

Applications

Palanmatic is a manual hoist with a nylon rope $\varnothing 4$ that can be used to perform:

- lifting on a fixed or a movable point (lever hoist in vertical position),
- pulling (lever hoist in horizontal position).

Description

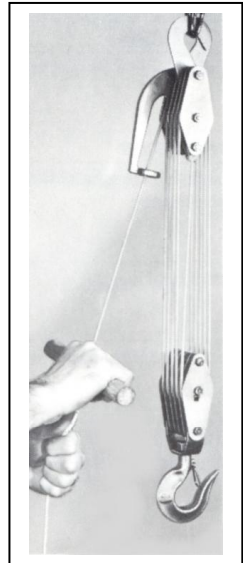
Palanmatic manual hoists are fitted with an exclusive safety device, which ensures **automatic locking of the rope**:

- use is easier as the operator can get loose and completely release the rope between two tractions,
- no risk of uncontrolled fall of the load hanged on the rope leg.

Regarding chosen model, lifting height of the **palanmatic** manual hoist is 3 or 7 m and capacity from 250 to 630 kg.

Number of sheaves installed on each **palanmatic** hoist is calculated so that to minimize the operator effort.

All **palanmatic** manual hoists are delivered with a winding accessory for the nylon rope. A wooden operating bar is delivered with models 202A, 204A et 206A to permit a better handiness of the hoist operation rope leg.



Functionning

For lifting or pulling a load

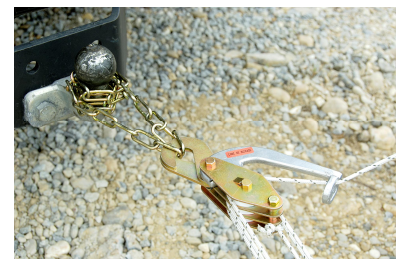
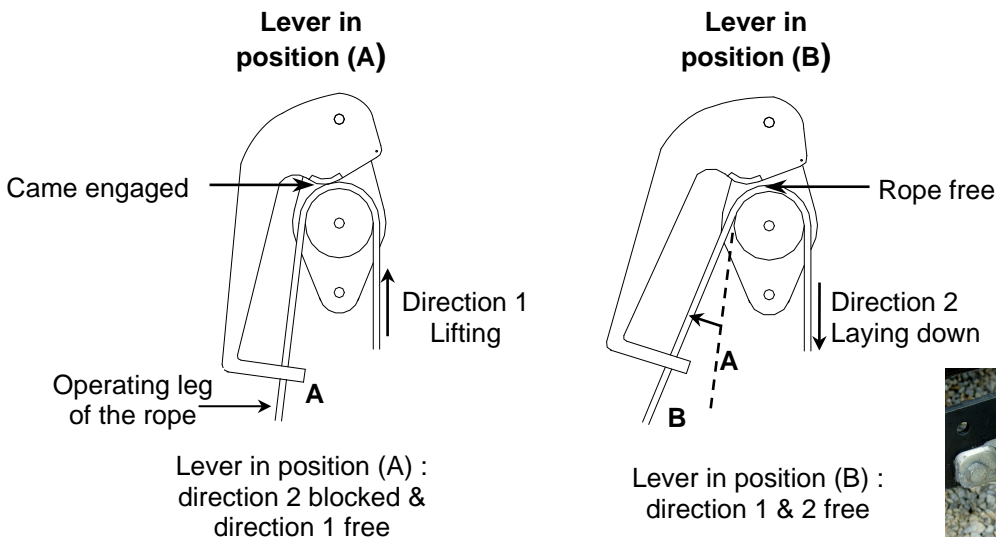
Pull on the manual operation rope leg. On both positions (A) and (B), the operator can lift and pull the load without difficulties.

The rope blocking mechanism is automatically engaged when the user release operation rope.

For laying down the load

The lever of lifting hoist is naturally in position (A) : contact of the corrugated cam on the rope permits movement in one direction only : direction 1 (lifting).

To release the rope and allow laying down of the load (direction 2), the operator must move the lever in position (B) with the operating rope leg. The cam releases the rope.



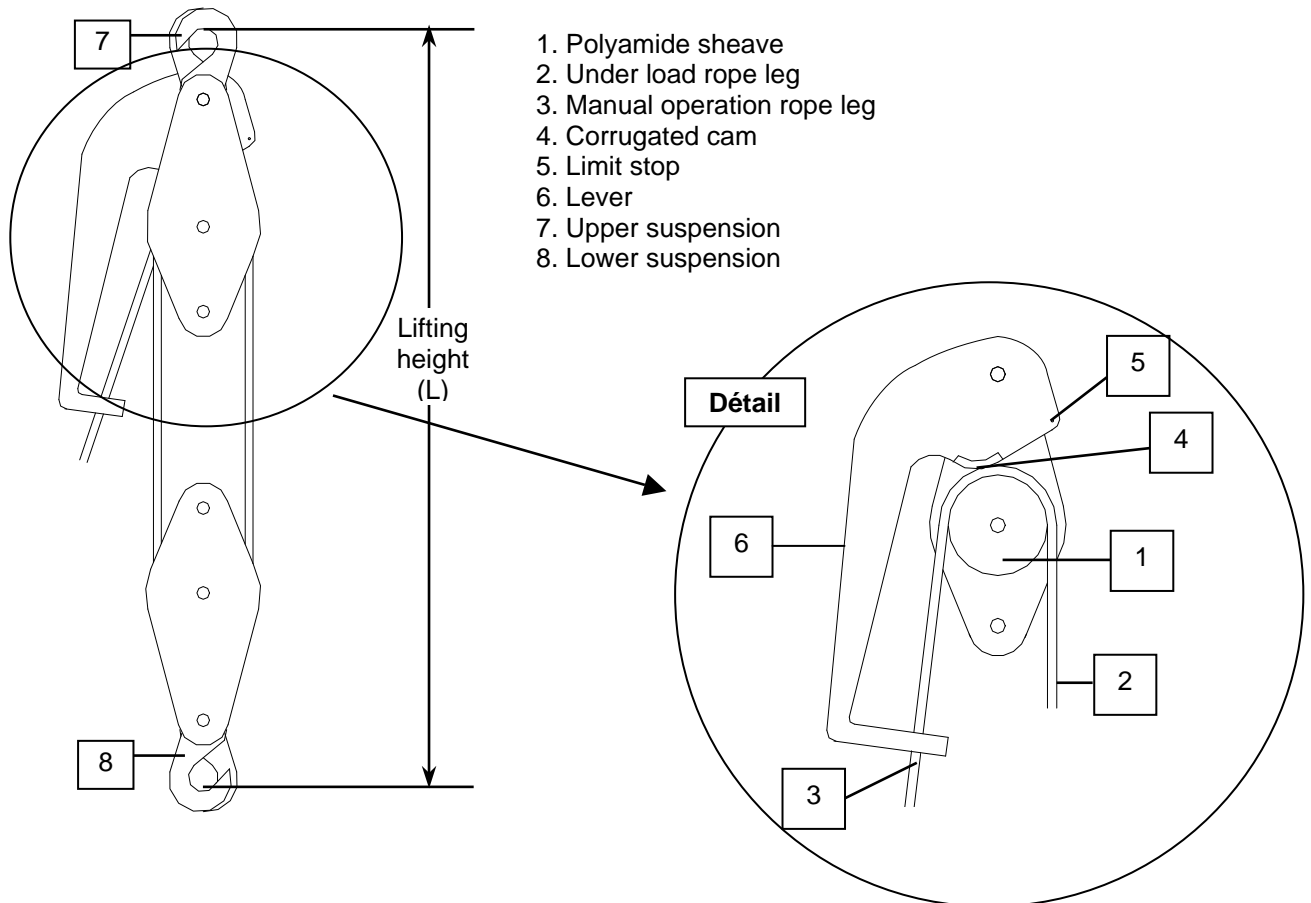
Technical characteristics

- Ultimate load is 4 times the working load limit (WLL).
- Zinc bichromated coating.

Dimensional characteristics

Type	Group code	WLL* (kg)	Nber of sheaves	L min (mm)	L max (m)	Weight (kg)	Upper suspension (7)	Lower suspension (8)	Delivered accessories
D202A	80009	250	3	315	7	1.9	Scissor hooks	Drop-forged swivel hook	Rope winder 1m length chain A wooden bar
D212A	80039			280	3	1.6		Scissor hooks	Rope winder 2 rings
D204A	80019	400	5	340	7	2.9		Drop-forged swivel hook	Rope winder 1m length chain A wooden bar
D214A	80049			290	3	2.2		Scissor hooks	Rope winder 2 rings
D206A	80029	630	7	390	3	3.7	Shackle	Drop-forged swivel hook	Rope winder 1m length chain A wooden bar

* WLL : Working Load Limit



Dimensional characteristics

- **NEVER USE FOR PERSONNEL LIFTING.**
- Use Temperature : -0° to +80°C.
- Strictly forbidden to either be under or to walk under the load.
- The **palanmatic** should be regularly inspected (priority checking: the rope, parts correctly assembled, no excessive movement, no excessive wearing or corrosion, no deformation, free rotating sheave).
- The palanmatic rope cannot be used for slinging a load.
- Never leave a suspended unattended load.
- The rope must not support high temperatures, abrasive or chemical elements.
- Never lift loads which have non-attached charges on top.
- Never install a palanmatic manual rope hoist upside down. Always take care to connect the upper suspension on a fixed or moving point and to attach the load to the lower suspension.

Subjected to technical modifications without notice – Non contractual document.