Home automation by

LIANDA

TUBULAR MOTORS

Zhejiang Lianda Science and Technology Co.,Ltd

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2014 产品手册 Catalogue

2014

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Zhejiang Lianda Science and Technology Co.,Ltd

Quality Culture

产品质量

Stability of Quality is our promise

质量稳定是我们的一贯承诺

Product development process.

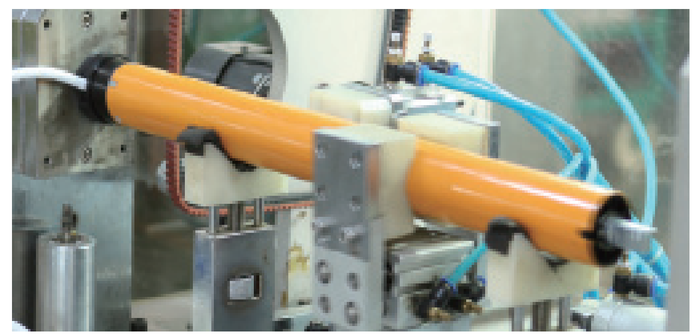
Each newly developed motor is qualified before launching through a range of strict quality tests to ensure the product is meeting the initial specification, in terms of:

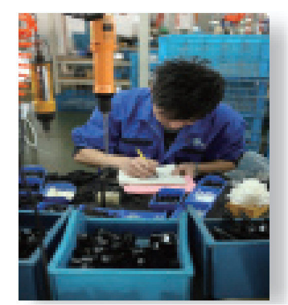
- Noise level
- Life time
- Performance reliability

产品研发流程

新电机在投入市场前，都要经过一系列的严格质量测试，确保电机参数符合要求，测试包括：

- 噪音水平
- 使用寿命
- 运行稳定性





Qualified suppliers panel.

- Quality of each components is critical for the right functioning of the whole motor.
- The whole list of certified Lianda suppliers has been reviewed.
- Each supplie is submited to a strict quality control with incoming inspection of all the components delivered in the factory.

严格筛选供应商

- 元器件的质量直接关系到电机性能
- 联大复查了所有供应商
- 每个供应商都提交了内部质量控制流程，并接收严格的来料检验

European engineered assembly process.

- Tubular motor manufacturing is a production process based on assembly of components.
- The most critical production stages are now done in Lianda factory through automatic European machi nes including fault preventing tools.

装配流程

- 部件的装配是管状电机生产的一个基本流程
- 联大管状电机的装配在联大工厂完成，配备欧洲进口的自动设备，包括防出错工具

Final quality test.

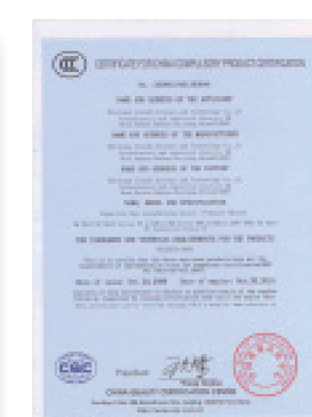
- 100% of the motors are individually checked at the and
- of the assembly lines
- Motor functions checking
- Limit switch unit accuracy
- Brakes gliding
- Noise level & stability
  Thermal protection time

最终检验

- 每台电机在装配完成后都经过了检测
- 电机功能检测
- 限位精度
- 刹车
- 噪音
- 热保护

Professional certifications: CE - UL - CCC - TUV

专业认证



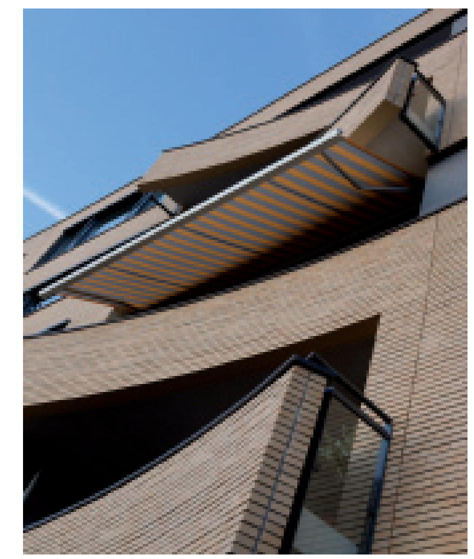
销售网络 Sales Network

- ★ China
- ★ HK & Macao,Taiwan,Philippines
- ★ Japan
- ★ Korea
- ★ India,Pakistan,Maldives,Sri Lanka,Bangladesh,Nepal,Bhutan
- ★ Singapore,Malaysia & Brunei,Indonesia
- ★ Thailand, Laos,Cambodia,Myanmar,Vienam
- ★ Australia, New Zealand, Pacific
- ★ Argentina,Uruguay, Paraguay
- ★ Brazil
- ★ Colombia,Venezuela,Ecuador,Bolivia
- ★ Chile,Peru
- ★ Mexico, Guatemala, Panama， Nicaragua, Costarica
- ★ Carribean
- ★ USA
- ★ Canada
- ★ Europe
- ★ Middle East
- ★ Africa

Motor Instruction
电机介绍

Lianda is designing a complete motors range to be adapted to each application.

联大拥有完整的电机系列，可适用于各种用途。



LIANDA
TUBULAR MOTORS

In the new generation motors, Lianda has improved key components to ensure the reliability and performance.

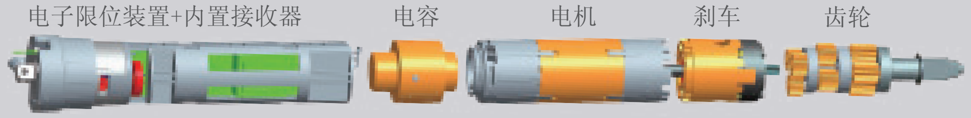
在新一代电机中，联大改进了核心部件，保证电机稳定性和可靠性

NR range / NR PA 系列

Limit switch unit 限位装置 | Capacitor 电容 | Motor 电机 | Brake 刹车 | Gearbox 齿轮

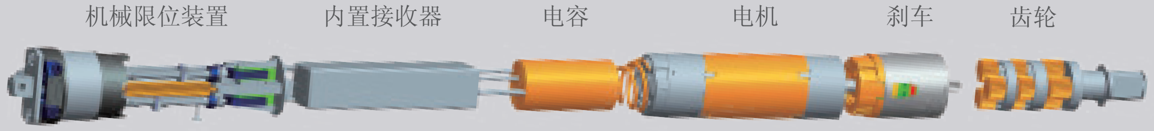
NR - R EA 系列

Electronic Limit + built-in receiver 电子限位装置+内置接收器 | Capacitor 电容 | Motor 电机 | Brake 刹车 | Gearbox 齿轮

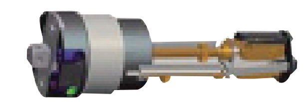


NR - R PA系列

Mechanic Limit 机械限位装置 | built-in receiver 内置接收器 | Capacitor 电容 | Motor 电机 | Brake 刹车 | Gearbox 齿轮



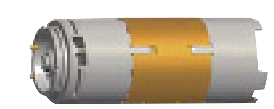
Limit switch unit 限位装置



- Use of progressive Limit switch provides max/min reliability and accuracy: tolerance <5°.
- Capacity increased up to 40 turns.

- 改进限位装置，提高稳定性和精确性，误差<5°
- 最大圈数增加到40圈

Motor / 电机



- Implementation of new motor design, using approved technologies.
- 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.

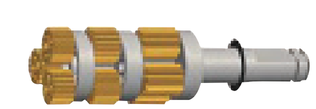
- 电机设计技术成熟
- 应用2级漆包线，延长热保护时间
- 应用自动绕线机生产，确保产品质量和一致性

Brake / 刹车

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

- 采用成熟技术设计刹车部件
- 全部机械结构，无额外的线圈
- 电机启动和停止时，无额外噪音产生

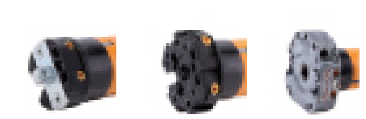
Gearbox / 齿轮



- Optimized design,metal parts replaced by plastic ones for improved reliability and level stability.
- Adapted grease to avoid any grease leakage.

- 采用新设计，使用成模塑料件替换机械件，改进可靠性和稳定性
- 采用新润滑油，防止漏油

Head / 电机头



- Round head called-R
- Clippable head called-K
- Manual override motor head called-MA

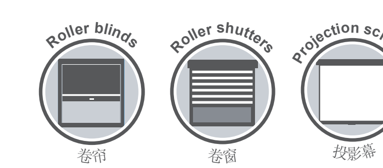
- 圆形电机头-R型
- 快速安装电机头－K型
- 带手动功能电机头－MA型

Products Range Classification
电机种类

Ø35	WIRED TUBULAR MOTORS / 有线电机	
	Ø35 NR0	WT PA
	RADIO TUBULAR MOTORS / 遥控电机	
	Ø35 NR0-R	RTL PA ELSU
Ø45	WIRED TUBULAR MOTORS / 有线电机	
	Ø45 NR1 / NK1	WT PA
	WIRED TUBULAR MOTORS WHIT MANUAL OVERRIDE / 有手动功能电机	
	Ø45 NM1	WT PA
	RADIO TUBULAR MOTORS / 遥控电机	
	Ø45 NR1-R / NK1-R	RTL ELSU PA
	RADIO TUBULAR MOTORS WHIT MANUAL OVERRIDE / 无线有手动功能电机	
	Ø45 NM1-R	RTL PA
Ø59	WIRED TUBULAR MOTORS / 有线电机	
	Ø59 NR2	WT PA
	WIRED TUBULAR MOTORS WITH MANUAL OVERRIDE / 有手动功能电机	
	Ø59 NM2	WT PA
	RADIO TUBULAR MOTORS / 遥控电机	
	Ø59 NR2-R	RTL ELSU
	RADIO TUBULAR MOTORS WITH MANUAL OVERRIDE / 无线有手动功能电机	
	Ø59 NM2-R	RTL PA
Ø92	WIRED TUBULAR MOTORS / 有线电机	
	Ø92 NZ3-MA	WT PA

Remarks 备注：

WT：Wired Technology 有线技术
PA：Progressive Adjustment 机械限位式
ELSU：Electronic Adjustment 电子限位式
RTL：Radio Technology of LianDa 遥控技术



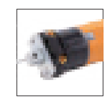
小扭矩6NM，转速高达28RPM 或 33RPM
High speed 28rpm or 33 rpm for small torques up to 6 Nm
其他扭矩为普通转速
Normal speed for higher torques

220V 60Hz / 110V 60Hz are available for specific market

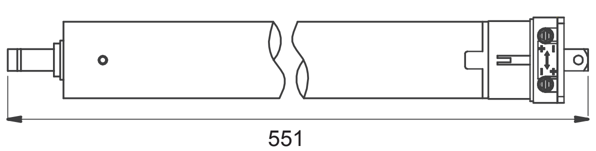
Ø35 MOTOR 电机

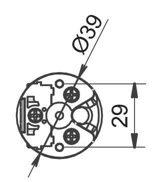
Wired tubular motors

NR0 有线电机



有线技术





230V 50Hz

高转速电机 / High speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802242	NR0/06-28	6	28	150	0.65	4	IP44	40	551

普通转速电机 / Normal speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802779	NR0/06-16	6	16	120	0.50	4	IP44	40	551
2802565	NR0/10-16	10	16	150	0.65	4	IP44	40	551

120V 60Hz

高转速电机 / High speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802845	NR0/06-33	6	33	150	1.20	45 s on -3min off - 4 cycles	IP44	40	551

普通转速电机 / Normal speed motors

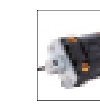
Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802844	NR0/06-18	6	18	125	1.05	1minon-3 min off - 4 cycles	IP44	40	551
2802846	NR0/10-18	10	18	150	1.20	1minon-3 min off - 4 cycles	IP44	40	551

LIANDA
TUBULAR MOTORS

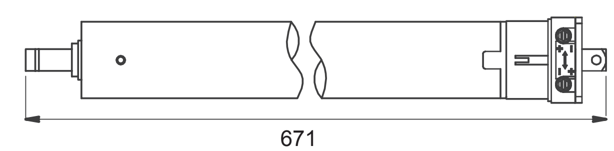
Ø35 MOTOR 电机

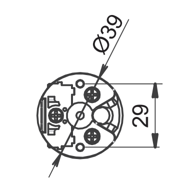
Radio tubular motors

NR0-R 遥控电机



RTL
无线技术





230V 50Hz (RTL PA)

高转速电机 / High speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802780	NR0/06-28-R PA	6	28	150	0.65	4	IP44	40	671

普通转速电机 / Normal speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802558	NR0/06-16-R PA	6	16	120	0.50	4	IP44	40	671
2802781	NR0/10-16-R PA	10	16	150	0.65	4	IP44	40	671

230V 50Hz (RTL ELSU) To be available in 2nd quarter of 2014 **2014年2季度将推出**

高转速电机 / High speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2810602	NR0/06-28-R	6	28	150	0.65	4	IP44	infinit	552

普通转速电机 / Normal speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2810604	NR0/06-16-R	6	16	120	0.50	4	IP44	infinit	552
2810603	NR0/10-16-R	10	16	150	0.65	4	IP44	infinit	552

120V 60Hz (RTL PA)

高转速电机 / High speed motors

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802848	NR0/06-33-R PA	6	33	150	1.20	45 s on - 3 min off - 4 cycles	IP44	40	671

普通转速电机 / Normal speed motors

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802847	NR0/06-18-R PA	6	18	125	1.05	1 min on - 3 min off - 4 cycles	IP44	40	671
2802849	NR0/10-18-R PA	10	18	150	1.20	1 min on - 3 min off - 4 cycles	IP44	40	671

120V 60Hz (RTL ELSU)

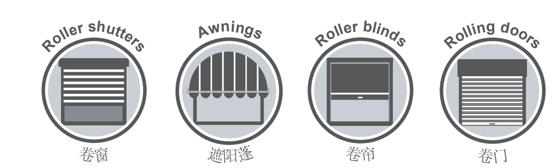
高转速电机 / High speed motors

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2810599	NR0/06-33-R	6	33	150	1.20	1min on - 3min off - 4cycle	IP44	infinit	552

普通转速电机 / Normal speed motors

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2810601	NR0/06-18-R	6	18	125	1.05	1min on - 3min off - 4cycle	IP44	infinit	552
2810600	NR0/10-18-R	10	18	150	1.20	1min on - 3min off - 4cycle	IP44	infinit	552

Ø45 MOTOR 电机



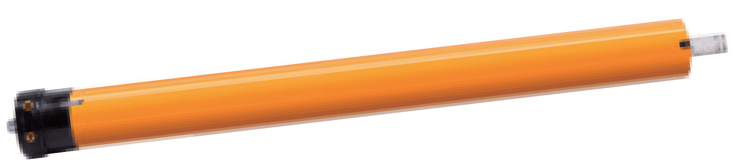
220V 60Hz / 110V 60Hz are available for specific market

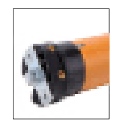
LIANDA
TUBULAR MOTORS

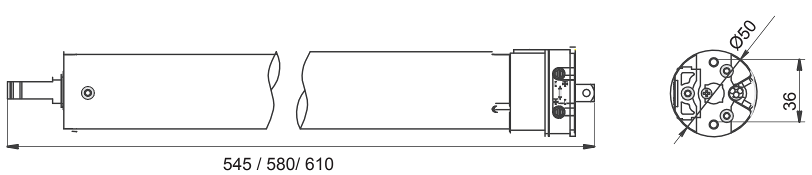
Ø45 MOTOR 电机

Wired tubular motors

NR1 有线电机







230V 50Hz

高转速电机 / High speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802782	NR1/05-28	5	28	120	0.55	4	IP44	30	545
2802791	NR1/10-28	10	28	175	0.75	4	IP44	30	580
2802792	NR1/15-28	15	28	195	0.85	4	IP44	30	610
2802793	NR1/20-28	20	28	290	1.25	4	IP44	30	610

230V 50Hz

普通转速电机 / Normal speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802783	NR1/08-16	8	16	100	0.45	4	IP44	30	545
2802784	NR1/10-16	10	16	120	0.55	4	IP44	30	545
2802785	NR1/15-16	15	16	150	0.70	4	IP44	30	580
2802786	NR1/20-16	20	16	170	0.80	4	IP44	30	580
2802787	NR1/30-16	30	16	240	1.10	4	IP44	30	610
2802788	NR1/30-12	30	12	200	0.90	4	IP44	30	610
2802789	NR1/40-12	40	12	240	1.10	4	IP44	30	610
2802790	NR1/50-12	50	12	270	1.20	4	IP44	30	610

120V 60Hz

高转速电机 / High speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802850	NR1/05-33	5	33	130	1.10	45 s on -1min off - 4 cycles	IP44	30	545
2802326	NR1/10-33	10	33	190	1.60	3	IP44	30	565

普通转速电机 / Normal speed motors

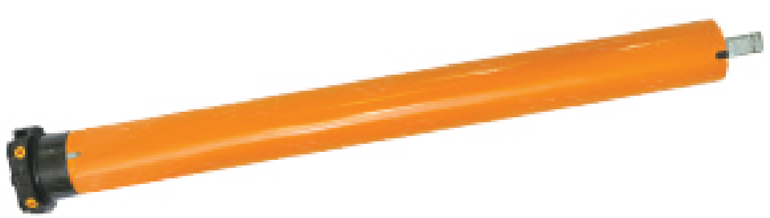
Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802851	NR1/08-18	8	18	120	1.00	3	IP44	30	545
2802852	NR1/10-18	10	18	130	1.10	45 s on -1min off - 4 cycles	IP44	30	545
2802853	NR1/15-18	15	18	150	1.30	3	IP44	30	580
2802854	NR1/20-18	20	18	190	1.60	3	IP44	30	580
2802855	NR1/30-18	30	18	250	2.20	3	IP44	30	610
2802856	NR1/40-14	40	14	250	2.20	3	IP44	30	610
2801800	NR1/50-14	50	14	280	2.50	3	IP44	30	610

LIANDA
TUBULAR MOTORS

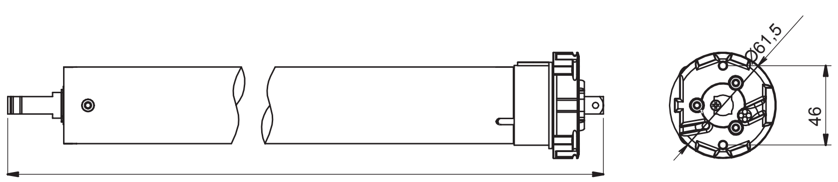
Ø45 MOTOR 电机

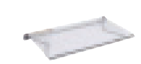
Wired tubular motors

NK1 有线电机



有线技术





230V 50Hz

高转速电机 / High speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802809	NK1/05-28	5	28	120	0.55	4	IP44	30	530
2803094	NK1/10-28	10	28	175	0.75	4	IP44	30	565
2803095	NK1/15-28	15	28	195	0.85	4	IP44	30	595
2803096	NK1/20-28	20	28	290	1.25	4	IP44	30	595

230V 50Hz

普通转速电机 / Normal speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802801	NK1/08-16	8	16	100	0.45	4	IP44	30	530
2802802	NK1/10-16	10	16	120	0.55	4	IP44	30	530
2802803	NK1/15-16	15	16	150	0.70	4	IP44	30	565
2802804	NK1/20-16	20	16	170	0.80	4	IP44	30	565
2802805	NK1/30-16	30	16	240	1.10	4	IP44	30	595
2802806	NK1/30-12	30	12	200	0.90	4	IP44	30	595
2802807	NK1/40-12	40	12	240	1.10	4	IP44	30	595
2802808	NK1/50-12	50	12	270	1.20	4	IP44	30	595

120V 60Hz

高转速电机 / High speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2801793	NK1/05-33	5	33	130	1.10	45 s on -1min off - 4 cycles	IP44	30	530

普通转速电机 / Normal speed motors

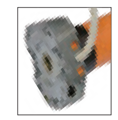
Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802867	NK1/08-18	8	18	120	1.00	3	IP44	30	530
2802868	NK1/10-18	10	18	130	1.10	45 s on -2min off - 4 cycles	IP44	30	530
2802869	NK1/15-18	15	18	150	1.30	3	IP44	30	565
2802870	NK1/20-18	20	18	190	1.60	3	IP44	30	565
2802871	NK1/30-18	30	18	250	2.20	3	IP44	30	595
2802872	NK1/40-14	40	14	250	2.20	3	IP44	30	595
2802873	NK1/50-14	50	14	280	2.50	3	IP44	30	595

LIANDA
TUBULAR MOTORS

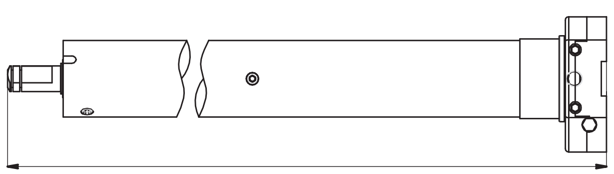
Ø45 MOTOR 电机

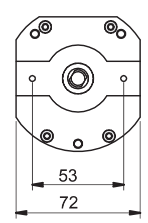
Wired tubular motors

NM1 有线电机



有线技术





230V 50Hz

普通转速电机 / Normal speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802818	NM1/20-16	20	16	170	0.80	4	IP44	30	622
2802819	NM1/30-16	30	16	240	1.10	4	IP44	30	652
2802820	NM1/30-12	30	12	200	0.90	4	IP44	30	652
2802821	NM1/40-12	40	12	240	1.10	4	IP44	30	652
2802822	NM1/50-12	50	12	270	1.20	4	IP44	30	652

120V 60Hz

普通转速电机 / Normal speed motors

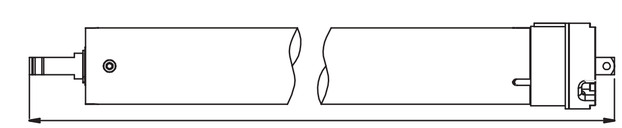
Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802874	NM1/20-18	20	18	190	1.60	3	IP44	30	622
2802875	NM1/30-18	30	18	250	2.20	3	IP44	30	652
2802876	NM1/40-14	40	14	250	2.20	3	IP44	30	652
2802877	NM1/50-14	50	14	280	2.50	3	IP44	30	652

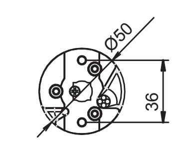
Ø45 MOTOR 电机

Radio tubular motors

NR1-R 遥控电机

RTL
无线技术





230V 50Hz (RTL ELSU)

高转速电机 / High speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802464	NR1/05-28-R	5	28	120	0.55	4	IP44	infinite	606
2802754	NR1/10-28-R	10	28	175	0.75	4	IP44	infinite	580

普通转速电机 / Normal speed motors

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802794	NR1/08-16-R	8	16	100	0.45	4	IP44	infinite	606
2802795	NR1/10-16-R	10	16	120	0.55	4	IP44	infinite	606
2802796	NR1/15-16-R	15	16	150	0.70	4	IP44	infinite	636
2802797	NR1/20-16-R	20	16	170	0.80	4	IP44	infinite	636
2802798	NR1/30-16-R	30	16	240	1.10	4	IP44	infinite	666
2802799	NR1/30-12-R	30	12	200	0.90	4	IP44	infinite	666
2802800	NR1/40-12-R	40	12	240	1.10	4	IP44	infinite	666
2802314	NR1/50-12-R	50	12	270	1.20	4	IP44	infinite	666

Ø45 MOTOR 电机

Radio tubular motors
NR1-R 遥控电机

120V 60Hz (RTL PA)

高转速电机 / High speed motors

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2803071	NR1/05-33-R PA	5	33	130	1.10	45 s on -1 min off - 4 cycles	IP44	30	605
2810327	NR1/10-33-R PA	10	33	190	1.16	3	IP44	30	690

普通转速电机 / Normal speed motors

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802860	NR1/08-18-R PA	8	18	120	1.00	3	IP44	30	605
2802861	NR1/10-18-R PA	10	18	130	1.10	45 s on -2 min off - 4 cycles	IP44	30	605
2802862	NR1/15-18-R PA	15	18	150	1.30	3	IP44	30	635
2802863	NR1/20-18-R PA	20	18	190	1.60	3	IP44	30	635
2802864	NR1/30-18-R PA	30	18	250	2.20	3	IP44	30	665
2802865	NR1/40-14-R PA	40	14	250	2.20	3	IP44	30	665
2802866	NR1/50-14-R PA	50	14	280	2.50	3	IP44	30	665

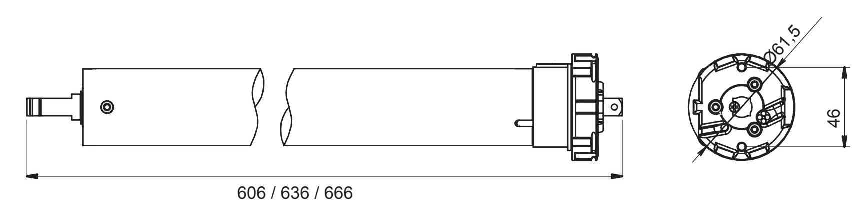
120V 60Hz (RTL ELSU) To be available in 2nd quarter of 2014 **2014年2季度将推出**

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2800318	NR1/05-33-R	5	33	130	1.10	45 s on -1 min off - 4 cycles	IP44	infinite	606
2803311	NR1/08-18-R	8	18	120	1.00	45 s on -2 min off - 4 cycles	IP44	infinite	606
2803312	NR1/10-18-R	10	18	130	1.10	3	IP44	infinite	606
2803313	NR1/15-18-R	15	18	150	1.30	3	IP44	infinite	636
2803314	NR1/20-18-R	20	18	190	1.60	3	IP44	infinite	636
2803315	NR1/30-18-R	30	18	250	2.20	3	IP44	infinite	666
2803316	NR1/40-14-R	40	14	250	2.20	3	IP44	infinite	666
2803317	NR1/50-14-R	50	14	280	2.50	3	IP44	infinite	666

Ø45 MOTOR 电机

Radio tubular motors
NK1-R 遥控电机

RTL
无线技术



230V 50Hz (RTL ELSU)

高转速电机 / High speed motors

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2803098	NK1/05-28-R	5	28	120	0.55	4	IP44	infinite	606

普通转速电机 / Normal speed motors

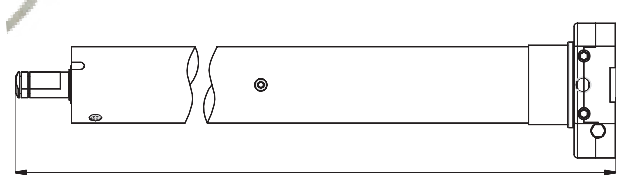
Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802810	NK1/08-16-R	8	16	100	0.45	4	IP44	infinite	606
2802811	NK1/10-16-R	10	16	120	0.55	4	IP44	infinite	606
2802812	NK1/15-16-R	15	16	150	0.70	4	IP44	infinite	636
2802813	NK1/20-16-R	20	16	170	0.80	4	IP44	infinite	636
2802814	NK1/30-16-R	30	16	240	1.10	4	IP44	infinite	666
2802815	NK1/30-12-R	30	12	200	0.90	4	IP44	infinite	666
2802816	NK1/40-12-R	40	12	240	1.10	4	IP44	infinite	666
2802817	NK1/50-12-R	50	12	270	1.12	4	IP44	infinite	666

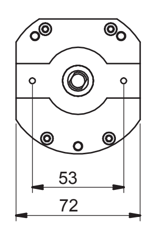
Ø45 MOTOR 电机

Radio tubular motors

NM1-R 遥控电机

RTL
无线技术



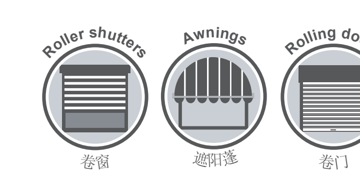


230V 50Hz (RTL PA)

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802823	NM1/20-16-R PA	20	16	170	0.80	4	IP44	30	784
2802824	NM1/30-16-R PA	30	16	240	1.10	4	IP44	30	814
2802825	NM1/30-12-R PA	30	12	200	0.90	4	IP44	30	814
2802826	NM1/40-12-R PA	40	12	240	1.10	4	IP44	30	814
2802827	NM1/50-12-R PA	50	12	270	1.20	4	IP44	30	814

120V 60Hz (RTL PA)

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802878	NM1/20-18-R PA	20	18	190	1.60	3	IP44	30	789
2802879	NM1/30-18-R PA	30	18	250	2.20	3	IP44	30	819
2802880	NM1/40-14-R PA	40	14	250	2.20	3	IP44	30	819
2802881	NM1/50-14-R PA	50	14	280	2.50	3	IP44	30	819



转速12rpm or 8rpm

speed 12rpm or 8rpm depending on torque

扭矩从 60NM**到** 140NM

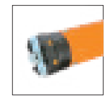
Torque from 60 to 140NM

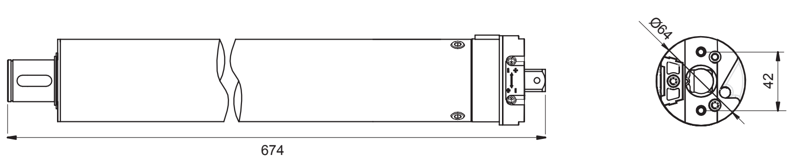
220V 60Hz / 110V 60Hz are available for specific market

Ø59 MOTOR 电机

Wired tubular motors

NR2 有线电机





230V 50Hz

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802828	NR2/60-12	60	12	290	1.30	4	IP44	23	674
2802829	NR2/80-12	80	12	370	1.60	4	IP44	23	674
2802830	NR2/100-12	100	12	460	2.00	4	IP44	23	674
2802831	NR2/140-8	140	8	460	2.00	4	IP44	23	674

120V 60Hz

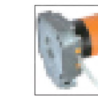
Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802882	NR2/60-14	60	14	360	3.00	40s on-1 minute off-5 cycles	IP44	23	674
2802883	NR2/80-14	80	14	405	3.40	40s on-1 minute off-5 cycles	IP44	23	674
2802884	NR2/100-14	100	14	450	3.80	40s on-1 minute off-5 cycles	IP44	23	674
2802885	NR2/140-9	140	9	440	3.70	40s on-1 minute off-5 cycles	IP44	23	674

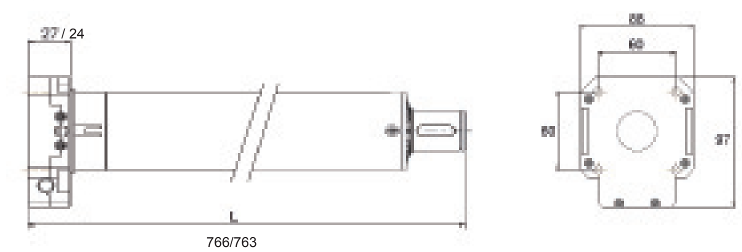
LIANDA
TUBULAR MOTORS

Ø59 MOTOR 电机

Wired tubular motors

NM2 有线电机





230V 50Hz

27mm Head

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802836	NM2/60-12	60	12	290	1.30	4	IP44	23	766
2802837	NM2/80-12	80	12	370	1.60	4	IP44	23	766
2802838	NM2/100-12	100	12	460	2.00	4	IP44	23	766
2802839	NM2/140-8	140	8	460	2.00	4	IP44	23	766

24mm Head To be available in 2nd quarter of 2014 **2014年2季度将推出**

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
S2 2014	NM2/60-12/24H	60	12	290	1.30	4	IP44	23	763
S2 2014	NM2/80-12/24H	80	12	370	1.60	4	IP44	23	763
S2 2014	NM2/100-12/24H	100	12	460	2.00	4	IP44	23	763
S2 2014	NM2/140-8/24H	140	8	460	2.00	4	IP44	23	763

Ø59 MOTOR 电机

Wired tubular motors

NM2 有线电机

120V 60Hz

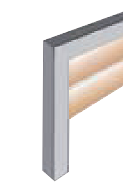
27mm Head

Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802890	NM2/60-14	60	14	360	3.00	40s on-1 minute off-5 cycles	IP44	23	766
2802891	NM2/80-14	80	14	405	3.40	40s on-1 minute off-5 cycles	IP44	23	766
2802892	NM2/100-14	100	14	450	3.80	40s on-1 minute off-5 cycles	IP44	23	766
S2 2014	NM2/140-9	140	9	440	3.70	40s on-1 minute off-5 cycles	IP44	23	766

24mm Head To be available in 2nd quarter of 2014 **2014年2季度将推出**

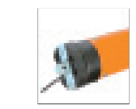
Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
S2 2014	NM2/60-14/24H	60	14	360	3.00	40s on-1 minute off-5 cycles	IP44	23	763
S2 2014	NM2/80-14/24H	80	14	405	3.40	40s on-1 minute off-5 cycles	IP44	23	763
S2 2014	NM2/100-14/24H	100	14	450	3.80	40s on-1 minute off-5 cycles	IP44	23	763
S2 2014	NM2/140-9/24H	140	9	440	3.70	40s on-1 minute off-5 cycles	IP44	23	763

Ø59 MOTOR 电机

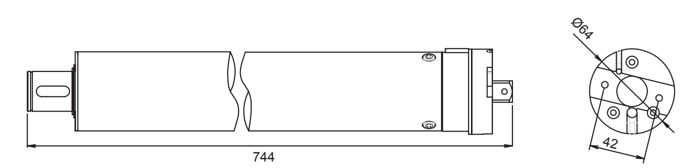


Radio tubular motors

NR2-R 遥控电机



RTL
无线技术



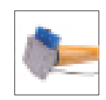
230V 50Hz (RTL ELSU)

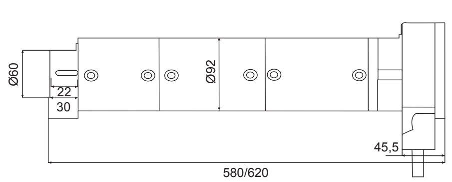
Reference 编号	Description 描述	Torque (Nm) 扭矩(Nm)	Speed (rpm) 转速 (rpm)	Power (W) 功率 (W)	Current (A) 电流 (A)	Running time (min) 运行时间 (min)	Protection 保护等级	Limit revolution (turns) 限位圈数（转）	Length (mm) 机长(mm)
2802832	NR2/60-12-R	60	12	290	1.30	4	IP44	infinite	744
2802833	NR2/80-12-R	80	12	370	1.60	4	IP44	infinite	744
2802834	NR2/100-12-R	100	12	460	2.00	4	IP44	infinite	744
2802835	NR2/140-8-R	140	8	460	2.00	4	IP44	infinite	744

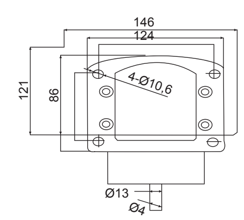
Ø92 MOTOR 电机

Wired tubular motors

NZ3-MA 有线电机



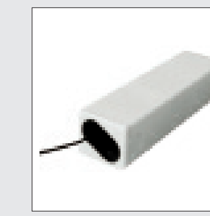


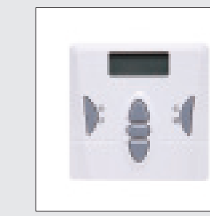


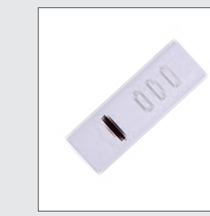
230V 50Hz

Reference	Description	Torque (Nm)	Speed (rpm)	Power (W)	Current (A)	Running time (min)	Protection	Limit revolution (turns)	Length (mm)
编号	描述	扭矩(Nm)	转速 (rpm)	功率 (W)	电流 (A)	运行时间 (min)	保护等级	限位圈数（转）	机长(mm)
2802840	NZ3/140-MA	140	12	680	3.20	4	IP44	16	580
2802841	NZ3/180-MA	180	12	760	3.50	4	IP44	16	580
2802842	NZ3/230-MA	230	12	880	4.00	4	IP44	16	580
2802843	NZ3/300-MA	300	8	880	4.00	4	IP44	16	620

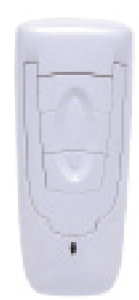
Controls 遥控器







LIANDA
TUBULAR MOTORS



2800948

1 CHANNEL TRANSMITTER
单频道发射器

2800557

5 CHANNEL TRANSMITTER
5频道发射器

2802702

KEYRING 2C
2频道迷你发射器

2802703

KEYRING 5C
5频道迷你发射器

2802671
2803188 FCC

1 CHANNEL TRANSMITTER WHITE
单频道发射器

2802673
2803189 FCC

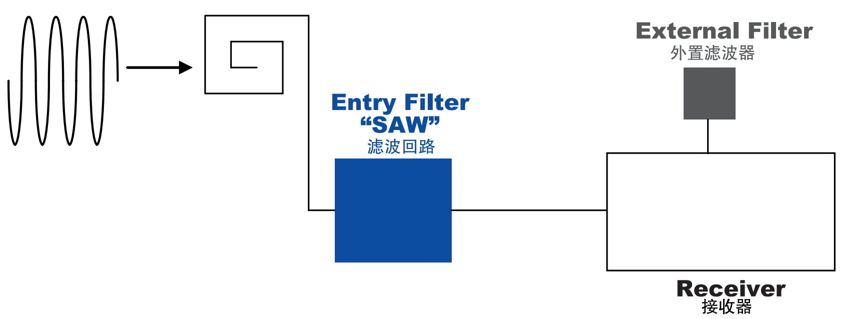
5 CHANNEL TRANSMITTER WHITE
5频道发射器

2802615

15 CHANNEL TRANSMITTER WHITE
15频道发射器

The Radio Technology Lianda / 联大无线电技术

RTL
无线技术



- **Entry filter :**
  - Reduction of the «image» frequency
  - Reduction of noise from neighboring frequencies
- **Good immunity to interferences**
- **External filter :**
  - Narrow band filter
  - Good sensitivity of the receiver

- 滤波回路:
  - 减少影像"频率"干扰
  - 减少其他无线电产品干扰
- 防止杂波干扰
- 外置滤波:
  - 窄频滤波抗干扰
  - 接受器更灵敏

For customized colors, please contact us.
遥控器有多种颜色可选择，详细信息请联系我们!

LIANDA
TUBULAR MOTORS

2801900

WALL MOUNTED TRANSMITTER
墙体式无线电开关

2801636

WALL MOUNTED TRANSMITTER
墙体式无线电开关

2801899

TIMER TRANSMITTER
时控开关

2801635

TIMER TRANSMITTER
时控开关

2802271 230V 50Hz
2802272 120V 60Hz

WIND SENSOR
风感器

2802280 230V 50Hz
2802281 120V 60Hz

MINI RECEIVER
迷你接收器

2801613

SINGLE CONTROL SWITCH WALL MOUNTED
墙体式开关

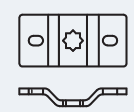
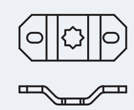
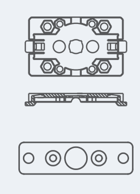
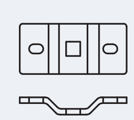
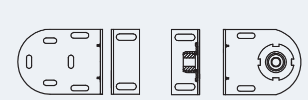
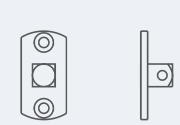
2801614

SINGLE CONTROL SWITCH LNBUILT
嵌入式开关

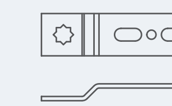
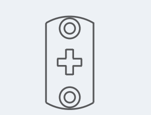
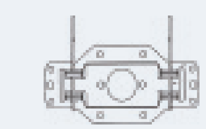
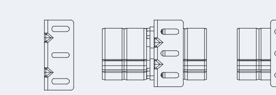
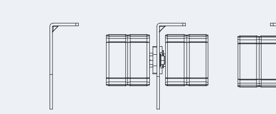
Brackets / 安装板

LIANDA
TUBULAR MOTORS

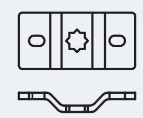
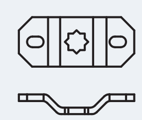
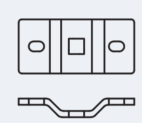
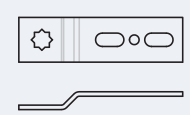
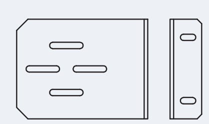
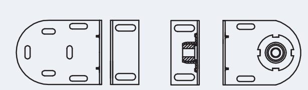
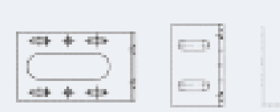
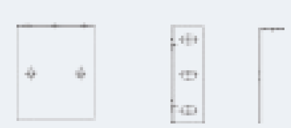
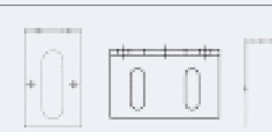
Ø35 Brackets / 安装板

Reference 编号	Description 描述		Drawing 图纸
2810201	NR0/NR1/NK1/NM1 STAR BRACKET/1 PIN/2 SCREWS Delivered in a plastic bag / 配上螺丝, 并装进塑料袋	星型板	
2810204	NR0/NR1/NK1/NM1 STAR CHAMFER BRACKET / 1 PIN / 2 SCREWS Delivered in a plastic bag / 配上螺丝, 并装进塑料袋	星型板	
2810206	NR0 KLIK BRACKET SET Delivered in a plastic bag / 配上螺丝, 并装进塑料袋	安装板	
2810209	NR0/NR1/NK1/NM1 SQUARE BRACKET/1 PIN/2 SCREWS Delivered in a plastic bag / 配上螺丝, 并装进塑料袋	星型板	
2810210	NR0/NR1/NK1/NM1 WALL BRACKET SET D12	墙体安装板	
2810482	NR0 SQUARE MOTOR HEAD BRACKET/2 SCREWS Delivered with 2 ST38x10 screws 需配上螺丝	安装板	

Ø35 Brackets / 安装板

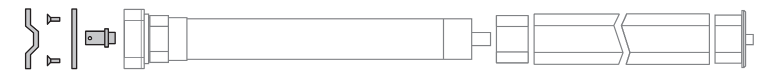
Reference 编号	Description 描述		Drawing 图纸
2810215	NR0 Z BRACKET/1 PIN/2 SCREWS Delivered in a plastic bag / 配上螺丝, 并装进塑料袋	安装板	
2810483	NR0 NIPPLE BRACKET/2 SCREWS Delivered in a plastic bag / 配上螺丝, 并装进塑料袋	安装板	
2810879	NR0 U BRACKET/2 PINS/2 SCREWS Delivered in a plastic bag / 配上螺丝, 并装进塑料袋	安装板	
2810535	NR0 BRACKET KIT FOR ROLLER BLIND - ZINC Delivered in a plastic bag / 配上螺丝, 并装进塑料袋	安装板	
2810534	NR0 BRACKET KIT FOR ROLLER BLIND - WHITE Delivered in a plastic bag / 配上螺丝, 并装进塑料袋	安装板	

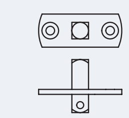
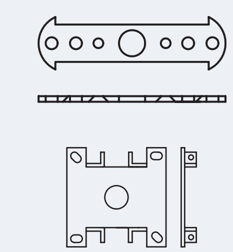
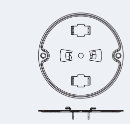
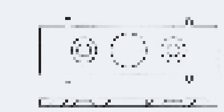
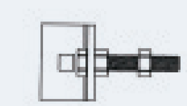
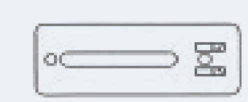
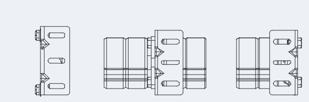
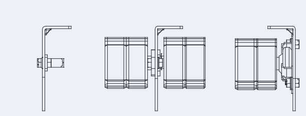
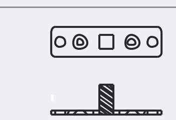
Ø45 Brackets / 安装板

Reference 编号	Description 描述		Drawing 图纸	Suitable motor 适配电机
2810201	NR0/NR1/NK1/NM1 STAR BRACKET/1 PIN/2 SCREWS Delivered in a plastic bag / 配上螺丝,并装进塑料袋	星型板		NR1 / NK1 / NM1
2810204	NR0/NR1/NK1/NM1 STAR CHAMFER BRACKET / 1 PIN / 2 SCREWS Delivered in a plastic bag / 配上螺丝,并装进塑料袋	星型板		NR1 / NK1 / NM1
2810209	NR0/NR1/NK1/NM1 SQUARE BRACKET/1 PIN/2 SCREWS 配上螺丝,并装进塑料袋	星型板		NR1 / NK1 / NM1
2810215	NR1/NK1/NM1 Z BRACKET/1PIN/2 SCREWS 配上螺丝,并装进塑料袋	安装板		NR1 / NK1 / NM1
2810220	NR1/NK1/NM1 SLOT WALL BRACKET SET	墙体安装板		NR1 / NK1 / NM1
2810210	NR0/NR1/NK1/NM1 WALL BRACKET SET D12	墙体安装板		NR1 / NK1 / NM1
2810609	NR1/NK1/NM1 SLOT WALL BRACKET - 3 SPACING	墙体安装板		NR1 / NK1 / NM1
2810610	NR1/NK1/NM1 WALL BRACKET - 1 SPACING	墙体安装板		NR1 / NK1 / NM1
2810611	NR1/NK1/NM1 SLOT WALL BRACKET - 1 SPACING	墙体安装板		NR1 / NK1 / NM1

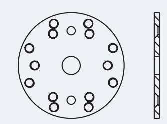
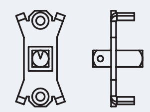
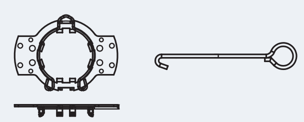
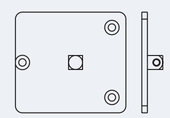
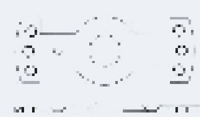
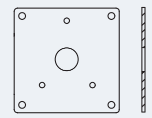
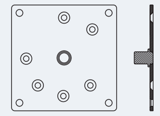
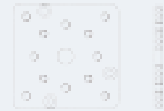
LIANDA
TUBULAR MOTORS

Ø45 Brackets / 安装板



Reference 编号	Description 描述		Drawing 图纸	Suitable motor 适配电机
2810230	NR1 SQUARE MOTOR HEAD BRACKET	安装板		NR1
2810233	NR1 LESS THAN 30NM BRACKET SET	安装板		NR1 NR1
2810236	NR1 NIPPLE BRACKET/2SCREWS/2PINS	安装板		NR1
2810881	NR1-20NM NIPPLE BRACKET/2 SCREWS	安装板		NR1
2810883	NR1 BRACKET WITH BOLT/1 PIN	安装板		NR1
2810885	NR1 SLOT BRACKET/1 PIN	安装板		NR1
2810537	NR1 BRACKET KIT FOR ROLLER BLIND - ZINC	安装板		NR1
2810536	NR1 BRACKET KIT FOR ROLLER BLIND - WHITE	安装板		NR1
2810538	NR1 NIPPLE BRACKET WITH SQUARE/2 SCREWS	安装板		NR1

Ø45 Brackets / 安装板

Reference 编号	Description 描述		Drawing 图纸	Suitable motor 适配电机
2810248	NK1 ROUND BRACKET/2 SCREWS	安装板		NK1
2810886	NK1 SQUARE BRACKET SET/2 SCREWS/1 PIN	安装板		NK1
2810245	NK1 KLIK BRACKET SET	安装板		NK1
2810250	NM1 SQUARE BRACKET/3 SCREWS/1 PIN	安装板		NM1
2810252	NM1 BRACKET/2 SCREWS	安装板		NM1
2810254	NM1 BRACKET WITH 3 HOLES/3 SCREWS	安装板		NM1
2810887	NM1 BRACKET WITH 6 HOLES/3 SCREWS	安装板		NM1
2810612	NM1 BRACKET/3 SCREWS	安装板		NM1

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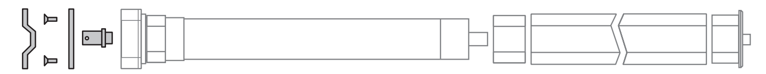
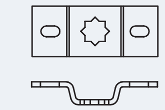
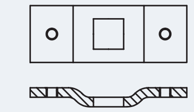
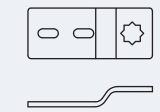
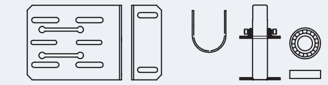
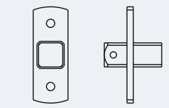
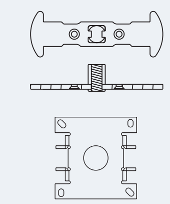
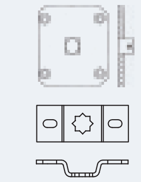
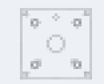
Ø59 Brackets / 安装板

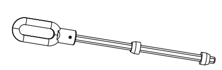
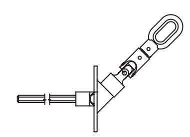


Reference 编号	Description 描述		Drawing 图纸	Suitable motor 适配电机
2810260	NR2/NM2 STAR BRACKET/1 PIN	安装板		NR2 /NM2
2810262	NR2/NM2 SQUARE BRACKET/1 PIN	安装板		NR2 /NM2
2810264	NR2/NM2 Z BRACKET/1 PIN	安装板		NR2 /NM2
2810265	NR2/NM2 WALL BRACKET SET	安装板		NR2 /NM2
2810267	NR2 SQUARE MOTOR HEAD BRACKET	安装板		NR2
2810270	NR2 BRACKET SET/2 SCREWS/2 PINS	安装板		NR2
2810889	NM2 BRACKET SET/4 SCREWS/NUTS	安装板		NM2
2810892	NM2 NIPPLE BRACKET/4 SCREWS/NUTS/1 PIN	安装板		NM2

Eye Outlets /转把

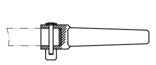
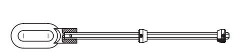
NM1/NM2

Reference 编号	Description 描述
2810277	EYE OUTLET WITH 180MM/ 转把 180 mm
2810893	EYE OUTLET WITH 250MM/ 转把 250 mm
2810278	EYE OUTLET WITH UNIVERSAL JOINT / 万向转把

2810277  2810893  2810278 

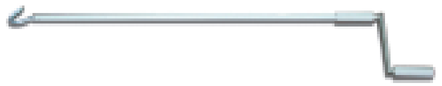
NZ3-MA

Reference 编号	Description 描述
2810280	EYE OUTLET / 转把
2810281	EYE OUTLET 115 MM/ 转把115

2810280  2810281 

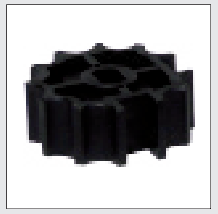
Cranks / 摇杆

Reference 编号	Description 描述
2810282	CRANK LENGTH 1500 MM / 摇杆 1500 mm
2810283	CRANK LENGTH 2000 MM/ 摇杆 2000 mm

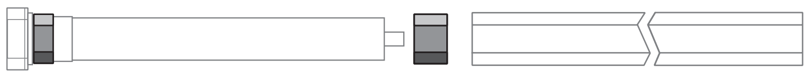
2810282 

2810283 

Adapters / 传限套

Ø35 Adapters / 传限套



Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Round tube Ø40 x 0.5 mm 圆管 Ø40 x 0.5 mm	2810169	2810168	Round tube Ø40 x 0.5 mm 圆管 Ø40 x 0.5 mm	2810169	2810261
Round tube Ø40 x 1 mm 圆管 Ø40 x 1 mm	2810180	2810181	Octo tube 40 x 1 mm 八角管 40 x 1 mm	2810170	2810292
Round tube Ø40 x 1.5 mm 圆管 Ø40 x 1.5 mm	2810242	2810244	Round tube Ø45 x 1mm 圆管 Ø45x 1 mm	2810836	2810837
Round tube Ø45 x 2 mm 圆管 Ø45 x 2 mm	2810227	2810228	Round tube Ø45 x 2 mm 圆管 Ø45 x 2 mm	2810202	2810211
Round tube Ø45.5 圆管 Ø45.5	2810838	2810839	Round tube Ø46.5x1.7mm 圆管 Ø46.5x1.7mm	2810840	2810841

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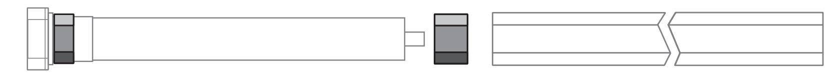
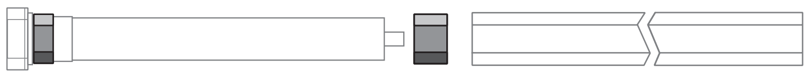
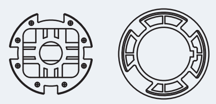
Ø35 Adapters / 传限套



Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Round tube Ø47 圆管 Ø47	2810842	Crown is the limit ruler 皇冠为限位齿圈	Round tube Ø47 x 2 mm 圆管 Ø47 x 2 mm	2810843	2810844
Round tube Ø47 x 2 mm 圆管 Ø47 x 2 mm	2810845	2810846	Round tube Ø48 x 1.5 mm 圆管 Ø48 x 1.5 mm	2810194	2810195
Round tube Ø48 x 2 mm 圆管 Ø48 x 2 mm	2810847	2810848	Round tube Ø50 x 1.75 mm 圆管 Ø50 x 1.75 mm	2810532	2810199
Round tube Ø53.2x1.6mm 圆管 Ø53.2x1.6mm	2810849	2810850	Round tube Ø58x2mm 圆管 Ø58 x 2 mm	2810851	2810852
Round tube Ø60 x 1 mm 圆管 Ø60 x 1 mm	2810853	2810854			

Ø35 Adapters / 传限套



Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Round tube Ø60x2mm 圆管 Ø60 x 2 mm	2810196 	2810615			

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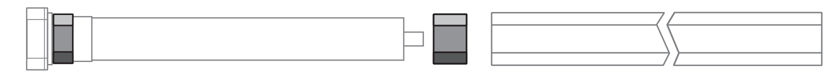
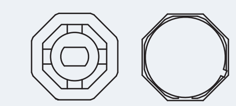
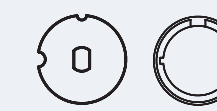
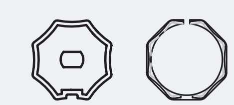
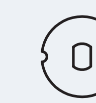
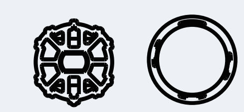
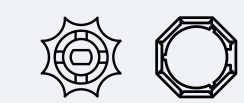
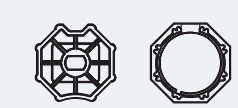
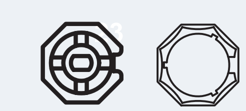
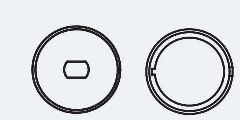
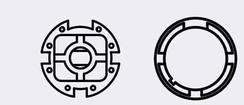
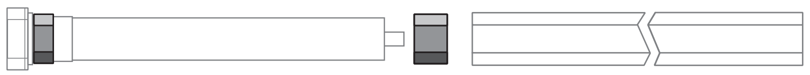
Ø45 Adapters / 传限套



Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Octo tube H50x1.5mm 八角管 50 x 1.5 mm	2810857 	2810858	Round tube Ø60 x 2 mm 圆管 Ø60 x 2 mm	2810855 	2810861
Octo tube 53 x 1.5 mm 八角管 53 x 1.5 mm	2810618 	2810619	Round tube Ø50 x 1.5 mm 圆管 Ø50 x 1.5 mm	2810532 	Crown is the limit ruler 皇冠为限位齿圈
Tube ZF54	2810348 	2810355	Octo tube 60 mm 八角管 60 mm	2810620 	2810621
Octo tube 60 x 1 mm 八角管 60 x 1 mm	2810622 	2810623	Octo tube 60 x 1.5 mm 八角管 60 x 1.5 mm	2810173 	2810546
Round tube Ø60 x 1.5 mm 圆管 Ø60 x 1.5 mm	2810859 	2810860	Round tube Ø60 x 2 mm 圆管 Ø60 x 2 mm	2810196 	2810562

Ø45 Adapters / 传限套



Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Round tube Ø63 x 0.8 / 0.9 mm 圆管 Ø63 x 0.8 / 0.9 mm	2810174	2810175	Round tube Ø65x 2 mm 圆管 Ø65 x 2 mm	2810868	limit ruler
Round tube Ø63 x 1.2 mm 圆管 Ø63 x 1.2 mm	2810862	limit ruler	Round tube Ø70 x 1.3 mm 圆管 Ø70 x 1.3 mm	2810627	2810172 The adaptor is eccentric 此传限套为偏心
Round tube Ø63 x 1.5 mm 圆管 Ø63 x 1.5 mm	2810229	2810231	Round tube Ø63 x 1.5 mm 圆管 Ø63 x 1.5 mm	2810624	2810167
Tube ZF64	2810370	2810371	Round tube Ø63x1.5 mm 圆管 Ø63 x 1.5 mm	2810863	2810864
Round tube Ø65 x 2 mm 圆管 Ø65 x 2 mm	2810865	2810866	Round tube Ø65 x 3 mm 圆管 Ø65 x 3 mm	2810867	limit ruler

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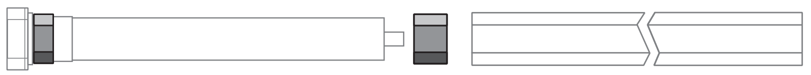
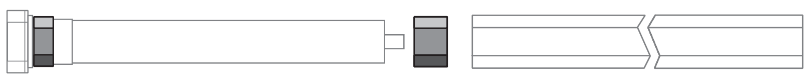
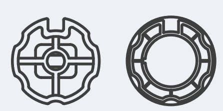
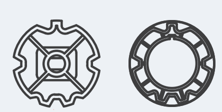
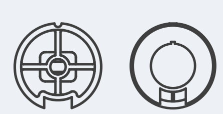
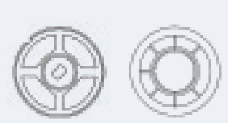
Ø45 Adapters / 传限套



Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Round tube Ø68 x 1.3 mm 圆管 Ø68 x 1.3 mm	2810625	2810626	Tube ZF80	2810372	2810377
Octo tube 70 x 1.5 mm 八角管 70 x 1.5 mm	2810183	2810628	Round tube Ø85 x 1.2 mm 圆管 Ø85 x 1.2 mm	2810240	2810241
Round tube Ø70 x 1.5 mm 圆管 Ø70 x 1.5 mm	2810226	2810222	Round tube Ø85 x 1.4 mm 圆管 Ø85 x 1.4 mm	2810192	2810193
Round tube Ø76x 1 mm 圆管 Ø76 x 1 mm	2810869	2810870	Round tube Ø70 x 1.8 mm 圆管 Ø70 x 1.8 mm	2810187	2810188
Round tube Ø78 x 1.4 mm 圆管 Ø78 x 1.4 mm	2810237	2810238	Round tube Ø78 x 1.3 mm 圆管 Ø78 x 1.3 mm	2810213	2810216 The adaptor is eccentric 此传限套为偏心

Ø45 Adapters / 传限套



Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Round tube Ø78 x 1.4 mm 圆管 Ø78 x 1.4 mm	2810185 	2810186			
Round tube Ø80 x 1.5 mm 圆管 Ø80 x 1.5 mm	2810176 	2810177			
Round tube Ø89 x 2 mm 圆管 Ø89 x 2 mm	2810217 	2810219			
Round tube Ø102 x 2 mm 圆管 Ø102 x 2 mm	2810266 	2810221			

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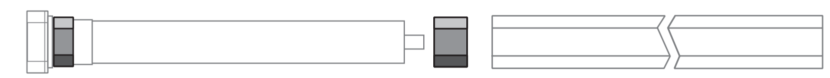
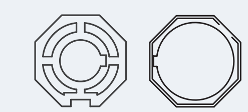
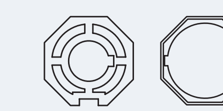
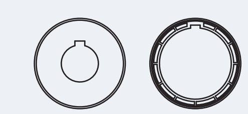
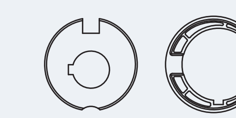
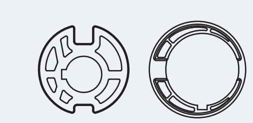
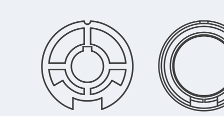
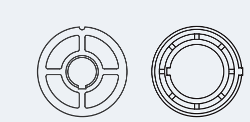
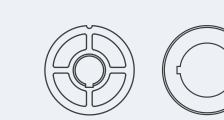
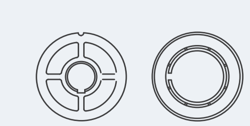
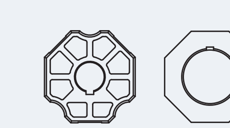
TUBULAR MOTORS

Ø59 Adapters / 传限套



Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Octo tube 70 x 1.5 mm 八角管 70 x 1.5 mm	2810531 	2810629	Octo tube 73 x 1.5 mm 八角管 73 x 1.5 mm	2810224 	2810225
Round tube Ø76 x 1 mm 圆管 Ø76 x 1 mm	2810871 	2810872	Round tube Ø78 x 1.4 mm 圆管 Ø78 x 1.4 mm	2810873 	2810876 The adaptor is eccentric 此传限套为偏心
Round tube Ø78 x 1.4 mm 圆管 Ø78 x 1.4 mm	2810875 	2810876 The adaptor is eccentric 此传限套为偏心	Round tube Ø89 x 2 mm 圆管 Ø89 x 2 mm	2810178 	2810179
Round tube Ø98 x 1.7 mm 圆管 Ø98 x 1.7 mm	2810184 	2810300	Round tube Ø98 x 1.7 mm 圆管 Ø98 x 1.7 mm	2810184 	2810223
Round tube Ø102 x 2 mm 圆管 Ø102 x 2 mm	2810197 	2810198	Octo tube 102 x 2.5 mm 八角管 102 x 2.5 mm	2810246 	2810256

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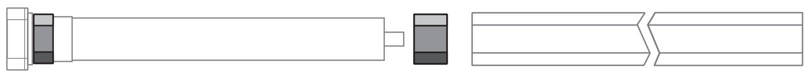
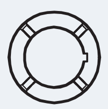
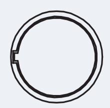
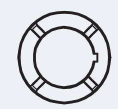
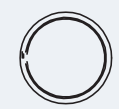
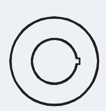
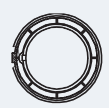
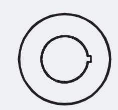
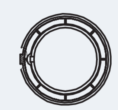
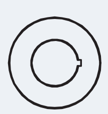
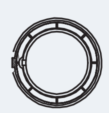
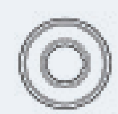
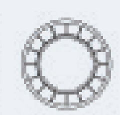
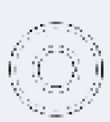
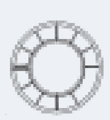


Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Round tube Ø101.6 x 3.6 mm 圆管 Ø101.6 x 3.6 mm	2810182 	2810877 	Round tube Ø102 x 2 mm 圆管 Ø102 x 2 mm	2810630 	2810631 
Round tube Ø126 x 3.25 mm 圆管 Ø126 x 3.25 mm	2810632 	2810633 	Round tube Ø133 x 4 mm 圆管 Ø133 x 4 mm	2810634 	62810189 
Round tube Ø140 x 6 mm 圆管 Ø140 x 6 mm	2810190 	2810191 	Round tube Ø159 x 4.5 mm 圆管 Ø159 x 4.5 mm	2810257 	2810258 
Round tube Ø168 x 4.5 mm 圆管 Ø168 x 4.5 mm	2810635 	2810636 			

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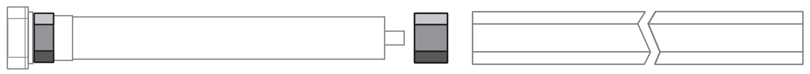
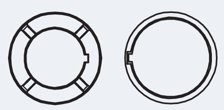
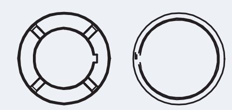
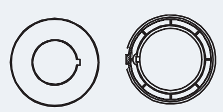
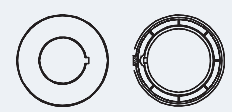
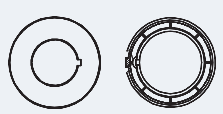
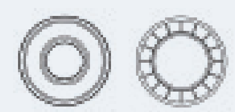
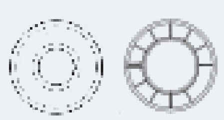


Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠	Tube description 钢管	Wheel ref. 转轮	Crown ref. 皇冠
Round tube Ø101.6 x 3.6 mm 圆管 Ø101.6 x 3.6 mm	2810182 	2810877	Round tube Ø102 x 2 mm 圆管 Ø102 x 2 mm	2810630 	2810631
Round tube Ø126 x 3.25 mm 圆管 Ø126 x 3.25 mm	2810632 	2810633	Round tube Ø133 x 4 mm 圆管 Ø133 x 4 mm	2810634 	62810189
Round tube Ø140 x 6 mm 圆管 Ø140 x 6 mm	2810190 	2810191	Round tube Ø159 x 4.5 mm 圆管 Ø159 x 4.5 mm	2810257 	2810258
Round tube Ø168 x 4.5 mm 圆管 Ø168 x 4.5 mm	2810635 	2810636			

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