Bansbach easylift

easyE-35 / 35i &
easyE-50 / 50i
for submerged use

Under Water Actuators

The Bansbach UW100-series of actuators are developed and tested for under water applications down to 100 m. The actuators come in stainless steel (AISI316) and have extra sealing to protect against the high water pressure.

easyE-35 / 35i
Speed and Force

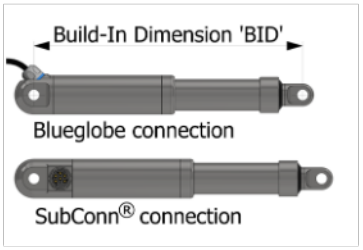
Gear ratio	E / 19	F / 27	G / 51	H / 71
easyE-35 / 35i — *24VDC power supply (max. 28VDC), permanent magnet motor, 1,8ADC (2,5ADC for 35i)*				
Force 24V (dyn. push and pull) [N]	300	500	1300	1900
Speed at maximum load [mm/s]	12	7,5	4	3
12VDC power supply (max. 14VDC, permanent magnet motor, 3,6ADC (4,0ADC for 35i)				
Force 12V (dyn. push and pull) [N]	300	500	1100	1900
Speed at maximum load [mm/s]	9	7,5	3,5	2,5
Maximum load is specified at 100 meter water pressure, higher forces can be expected at lower pressure				

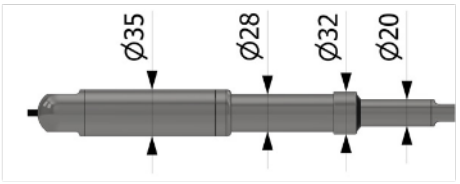
Stroke length is limited to **max. 400mm.**
Hall sensor included in all models.

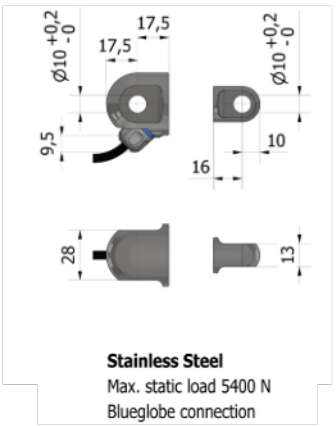
Dimensions

	Standard
Gear ratio E/19, F/27	Stroke + 201
Gear ratio G/51, H/71	Stroke + 211

Axial backlash: +/- 0.5mm, General dimensional variation: +/- 1mm







Stainless Steel
Max. static load 5400 N
Blueglobe connection

easyE-50 / 50i
Speed and Force

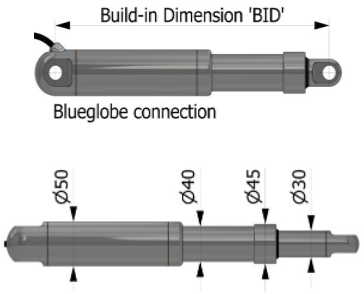
Gear ratio	D / 14	E / 17	F / 24	G / 49	H / 84
easyE-50 / 50i	*24VDC power supply (max. 28VDC), permanent magnet motor, 14-24: 8ADC, 49: 7ADC, 84: 4,5ADC*				
Force 24V (dyn. push and pull) [N]	1050	1500	2400	3800	4500
Speed at maximum load [mm/s]	20	17	12	6	4
	12VDC power supply (max. 14VDC), permanent magnet motor, 14-24: 16ADC, 49: 14ADC, 84: 9ADC				
Force 12V (dyn. push and pull) [N]	750	1200	1700	3800	4500
Speed at maximum load [mm/s]	14	10	6	3	3,5
Maximum load is specified at 100 meter water pressure, higher forces can be expected at lower pressure					

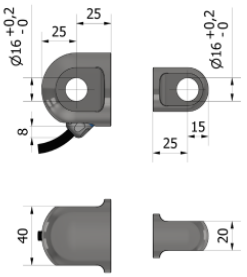
Stroke length is limited to **max. 400mm.**
Hall sensor included in all models.

Dimensions

	Standard
Gear ratio D/14, E/17, F/24	Stroke + 291
Gear ratio G/49, H/84	Stroke + 306

Axial backlash: +/- 0.5mm, General dimensional variation: +/- 1mm





Stainless Steel
Max. static load 16800 N

General information

- The water tightness covers the actuator including cable. Connector or open ends are not covered by this classification.

Blueglobe gland

Recommendations and warnings

- Never expose the actuator to hammer strike during installation or in other situations.
- Retrofitted bushings should be pressed into the bracketborings. No hammering.
- Power supply without over-current protection can cause serious damage to the actuator at mechanical end-stop or when actuator is overloaded in another way.
- Keep piston tube clean.
- Longer cable lengths may cause voltage drop which affects the performance of the actuator.
- Function of the actuator is subject to the settings of the controller. If using your own controller please contact Bansbach.
- All specifications are for 25 ºC ambient – low temperature might affect performance.
- Depending on load and application, nominal and actual stroke length may differ due to internal disc springs not being fully compressed.
- The combination of gearing and stroke can cause limitations in the use of „End limit FW“ when using the S2-30 control. See more in the datasheet for S2-30.
- The actuator is not rotationally secured.

Bansbach easylift GmbH

Barbarossastraße 8
D-73547 Lorch

Tel. +49 (0) 7172/9107-0
Fax +49 (0) 7172/9107-44

info@bansbach.de
www.bansbach.de

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