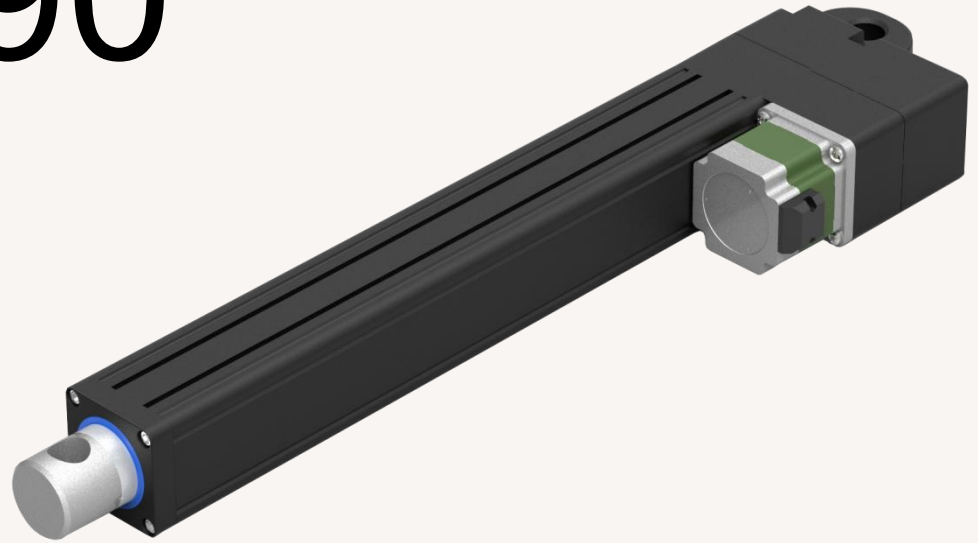


# HTW90

Series model

Linear Actuator

Patent number query



## APPLICATIONS

1. Industrial application
2. Agricultural machinery
3. Military applications
4. Mining applications
5. Photovoltaic applications

HTW90 is a linear actuator specially designed for harsh industrial environments, especially suitable for some mechanical equipment with a large amount of wear and a longer service life, such as mining and photovoltaic industrial applications. If you are looking for actuators that can be used in harsh industrial environments, yet meet stringent specifications, smart electromechanical actuators feature on-board electronics and a smart control system. With higher power up to 60 kN, switching possibilities for more hydraulic steering electric applications. HTW90 would be the best choice!

## PRODUCT FEATURES

	Brushless Motor
Voltage:	24V DC or 48V, or 220V DC
Maximum push (pull):	50,000N
Speed at full load:	4.mm / s (load 50,000N)
Minimum installation size:	Stroke + 350mm Stroke + 400mm(Stroke >400 MM)
Dynamic Lateral Moment:	500Nm
Static Lateral Moment:	850Nm
color:	black, choice
safety certificate:	obey ISO9001-2008,
range of working temperature:	-35 ° C ~ + 75 ° C
Protection class:	IP66
Screw selection:	Trapezoidal screw, ball screw
other options:	Hall sensor, SR485 signal,
Control options:	-----
CE and RoHS compliant, compact size for small space applications	High-strength metal zinc alloy gearbox and housing, External limit switch (adjustable travel demand)

# ACTUATORS FOR HEAVY INDUSTRIAL EQUIPMENT APPLICATIONS

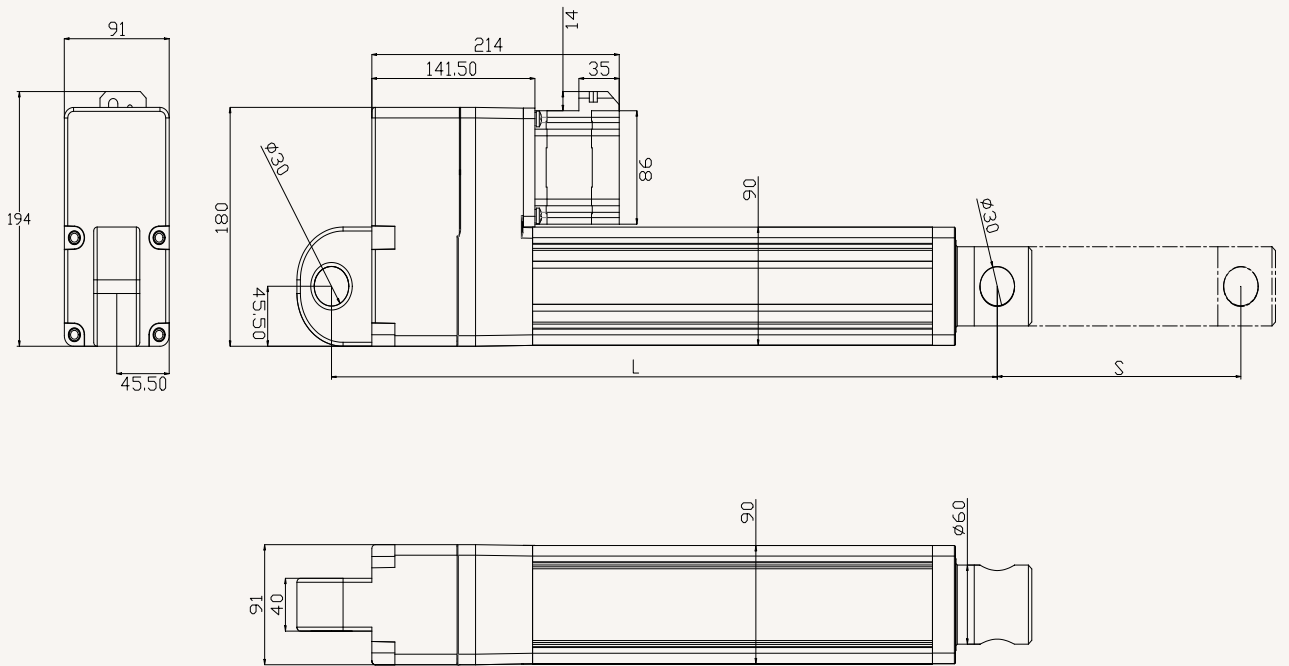
Forward and backward, movement of concave head, concave adjustment

Absolute crop head speed regulation

The actuator provides a high degree of flexibility and smooth motion control for heavy industrial equipment. They ensure that interactive application elements in all cases are combined into a single unit, User-friendly adjustment and easy-to-change settings between crops Unleash its ruggedness and long applicability with GeMinG actuators Also provides ideal expected performance for heavy machinery

DRAWINGS

Standard size  
(MM)



S: Stroke

L: Retracted length

L=Stroke + 350mm

More than 400MM stroke, installation size L=Stroke + 400MM

Lower end angle (installation method):

2=90°

1=0°

LOAD AND SPEED						
Code	Rated load		self-locking force	specified load	output speed	Rated load
	Thrust N	Pull N	static static N	Current A	no load 24V DC mm/s	24V DC mm/s
Motor voltage (48V DC)						
A	100,000	100,000	120,000	16	2.8	2.5
B	50,000	50,000	80,000	16	5.5	5.0
C	35,000	35,000	35,000	16	9.2	8.3
D	24,000	24,000	24,000	16	14	13
E	18,000	18,000	18,000	16	18	17
F	12,000	12,000	12,000	16	28	27
G	6,000	6,000	6,000	16	55	50
Motor voltage (220V DC)						
A	100,000	100,000	120,000	5	2.8	2.5
B	50,000	50,000	80,000	5	5.5	5.0
C	35,000	35,000	35,000	5	9.2	8.3
D	24,000	24,000	24,000	5	14	13
E	18,000	18,000	18,000	5	18	17

Remark

1. The speed and current on the left side are the materials that are stretched out when they are thrust.
2. For 48V and 220V motors, the speed is about the same, and the current is about twice.
3. The self-locking force data are matched with each other.

REFERENCE CHART

HTW90 Series	load±10% (N)					Speed ± 2 (mm / sec)			
load	100,000	50,000	45,000	34,000	18,000	12,000	6,000		
Speed	2.8	5.5	9	14	18	28	55		
HTW90 Series	Stroke ± 2 (mm)					Installation size ± 2 (mm)			
Stroke	80	100	150	200	250	300	350	400	450
Size	340	360	410	460	510	560	610	700	750

Remark

1. The above data is plus or minus about 10%, and the dashed part of the graph is usually not recommended. Be careful when choosing! Usually higher selectivity, load 26000N, speed 5mm sec.
2. Calculation method of stroke and installation size: Example: stroke is 100 mm, the shortest installation size is equal to 360 mm, and the maximum size after extension is equal to 460 mm.
3. Add 300mm to the installation dimension for strokes exceeding 400mm, for example: the stroke is 400mm, the shortest installation dimension is equal to 700mm, and the maximum dimension after extension is equal to 1100mm.

HTW90

	Voltage	24=24V DC, 48=48V DC, 220=220V DC		
	Speed(mm/s)	Please refer to page 3		
  	Stroke(mm)			
  	Installation.Size (mm)	Note: Please refer to the valid schedule before choosing a size Please refer to page 2		
	load(n)	Please refer to page 3		
	Upper type See page 5	1 = Normal type, bore 30mm 2 = Normal type, bore 30mm 3 = U-shaped, slot width 10mm, slot depth 50mm, hole diameter 30mm 4 = U-shaped, slot width 15mm, slot depth 50mm, hole diameter 30mm 5 = O type, slot width 22mm, hole diameter 30mm 6 = O type, slot width 30mm, hole diameter 30mm 7 = spherical plain bearing, bore 30mm, type GS30 8 = spherical plain bearing, bore 45mm, type GS45		
				
	lower type	Same as above, same selection as upper type		
	Outlet type See page 5	1 = bare wire 3 = Four-pin straight	2 = Four-pin angled plug 4 = Six-pin straight	
	Screw Options	G=Ball screw (preferred)	P = Trapezoidal screw	
	Control method	A =No control	B=Integrated control	C = Hall control      D= Customized
	Signal output	N = None	H =Hall sensor	D =
	line length	1 = 600mm	2 = 1000mm	3 =1500mm      4 = Customized
For example: Voltage: 48V DC, stroke 100MM. Regular installation stroke 100+ original size 200. Speed 5MM/S, load 60,000N, Code: HTW90-48-05-100-360 / 460-5-A-1-G-A-1				

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