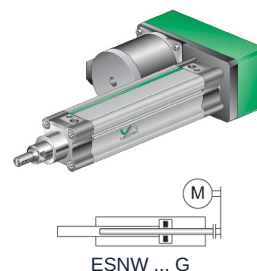
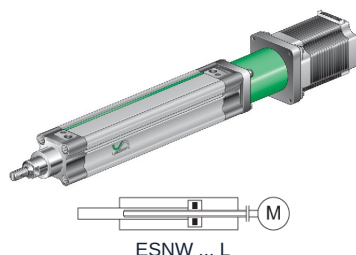


Electrically actuated cylinder with Accessories Series ESNW



Design type	Electrically actuated cylinder optional linear direct actuated or rather parallel with gearbox.
Heads	High-pressure die casting Aluminium alloy
Piston rod	Steel chrome-plated
Cylinder tube	Aluminium profile hard anodized
Seals	Polyurethane
Ambient temperature	-10°C up to +80°C
Lubrication	not necessary
Note	Technical documentation for accessories see separate data sheet The cylinder with diameter 32 mm requires an anti-rotation device for the piston rod, otherwise the piston rod will rotate as well.. Can also be implemented with the linear unit of the GL series.

Type code

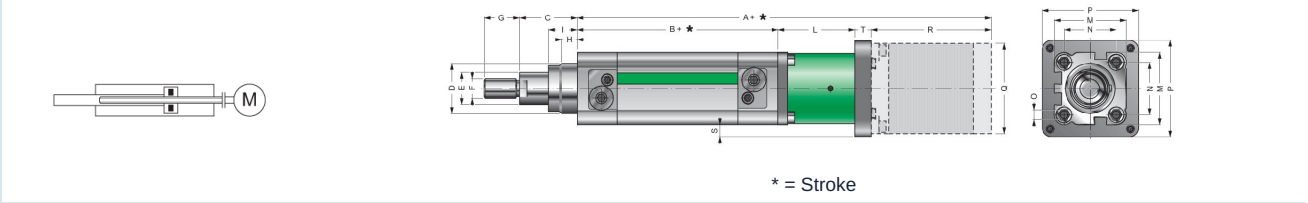
ESNW	__ /	---	---	---	---	---
	32 Ø32	Stroke [mm]	height	Thread pitch	L linear direct-driven	Mwith stepper motor
	50 Ø50		050 5 mm		G parallel with gearbox	Motor torque
			127 12,7 mm			16 1,6 Nm
						46 4,6 Nm
						76 7,6 Nm

Standard strokes

Ø	50	100	150	200	250	300	350	400	450	500	550	600
32	•	•	•	•	•	•	•	•				
50	•	•	•	•	•	•	•	•	•	•	•	•
Special stroke on request												

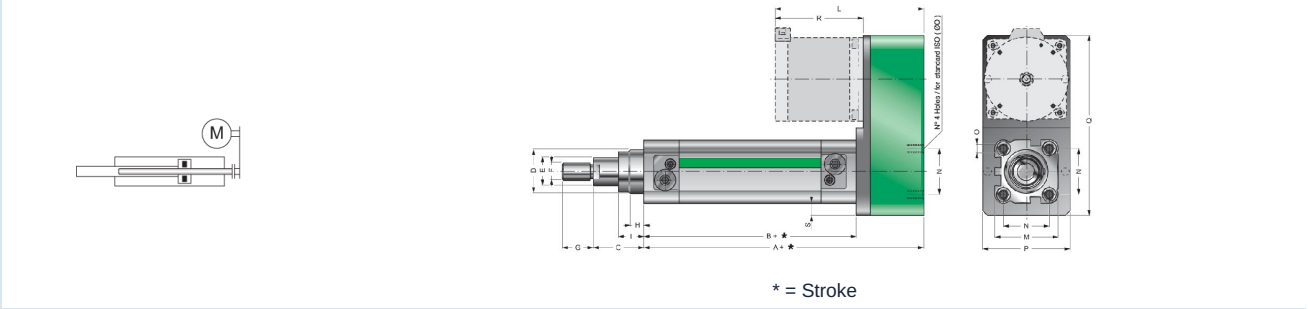


ESNW ... L linear direct actuated



Ø	A	B	C	ØD	ØE	ØF	G	H	I	L	M	N	ØO	P	ØQ	R	S	T	Type
32 (M16)	279,5	137	26,5	30	20	M10x1,25	22	10	18	48	45	32,5	M6	60	57,2	78,5	7,5	10	ESNW 32/... L M16
50 (M46)	303	149	38	40	20	M16x1,5	32	12,1	28	48	64	46,5	M8	86	86	94	11	12	ESNW 50/... L M46
50 (M76)	341	149	38	40	20	M16x1,5	32	12,1	28	48	64	46,5	M8	86	86	132	11	12	ESNW 50/... L M76

ESNW ... G parallel with gearbox



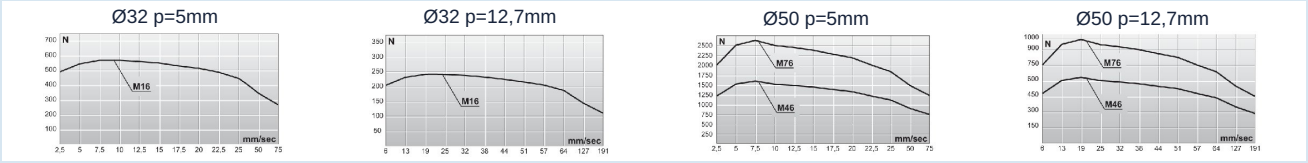
Ø	A	B	C	ØD	ØE	ØF	G	H	I	L	M	N	ØO	P	Q	R	S	Type
32 (M16)	191	143	26,5	30	20	M10x1,25	22	10	18	117	45	32,5	M6	60	110	78,5	1,5	ESNW 32/... G M16
50 (M46)	214	149	38	40	20	M16x1,5	32	12,1	28	147	64	46,5	M8	86	170	94	8	ESNW 50/... G M46
50 (M76)	214	149	38	40	20	M16x1,5	32	12,1	28	185	64	46,5	M8	86	175	132	8	ESNW 50/... G M76

Linear unit

Dimensions see separate data sheets linear unit series GLC or series GLH

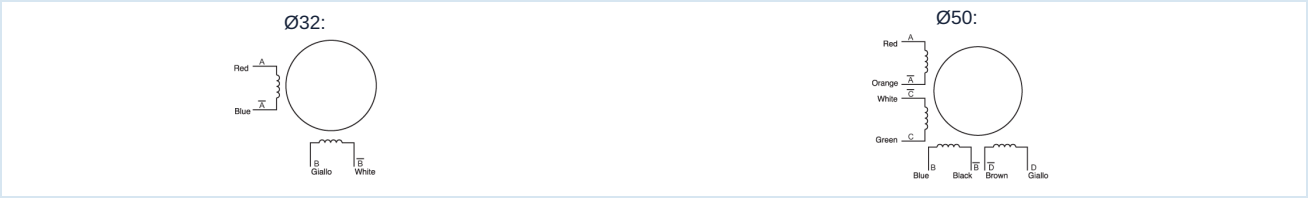
GL	—	---	---	---
	C Type C	32 Ø32	Stroke [mm]	BS with brass bushing (only GLHE)
	H Type H	50 Ø50		BB with ball bearing (only GLHE)

Dynamic performance data, p=Thread pitch height



	Ø32 p=5mm	Ø32 p=12,7mm	Ø50 p=5mm	Ø50 p=12,7mm
max. dynamic load [N]	4100	5250	4100	5250
max. static load [N]	7100	9000	7100	9000
max. Axial force [N]	M16 = 570	M16 = 220	M46 = 1600, M76 = 2600	M46 = 640, M76 = 1000
max. Speed [mm/sec.]	75	190	75	190
max. permissible torque [Nm]	2	2	7,5	7,5

Stepper motors electrical specification



	MP 2331-M16 (Ø32)	MP 3438-M46 (Ø50)	MP 3451-M76 (Ø50)
Quantity Phases	2	4	4
Voltage [V]	5	2,76	5,64
Current [A]	1,8	4,6	6
Resistance per phase [Ohm]	2,75	0,6 ±10%	0,94 ±10%
Induction per phase [mH]	10,8	2,7 ±20%	4,5 ±20%

Illustrations non-binding
Design, dimensional and material changes reserved