

RACK AND PINION JACK WITH CLAW HZ

Use and description:

Rack and pinion jack type **HZ** represents an important innovation of a rack type 15-00. The innovation is especially due to patented hand acting system. A new ratchet crank – lever enables to lift and lower simultaneously loads when turning the crank, to lift and lower loads when swinging the lengthened lever. The re-arranging of the crank into the lever is done only to 90° turning the crank handle. The jack is equipped with anti-overloading locking device.

Properties:

- the crank is used especially for quick setting a lift on un-loaded jack or for handling small loads
- when lifting small loads, the re-arrangement of the crank to the lever results in lowering the necessary acting force. Using LEVER arrangement, the acting force is 40% smaller compared with CRANK arrangement
- anti overloading lock (shearing pin) is sized so not to cause 20-20% overloading and it simultaneously enables to release the load even in case of the safe pin shearing



HZ/5t

Characteristics:

Type	Loading capacity (t)		Acting force (N)		Lift	Weight
	Q1 (head)	Q2 (claw)	on crank	on lever	mm	kg
HZ	5	3.5	550	330	360	23.0

The product has been designed and constructed as the equipment group I (mine), category M2 and equipment group II (mine surface installations) category 2 according to the Directive 94/9/EC of the European Parliament and the Council and meets the requirements for using in areas “dangerous atmospheric conditions 2” according to EN 1127-2+A1 and “zone 1” according to EN 1127-1 on condition that all national regulations are fulfilled by the employer.