



IDM8-20BE Industrial Electric Actuator

The IDM8-20BE electric actuator is a compact design for industrial applications. The units are fitted with high quality 12v or 24v DC motors for long term reliability.



IDM8-20BE

Industrial Actuator

Features

- High Efficiency Acme Screw
- Protection up to IP69
- No Limit switch
- Lubricated for life
- Mechanical overload protection
- Enhanced Corrosion resistance
- Power Coated Steel outer tube
- Thrust Rod Stainless steel
- Powder coated Aluminium Alloy Housing
- Salt Spray test ISO 9227 201 2, 250 hours



Specification			
Input Voltage	12 / 24 / 48 VDC		
Load Capacity	1500N	2500N	4500N
Limit switches	Not fitted	Not fitted	Not fitted
Maximum Pull/Push limited by internal clutch	2600N	3800N	6300N
Static Load (maximum)	14,000N		
Stroke Length	100, 150, 200, 250, 300, 400, 450, 500, 600, 700mm		
Speed at Full Load	25.5mm/s	19mm/s	11 mm/s
Speed at No Load	29mm/s	22mm/s	13mm/s
Current Consumption 12v DC	12.5A	15A	17A
Current Consumption 24v DC	5A	6.5A	8A
Duty Cycle	10% (12v) 20% (24v)		
Operating Temperature Range	-40 to +85°C		
Protection	IP69K/66M		

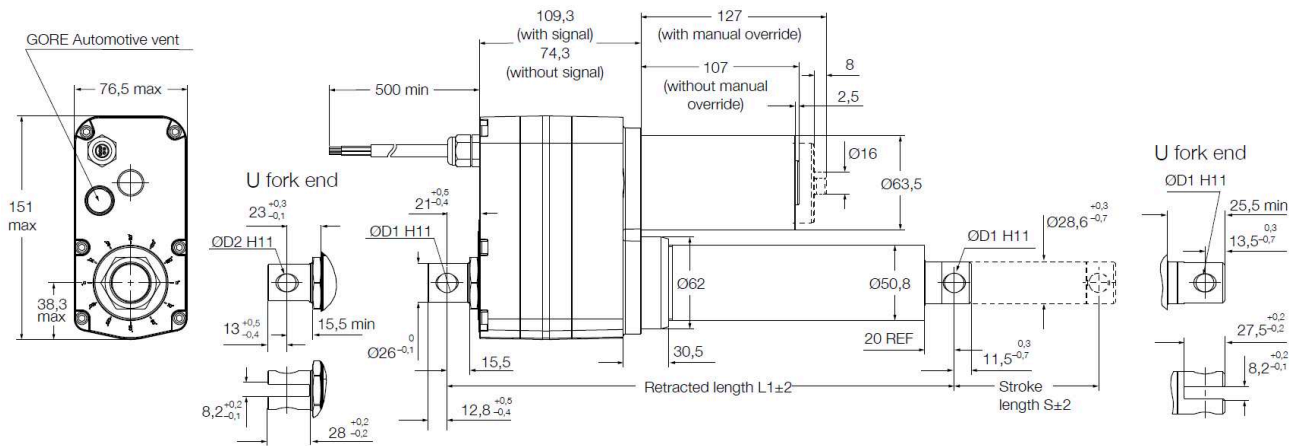
Terms of use - Product details subject to change without notice



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Dimensions

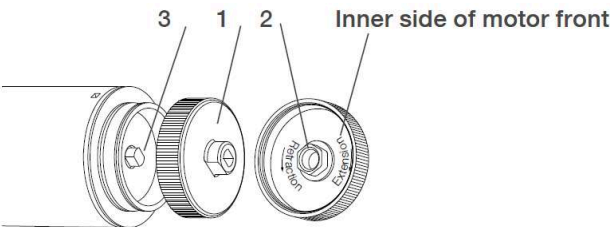


Stroke Length (S) (mm)	100	150	200	250	300	350	400	450	500	600	700
Retracted Length (L1)	260	310	360	410	460	561	611	661	711	811	911
Retracted Length (L1) Fitted with feedback	295	345	395	445	495	596	646	696	746	846	946

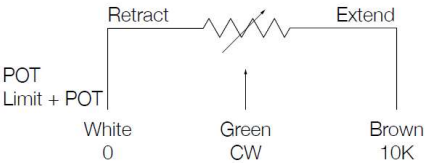
Closed length increases by 12mm for units fitted with Clevis ends

Manual override

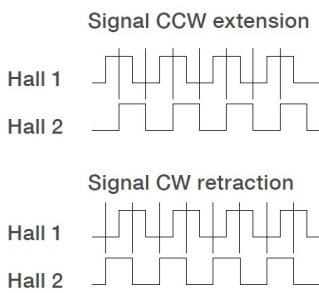
Release the motor cover (1). Use the slot (2) to Rotate the motor shaft(3) in the required direction



Potentiometer feedback



Encoder feedback

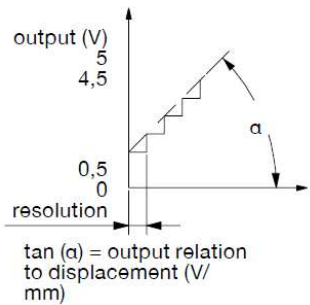


Encoder supply voltage: 5v DC

Absolute analogue position output

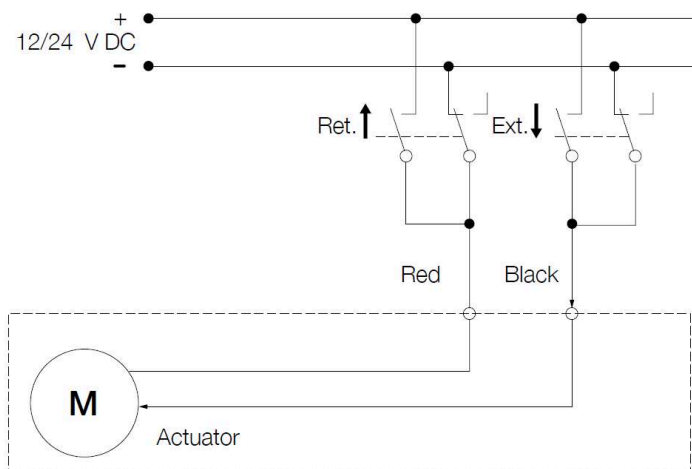
Input voltage: 1 0-55v DC
Current consumption: 1 5mA max.
Output analogue signal: 0-5v DC

Absolute analogue output setup:
Retracted 0.5± 0.1 5v
Extended 4.5v to the maximum



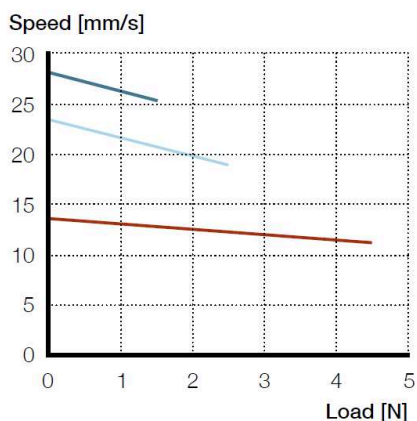
Wiring Details

No limit switches (Unit fitted with mechanical overload protection)

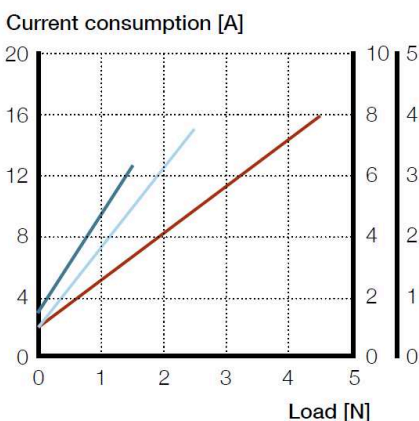


Performance diagrams

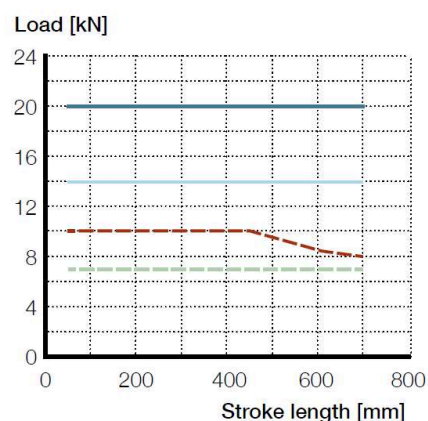
Speed-load diagram



Current load diagram



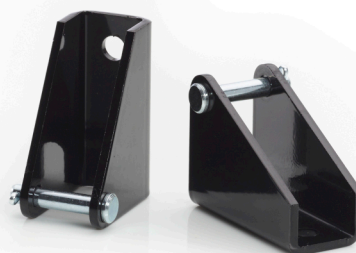
Static load diagram



- Rated Push Force 1500N
- Rated Push Force 2500N
- Rated Push Force 4500N

- - - Maximum Static Push
- Maximum Static Pull

- - - Recommended Static Push
- Recommended Static Pull



Optional Mounting Brackets

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View IDM8-20BE Industrial Actuator Online Visit:
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Contact

Our specialist team are always ready to listen and help, please drop us an email or call to talk with the team.

Address.

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