

Wire Rope Puller



- Range from 800kg (1,764lbs) to 5400kg (11,905lbs) (Lifting Capacity)
- Lightweight manual pulling machines - simple and safe to operate
- Compact high-strength
- Corrosion-resistant aluminum housing
- Usable at horizontal, vertical and angled working positions
- 20m (65.6ft) steel wire with eye hook as standard
- Rope clamp system easily disengaged with a lever allowing smooth installation of wire rope
- Equipped with an anchor bolt offering numerous connection possibilities
- Overload protection built in, with a shearing pin in the forward lever
- Shear pins can be replaced without removing the load
- Includes spare shear pins, located within the hoist handle
- Parallel clamping system providing evenly distributed grip at a lower force, resulting in less rope wear
- Individually serial numbered for traceability
- Supplied with relevant certification and user instructions

Product Code	Pulling capacity (lbs/kg)	Lifting capacity (lbs/kg)	Rope diameter (in/mm)	Breaking strain (lbs/kN)	Effort (lbs/kg)	Advance/ Pull (in/mm)	Net Weight (lbs/kg)	Overall length (in/mm)	Overall height (in/mm)	Overall width (in/mm)
TRPA-08	2646/1200	1764/800	0.33/8.3	9667/43	77/35	2.0/52	14.3/6.5	16.8/426	9.3/235	2.5/64
TRPA-16	5291/2400	3527/1600	0.43/11	26977/120	90/41	2.2/55	27.5/12.5	21.5/545	11.0/280	3.8/97
TRPA-32	10582/4800	7055/3200	0.63/16	35969/162	99/45	1.1/28	49.6/22.5	26.0/660	12.8/325	4.6/116
TRPA-54	17637/8000	11905/5400	0.79/20	59350/264	167.5/76	1.2/30	127.9/58	36.6/930	18.9/480	6.0/152

The manual wire rope puller is a hand operated lifting and pulling device. The puller could also be used for lowering, tensioning and guying which makes it a versatile, portable and multipurpose tool.

The principle function of the wire puller is that the rope passes through mechanical jaws rather than being reeled on a drum of a puller or conventional winch. The tension of the rope is applied by means of two pairs of self-energized jaws which apply a grip onto the wire rope in sections. The effort is transferred to the jaws by two parallel levers, one for forward operation and the other for reverse operation. A telescopic bar, fitted to either the forward or reverse lever, transmits the effort to the jaw mechanism. This parallel clamping system provides an evenly distributed grip at a lower force, resulting in less rope wear. The load is held securely at all times.

The wire rope puller comes with a telescopic operating handle* and 20 meters of wire rope fitted with an eye-type hook as standard. Any length of rope can be supplied to your requirements. Alternatively, the wire rope puller is available as a machine only, without wire rope. (*the operating handle with the 800kg TRPA/TRPS is not telescopic) These units meet and exceed all the requirements within BS EN 13157:2004+A1:2009.

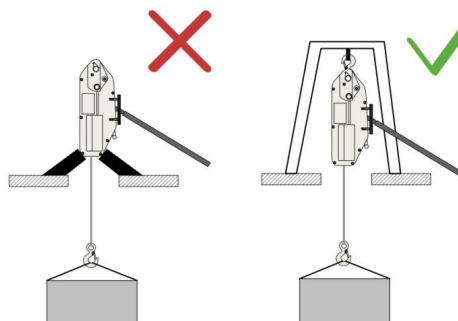


Figure 1

Figure 2

Increase the Pulling and Lifting Capacity:

Various methods of rigging are shown. For the correct and incorrect method refer to figures 1 and 2. Other methods of rigging will increase the capacity of the machine – refer to figures 3 and 4.

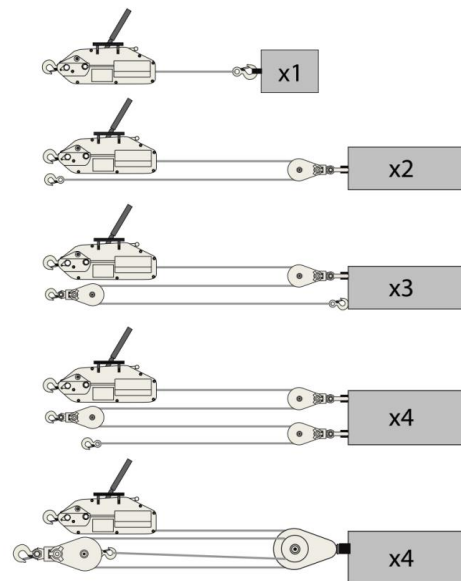


Figure 3

In examples 3 and 4 the maximum working load limit (WLL) of the pulley and anchor point shall be equal to or greater than two times the WLL.

NOTE: When the wire rope puller is anchored directly to a fixed point, ensure that there are no obstructions around the machine which could prevent the wire rope, puller and anchor from operating in a straight line.

It is recommended to use a sling of similar capacity between the anchor point and the unit.

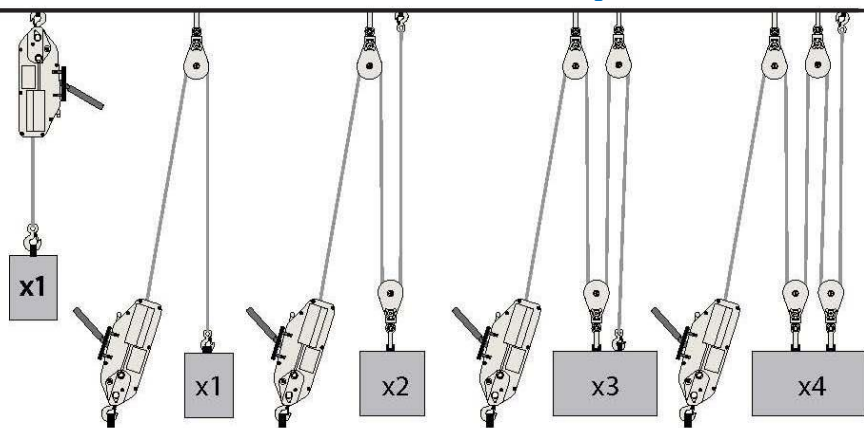


Figure 4

WARNING: Any rigging configuration which requires the calculation of forces applied should be checked by a competent engineer, with special attention to the strength of the fixed point used.

Certification:

Each unit comes fully certified with a test certificate or an EC Declaration of Conformity stating compliance with the essential health and safety requirements of the Machinery Directive 2006/42/EC.

