



**BEFORE OPERATING THIS PRODUCT, READ
THIS MANUAL AND FOLLOW ALL SAFETY
RULES AND OPERATING INSTRUCTIONS**

Save these instructions for future reference

... wir bewegen was !!!

1 GENERAL

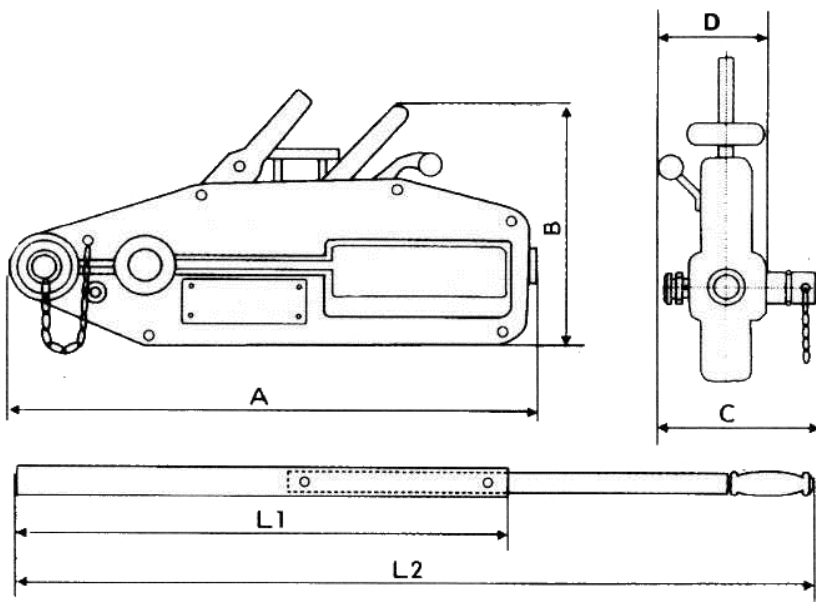
This manual contains important information for the correct installation, operation and maintenance of the equipment described herein. All persons involved in such installation, operation and maintenance should be thoroughly familiar with the contents of this manual. To safeguard against the possibility of property damage or personal injury follow the recommendations and instructions of this manual and keep it for further reference.

The portable **McBULL®**-wire rope pulling hoist's are a versatile tool for pulling, lifting, lowering, tensioning and securing loads over long distances.

The **McBULL®**-wire rope pulling hoist's shown in this manual was specially designed for applications in industry, building construction, civil engineering, power line construction, ship building and oil refineries etc. and should not be used to lift, support, or otherwise transport people.

All **McBULL®**-wire rope pulling hoist's comply to the safety specifications from the German trade association, and have been manufactured in accordance with the Machinery Directive 2006/42/EC. They are type-tested 4 to 1 against breakage. Each unit is proof-tested 1,5 times of the rated load.

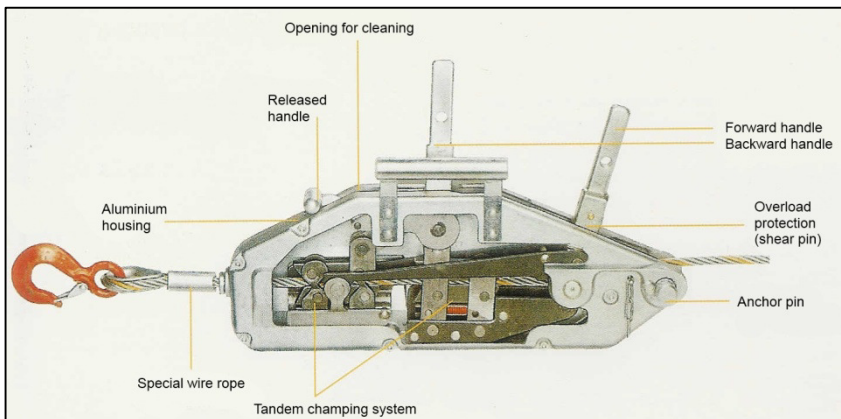
2 SPEZIFICATION



Type		CSZ 8...	CSZ 16...	CSZ 32...
Rated capacity	(t)	0,8	1,6	3,2
Proof test load	(kN)	12,0	24,0	48,0
Rated forward travel	(mm)	52	55	28
Rope diameter	(mm)	8,3	11	16
Dimensions (mm)	A	426	545	660
	B	235	280	325
	C	64	97	116
	D	60	72	91
	L1	-	800	800
	L2	800	1200	1200
Weight (without cable)	(kg)	7	14	21

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3 INSTALLATION AND OPERATION



Rope choice:

Ensure before starting up, that the rope diameter and the type of the unit are conform.

Rope reeving:

Hold the unit in one hand, with its head downward, and push the released handle. When he is audible and noticeable locked in the upper end-position, the grip jaws are open and the clean wire rope can be reeved to a desired length. Having finished it, push the released handle downward by hand to allow grip jaws to clamp the rope. When pulling the forward handle forward and backward, the rope inlet or outlet shows that the unit works normally.

Make sure that the pulling hoist is ringed so that the anchor pin and wire rope hook will form a straight length when the pulling hoist is operated and the frame is free to swivel and will not come in contact with any object.

Anchoring:

The anchor pin is to be used to anchor the unit. The other tip of the rope can be tied to load or masts. To arrest the anchor pin correctly, you have to insert him into the machine case and turn him twice. Start operation not until the second tunnel is obstructed. Remain the rope tip expose above the anchor pin, to ensure that the rope can move normally.

Operating:

Attach the hook to the load and operate as following:

To lift a load (or pull a load):

move the forward handle forward and backward

To lower a load:

move the backward handle forward and backward

Rope removing:

After finishing work, first push the released handle, to open the grip jaws and pull the rope out. Erase the dirt on the rope and wind it orderly on to the reel. Press down the released handle that the grip jaws are not always in an open state, thus the spring force of the tensioning spring will be reduced.



Warning

To avoid damage and/or personal injury:

1. Do not exceed maximum load of the wire rope pulling hoist!
2. Do not use the wire rope pulling hoist to lift people or loads over people!
3. Do not use a damaged or malfunctioning wire rope pulling hoist!
4. Do not use if the rope is worn (diameter reduces by 10%), or damaged!
5. Do not use the wire rope pulling hoist unless the hoist's frame and rope from a straight line between hook and anchor pin!
6. Do not use the wire rope pulling hoist if the hoist's frame is in contact with any object!
7. Do not leave a suspended load or wire rope pulling hoist under tension unattended!
8. Do not use an extension on the handle. Operate using hand power only!
9. Do not apply loads to the tip of hooks or to the hook latches!
10. Never operate the wire rope pulling hoist when flammable materials or vapors are present. Contact between metal parts may produce sparks that can cause a fire or explosion!

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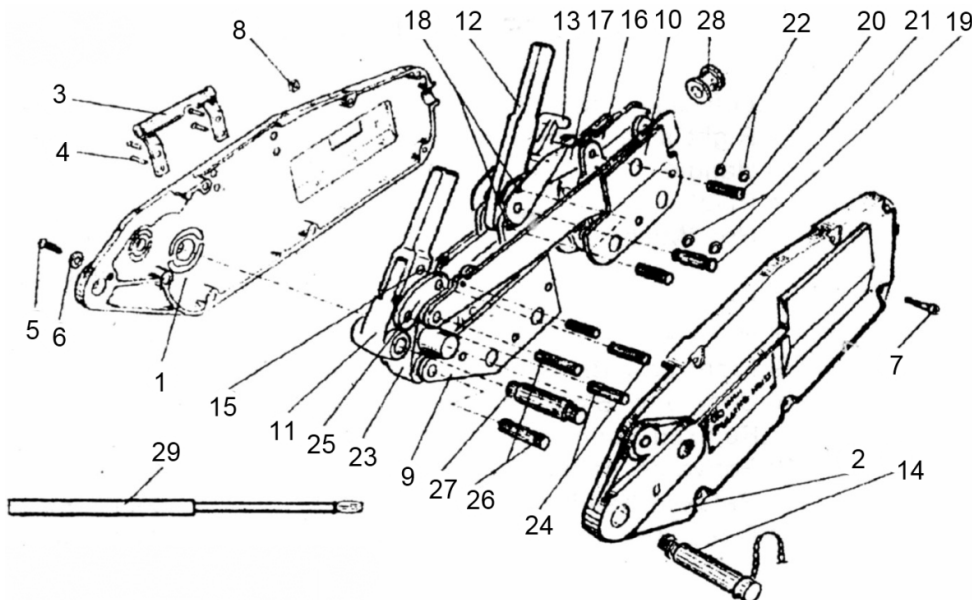
4 MAINTENANCE

To maintain continuous and satisfactory operation, a regular inspection procedure must be initiated so that worn or damaged parts can be replaced before they become unsafe.

If faults are detected, the wire rope pulling hoist must be put out of service immediately. The intervals of inspection must be determined by the individual application and are based up on the type of service to which the wire rope pulling hoist is subjected.

The unit should be inspected for faultless operation and at least annually investigated by an expert. Inspect the wire rope for wear, cracks and damage. Inspect the jaw block for wear. Inspect the hook for flaws, cracks, distortion and wear. Repairs may only be carried out by a specialist workshop that uses original spare parts.

5 EXPLODED DIAGRAM AND PARTS LIST



Part-No.	Description	Quantity
1	left side plate	1
2	right side plate	1
3	handle (just at 1,6t / 3,2t)	1
4	rivet (just at 1,6t / 3,2t)	4
5	screw	1
6	washer	1
7	hex bolt	6 o. 7
8	hex nut	6 o. 7
9	front jaw block	1
10	back jaw block	1
11	forward handle	1
12	backward handle	1
13	released handle	1
14	anchor pin	1
15	shear pin	1
16	upper grip jaw	1
17	connecting rod	1
18	pin 2	1 o. 2
19	pin 3	1
20	pin 4	1
21	bushing	2
22	bushing	2
23	shake rod (just at 3,2t)	1
24	pin 5 (just at 3,2t)	2
25	connecting rod (nur bei 3,2t)	1
26	crank axle	2
27	stay pin (just at 3,2t)	1
28	guide tube of wire rope	1
29	tube handle	1

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McBULL®- Dealer:

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