

HTKC36

Series model

Linear Actuator



Applications

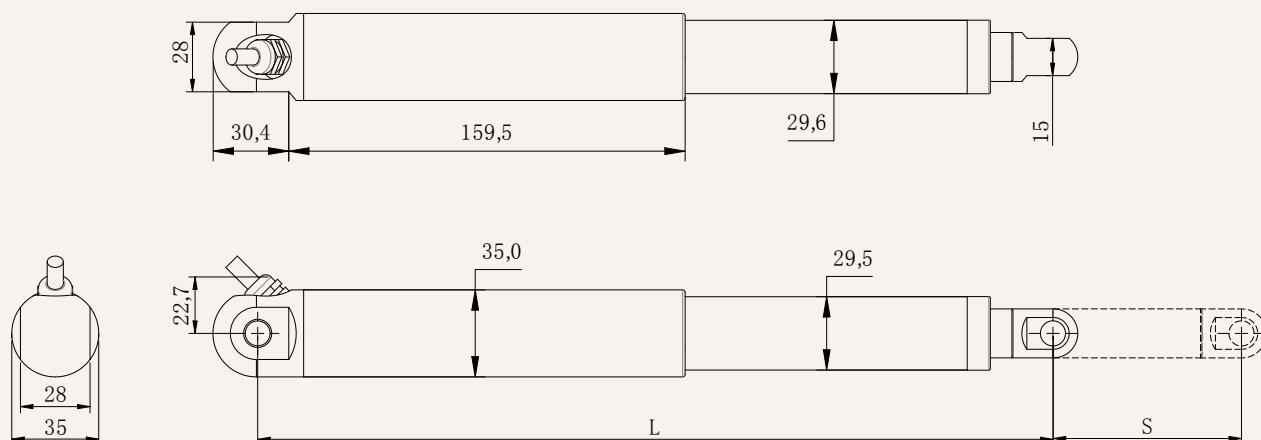
1. Industrial
2. Construction
3. Ventilation
4. Automotive

KC36 has the same design as KC35. They are in-line/tube style linear actuators, suitable for installation in narrow space. It can withstand high temperature, high-pressure water impact, As well as the entry of dust and other solid pollutants, it is designed for construction machinery, ventilation systems, or food and beverage automation equipment, etc.

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:	80Nm
Static Torque:	160Nm
Color:	Black
Noise:	62DB
Quality Management:	ISO9001-2008, certified by CE and ROHS
Ambient temp. Range:	-45 ° C ~ + 75 ° C
Operating Temp. Range:	+5 ° C ~ + 45 ° C
Protection Level:	IP54
Screw Type:	Trapezoidal
Option for Control System:	Individual control(using Geming controller)
Material:	SS304 inner tube,and metal gear box
Limit Switch:	Built-in at both ends(not adjustable)

Drawings

Dimension
(MM)



S: Stroke

L: Retracted length

$L = \text{Stroke} + 220\text{mm}$

When stroke $\geq 300\text{mm}$, $L = \text{Stroke} + 250\text{MM}$

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	1000	1000	1000	2.4	5.0	3.9
B	800	800	800	2.4	6.0	5.1
C	600	600	600	2.2	10.0	11.2
D	400	400	400	1.8	25.0	20.6
E	200	200	200	1.6	30.0	25.0
Voltage (24V DC)						
F	1000	1000	1200	1.8	5.0	3.9
G	800	800	1000	1.8	6.0	5.1
H	600	600	500	1.5	10.0	11.2
K	400	400	400	1.2	25.0	20.6
L	200	200	100	1.0	30.0	25.0

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)
1000	25-400
<=600	25-600
<=300	25-800

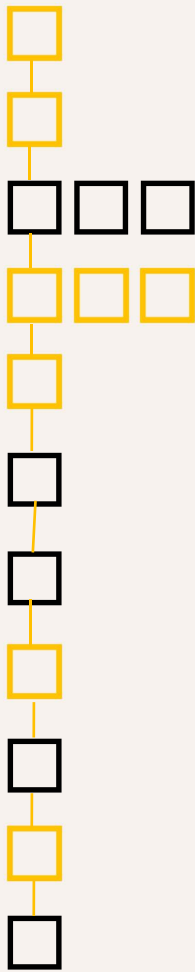
Reference Chart

HTKC36 Model	Load $\pm 10\%$ (N)					Speed ± 2 (mm / sec)				
Load	1000	800	600	400	200					
Speed	05	06	10	25	30					
HTKC36 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

HTKC36



Voltage	12=12V DC	24=24V DC		
Speed(mm/s)	Refer to page 3			
Stroke(mm)				
Retracted Length(mm)	Refer to page 3			
Load(N)	Refer to page 3			
Front Attachment Refer to page 5	1 = Normal, Aperture 8.5 3 = U shape, width 8mm,dia 8.5mm 5 = O type, width 14mm, dia 8.5mm	2 = Normal, dia 10.5mm 4 = U shape, width 8mm, dia 10.5mm 6 = O type, width 14mm, dia 10.5mm		
Rear Attachment refer to page 5	1 = normal, dia 8.5mm	2 =normal, dia 10.5mm		
Wire/Plug Refer to page 5	1 = stripped wire 3 = 4 pin 0° straight plug	2 = 4 pin 90° curved plug 4 = 6 pin 0° straight plug		
Screw	P=Trapezoidal			
Signal Output	N = No			
Wire Length	1 = 600mm	2 = 1000mm	3 = 1500mm	4 = customized
Eg.: voltage 12V DC, stroke 100MM, speed 5MM/s, load 800N Code: HTKC36-12-5-100-320 / 420-B-1-1-1-P-N-1				

Statement

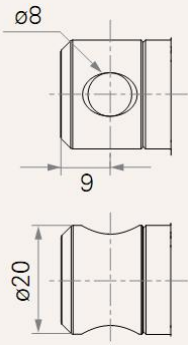
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HTKC36 Reference Chart for Attachment

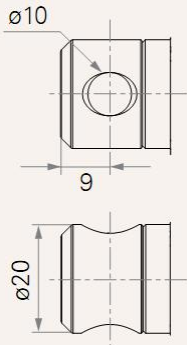


Front Attachment

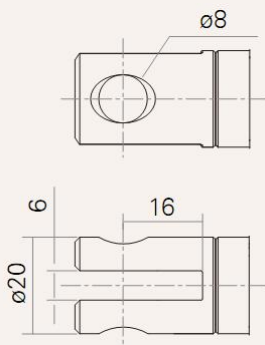
1=Normal, Aperture 8.5



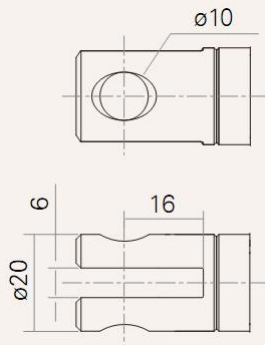
2=Normal, Aperture 10.5



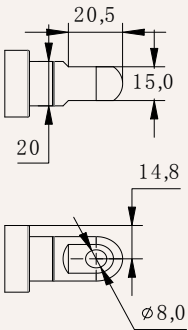
3=U-type slot , width 6.1
Depth 16.0, aperture 8.5



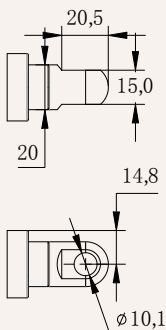
4=U-type slot , width 6.1
Depth 16.0, aperture 10.0



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



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

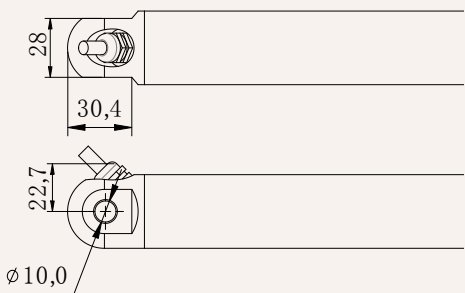


7=

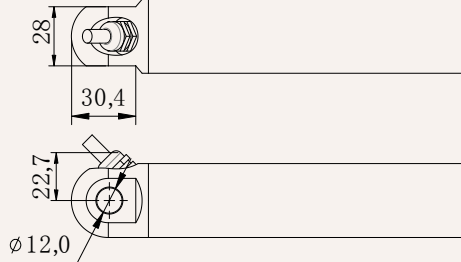
8=

Rear Attachment

1=0 degree, Aperture 10.0mm

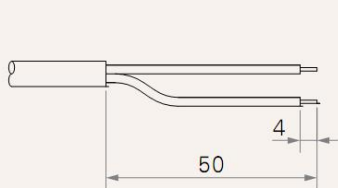


2=0 degree, Aperture 12.0mm

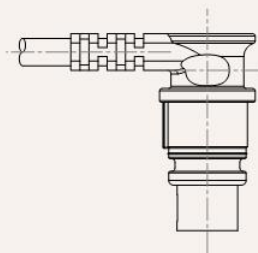


Wire / Plug

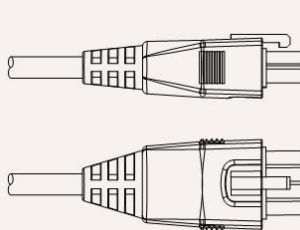
1= stripped wire



2 = 4 pin 90° curved plug



3 =4 pin 0° straight plug



4 = 6 pin 0° straight plug

