



河北雄安盛蕴科技有限公司  
HEBEI XIONGAN SHARE TECHNOLOGY CO., LTD














# HBSQ Combined Explosion-Proof Manual Chain Hoist

## OPERATING INSTRUCTIONS



HEIBEI XIONGAN SHARE TECHNOLOGY CO., LTD.

## SAFETY INSTRUCTIONS

				
1. Read before use!	2. Do not overload	3. Do not work under a load!	4. Never pull the chain from the side!	5. Never work with a damaged hoist!
				
6. Never lift human with this hoist!	7. Never throw the hoist	8. Do not wrap the load chain around the load	9. Never work up to the end of chain	10. Never attach the load on the tip of the hook!
				
11. Never work with a twisted or broken chain!	12. Never work without a safety latch!	13. Never remove the warning notice		

## **1. General information**

Hoists, whether integrated or hooked into the trolley, are used solely for the raising and lowering of loads.

### **Intellectual property**

Designs, drawings and technology are the sole property of the manufacturer. It is expressly prohibited to copy or utilize this type of information, or pass it on to third parties, without express written permission.

### **Warranty**

The manufacturer provides the user with a guarantee regarding the fault-free nature of the hoist material and the work execution for a period of one year from the date of purchase.

The manufacturer shall repair every faulty product free of charge - including part and wage costs - or replace such products at their own discretion, or reimburse the purchase price less an appropriate figure to account for depreciation, in exchange for the product.

If any product proves defective within its original one-year warranty period, it must be returned to an authorized dealer, together with a proof of purchase or including the data-sheet/test certificate.

The hoist must be returned carriage paid. This warranty does not apply to products that

are found by the manufacturer to have been incorrectly used or misused, or incorrectly

maintained by the buyer; or where the malfunction or damage can be attributed to the use of non-original spare parts.

The manufacturer provides no further guarantees and all implicit guarantees including any warranty for defects or guarantees regarding the suitability of the product for a specific purpose are limited to the stipulated duration of the warranty period as cited above. The maximum liability of the manufacturer is limited to the purchase price of the product and the manufacturer cannot under any circumstances be held liable for any consequential, indirect, incidental or special damages of any kind, which arise due

to the sale or use of the product, regardless of whether this liability is based on the contract, invalid, or otherwise.

## **2. Important notes**

- Before installation and use, you must read through the operating manual and make it available to the operator of the equipment.
- The operator must be properly instructed in how to use the equipment.
- Never exceed the working load limit (WLL) on the product label.
- Do not pull chains over edges.
- Never use the product to lift people or to lift load above areas where there could be people.
- The equipment must be inspected once a year by a qualified expert, more frequently for harsher operating conditions.  
The company must ensure that test certificates are issued.
- Before use, inspect the equipment for damaged, loose bolts or twisted chains and rectify any faults.
- Repairs to the hoists may only be performed by the manufacturer or by a trained service partner, using original spare parts.
- Failure to observe the instructions in the manual, improper use, corrosion due to inadequate protection or unauthorized modifications to the product will void the guarantee.
- Risk of corrosion due to it being continuously subjected to unfavourable weather conditions, such as high humidity or harmful environmental influences, e.g. atmospheres with acidic vaporous, corrosive gases or a high concentration of dust will lead to premature wear. This does not give any entitlement to a warranty claim.
- We would be happy to provide you or your specialist dealer with further information or parts lists

### **3. Particular safety instructions**

Certain work and activities are not allowed whilst using the combination trolley, because it is dangerous to life and can cause injuries and damage to the machine, e.g.:

- The user must read the operating manual before commissioning
- NEVER lift more than the rated capacity / working load limit
- NEVER lift a load above people
- NEVER pull the load chain across or along sharp corners
- NEVER operate the equipment when its damaged
- NEVER use the equipment to lift or carry people
- NEVER throw the equipment
- NEVER use the load chain for attachment / rigging purposes
- NEVER work at the end of the chain
- NEVER attach a load to the tip of the hook
- NEVER work while the load chain is twisted or damaged
- NEVER use without the hook safety latch
- NEVER remove the warning notices
- NEVER use the chain as a lifting sling
- NEVER leave a suspended load unattended
- NEVER operate the hand chain in a angle contrary to the travel direction of the trolley

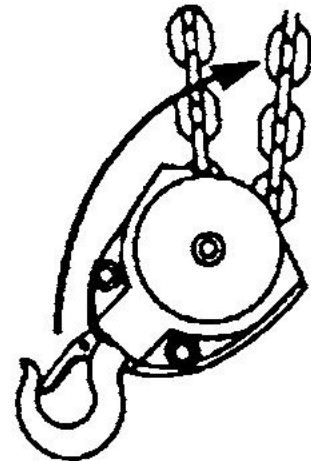
## 4. Assembly information before commissioning

### A. Before commissioning

- Chain hoist made movable by means of a trolley or which were already delivered with a trolley. They must be inspected by a qualified expert and tested for a load bearing capacity over 1t by a registered inspector, before initial commissioning can occur! Observe the national regulations applicable on your country
- Never operate the LHT trolley-hoist at temperatures below -20 degrees Celsius or above +60 degrees Celsius

### B. Installation and inspection before each use

- The hand chain and load chain must hang freely without any bends or twists
- Pull the hand chain all the way through once without a attached load to the hoist
- Inspecting the load brake function: Raise the load slightly (min. 10% WLL) and hold it in place. If the load keeps in position, raise it further. During lowering, the load must not slip when operating the hand chain is stopped. The attached load must not be less than 10% of the rated trolley-hoist capacity.
- If brake function is proper, operation can be initiated
- Important for equipment with multiple chain falls: The hook block must not be passed through the chain loop. This can be Recognized from a twisted load chain. If the welds on the chain links are not in line, the hook block must be folded back through the chain loop
- The last link of the load chain must be secured to the housing to prevent the chain from passing through for safety reasons.



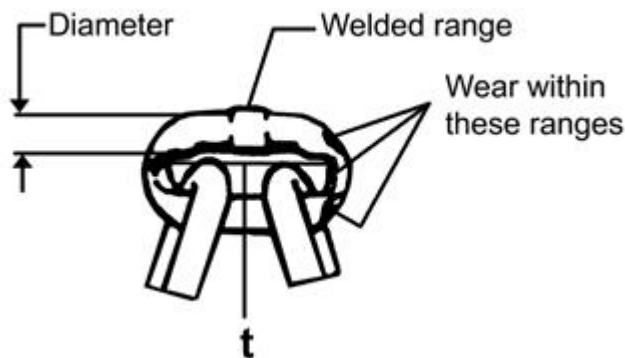
## **5. Installation**

- When the minimum load (10% WLL) is attached, the brake engages automatically
- The hoist is only suitable for lifting and lowering purposes in vertical direction.
- To move the load, pull the hand chain in lifting or lowering direction

## 6. Maintenance and inspection

### Chains

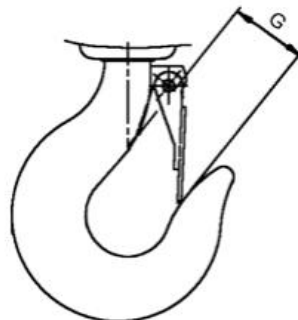
- The chains and hooks must be inspected on a regular basis! Clean the chain before inspection. Slightly lubricate the load chain from time to time! Never oil or grease the brake!
- The load chain must not crack when load is attached.
- Check the chain for elongation! Measure the internal length of a worn chain link, the smallest diameter of the wire and the length over 11 chain links; the chain must be held taut during this process. If the measured dimension then exceeds the dimension stated in the following table, then the chain must be replaced. The diameter must not be less than dimension, do not exceed the spacing on an individual link.



If the load chain need to be replaced, it is assumed that the load chain sprocket is affected as well. It has to be also checked for wear.

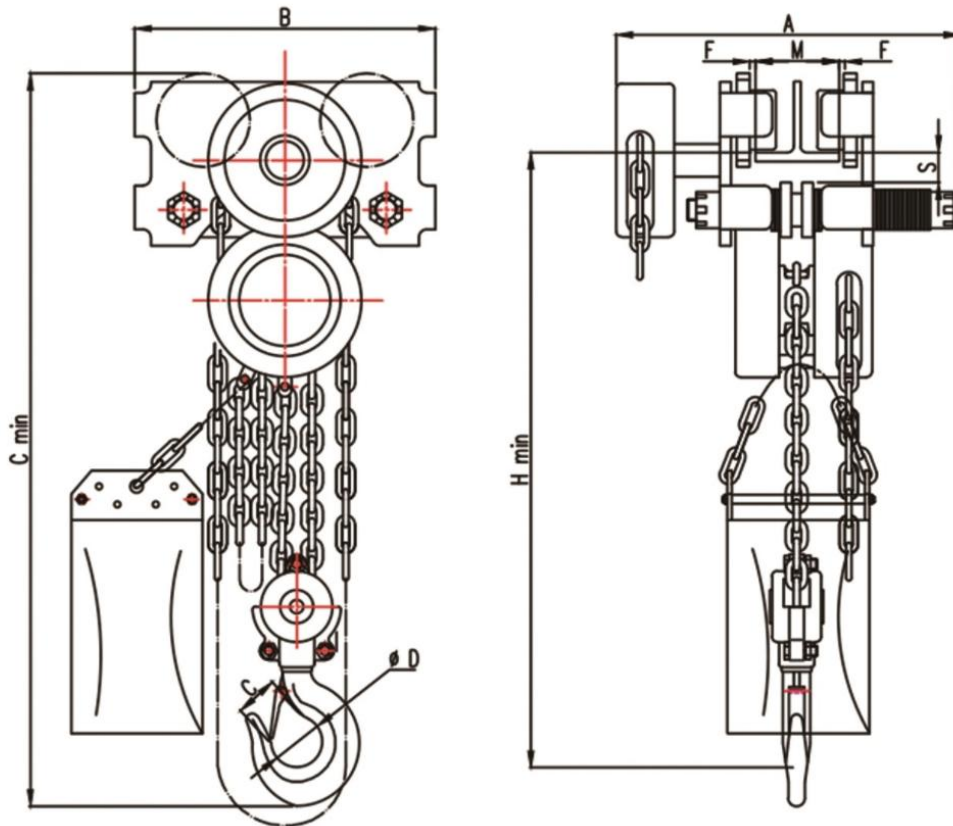
### Hook

Hooks can be bent open or elongated due to heavy loading and improper handling of the equipment. If the original dimension „G“ is exceeded by 10%, the hook must be replaced. If this is the case, then the overloading has also damaged other load-bearing parts and the hoist must be checked thoroughly for deformations in all components



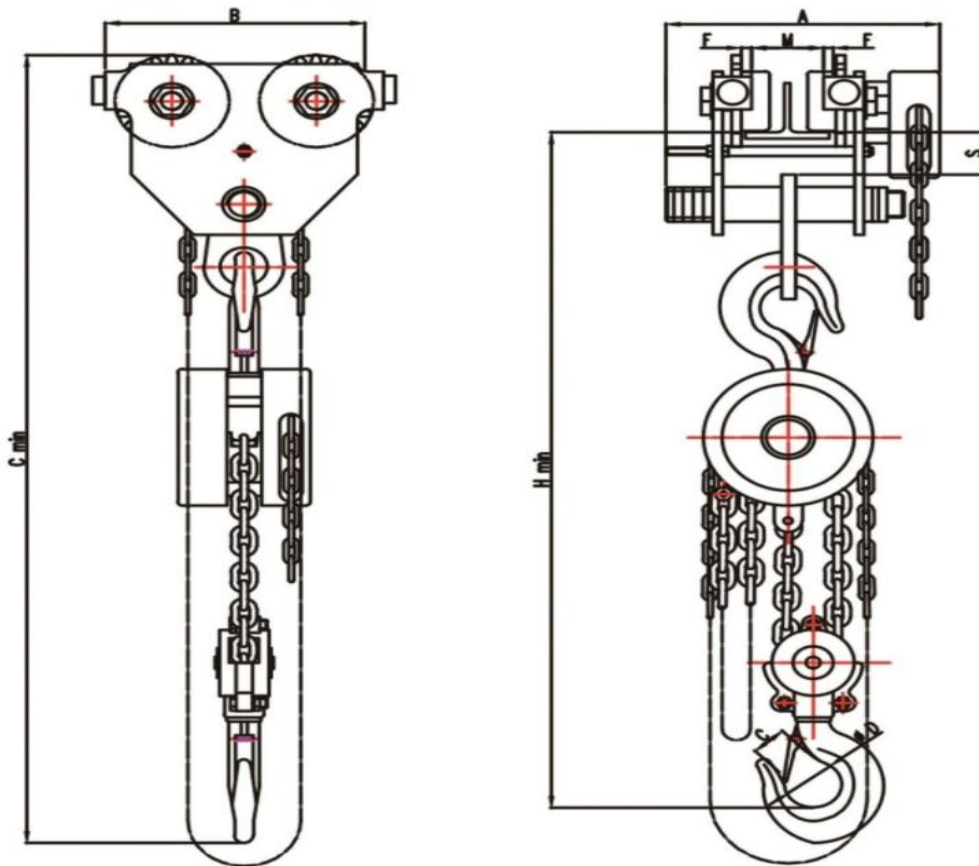


**7. Technical data**



**HBSQ-Z Low Head-room Series**

Model	Capacity (t)	Lifting height (m)	Test load (t)	No. of load chain fall lines	I-Beam width (m)	Dimension(mm)		
						B	H-min	D
HBSQ-Z -0.5	0.5	2.5	0.75	1	75-125	245	310	30
HBSQ-Z -1	1	2.5	1.5	1	75-125	245	330	43
HBSQ-Z -2	2	2.5	3	2	100-150	275	410	50
HBSQ-Z -3	3	2.5	4.5	2	100-150	350	480	63
HBSQ-Z -5	5	2.5	7.5	2	125-175	380	650	65
HBSQ-Z-7.5	7.5	2.5	11.2	3	124-203	420	750	72
HBSQ-Z-10	10	2.5	12.5	4	125-180	420	755	77
HBSQ-Z-20	20	2.5	25	8	136-203	760	950	106



**HBSQ-ZA Combined Series**

Model	Capacity(t)	Lifting height (m)	Test load (t)	No.of load chain fall lines	I-Beam width (F) (m)	Dimension(mm)		
						B	Hmin	D
HBSQ-ZA -0.5	0.5	2.5	0.75	1	90-120	245	470	30
HBSQ-ZA-1	1	2.5	1.5	1	90-120	245	496	43
HBSQ-ZA -2	2	2.5	3	2	102-152	275	630	50
HBSQ-ZA- 3	3	2.5	4.5	2	110-165	350	800	63
HBSQ-ZA -5	5	2.5	7.5	2	122-172	380	860	65
HBSQ-ZA-7.5	7.5	2.5	11.2	3	130-210	420	1110	72
HBSQ-ZA-10	10	2.5	12.5	4	130-210	420	1130	77
HBSQ-ZA-20	20	2.5	25	8	130-210	760	1320	106



Make handling easier!

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