

HTKC35

Series model

Linear Actuator



Applications

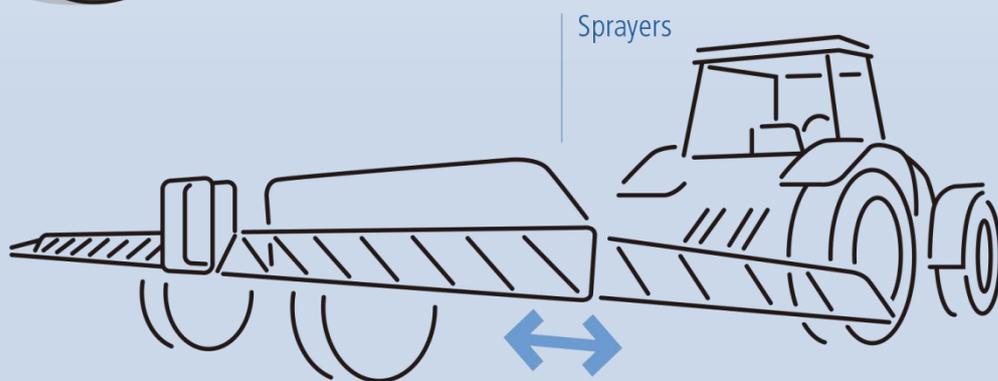
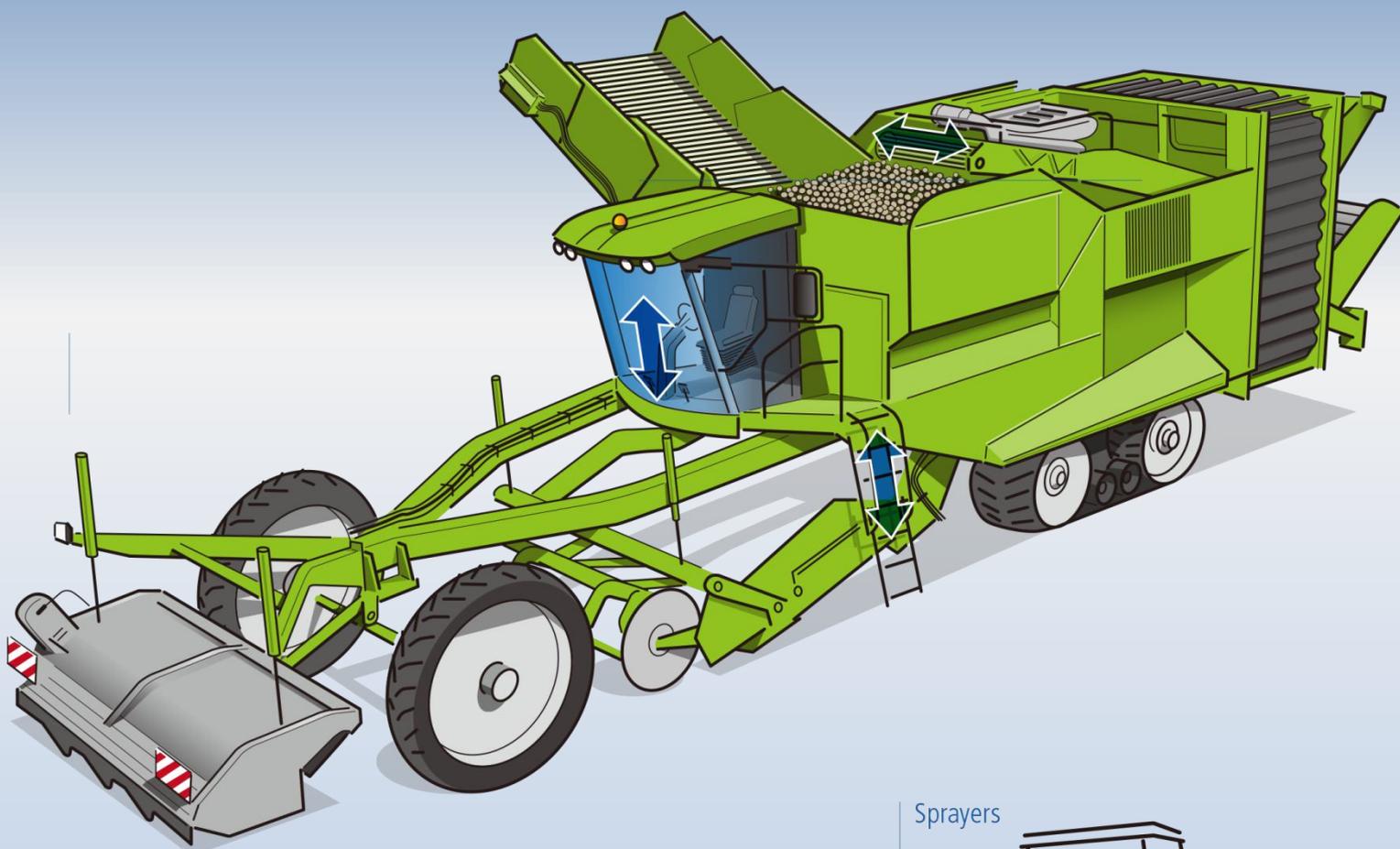
1. Industrial
2. Construction
3. Ships
4. Ventilation
5. Automotive

KC35 has the same design as KC55 and KC75. They are in-line linear actuators, suitable for installation in narrow space. Optional waterproof rating up to IP69, which can withstand high temperature, high-pressure water impact.

| Features | |
|---|---|
| Voltage: | 12V DC, 24V DC |
| Max Push/Pull Force:: | 1200N |
| Speed @ Full load: | 5mm / s (load 1200N) |
| Retracted Length: | stroke + 220mm stroke + 250mm(S >300 MM) |
| Dynamic Torque: Static Torque: | 80Nm 160Nm |
| Color: Noise: | Black 62DB |
| Quality Management: | ISO9001-2008, certified by CE and ROHS |
| Ambient temp. Range: Operating Temp. Range: | -45 ° C ~ + 75 ° C +5 ° C ~ + 45 ° C |
| Protection Level: Screw Type: | IP66 Trapezoidal |
| Optional Signal Output: Option for Control System: | Hall sensor 100% Synchronous Control(using Geming controller) Individual control(using Geming controller) |
| Material: Limit Switch: | SS304 inner tube,and metal gear box No |

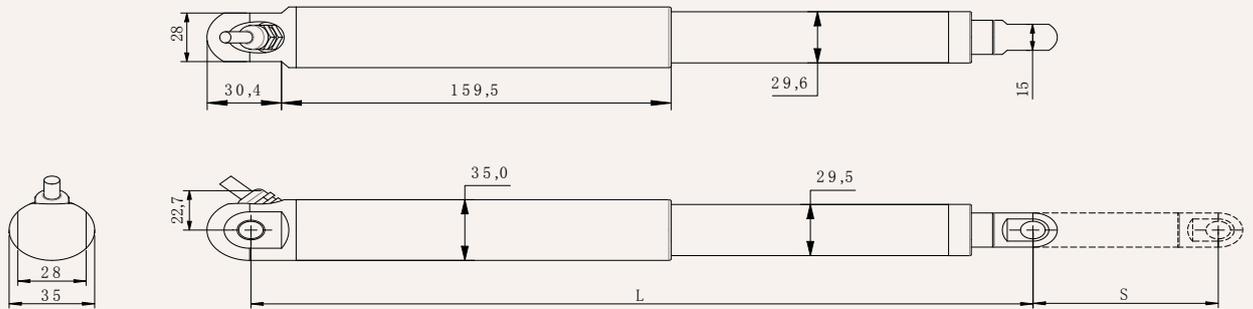
Case for Potato Harvester

For adjusting knives, tables and chairs, steering wheel and driver's seat.



Drawings

Dimension
(MM)



S: Stroke

L: Retracted length

L= Stroke +220mm

When stroke >= 300mm, L= Stroke +250MM

| LOAD & SPEED | | | | | | |
|------------------|-----------------|-----------------|------------------|-------------------------|---------------------|-----------------------|
| Code | Rated Load Push | Rated Load Pull | Self-lock Static | Rated Current Full-load | Rated Speed No-load | Rated Speed Full-load |
| | (N) | (N) | (N) | (A) | (mm/s) | (mm/s) |
| Voltage (12V DC) | | | | | | |
| A | 1200 | 1200 | 1200 | 2.4 | 5.0 | 3.9 |
| B | 1000 | 1000 | 1000 | 2.4 | 7.0 | 5.1 |
| C | 500 | 500 | 500 | 2.2 | 14.0 | 11.2 |
| D | 400 | 400 | 400 | 1.8 | 20.6 | 15.6 |
| E | 100 | 100 | 100 | 1.6 | 70 | 56 |
| Voltage (24V DC) | | | | | | |
| F | 1200 | 1200 | 1200 | 1.8 | 4.9 | 3.9 |
| G | 1000 | 1000 | 1000 | 1.8 | 6.9 | 5.1 |
| H | 500 | 500 | 500 | 1.5 | 14.0 | 11.2 |
| K | 400 | 400 | 400 | 1.2 | 20.6 | 15.6 |
| L | 100 | 100 | 100 | 1.0 | 70 | 56 |

Remark

1. The current and speed in the table are the averages tested when using push force.
2. The current & speed results in the table are based on the use of a GeMinG brand control box, and there will be an error of about 10% depending on different types of the control box.
3. 29V DC @ no-load, 24V DC @ rated load
4. Stroke & Load:

| Load (N) | Stroke Range (mm) |
|----------|-------------------|
| 1200 | 25-400 |
| <=600 | 25-600 |
| <=300 | 25-800 |

Reference Chart

| HTKC35 Model | Load ±10% (N) | | | | | Speed ± 2 (mm / sec) | | | | |
|--------------|---------------|------|-----|-----|-----|----------------------|--|--|--|--|
| Load | 1200 | 1000 | 500 | 400 | 100 | | | | | |
| Speed | 05 | 07 | 14 | 20 | 70 | | | | | |

| HTKC35 Model | Stroke ± 2 (mm) | | | | | Retracted Length ± 2 (mm) | | | | |
|--------------|-----------------|-----|-----|-----|-----|---------------------------|-----|-----|-----|--|
| Stroke | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | |
| L | 270 | 320 | 370 | 420 | 470 | 550 | 600 | 650 | 700 | |

Stroke & Retracted length:

1. If stroke <300mm, Retracted length = stroke +220mm
Eg. Stroke 100mm, retracted length=270mm, extended length=370mm
2. If stroke >=300mm, Retracted length = stroke +250mm
Eg. Stroke 400mm, retracted length=650mm, extended length=1050mm

HTKC35

| | | | | | |
|--|----------------------|---|--|------------|----------------|
|  | Voltage | 12=12V DC | 24=24V DC | | |
|  | Speed(mm/s) | Refer to Page 4 | | | |
|    | Stroke(mm) | | | | |
|    | Retracted Length(mm) | Refer to Page 4 | | | |
|  | Load(N) | Refer to Page 4 | | | |
|  | Front Attachment | 1 = Normal, Aperture 8.0 Refer to Page 6 | 2 = Normal, dia 10.0mm 3 = U shape, width 6.1mm, dia 8.0mm 4 = U shape, width 8mm, dia 10.0mm 5 = O type, width 15mm, dia 8.0mm 6 = O type, width 15mm, dia 10.0mm | | |
|  | Rear Attachment | 1 = normal, dia 10mm Refer to Page 6 | 2 =normal, dia 12mm | | |
|  | Wire/Plug | 1 = stripped wire Refer to Page 6 | 2 = 4 pin 90° curved plug 3 = 4 pin 0° straight plug 4 = 6 pin 0° straight plug | | |
|  | Screw | P=Trapezoidal | | | |
|  | Signal Output | N = No | H = Hall Sensor | | |
|  | Wire Length | 1 = 600mm | 2 = 1000mm | 3 = 1500mm | 4 = customized |

Eg.:
voltage 12V DC, stroke 100MM, speed 7MM/s, load 1200N
Code: HTKC35-12-7-100-320 / 420-A-1-1-1-P-N-1

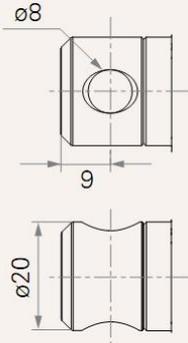
Statement

It is the user's responsibility to determine whether the licensed application is suitable for a particular product. However, as the research and development process continues to improve its product performance, GEMING can make modifications or changes without prior notice. Therefore, GEMING reserves the right to stop sales on the company's website, product catalog, terms of use or all other written information. All kinds of physical and chemical information can maintain the most accurate and true state.

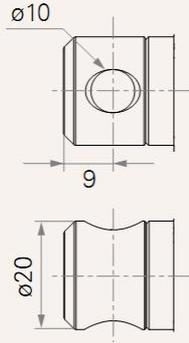
HTKC35 Reference Chart for Attachment

Front Attachment

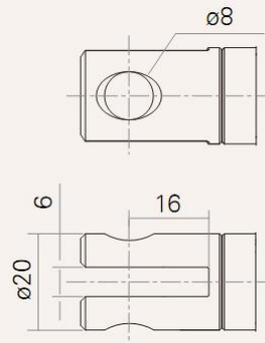
1=Normal, Aperture 8.0



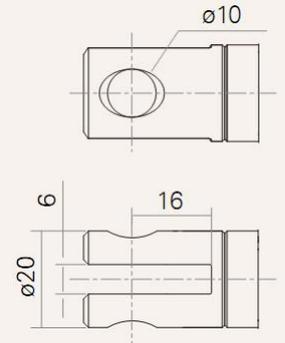
2=Normal, Aperture 10.5



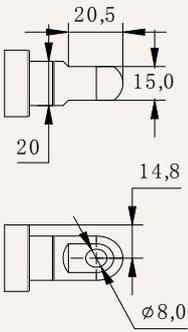
3=U-type slot , width 6.1
Depth 16.0, aperture 8.0



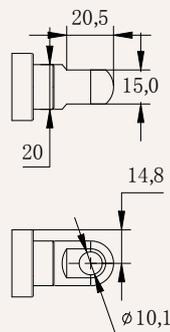
4=U-type slot , width 6.1
Depth 16.0, aperture 10.0



5=O type, width 15.0,
depth 20.5, aperture 8.0



6=type, width 15.0,
depth 20.5, aperture 10

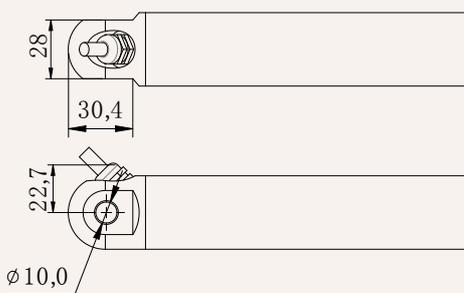


7=

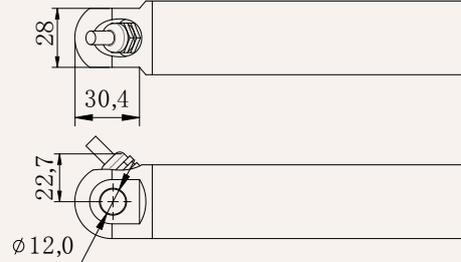
8=

Rear Attachment

1=0 degree, Aperture 10.0mm

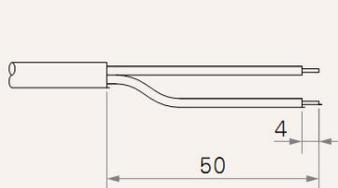


2=0 degree, Aperture 12.0mm

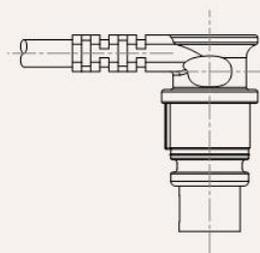


Wire / Plug

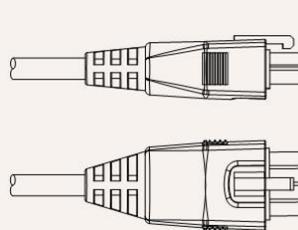
1= stripped wire



2 = 4 pin 90° curved plug



3 =4 pin 0° straight plug



4 = 6 pin 0° straight plug

