*1.4M		Aluminum Alloys	0.448	2810873		PA66+30GF Plastic	0.039	2812183
ROUND TUBE D78*1.4M		ZL 104 Aluminum Alloys	0.360	2810875	limit ruler			

Eye Outlet

Description	Drawing	Material	Weight (kg)	Ref. no
Eye Outlet With Universal Joint		Steel	0.36	2810278
Eye Outlet With 250mm		Steel	0.14	2810893
Eye Outlet With 162mm		PA66+30GF Plastic	0.09	2811074
Eye Outlet With 150mm		ABS+45#	0.059	2811854
Eye Outlet With 200mm		ABS+45#	0.083	2811874

Cranks

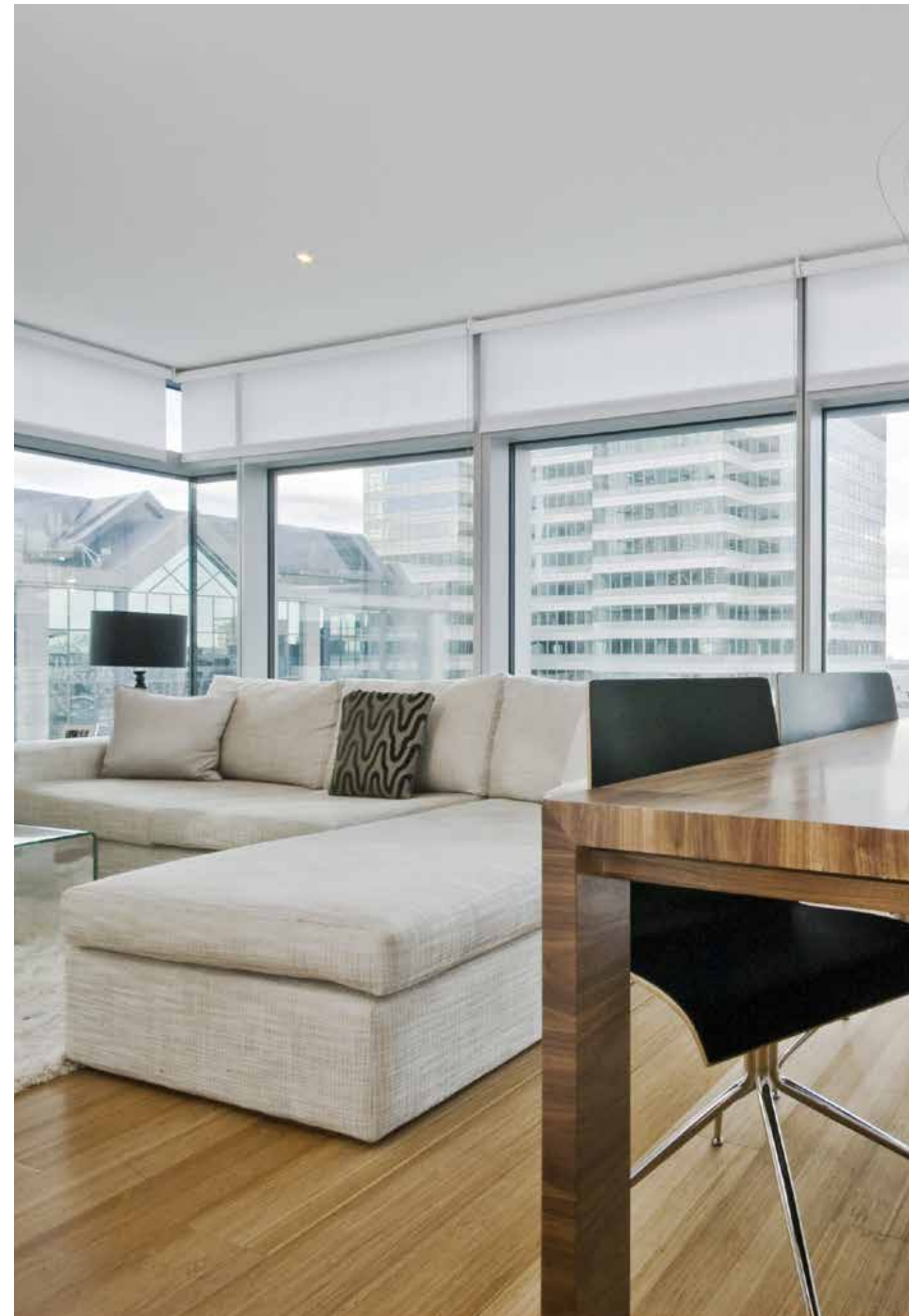
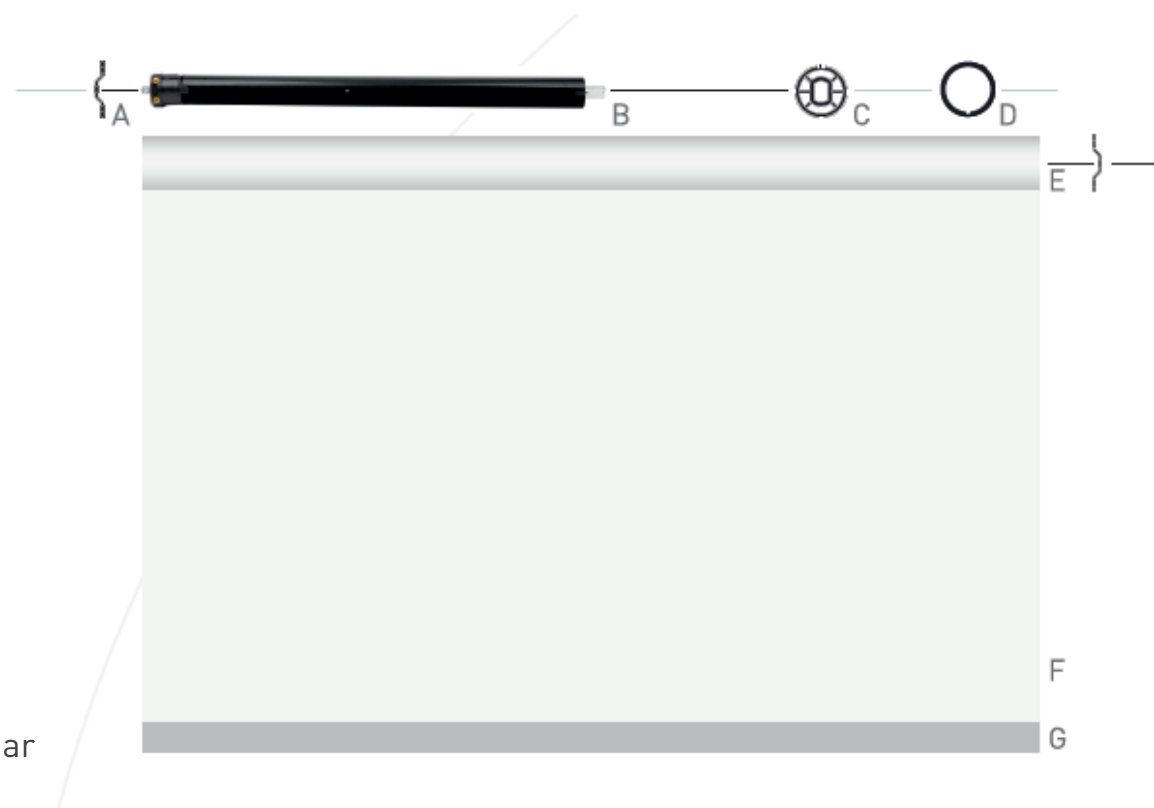
Description	Drawing	Material	Weight (kg)	Ref. no
Crank length 1500mm		Steel	1.05	2810794
Crank length 2000mm		Steel	1.22	2810283



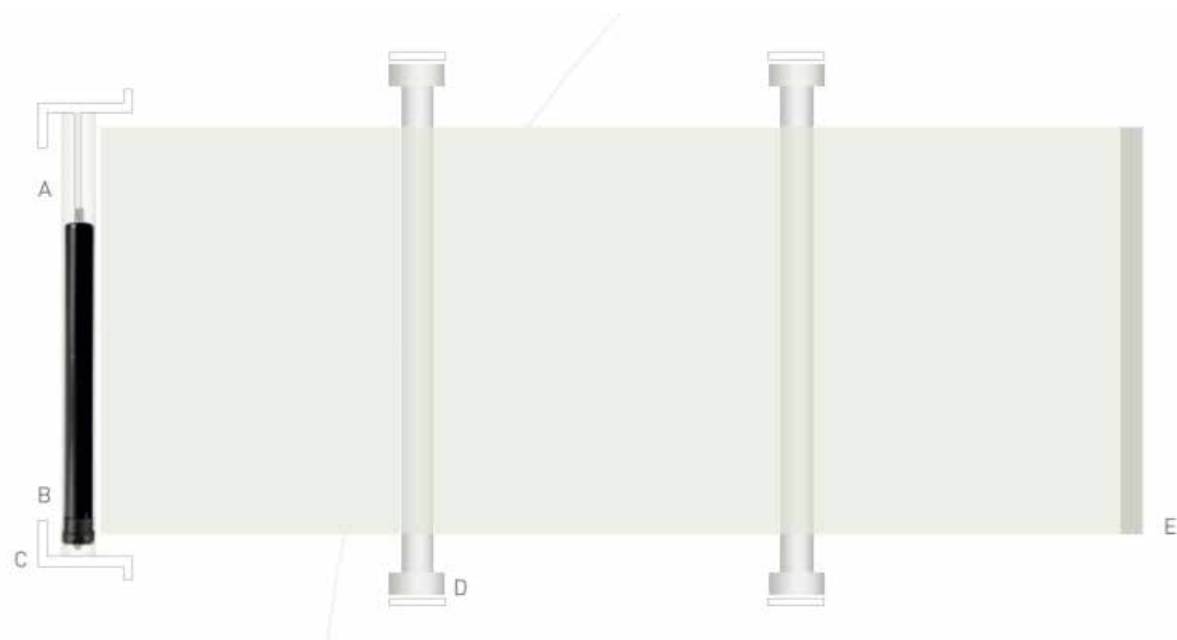
MOTORIZED SOLUTIONS

- Motorized Roller blinds
- Motorized Skylights
- Motorized External screens
- Motorized Awnings
- Motorized Industrial closures
- Motorized Projection screens
- Motorized Roller shutters
- Motorized Venetian blinds
- Motorized Curtain motors

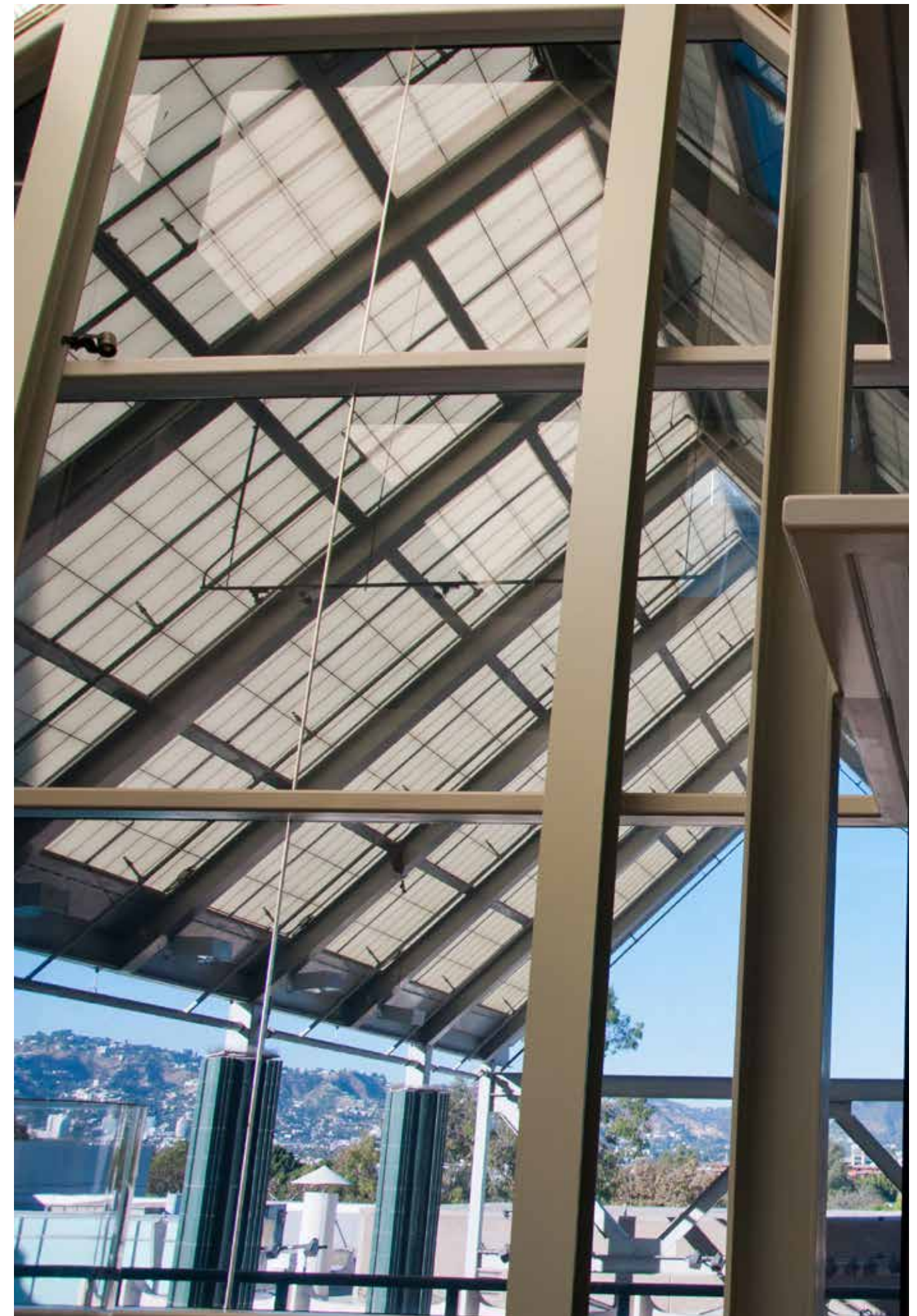
Motorized Roller Blinds



Motorized Skylights



- A. Tube
- B. Motor
- C. Bracket
- D. Supporting tube
- E. Bottom bar

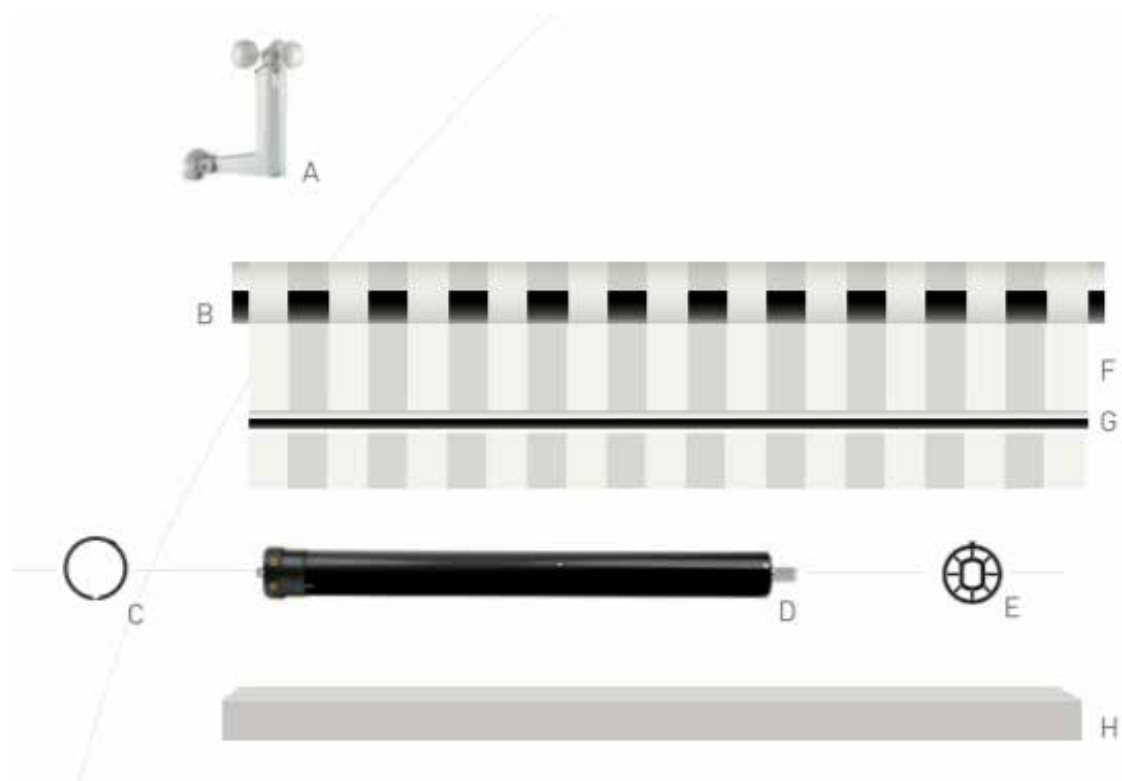


Motorized External Screens

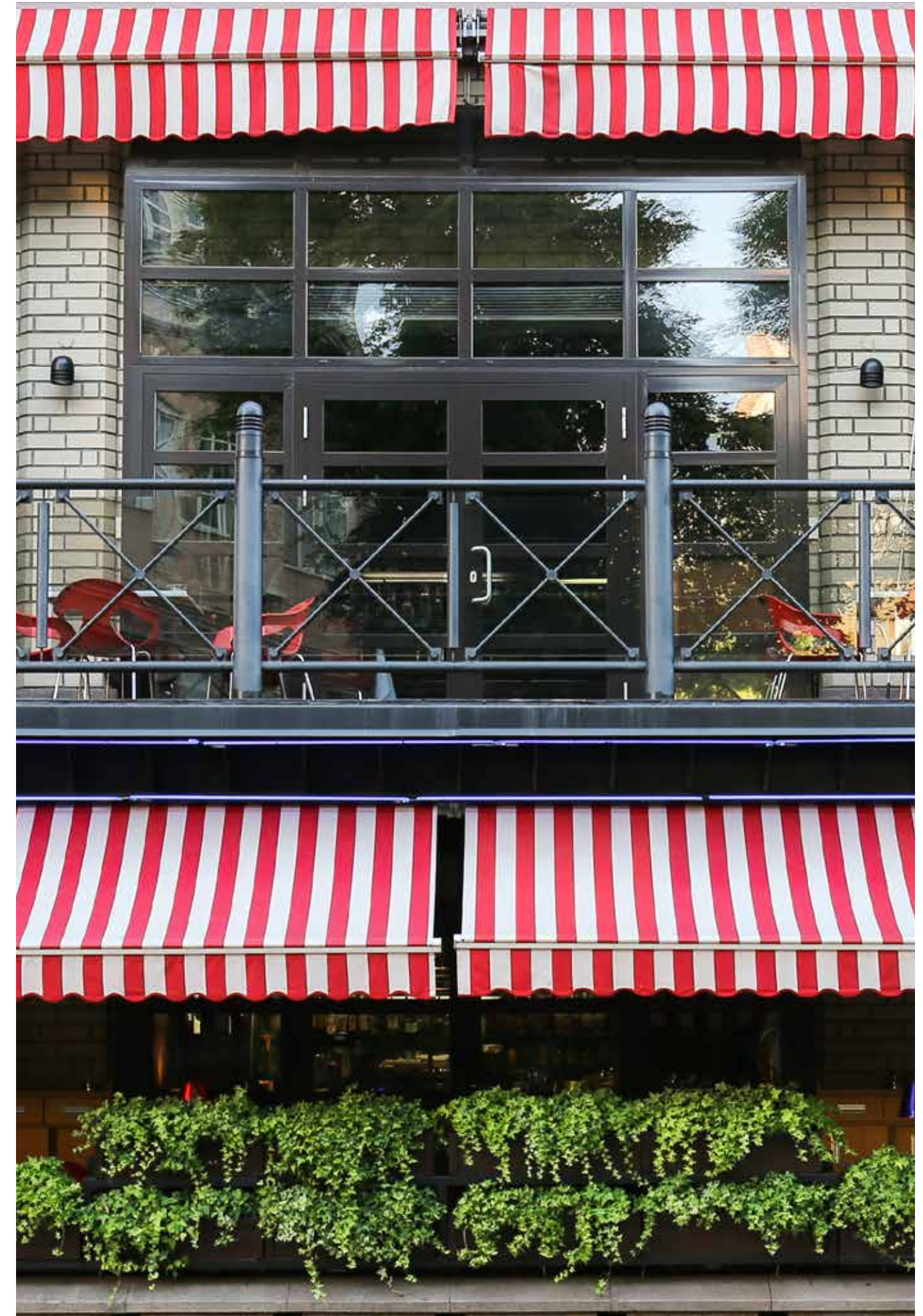
- A. Wind Sensor
- B. Bracket
- C. Crown
- D. Motor
- E. Wheel
- F. Tube
- G. Bottom bar
- H. Windproof lock
- I. Side Guiding Track



Motorized Awnings



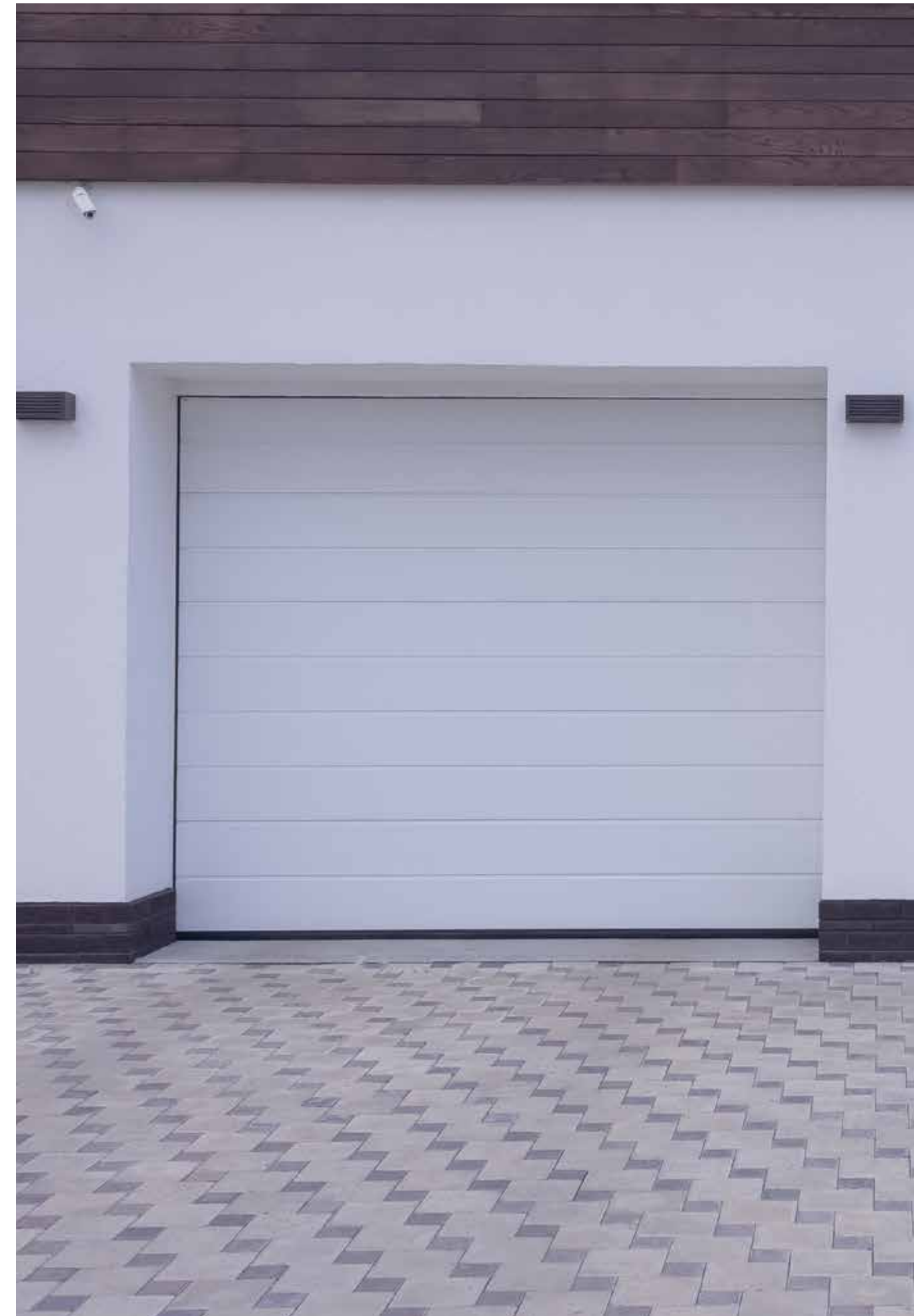
- A. Wind sensor
- B. Tube
- C. Crown
- D. Motor
- E. Wheel
- F. Fabric
- G. Front Bar
- H. Main Bar



Motorized Industrial Closures



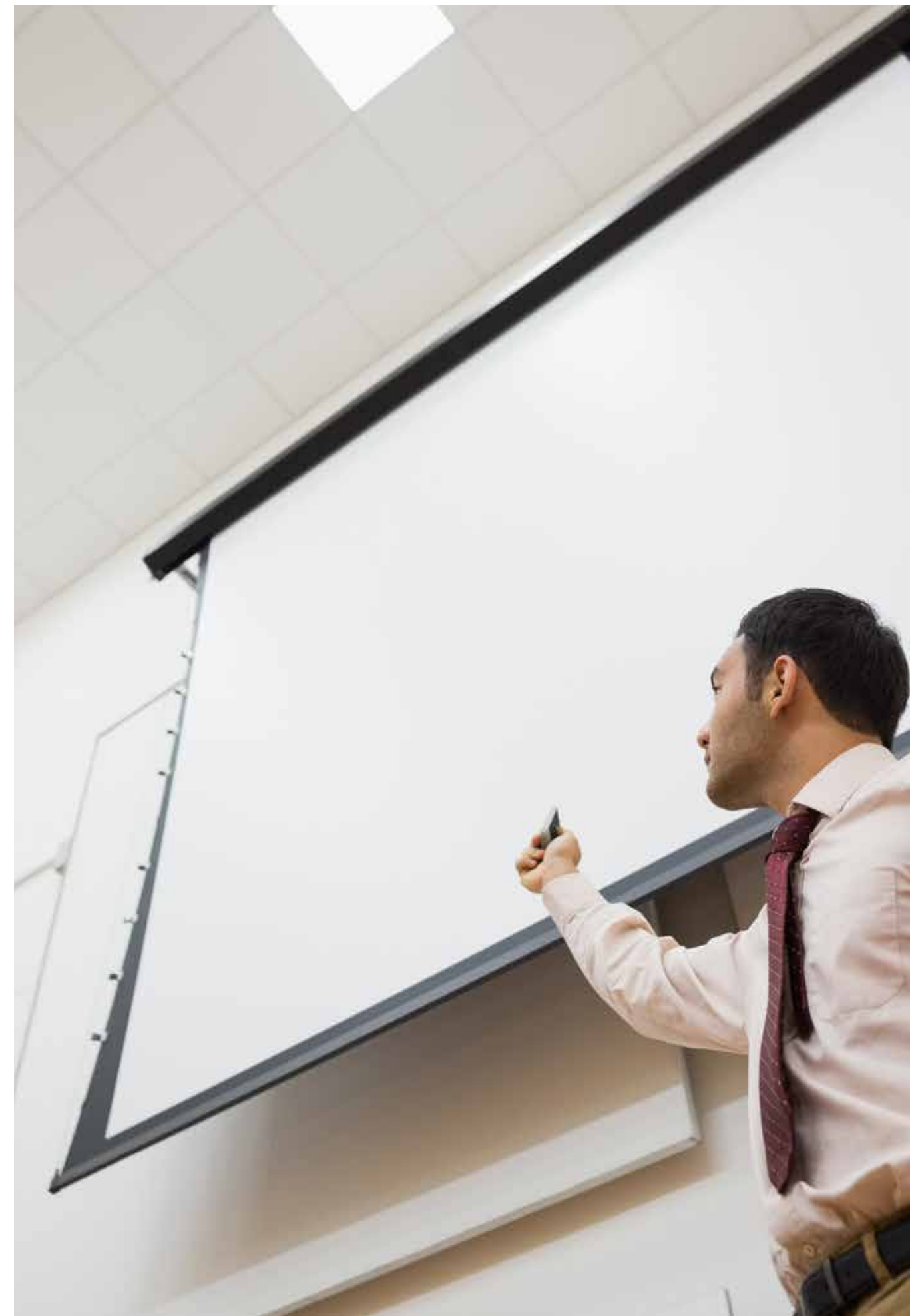
- A. Wind sensor
- B. Tube
- C. Crown
- D. Motor
- E. Wheel
- F. Fabric
- G. Front Bar
- H. Main Bar



Motorized Projection Screens

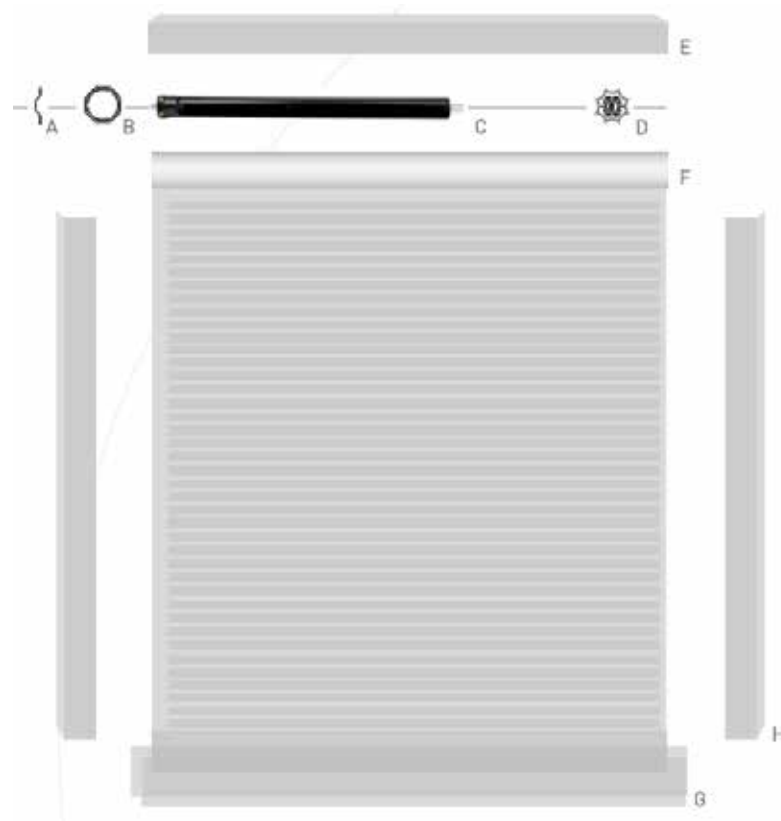


- A. Bracket
- B. Motor
- C. Wheel
- D. Crown
- E. Cassette
- F. Projection Screen

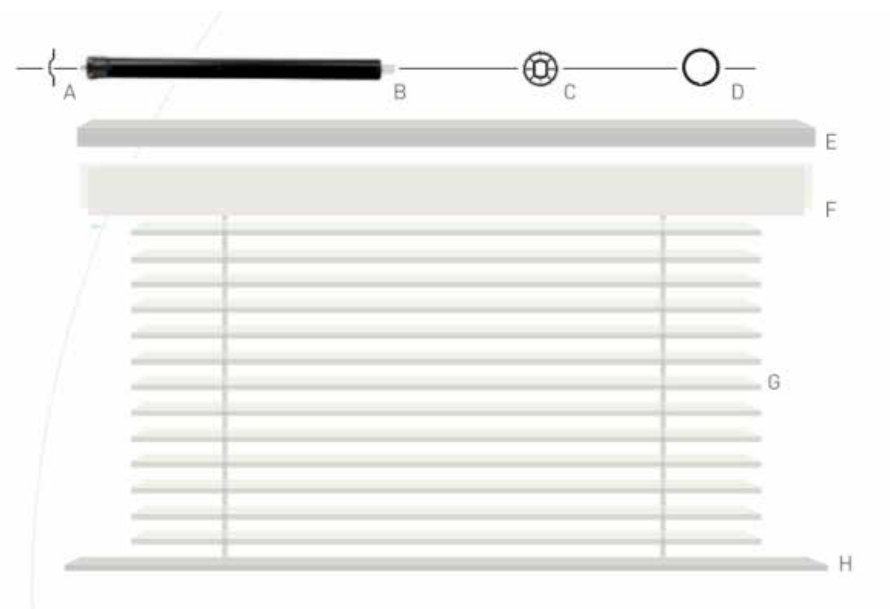


Motorized Roller Shutter

- A. Bracket
- B. Crown
- C. Motor
- D. Wheel
- E. Casing box
- F. Tube
- G. Bottom bar
- H. Track



Motorized Venitian Blinds

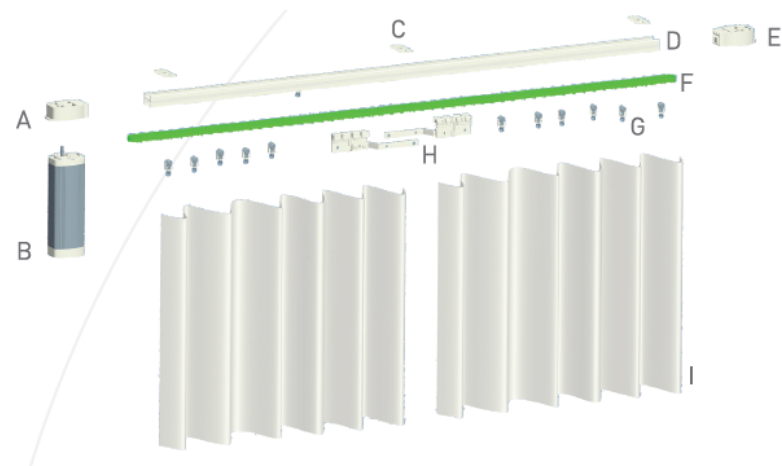


- A. Bracket
- B. Motor
- C. Wheel
- D. Crown
- E. Tube
- F. Track
- G. Aluminium Slat
- H. Bottom Bar

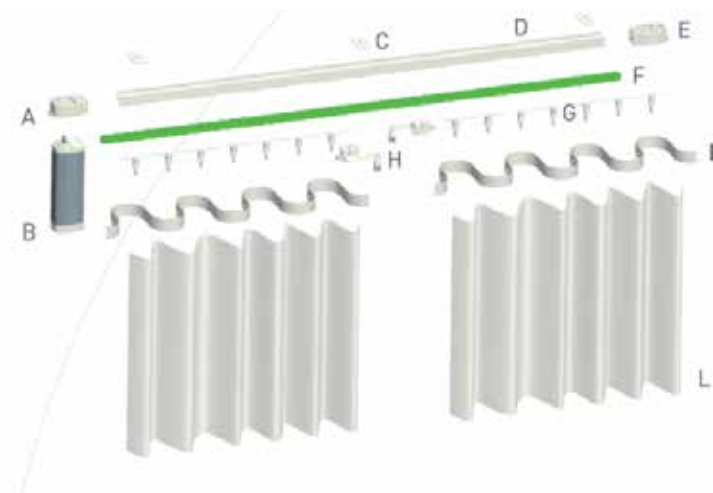


Motorized Curtains

- A. Drive pulley
- B. Motor
- C. Ceiling bracket
- D. Rail
- E. Slave pulley
- F. Belt
- G. Runner
- H. Master Carrier
- I. Fabric



- A. Drive pulley
- B. Motor
- C. Ceiling bracket
- D. Rail
- E. Slave pulley
- F. Belt
- G. Wave runner
- H. Master Carrier
- I. Snap
- L. Fabric





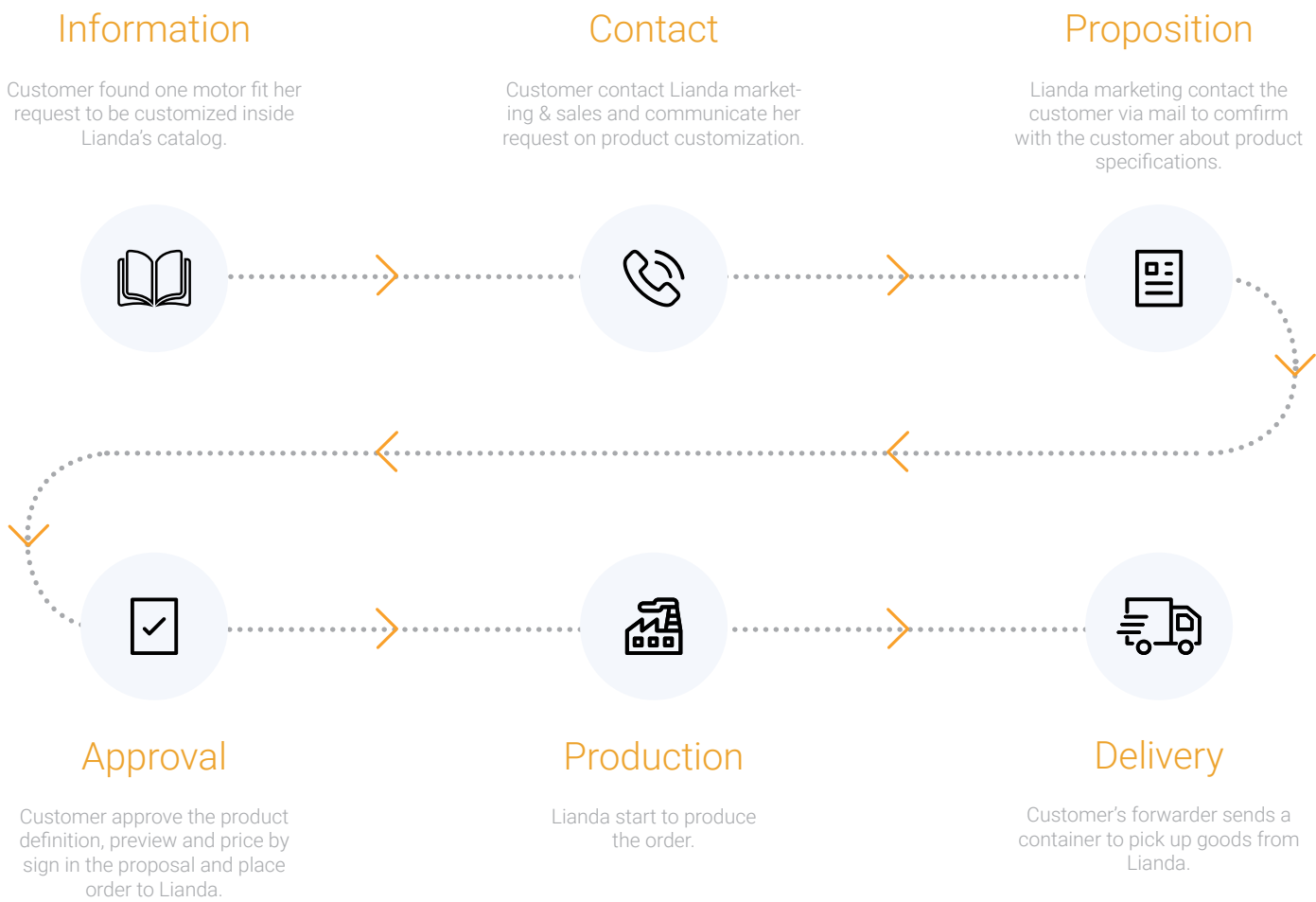
**SUPPORTING
YOUR SALES**

Customisation Guideline

Remaining customer-focused, TUBE Brand is also proposing an OEM service for Private Labels. You are looking for something special? TUBE will do it for you, take control!

Our customization process, 100% tailor made for OEM

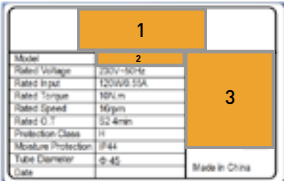
We customize our solutions to fulfill your needs.



CUSTOMIZATION OPTIONS FOR PRIVATE LABELS

ø25-ø35-ø45-ø60 AC Tubular Motors

\$ Extra cost to be evaluate by Lianda

Standard Offer	the optimum collection	the premium collection
Tube color <i>Black (RAL 9005)</i> 	RAL 9001  RAL 9006  RAL 9010  RAL 3000  RAL 5022  RAL 5015  RAL 7016  \$ \$	RAL 9001  RAL 9006  RAL 9010  RAL 3000  RAL 5022  RAL 5015  RAL 7016  \$ \$
Motor Instructions Manual	Other language on demand Customized Black / White 1 page Color > 1 Page \$ \$	Other language on demand Customized Black / White 1 page Color > 1 Page \$ \$
Packaging	Individual box on demand \$	
Packaging customization	Add a logo sticker \$	Add a logo sticker or printed art craft \$
Cable type	RNF available \$	RNF + SJTW available \$
Cable lenght	2m or 2.5m \$/0.5m	On demand \$/0.5m
Motor Label  Position 1, 3 : Logo Position 2 : Product name	Position 1,2,3 Customized Black / White Color \$	Position 1, 2, 3 Customized Black / White Color \$
Packaging Labels	On demand (black & white only)	On demand (black & white only)
Setting Tool	\$	Already included

CUSTOMIZATION OPTIONS FOR PRIVATE LABELS

Curtain Motors

\$ Extra cost to be evaluate by Lianda

Motor Instructions Manual	Other language on demand Black / White 1 page Color \$ > 1 Page \$
Packaging customization	Add a logo sticker or printed art craft \$
Motor Label	Position 1, 2, 3 Customized Black / White Color \$
Packaging Labels	On demand (black & white only)
Logo Printed on Motor Body	Not available



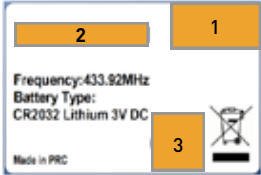
Position 1, 3 : Logo
Position 2 : Product name

CUSTOMIZATION OPTIONS FOR PRIVATE LABELS

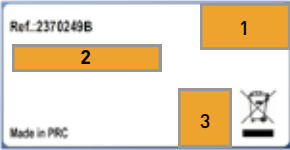
Controls

\$ Extra cost to be evaluate by Lianda

Offer	the optimum collection	the premium collection
Control Instructions Manual	Other language on demand Black / White 1 page Color \$ > 1 Page \$	Other language on demand Black / White 1 page Color \$ > 1 Page \$
Product Label	Position 1,2,3 Customized Black / White Color \$	Position 1, 2, 3 Customized Black / White Color \$
Packaging Labels	Position 1 Black / White Only	Position 1, 2, 3
Silk Print	MOQ 500pcs \$/unit	MOQ 500pcs \$/unit



Position 1, 3 : Logo
Position 2 : Product name



Position 1, 3 : Logo
Position 2 : Product name



If silk-print is requested, send us your logo type in AI and HD Jpeg format.
Ex: Logo can be positioned on ①②③ areas of remotes and ④⑤⑥⑦⑧⑨ areas of switches.

Accessories Development

In-line connector



In-line connector cover



Boat shape switch



Wheel/Crown set



Charger

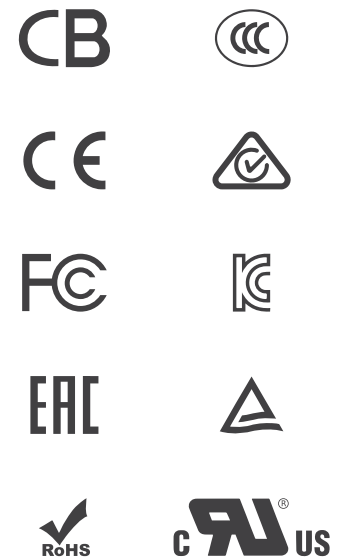


Certifications

- Lianda will be responsible for CE and CB certifications for all TUBE & BMT brands products and can provide certificate extension for other private labels.

- Regarding other specific certifications such as RCM, TUV, KCC, EAC, the local BU will be accountable for the related cost (by applying the certification locally).

- Certification lead-time and cost: to be confirmed case by case.





LEXICON

Reference No.	Product Name	Page No.
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2370083	NP45 RS/15-16-Rn	100
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2370250	SCE-R5 Gunmetal	152
2370251	SCE-R15 Gunmetal	152
2370263	SCE-R1 Chestnut	152
2370264	SCE-R1 Khaki	152
2370265	SCE-R1 Green	152
2370266	SCE-R1 Apricot	152
2370267	SCE-R1 Turquoise	152
2370268	SCE-R5 Chestnut	152
2370269	SCE-R5 Khaki	152
2370270	SCE-R5 Green	152
2370271	SCE-R5 Apricot	152
2370272	SCE-R5 Turquoise	152
2370273	SCE-R15 Chestnut	152
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2370277	SCE-R15 Turquoise	152
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2370315	NPK45/50-12	96
2370325	NR0/06-16	50
2370326	NR0/06-28	50

2370327	NR0/10-16	50
2370334	NR1/05-28	76
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2370339	NR1/30-16	76
2370340	NR1/30-12	76
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2370387	NR2/140-8	112
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2370397	NM2/80-12	120
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2370399	NM2/140-8	120
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2370431	SCT-R1 White	166
2370432	SCT-R5 Black	166
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2370489	SCE-R5 FCC Gunmetal	152
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2370611	NP45 RS/50-12-Rn	102
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2370619	NR1/08-16-Rn PA	80
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2370622	NR1/20-16-Rn PA	80
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2370629	NP45 SKL/20-16-Rn PA	106
2370630	NP45 SKL/30-16-Rn PA	106
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2370633	NP45 SKL/50-12-Rn PA	106
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2370639	NR0/10-18-Rn	58
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2370641	NR1/10-16-Rn	84
2370642	NR1/15-16-Rn	84
2370643	NR1/20-16-Rn	84
2370644	NR1/30-16-Rn	84
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2370646	NR1/40-12-Rn	84
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2370652	NR1/15-18-Rn	84
2370653	NR1/20-18-Rn	84
2370654	NR1/30-18-Rn	84
2370655	NR1/40-14-Rn	84
2370656	NR1/50-14-Rn	84
2370657	NR1/05-33-Rn	84
2370658	NR1/10-33-Rn	84
2370659	NPK45/08-16-Rn	98
2370660	NPK45/10-16-Rn	98
2370661	NPK45/15-16-Rn	98
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2370663	NPK45/30-16-Rn	98
2370664	NPK45/30-12-Rn	98
2370665	NPK45/40-12-Rn	98
2370666	NPK45/50-12-Rn	98
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2370669	NR2/80-12-Rn	118
2370670	NR2/100-12-Rn	118
2370671	NR2/140-8-Rn	118
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2370674	NR0/06-28-Rn PA	54
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2370680	NR1/15-18-Rn PA	80
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2370685	NR1/05-33-Rn PA	80
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2370693	NR2/100-14-Rn PA	116
2370694	NR2/140-9-Rn PA	116
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2370696	NM1/30-16-Rn PA	90
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2370896	NP45 SKL/15-18	104
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