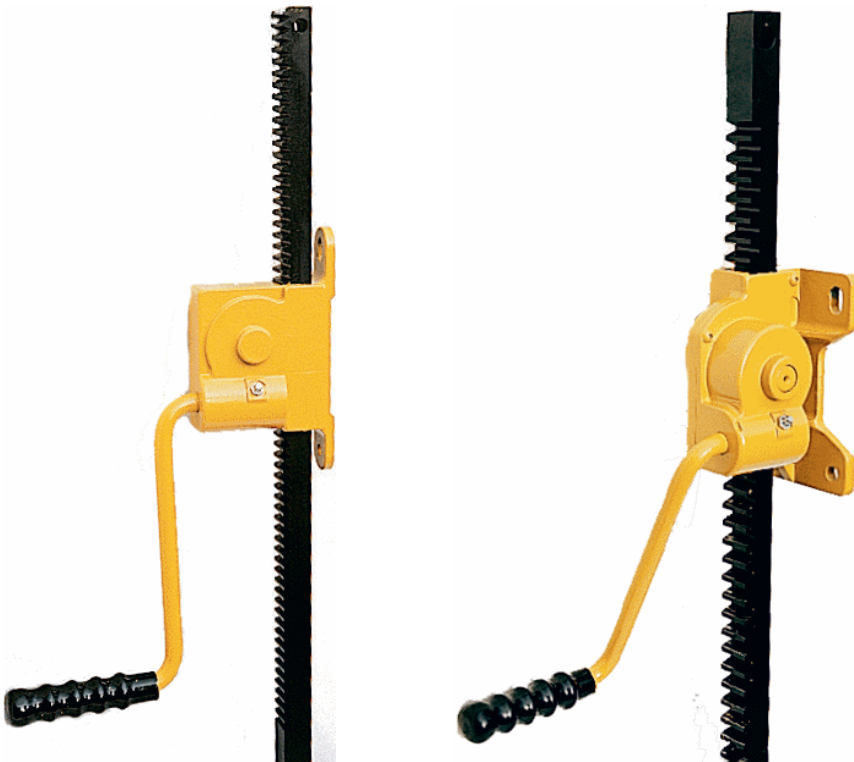


Rack-and-pinion jacks

Reference 797

Instruction manual

UK



REGISTERED DESIGN

To ensure the constant improvement of its products, HUCHEZ reserves the right to change the equipment as described below and, in this case, to supply products which differ from the illustrations in this instruction manual.

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1 - General warning

- Before using this jack, the user must read this instruction manual and comply with all the instructions in order to ensure the safe and efficient use of the equipment.
 - This instruction manual must be available to all operators. The manufacturer will provide additional copies on request.
 - Jacks can be used to perform lifting operations in a specific working area. Please ensure that the operator is qualified to operate the machine in the conditions provided for in this manual. This will ensure the safety of both people and the environment.
 - Never use this jack with a load that exceeds the maximum load indicated.
 - Jacks may not, under any circumstances, be used to lift people.
 - Before use, the operator must always ensure that the work area is clear and check that the machine, cable or chain, hook, markings and moorings are in good working order.
 - The manufacturer shall not accept any liability for consequences resulting from the use or installation of equipment not provided for in these instructions; or for the consequences of removal, modification or replacement of original parts or components with parts or components from other sources without the written agreement of HUCHEZ.
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2 – Presentation of the machines

Two models available:

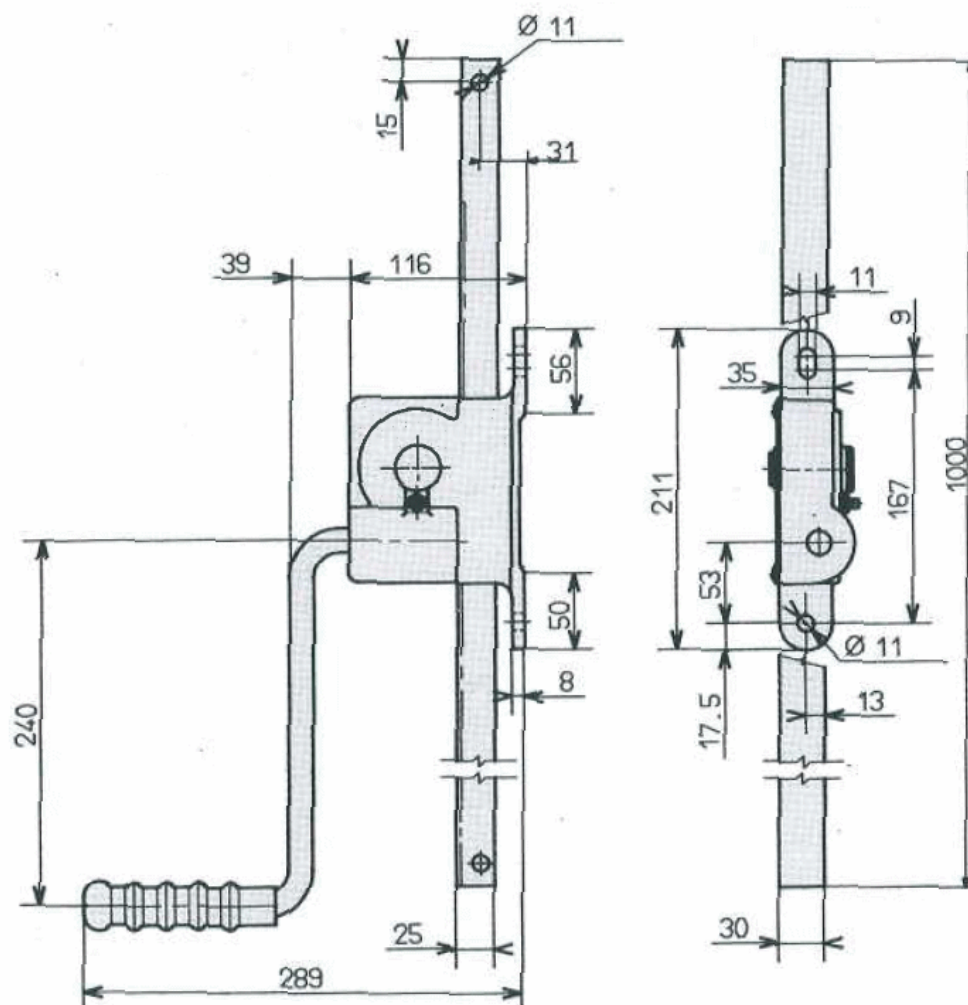
- 500-kg model (epoxy paint with polyurethane finish or stainless-steel).
- 1,000-kg model (epoxy paint with polyurethane finish).

2.1. Technical specifications and construction:

- Cast-iron structure.
- Reducer with wheel and endless screw.

2.2. Dimensions:

500-kg model



Travel: 800 mm

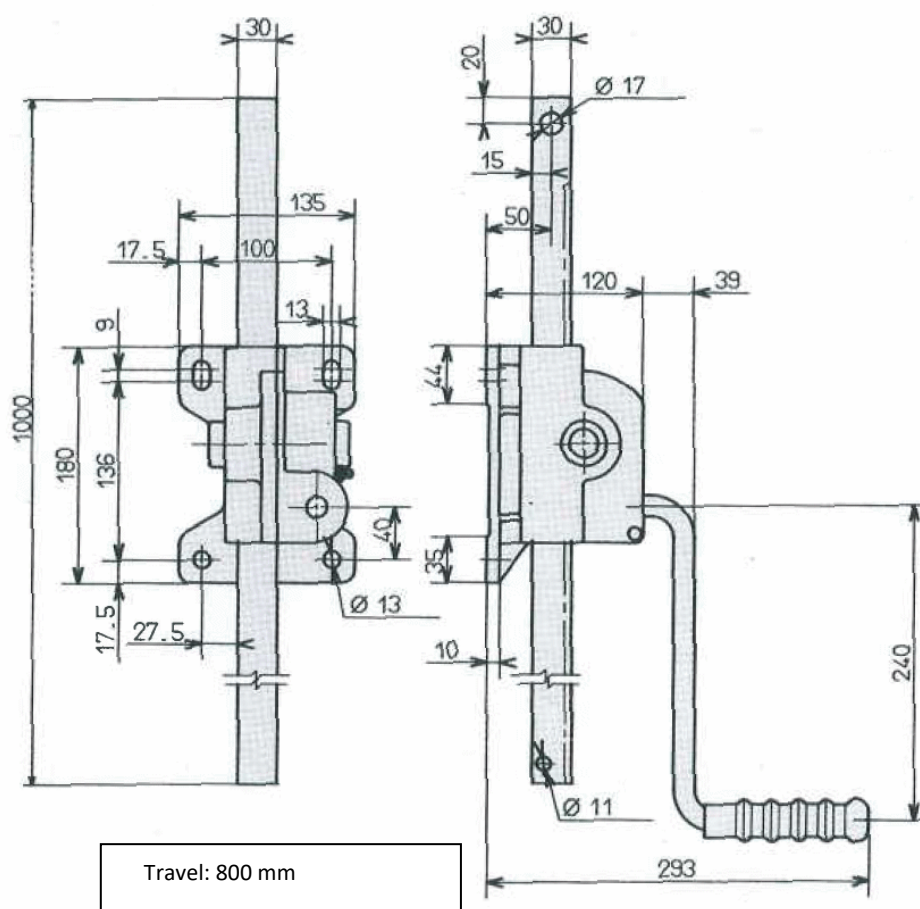
PAINTED MODEL

FORCE kg	Load on the handle	Lifting by turning the handle	Weight kg
500	17	9.4	9

STAINLESS-STEEL MODEL

FORCE kg	Load on the handle	Lifting by turning the handle	Weight kg
500	16	9.4	5.7

1,000-kg model



FORCE kg	Load on the handle	Lifting by turning the handle	Weight kg
1,000	17	4.5	12

2.3. Operation:

The load is lifted or pulled by turning the handle in one direction or the other. For lifting, the load is held in every position when the handle is released.

3 – Handling – Storage

It is advisable to store the equipment in weatherproof conditions.

4 – Assembly and start-up

The machine must be fastened to a suitable flat surface. Calculate and check that the mounting is markedly stronger than the nominal operating load.

5 – Servicing and maintenance

Regular lubrication with high-pressure grease (e.g. MOBIL HP222) is necessary.

6 – Contraindications for use

Before using the equipment, check that there are no causes of overloading such as: grip, vacuum, sticking, etc.

All prohibited and incorrect uses or operations are presented below:

It is prohibited to:

- lift or press loads in excess of the nominal load indicated on the machine plate;
- pull at an angle;
- use the jack to lift staff;
- walk under a load;
- insert objects into moving parts;
- perform operations on a machine while it is loaded;
- use the machine for operations other than those for which it is designed;
- use the machines for continuous operations;
- subject the jack to impacts;
- motorise the machines;
- use handles other than the original ones;
- use machines at temperatures under 10°C or over 50°C.

7 – Compulsory regulatory checks

This equipment has been designed to be tested:

- in a dynamic situation, with a coefficient of 1.1
- in a static situation:
 - to a coefficient of 1.5 for human powered machines
 - to a coefficient of 1.25 for other machines

A periodic maintenance check is required once a year:

In accordance with regulations, the user must keep an inspection booklet recording all the inspections and operations carried out on the machine (Rule FEM 9755).

In France, since 1 April 2005, the owner of a lifting apparatus must:**1. Pursuant to the provisions of the order of 2 March 2004, keep a maintenance log in which the following must be recorded:**

- Maintenance operations performed in accordance with the recommendations of the manufacturer
- All other operations (inspection, maintenance, repairs, replacement or changes to the machine)

The following must be recorded for each of these operations: the date of the work, the names of the people and, where appropriate, the companies which carried out the work, the nature of the operation and, if it is a regular operation, the periodicity. If the operations involve the replacement of certain machine components, the references of these components must be indicated.

2. By virtue of the order of 1 March 2004, article R 232.12 of the Labour Code:**Checks during start-up** (section 3 of the order - articles 12 to 17):

- Suitability test (article 5-1): suitable equipment and compliant installation. It must be provided, in writing, by the user (article 3d).
- Assembly and installation test (article 5-11): equipment installed according to the instruction manual.
- Operating test (article 6c or 14-II): loaded with safety tests.
- Static test (art. 10)
- Dynamic test (art. 11)

Regular general checks (section 5 of the order - articles 22 to 24):

- Inspection of the state of preservation (art. 9): equipment kept in good condition, with nothing missing or added, compliant.
- Operating test (art. 6b and c): loaded with safety tests.
- Checks when resuming service (section 4 of the order - articles 18 to 21):
- Suitability test (art. 5-I): suitable equipment and compliant installation. It must be provided, in writing, by the user (art. 3d).
- Assembly and installation test (art. 5-II): equipment installed according to the instruction manual.
- Inspection of the state of preservation (art. 9): equipment kept in good condition, with nothing missing or added, compliant.
- Operating test (art. 19-II): loaded with safety tests.
- Static test (art. 10)
- Dynamic test (art. 11)

8 – Taking out of use

If the equipment is in a state of disrepair likely to give rise to risks, the user is obliged to ensure that this equipment is eliminated, i.e.: prevented from operating and possibly disassembled.

9 – Spare parts

797 jacks – 500 and 1,000 kg

Key	No.	Description
1	20963	Tube
2	20049	Grip
3	20962	Arm
4	20956	Casing
5	20957	Endless screw
6	20960	Rack and pinion
7	20961	Cover
8	20958	Toothed wheel
9	20959	Pin
10	20968	Rack and pinion
11	20966	Casing
12	13230	Key
13	20965	Base

Please specify the machine serial number when ordering any spare parts.

