



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

Save these instructions for future reference

1 GENERAL

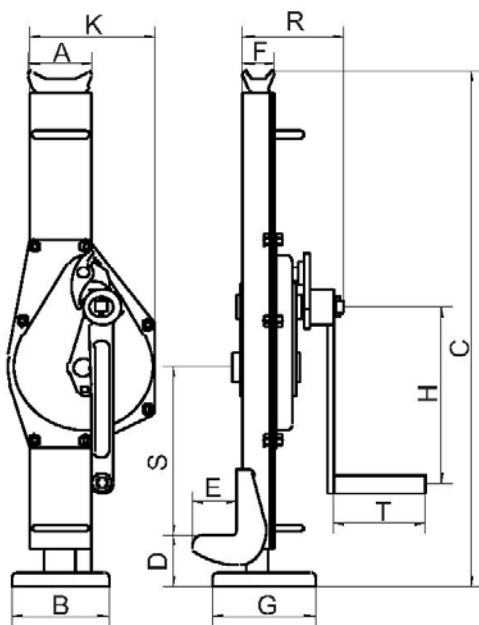
This manual contains important information for the correct installation, operation and maintenance of the equipment described herein. All persons involved in such installation, operation and maintenance should be thoroughly familiar with the contents of this manual. To safeguard against the possibility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

The **McBULL®**-steel jacks are designed by mechanical transmission principle. It's one of the best liftingtool used in repairing and supporting, etc. The lifting or lowering speed is controllable. Moreover, it overcomes the shortcoming of the common hydraulic jacks whose lowering height and speed is out of control when oil leaking.

The top-quality all steel structure makes it safe and durable. The compact design with collapsible lever offers easy operation and simple maintenance. It has two applicable support stands. The lifting range is much higher.

All **McBULL®**-mechanical jacks 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

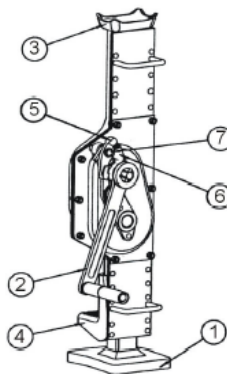


Type		CSW 1500	CSW 3000	CSW 5000	CSW 10000
Rated capacity	(t)	1,5	3	5	10
Proof test load	(kN)	22	44,1	73,5	147
Hand force to lift	N (daN)	28	35	40	58
Dimensions (mm)	A	81	83	108	124
	B	100	130	140	140
	C	600-900	730-1090	730-1075	800-1210
	D	60-360	70-425	80-425	85-495
	E	55	60	71	86
	F	46	45	68	76
	G	110	140	170	170
	H	225	249	275	300
	K	163	197	189	250
	R	119	140	155	185
	S	175	235	217	187
	T	113	127	127	248
Weight	kg (kg)	13,5	21,2	28,5	46,8

3 OPERATION

Put the **McBULL®**-steel jack on even places. Then place the goods either on the Lower Support Stand (4) or the Upper Support Stand (3). Operate the Lever (2) clockwise to lift the goods, vice versa, the goods are lowered down.

- (1) Base
- (2) Lever
- (3) Upper Support Stand
- (4) Lower Support Stand
- (5) Upper Ratchet Pawl
- (6) Lower Ratchet Pawl
- (7) Axle Ring



Attention

- a. Do not exceed the rated capacity. Overload is forbidden.
- b. Before operation, please check the flexibility of the Ratchet Pawls (5) / (6). Do not use damaged jack or jack that is not working properly.
- c. Please be sure the jack is on complete balance when operating. Do not put it on beveled, arc or uneven surfaces. The jack must be placed on hard plain grounds.
- d. Before lifting, please be sure the Support Stand (4) or (3) supports the goods completely.
- e. When several jacks are used at the same time, please be sure of the same lifting or lowering. The whole operation course should be directed.
- f. It's forbidden putting any parts of the human body under the lifted goods. Make sure all personnel remain clear of supported load.
- g. If working force is abnormal in operation, please stop working immediately to inspect all related transmit components.
- h. Lubricate parts applicably regularly.
- i. The Upper Support Stand (3) should be on bottom position when the jack is not used.
- j. Do not leave load supported by the jack unattended unless specific precaution have been taken.

4 MAINTENANCE

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

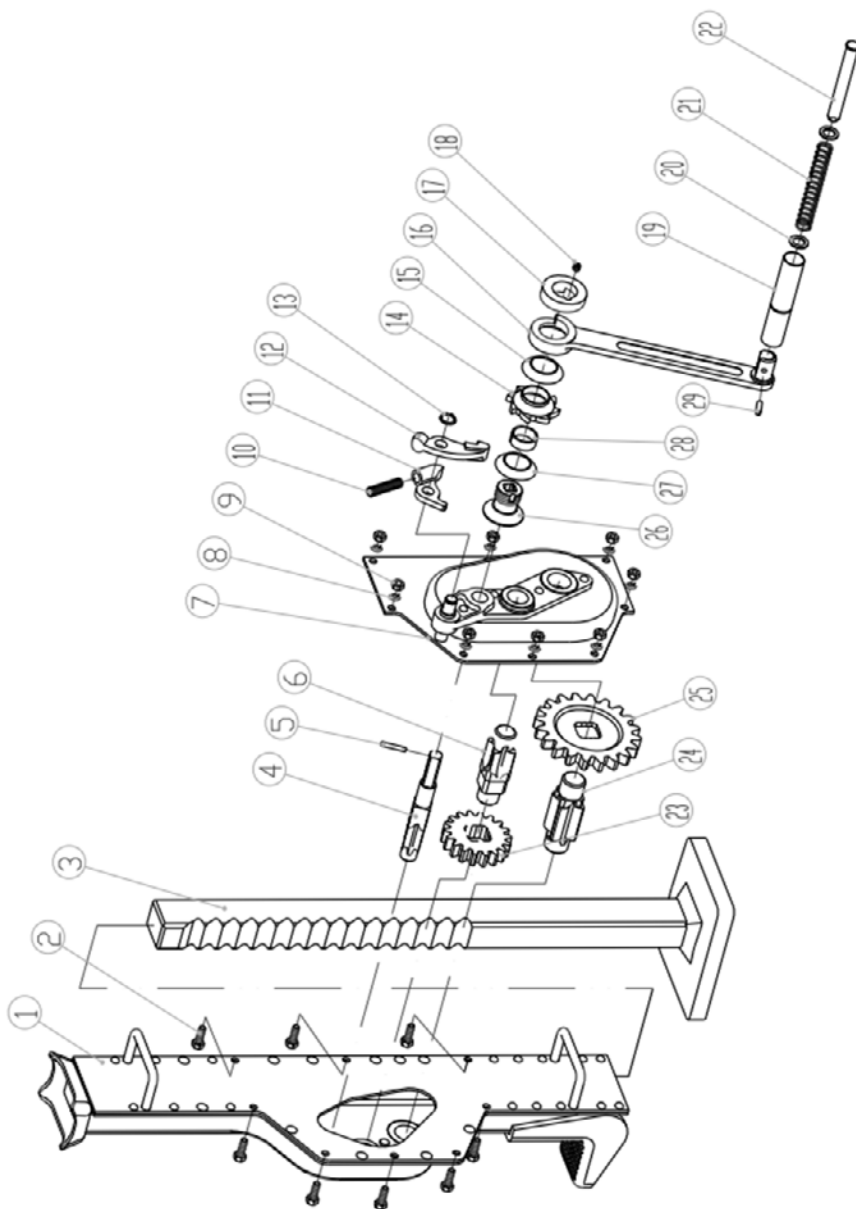
The gearing should be greased with Shell FD2 or equivalent at reassembly and as needed.

If faults are detected, the mechanical jack 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 jack is subjected.

The unit should be inspected for faultless operation and at least annually investigated by an expert. Inspect gear for wear. Inspect gear base (base), pawls and ratchet for flaws, cracks, distortion, wear. Repairs may only be carried out by a specialist workshop that uses original spare parts.

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5 EXPLODED DIAGRAM AND PARTS LIST



Part-No.	Description	Quantity
1	jack block	1
2	screw	7 o. 8
3	rack	1
4	axle	1
5	elastic pin	1
6	axle (just at 5,0t / 10,0t)	1
7	left bracket	1
8	washer	7 o. 8
9	nut	7 o. 8
10	pawl spring	1
11	lower ratchet pawl	1
12	upper ratchet pawl	1
13	axle ring	1
14	ratchet wheel	1
15	ratchet washer	1
16	Lever	1
17	locknut	1
18	screw	1
19	handle sleeve	1
20	washer	2
21	spring	1
22	spring mandril	1
23	gear (just at 5,0t / 10,0t)	1
24	axle	1
25	gear	1
26	axle seat	1
27	washer	1
28	sleeve (just at 3,0t / 5,0t / 10,0t)	1
29	elastic pin	1

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McBULL®-Dealer:

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