



GENERAL INFORMATION

The OTTO 1000-4 model is equipped as standard with a dynamic self-locking gear and an extra safety catch integrated in the gearbox. The equipment with a dynamic self-locking gear allows the operation without brakes. It ensures a smooth deceleration of the load even in the event of a power failure. Since brakes are not required, the hoist requires less maintenance.

APPLICATIONS

Suited for a wide range of applications such as arenas, studios, theatres, operas, multipurpose venues and more.

REGULATIONS

- DGUV V17/18
- EN 17206
- SIL3 (if supplied with ASM control)

FEATURES

- Max travel: up to 40 m (longer travel possible on request)
- Load capacity: up to 1000 kg
- Speed: up to 4 m/min
- Equipped with one 1,5 kW motor
- Silent and smooth running
- Compact dimensions
- Optimal capacity to own weight ratio
- Equipped with a monitored loadcell for load measurement, a dynamic irreversible gearbox and an extra safety catch integrated in the gearbox
- The special X-drive chain wheel ensures smooth running, virtually eliminating the bounce associated with conventional square chain wheel
- Delivered with four easily accessible handles for simple mounting
- Supplied with an EN normed eyelet, hook on request
- All ASM Otto hoists can easily be converted from lifting to self-climbing operation
- Double-reeved operation possible

Otto 1000-4 Model

The Otto 1000-4 model is part of a wider range of Otto chain hoists. As ASM engineered each hoist to their fullest capacity, each model has their specific composition which cannot be altered. Special models can be offered on request.

	Speed in m/min	Travel in m	ELL in kg
Otto 1000-4	4	40	1000

TECHNICAL DATA

MODEL	Otto 1000-4-SIL3 without PowerPack	Otto 1000-4-GSG-SIL3 with PowerPack
Type	SIL3	GSG-SIL3
Operating Mode	Synchronous (ready)	Synchronous
Regulation	DGUV V17 (before BGV C1), DIN EN 17206	
SIL Level	SIL 3 ready	SIL3
Hoist Capacity on Chain	Up to 1000 kg	
Max Travel	Up to 40 m	
Max Speed	Up to 4 m/min	
Variable Speed	Yes, depending on control	Yes
Duty Cycle	Up to 50% / 50 Hz	
Noise Level	Approx. 55 dBA	
No. of Drops	1	
Load Bearing Line	Chain 10 x 28 mm (not included)	
Load Carrying Device	Standard supplied with eyelet (hook – on request)	
Type of Material - Chassis	Steel	
Chassis Colour	Black	
Type of Material - Cover	Rubber	
Cover Colour	Black	
Safety System	Dynamic irreversible gearbox	
Installation Method	Hanging/ climbing	
Gearbox Type	TS-10 i=99	
Gearbox Design	Worm	
Gearbox Safety	Safety catch	
Motor Type	1 x noise reduced asynchronous. 2 pol	
Motor Performance	1,5 kW	
Limit Switch	4 track (Stromag) DGUV V17 (2 x operational limits + 2 x absolute limits)	
Encoder System	2 x absolute encoders (SSI Interface)	2 x absolute encoders (SSI interface)
Load Sensing (total load)	Load cell 4-20 mA	
Underload Detection	Yes, depending on control	Yes
Type of Hoist Control	Not supplied	ASM GENESIS SIL3

TECHNICAL DATA (CONTINUED)

MODEL	Otto 1000-4-SIL3 Without PowerPack	Otto 1000-4-GSG-SIL3 With PowerPack
Type	SIL 3	GSG-SIL3
Position of Hoist Control	Not supplied	External ASM PowerPack
Control Equipment	None	GENESIS SIL3 PowerPack (16 kHz) with ASM TWINCORE SIL3 axis card, E-stop management and frequency inverter (4 kW)
Cable Interface	ASM standard terminal interface incl. wiring scheme (75 cm cable set, cable outlet with Harting connectors)	ASM standard connection cable between hoist and PowerPack (75 cm cable set from hoist to PowerPack, cable outlet with Harting connectors on PowerPack side)
Main/Motor Supply	U1 / V1 / W1 / PE (400 V 50/60 Hz)	3 PH / N / PE (400 V 50/60 Hz) via external ASM PowerPack
Power Cable	Not supplied	1,5 m CEE 5 PIN-16 A
Dimension HxWxD	331 mm x 393 mm x 497 mm (without chain bag and external PowerPack)	
Weight	58 kg (without chain, chain equipment and external PowerPack)	
Including	Eyelet	
	Documentation	

OPTIONS

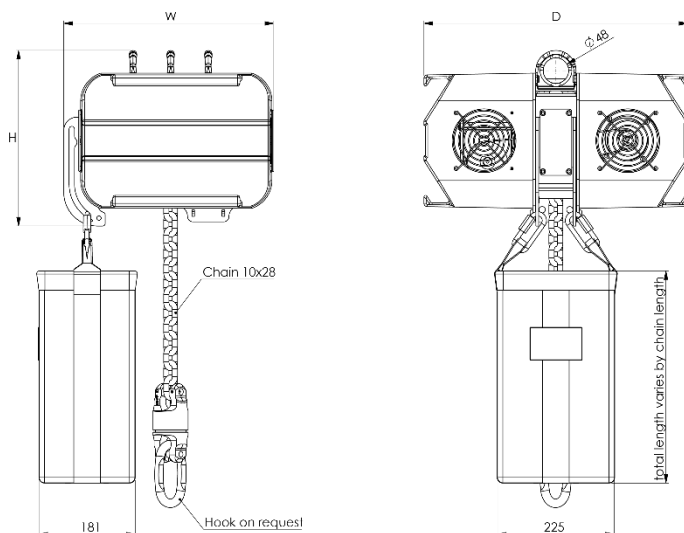
- Longer travel possible on request
- Hook supplied on request
- PowerPack can be mounted directly on the hoist
- Longer travel possible
- Double-reeved operation possible on request

Otto 1000 - 4 m/min

CHAIN HOIST

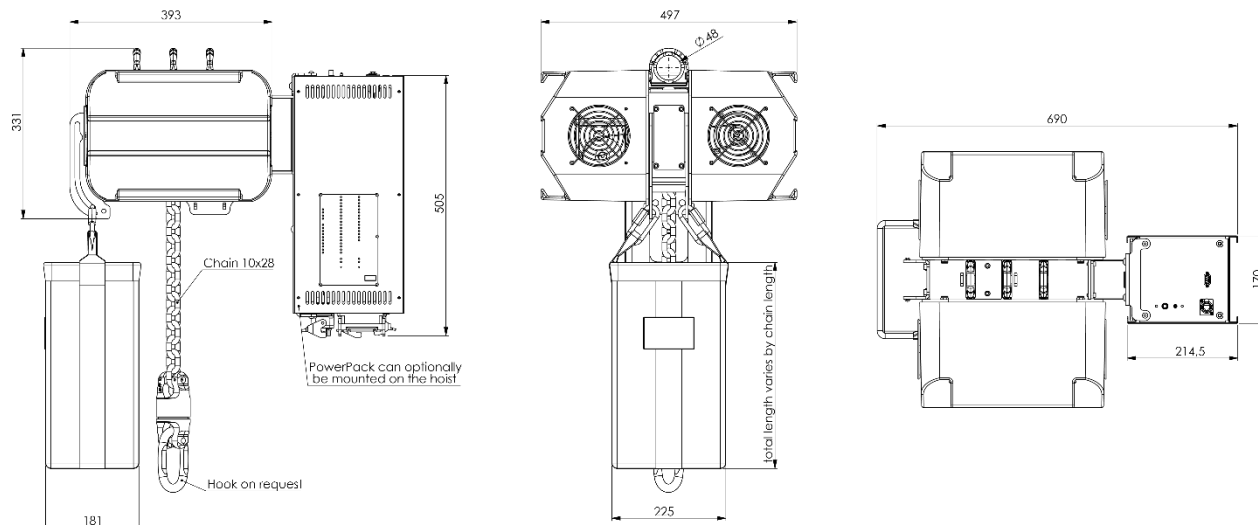


DIMENSIONS



without chain bag and Powerpack	Otto 1000-4
Height	331 mm
Width	393 mm
Depth	497 mm
Weight	58 kg

DIMENSIONS WITH COMPATIBLE ASM GENESIS SIL3 POWERPACK



without chain bag	Otto 1000-4 With PowerPack
Height	505 mm
Width	690 mm
Depth	497 mm
Weight	~ 78 kg



ASM Steuerungstechnik GmbH

Otto-Lilienthal-Straße 14 · 33181 Bad Wünnenberg-Haaren · Germany

Phone: +49 2957 985110 · Mail: info@asm-stage.de · www.asm-stage.de

Note: Specifications subject to change without notice. ASM shall not be liable for any inaccuracies or omissions which may occur therein. GTC apply. commercial register HRB235. magistrates court Paderborn. DS/CH.01000-4/EN/020724 ©ASM Steuerungstechnik GmbH.