

## Technical data



Available input voltages [Vdc]	12, 24 or 36
Available screw types	Acme or Ball
Max. static load at fully retracted [N]	
Acme screw models	11 350
Ball screw models	18 000
Min. / max. standard stroke [inch]	4 / 24
Duty cycle @ 25° C [%]	25
Temperature limits at operation [°C]	- 25 to + 65
Protection degree	IP65
Max. end play [mm]	1
Restraining torque [Nm]	11,3
Wire cross section [mm <sup>2</sup> ]	2
Wire length [mm]	165
Connector included	yes

## Features

- Rugged and robust
- Weather resistant (IP65)
- Withstand 96 hour salt spray test
- Overload clutch (set to 1,2 – 1,5 × max. permissible load)
- Motor with auto reset thermal overload protection
- Acme or ball screw drive
- Holding brake prevents back driving on ball screw models
- Acme screw models are self-locking
- Safety nut on all ball screw models
- Can operate in a large temperature range
- Accepts large input voltage variations
- Maintenance free

## Options

- Potentiometer feedback
- Hand wind
- Custom RAL color

## Performance table

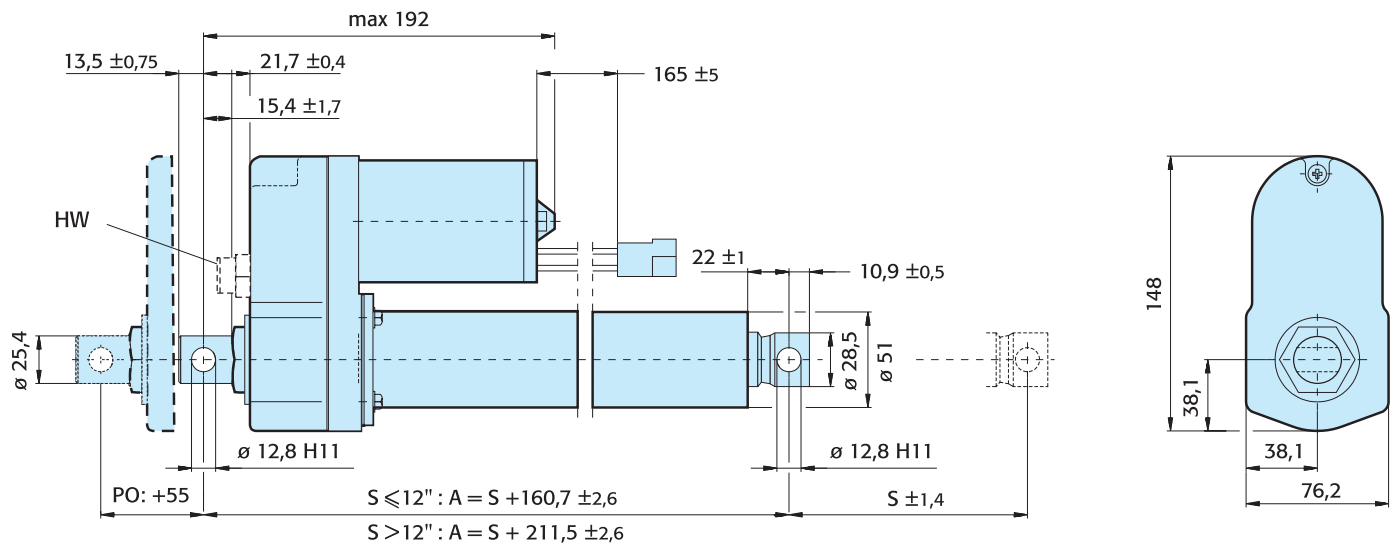
Model	Max. dynamic load [N]	Speed @ min. load [mm/s]	Speed @ max. load [mm/s]
D12-05A5	1100	54	32
D24-05A5	1100	54	32
D12-05B5	2250	61	37
D24-05B5	2250	61	37
D12-10A5	2250	30	18
D24-10A5	2250	30	18
D12-10B5	4500	30	19
D24-10B5	4500	30	19
D12-20A5	2250	15	12
D24-20A5	2250	15	12
D12-20B5	4500	15	12
D24-20B5	4500	15	12
D12-21B5	6800	15	11
D24-21B5	6800	15	11

## Standard strokes

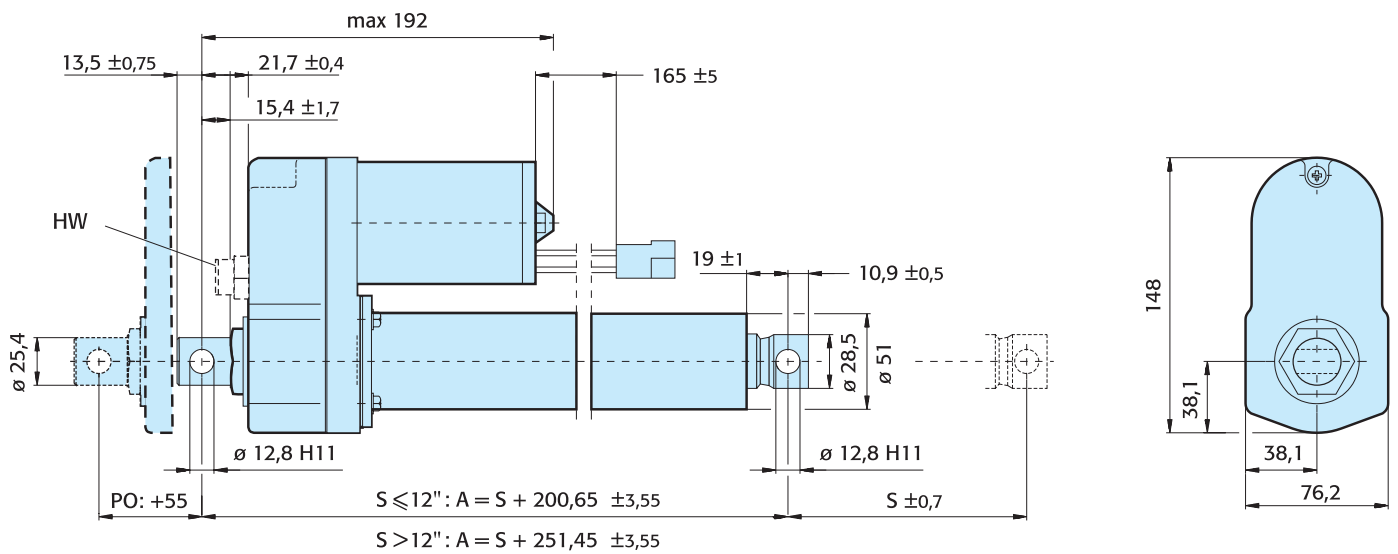
Ordering stroke [inch]	Actual stroke S [mm]
4	102
6	152
8	203
10	254
12	305
14	356
16	406
18	457
20	508
24	610

## Dimensions

### Acme screw driven models



### Ball screw driven models



## Performance diagrams

