

PRODUCT DATA SHEET

CHAIN HOIST 250KG ULTRA LV ACCORDING D8PLUS

Model number basic hoist	CM-960253
Voltage / Frequency	208V / 60Hz
Speed	16 ft/min
Version	contactor control



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Table of contents

1. General Description	3
2. Technical Data	4
2.1. Data Sheet	4
Features.....	4
Options/ accessories.....	4
Technical data.....	4
Electrical data	4
3. Dimension Sheet.....	5
3.1. Climbing hoist – single hole suspension plate	5
3.2. Single hole suspension plate & hook suspension.....	6
3.3. Hook tackle	7

List of figures

Figure 1	Climbing hoist – single hole suspension plate	5
Figure 2	Single hole suspension plate & hook suspension	6
Figure 3	Hook tackle	7

Revision administration

Rev.	Date	File name	Author	Description
1.0	05.08.2026	DS_CH_D8PLUS_LK_SB1.1-81_250kg_16ft_1f_208V-60Hz_CCAC.docx	M.Pohl	Initial creation

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1. General Description

General Description

On the road or fixed installations in studios, halls, theatres and shows – CHAINMASTER chain hoists are worldwide established in the entertainment sector.

Depending on the load case and the combination of CHAINMASTER control systems, extensive projects regarding safety requirements can be fulfilled.

Customized special design for all imaginable cases of application rounds up the world-wide most extensive offer of chain hoists – Made by CHAINMASTER.

According to D8Plus, the chain hoist with 250 kg is equipped with two independently acting brakes, an operating brake and a safety brake. Both brakes are DC brakes. They operate according to the closed-circuit current principle. In the event of a power failure, the brakes apply automatically so that the load is held safely in any position.

The chain hoist is equipped with a sliding clutch, which serves to protect the drive. Electronic overload and underload monitoring can be integrated. Optionally, the chain hoist can be equipped with an incremental encoder, which then enables positioning with millimeter accuracy with the corresponding control.

For the chain hoist a high-strength round steel chain according to EN818-7 with a hook tackle and a lift limiter as well as a textile chain bag is used. Safe chain entry and exit is ensured by a polyamide chain guide plate.

The robust and compact housing made of cast aluminum alloy is finished with a semi-gloss RAL 9005 (black) paint and is optionally available in other RAL colors. The electric chain hoist is controlled by contactor control in the low voltage range as standard. The operating voltage is 208V, 3ph, 60 Hz.

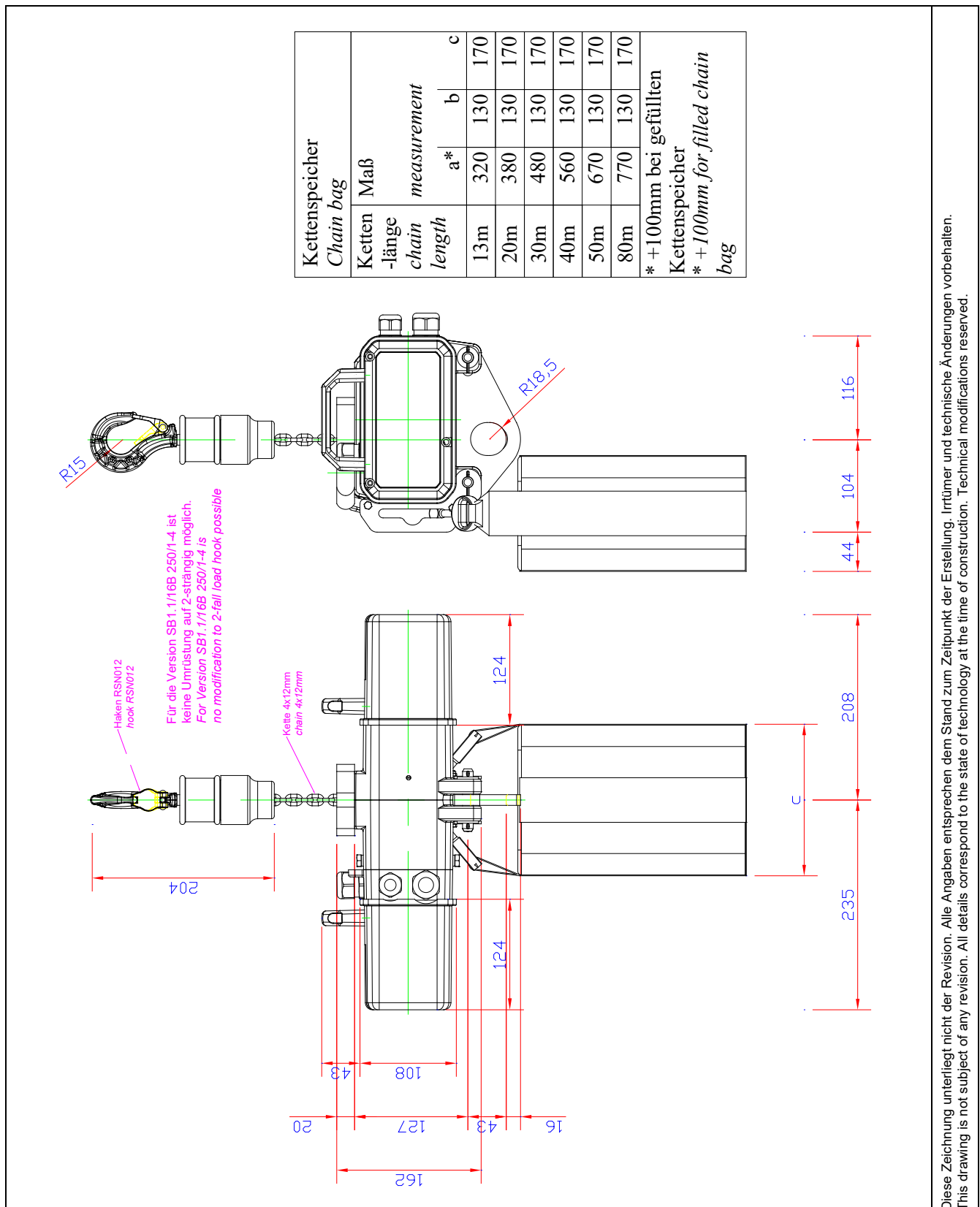
2. Technical Data

2.1. Data Sheet

Chain hoist 250 kg according D8Plus																															
Features	▪ completely enclosed aluminum cast housing ▪ black paint finish RAL 9005 – semi gloss (other colors on request) ▪ light and compact design with low- noise running ▪ chain bag made from textile material ▪ 2 spring loaded brakes with DC magnet coils ▪ sliding clutch to protect the drive ▪ chain guide plate of polyamide ▪ precise chain guide with 5 - pocket chain sprocket wheel ▪ operating coefficient load chain - 8 (according SQP2 2024-03) ▪ 1-fall load hook ▪ standard or climbing hoists ▪ AC-contactor control ▪ 1m connection cable ▪ 2 handles																														
Options/ accessories	▪ rotating hook suspension ▪ load monitoring ▪ incremental encoder HTL-signals; 11 / 25 / 100 / 200 / 1024 pulses per revolution ▪ flight cases and storage solutions ▪ manual beam trolley ▪ control systems																														
Technical data	<table> <tr> <td>Model type:</td><td>SB1.1 / 81</td></tr> <tr> <td>Hoisting speed:</td><td>16 ft/min ¹</td></tr> <tr> <td>Safe working load:</td><td>250 kg</td></tr> <tr> <td>Number of falls:</td><td>1</td></tr> <tr> <td>Load chain according EN 818-7:</td><td>4 x 12 mm</td></tr> <tr> <td>Suspension type:</td><td>Single hole suspension eye for shackle</td></tr> <tr> <td>Classification of mechanism lifting gear</td><td>2m/ M5</td></tr> <tr> <td>FEM/ ISO:</td><td></td></tr> <tr> <td>Duty cycle - starts per hour:</td><td>ED 25 % - 150 c/h</td></tr> <tr> <td>Mode of operation:</td><td>S3 (according IEC 60034-1)</td></tr> <tr> <td>Noise level:</td><td>68 dBA/ 1 m distance</td></tr> <tr> <td>Motor type:</td><td>KPRE 56G4</td></tr> <tr> <td>Motor speed:</td><td>1675 rpm ¹</td></tr> <tr> <td>Weight (without chain):</td><td>approx. 13 kg ²</td></tr> <tr> <td>Weight of the chain:</td><td>approx. 0.35 kg/m</td></tr> </table>	Model type:	SB1.1 / 81	Hoisting speed:	16 ft/min ¹	Safe working load:	250 kg	Number of falls:	1	Load chain according EN 818-7:	4 x 12 mm	Suspension type:	Single hole suspension eye for shackle	Classification of mechanism lifting gear	2m/ M5	FEM/ ISO:		Duty cycle - starts per hour:	ED 25 % - 150 c/h	Mode of operation:	S3 (according IEC 60034-1)	Noise level:	68 dBA/ 1 m distance	Motor type:	KPRE 56G4	Motor speed:	1675 rpm ¹	Weight (without chain):	approx. 13 kg ²	Weight of the chain:	approx. 0.35 kg/m
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¹ this applies to 60 Hz mains frequency, other voltage levels and frequencies on request ² specification in contactor control, without single-hole suspension eye, hook suspension, hook tackle, chain bag																															

3. Dimension Sheet

3.1. Climbing hoist – single hole suspension plate



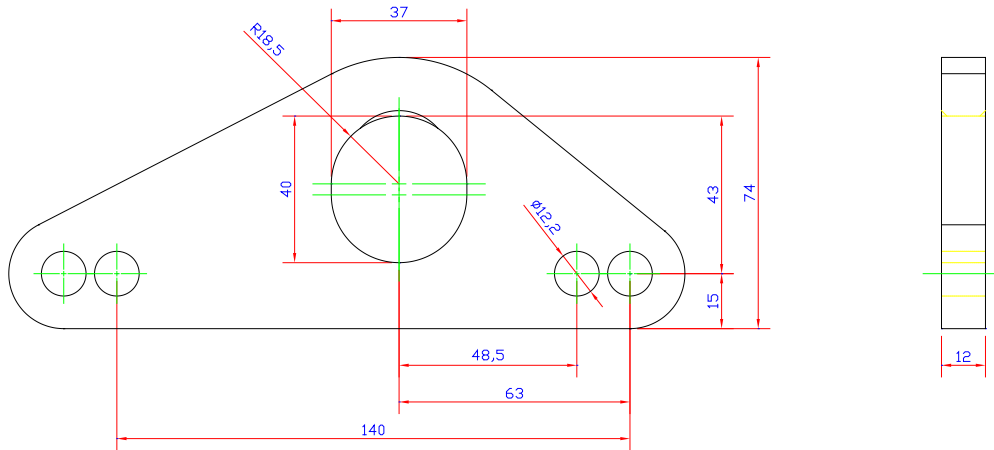
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Figure 1 Climbing hoist – single hole suspension plate

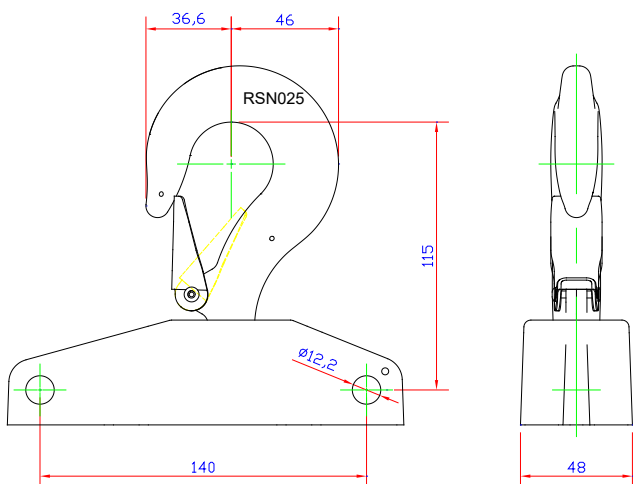
Figure 1 shows version with contactor control

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3.2. Single hole suspension plate & hook suspension

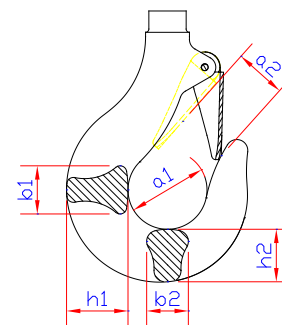


Weight: 0.8kg



Weight: 1.8kg

Haken-Nr./ hook-no. DIN 15401	a1	a2	h1	b1	h2	b2
012	30	20	22	19	19	15
025	36	22	28	22	24	19
05	43	28	37	29	31	24
1	50	30	48	38	40	32
2,5	63	42	67	53	58	45
4	71	50	80	63	67	53
6	90	56	100	80	85	67



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Figure 2 Single hole suspension plate & hook suspension

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3.3. Hook tackle

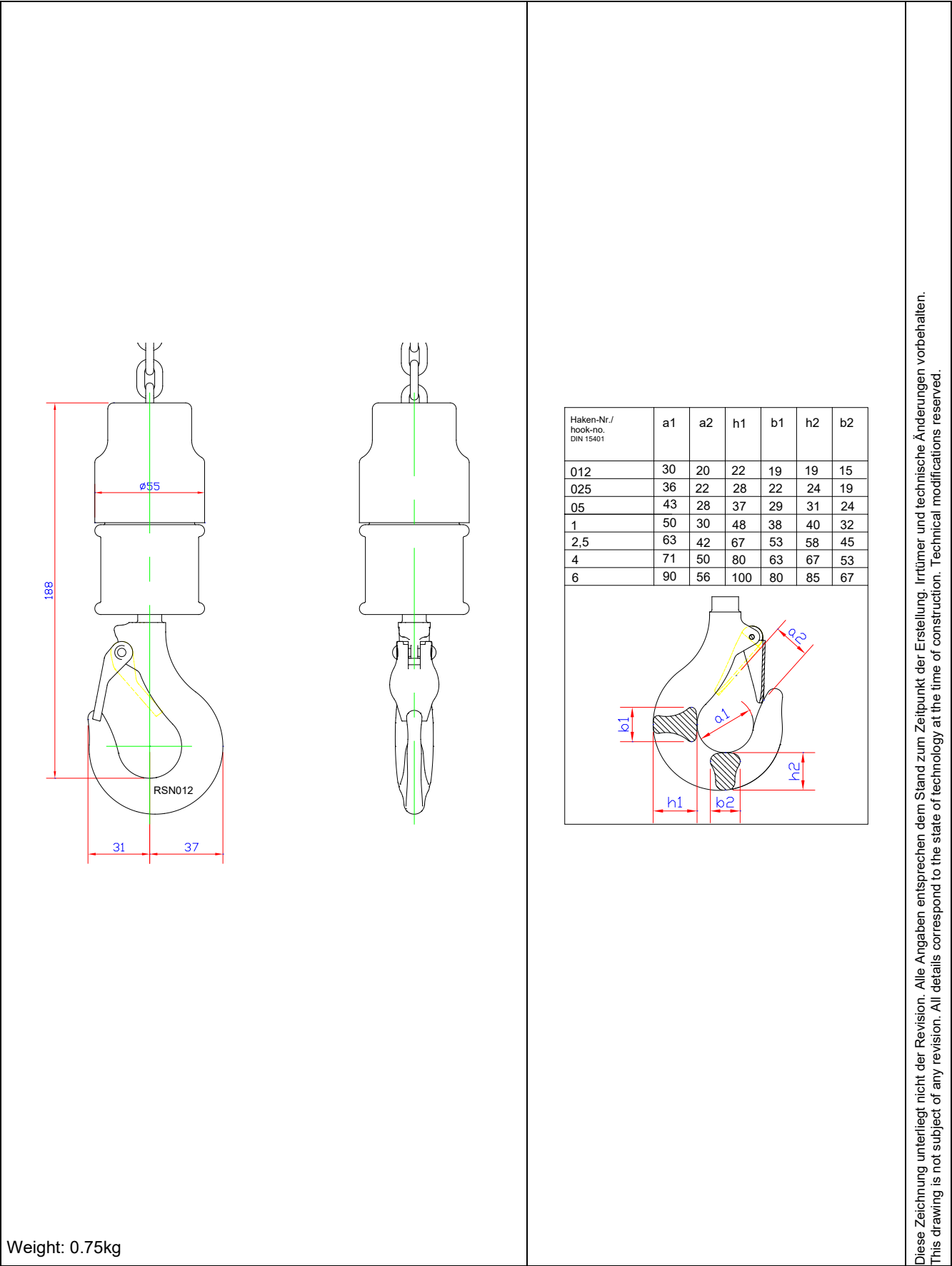


Figure 3 Hook tackle

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This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal black lines across its entire width, typical of notebook or legal stationery. The background is a solid off-white color, and there are no margins, text, or other markings present.

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