The trend of electrical conversion is accelerating.

- Easy installation, better control, and lower complexity,
- Installation is simpler, smaller, and faster
- Easier control and higher precision

Electric actuators require fewer components and are faster and easier to install than hydraulic or pneumatic systems

- Component costs lower than similar hydraulic or pneumatic systems
- Smaller footprint simplifies and accelerates design

Easier control and higher precision

- Fully electrical components mean easier integration, fewer control components, and less complexity
- Electric actuators react faster, more predictable, and do not drift when the power is turned off

Reduce energy costs

- Electric motors are inherently more efficient than pneumatic or hydraulic motors
- Potential parasitic power consumption can be considered without expanding the scale of existing systems
- No need for any power source to maintain load and reduce power consumption

Reduce maintenance

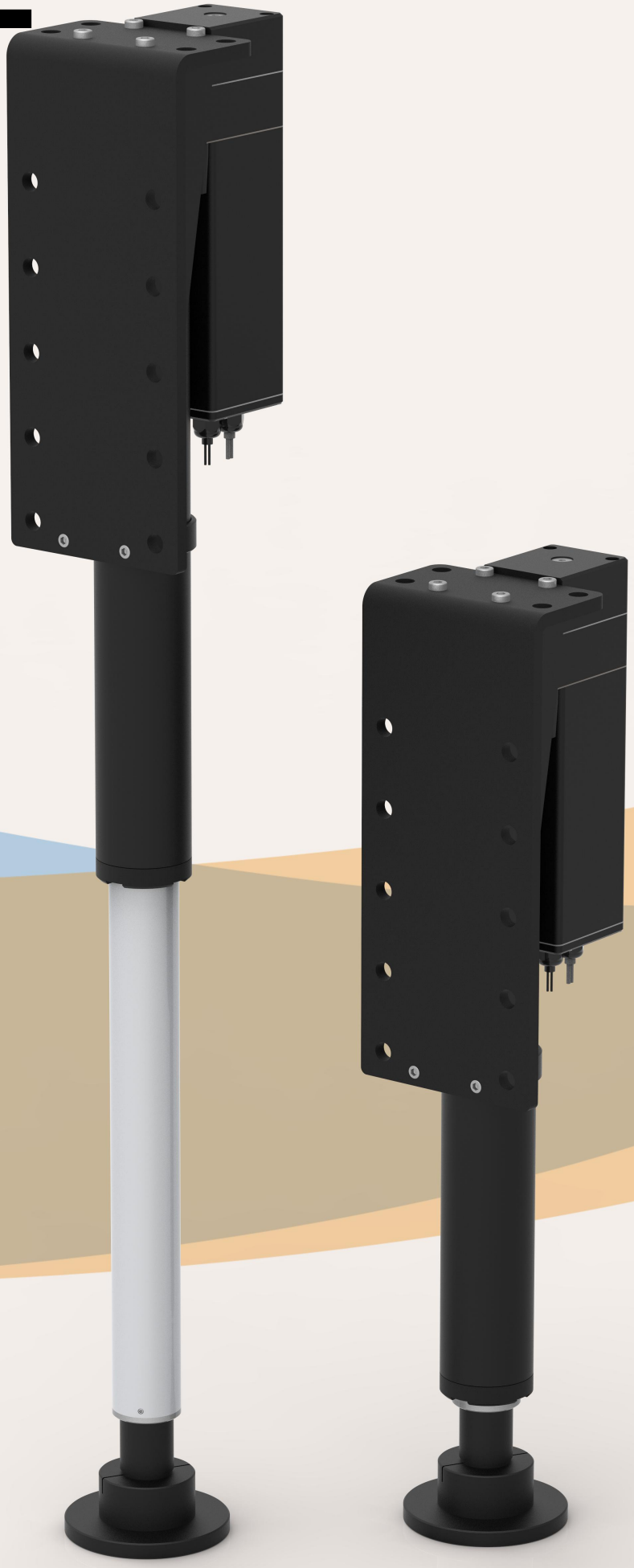
- Prohibit the use of hydraulic pumps, valves, or hoses to reduce downtime, minimize repair parts, and replace them
- Independent electronic products equipped with intelligent onboard equipment require zero maintenance, increasing design flexibility for component placement
- Electric execution eliminates costs and hassle associated with liquid maintenance

TL2Z

Series

Electric lifting legs

GeMinG Linear Drive



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TL2Z

Series

Electric lifting outriggers

Product Category

1、Emergency vehicle

2、RV Applications

3、Generator car

Parking support legs are crucial support devices for vehicles when parked, typically using mechanical or hydraulic drives for height adjustment. Their main function is to stabilize the vehicle body and distribute its weight by contacting the ground, effectively preventing tilting and swaying caused by uneven ground when parking. This device is widely used in RVs, trucks, and construction vehicles, ensuring the safety of loading and unloading cargo while also improving the stability and comfort of RVs when parked. It is an important component of parking systems for large vehicles.

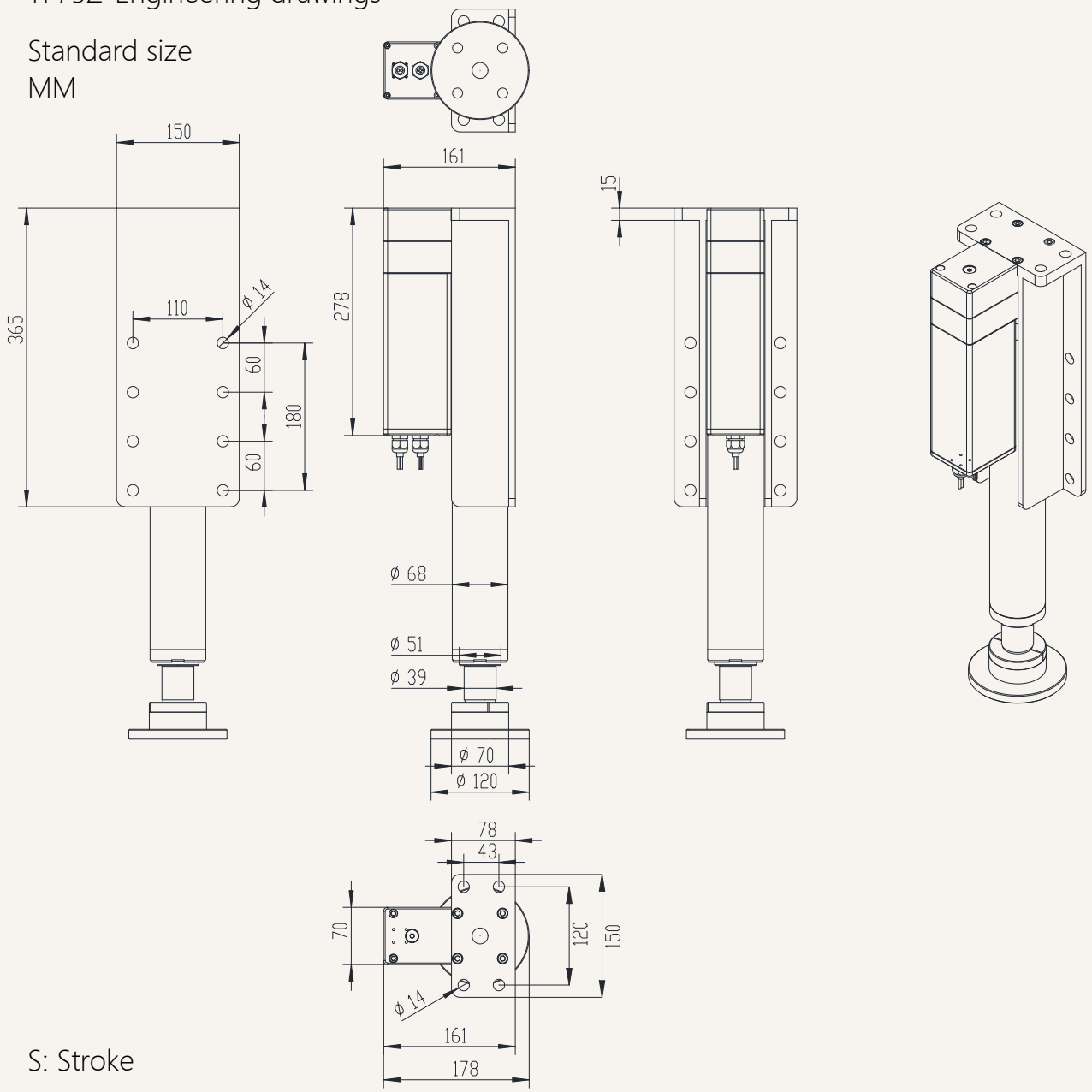
Function Overview

Voltage range:	24V DC or 48V DC
Maximum Thrust / Self-Locking Support	2.5 tons / 7.0 tons
Force:	04 mm / s
Speed at full load:	200 - 600 MM
Travel Range:	Travel +400MM
Return to initial height:	1000 Nm
Dynamic lateral torque:	1500 Nm
Static lateral moment:	±0.2~1 MM
Positioning Repeatability:	Any RV, emergency vehicle, power generator truck,
Robot Compatibility:	semi-trailer
Weight of the body:	0 stroke 22KG, @100MM stroke weight +2.5KG
Safety Certification:	Comply with ISO9001-2008,
Operating temperature range:	-35 ° C ~ + 75 ° C
Full performance temperature range:	+5 ° C ~ + 45 ° C
Protection rating:	IP66
Screw selection:	Default trapezoidal screw
Other options:	Feedback - Position and Status - Accessible
Control options:	Position
Communication Protocol:	Automatic leveling control, soft start and stop - Ensures smooth operation EtherCAN/Modbus RTU (customized)

Download 3D model

TF75Z-Engineering drawings

Standard size
MM



S: Stroke

L: Retracted length

L=Stroke +300 MM

Standard travel: 400mm; initial retraction height: 700mm; maximum lifting height: 1100mm

Installation Dimensions Reference Chart

TL2Z Series	Stroke ± 2 (mm)				Installation dimensions ± 2 (mm)
StrokeMM	300	350	400	450	500
Install	600	650	700	750	800
WeightKG	30	33	35	38	41

TF75Z

Series

Electric lifting legs

GeMinG Linear Drive

TF75Z

Series

Electric lifting outriggers

Product Category

1、Emergency vehicle

2、RV Applications

3、Generator car

Parking support legs are crucial support devices for vehicles when parked, typically using mechanical or hydraulic drives for height adjustment. Their main function is to stabilize the vehicle body and distribute its weight by contacting the ground, effectively preventing tilting and swaying caused by uneven ground when parking. This device is widely used in RVs, trucks, and construction vehicles, ensuring the safety of loading and unloading cargo while also improving the stability and comfort of RVs when parked. It is an important component of parking systems for large vehicles.

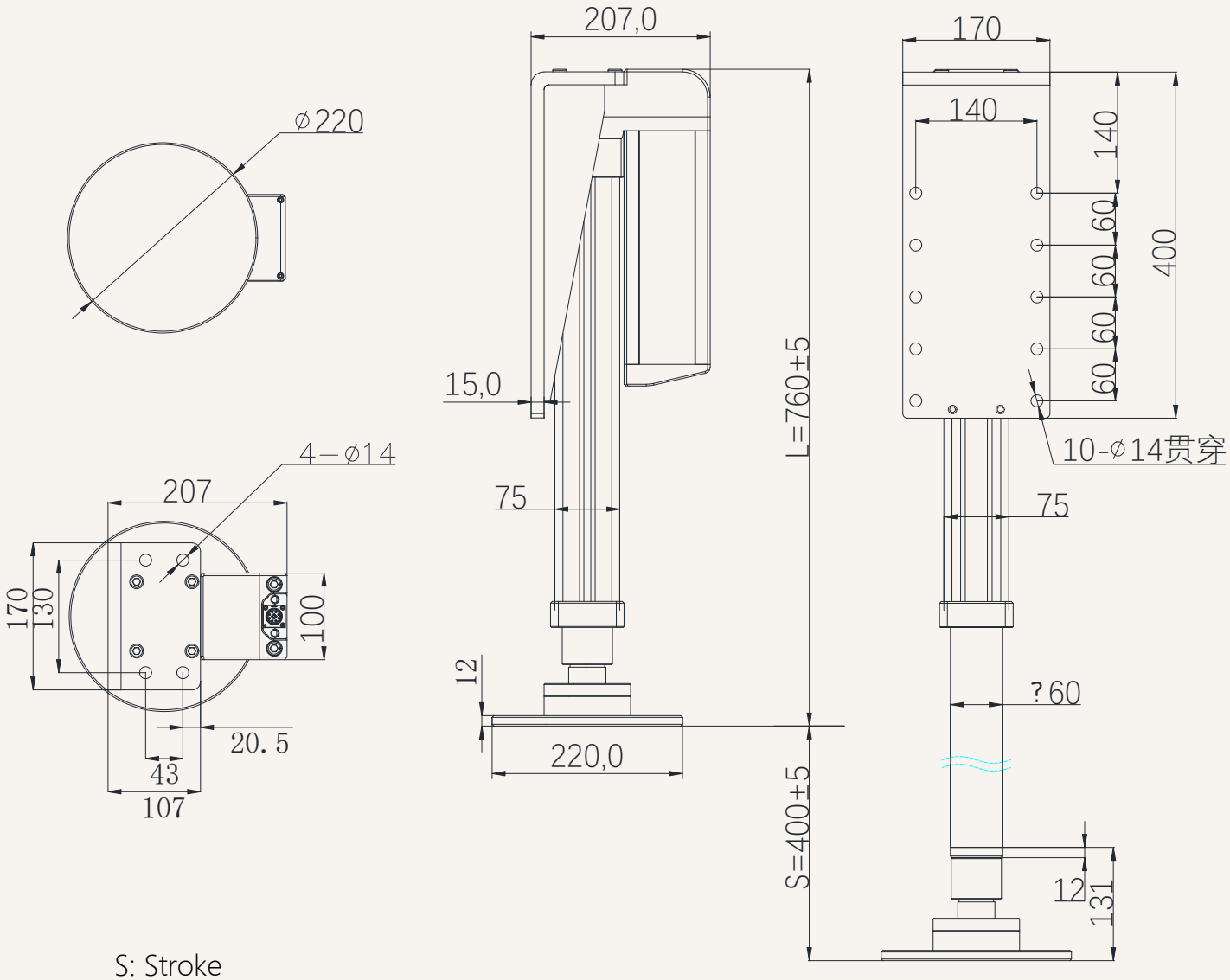
Function Overview

Voltage range:	48V DC or 220V AC
Maximum Thrust / Self-Locking Support	7.0 tons / 12 tons
Force:	05 mm / s
Speed at full load:	200 - 600 MM
Travel Range:	Travel +400MM
Return to initial height:	1500 Nm
Dynamic lateral torque:	2000 Nm
Static lateral moment:	±0.2~1 MM
Positioning Repeatability:	Any RV, emergency vehicle, power generator truck,
Robot Compatibility:	semi-trailer
Weight of the body:	0 stroke 25KG, @100MM stroke weight +3KG
Safety Certification:	Comply with ISO9001-2008,
Operating temperature range:	-35 ° C ~ + 75 ° C
Full performance temperature range:	+5 ° C ~ + 45 ° C
Protection rating:	IP66
Screw selection:	Default trapezoidal screw
Other options:	Feedback - Position and Status - Accessible
Control options:	Position
Communication Protocol:	Automatic leveling control, soft start and stop - Ensures smooth operation EtherCAN/Modbus RTU (customized)

Download 3D model

TF75Z-Engineering drawings

Standard size
MM



S: Stroke

L: Retracted length

L=Stroke +450 MM

Standard travel: 400mm; initial retraction height: 850mm; maximum lifting height: 1250mm

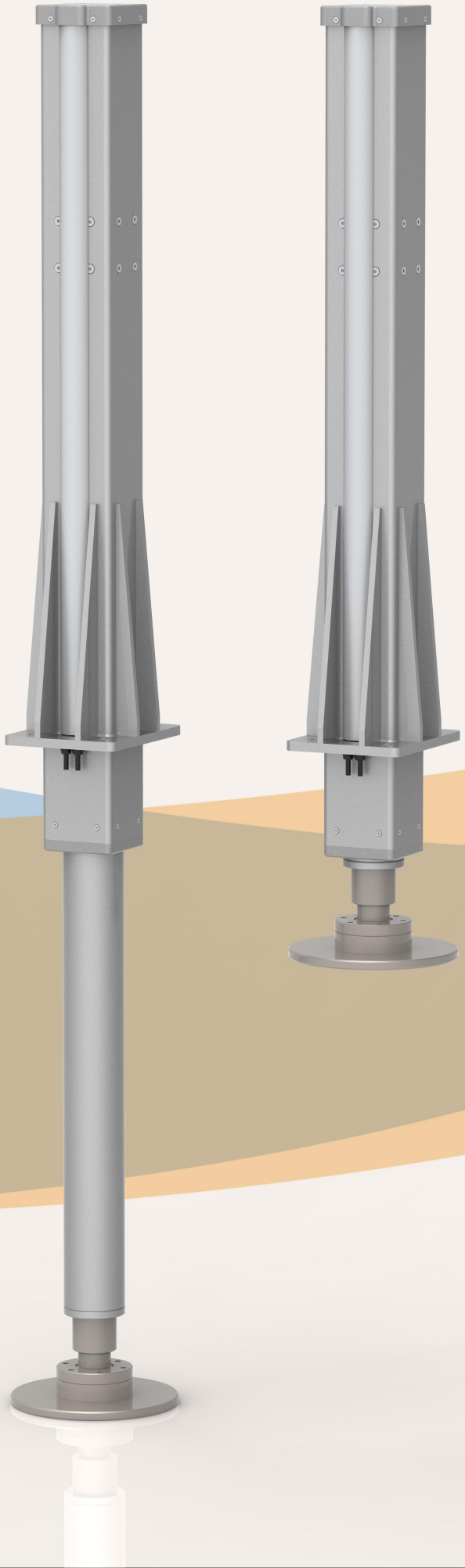
Installation Dimensions Reference Chart

TF75Z Series	Stroke ± 2 (mm)				Installation dimensions ± 2 (mm)
StrokeMM	300	350	400	450	500
Install	750	800	850	900	950
WeightKG	30	33	35	38	41

TK100

Series

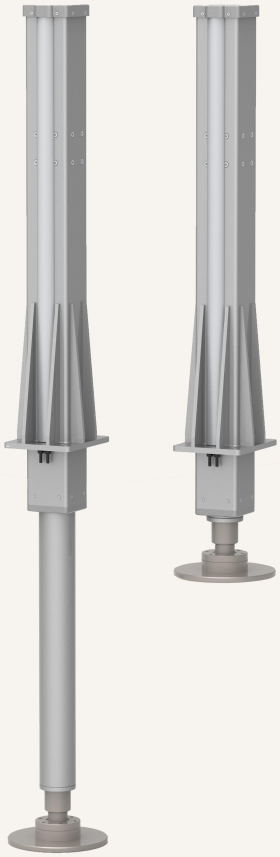
Electric lifting legs



TK100

Series

Electric lifting outriggers



Product Category

1、Emergency vehicle

2、RV Applications

3、Generator car

Download 3D model

Parking support legs are crucial support devices for vehicles when parked, typically using mechanical or hydraulic drives for height adjustment. Their main function is to stabilize the vehicle body and distribute its weight by contacting the ground, effectively preventing tilting and swaying caused by uneven ground when parking. This device is widely used in RVs, trucks, and construction vehicles, ensuring the safety of loading and unloading cargo while also improving the stability and comfort of RVs when parked. It is an important component of parking systems for large vehicles.

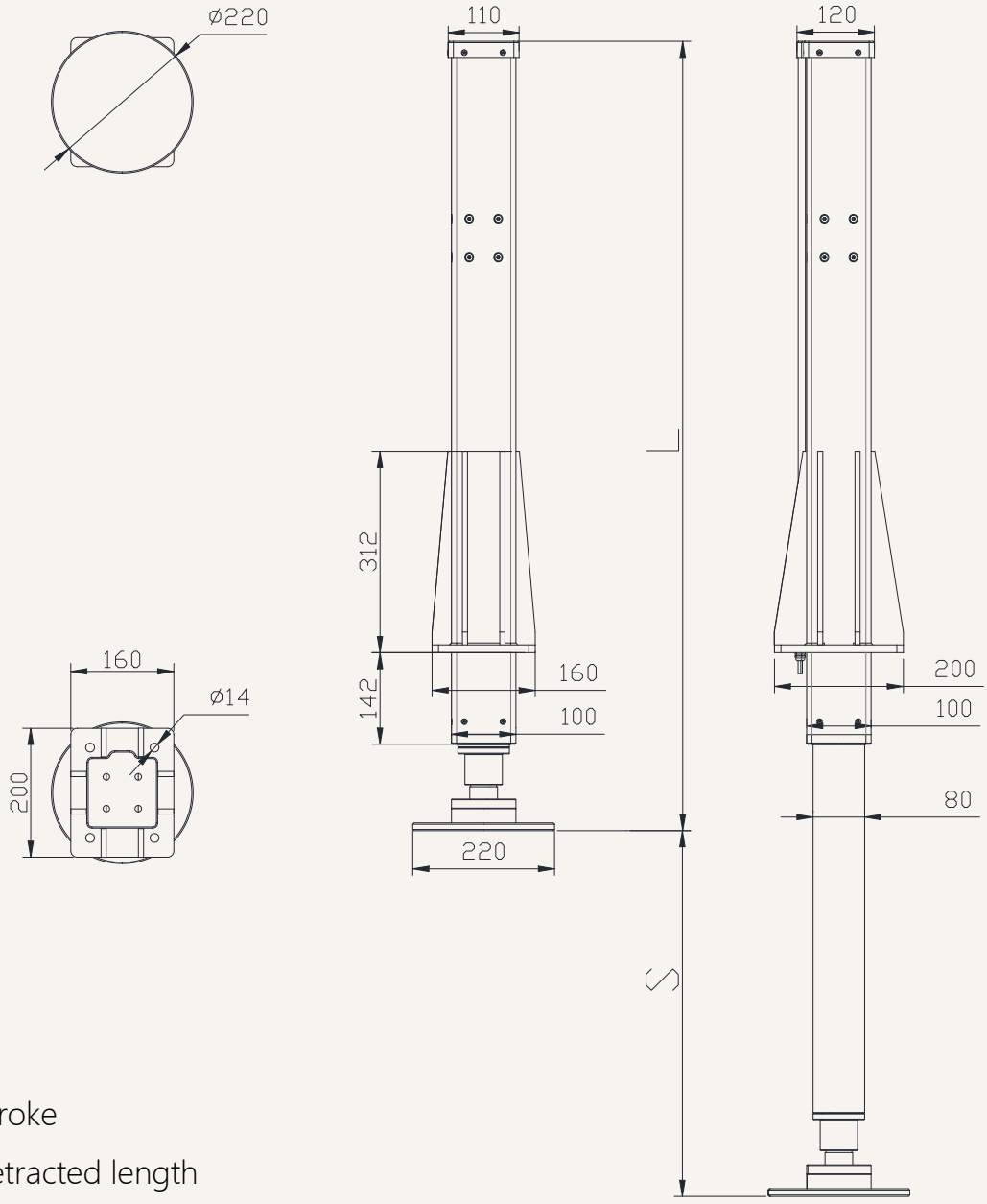
Function Overview

Voltage range:	48V DC or 220V AC
Maximum Thrust / Self-Locking Support	7.0 tons / 15 tons
Force:	04 mm / s
Speed at full load:	200 - 600 MM
Travel Range:	Travel +650MM
Return to initial height:	2500 Nm
Dynamic lateral torque:	4000 Nm
Static lateral moment:	±0.2~1 MM
Positioning Repeatability:	Any RV, emergency vehicle, power generator truck,
Robot Compatibility:	semi-trailer
Weight of the body:	0 stroke 45KG, @100MM stroke weight +6KG
Safety Certification:	Comply with ISO9001-2008,
Operating temperature range:	-35 ° C ~ + 75 ° C
Full performance temperature range:	+5 ° C ~ + 45 ° C
Protection rating:	IP66
Screw selection:	Default trapezoidal screw
Other options:	Feedback - Position and Status - Accessible
Control options:	Position
Communication Protocol:	Automatic leveling control, soft start and stop - Ensures smooth operation EtherCAN/Modbus RTU (customized)

TK100-Engineering drawings

Standard size

MM



S: Stroke

L: Retracted length

L=Stroke +650 MM

Standard travel: 600mm; initial retraction height: 1250mm; maximum lifting height: 1850mm

Installation Dimensions Reference Chart

HTK10 Series	Stroke ± 2 (mm)				Installation dimensions ± 2 (mm)				
StrokeMM	300	350	400	450	500	550	600	650	700
Install	920	970	1020	1070	1120	1170	1250	1300	1350
WeightKG	45	48	51	55	58	62	65	68	72

GeMinG
Linear Drive

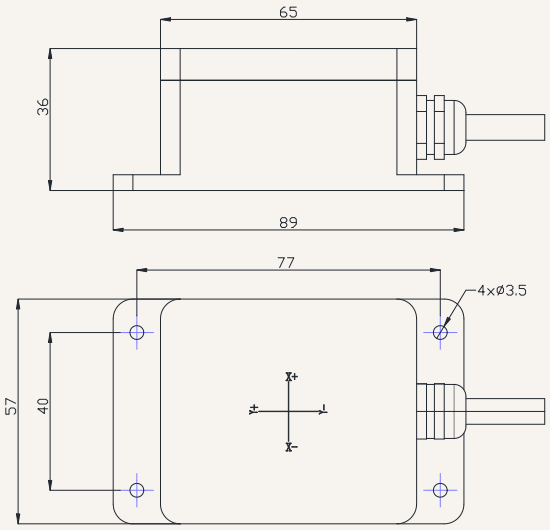
TCA16

Series
Controller

Roof lifting system
Automatic outrigger leveling
Integrated system

Dual-axis tilt sensor

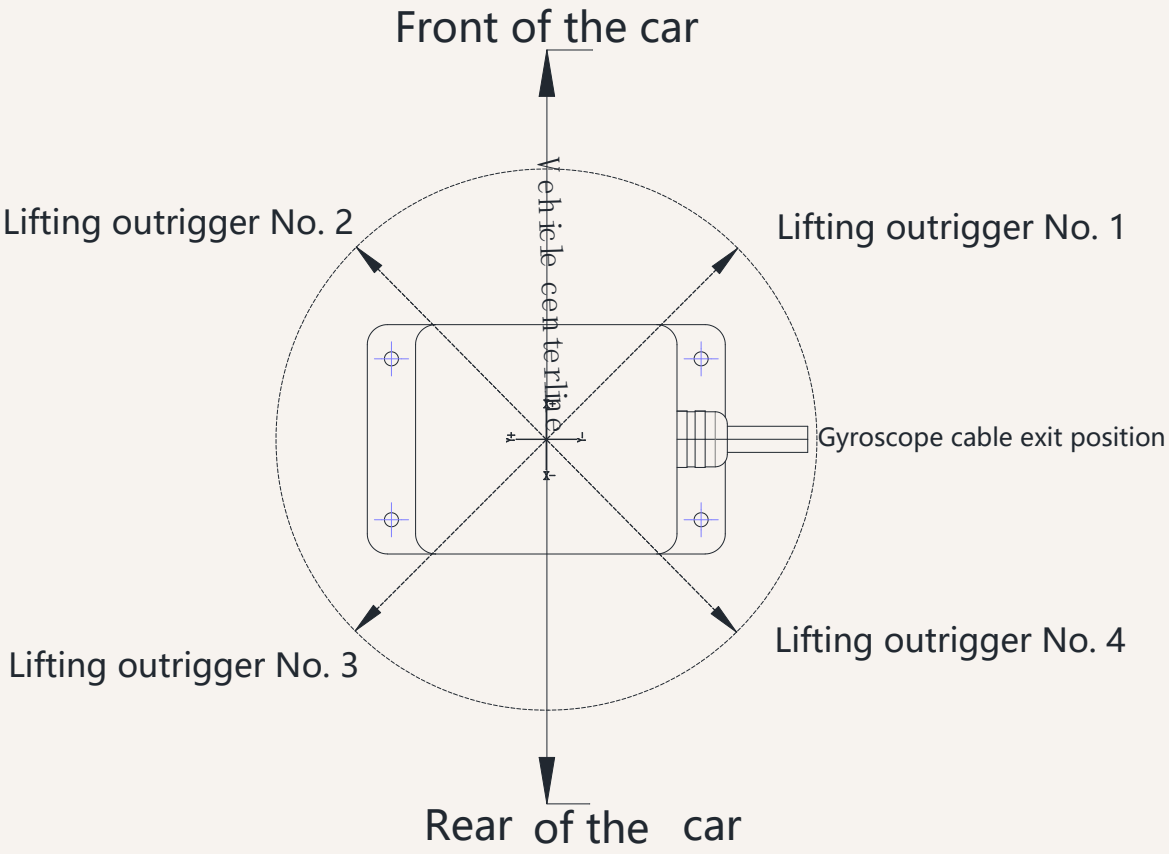
Dual-axis tilt sensor model： DA01-R4



Installation diagram

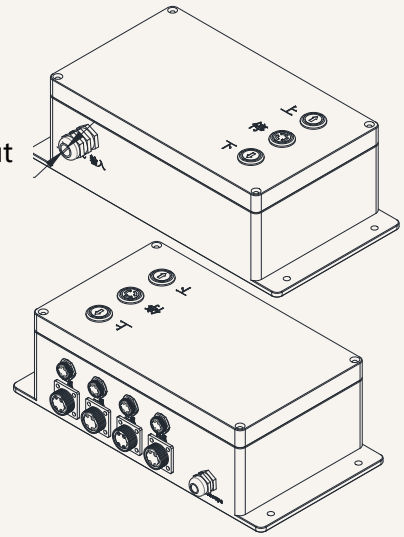
Function Description:

- Measurement range: ±15°, accuracy: 0.1°,
- Output: RS485.
- See the diagram below for sensor shape and installation requirements.
- Installation requirements: The sensor should ideally be installed at the center of the four support legs, specifically at the base of the equipment with the highest leveling requirements. The sensor's cable outlet should face the front of the vehicle, with the mounting surface facing down; it must not be installed upside down.



Automatic leveling installation effect

Automatic leveling control box: TCA14-04-2424



Function Description:

- Control box model: Dual-row control box; The control box body is a waterproof plastic box, sea gray in appearance. The control box is equipped with the following control buttons:
- [Emergency Stop] self-locking button,
- [Main Power] self-locking button,
- [One-key Leveling] self-locking button,
- [One-key Retraction] self-locking button,
- [Synchronous Lifting] self-reset button,
- [Synchronous Lowering] self-reset button.
- The control box has the following wireless remote control functions:
- A) One-key leveling and one-key retraction functions;
- B) Synchronous lifting and synchronous lowering functions;
- C) Emergency stop function;

Installation diagram