

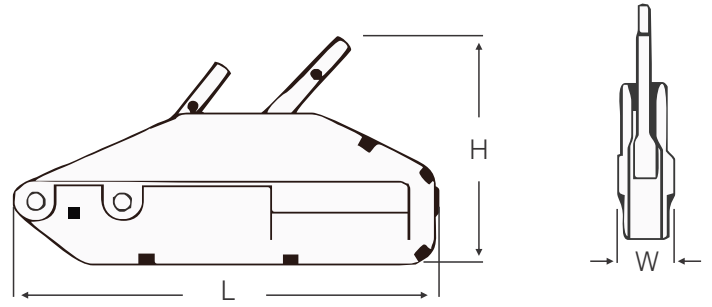


# steel wire rope lifting and pulling winch



# Steel wire rope winch

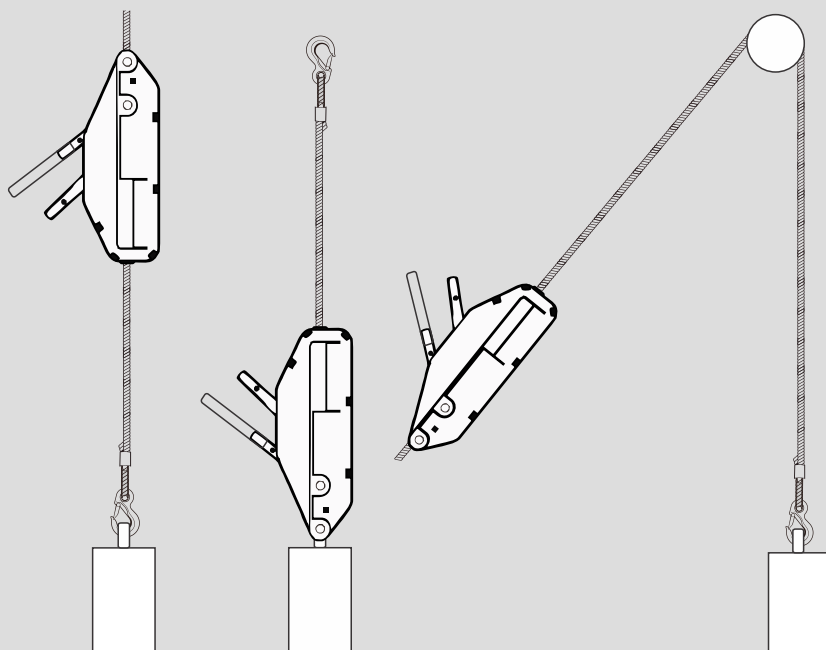
for pulling and lifting operations



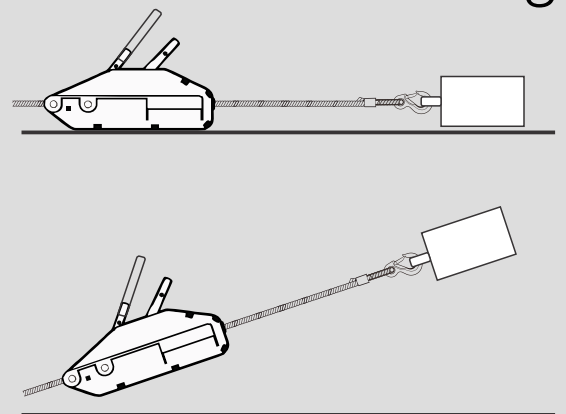
model	lifting capacity	pulling capacity	lever pull at rated load	forward travel	rope Ø	net weight			dimensions		
						body	SWR 20m	lever handle	L	W	H
	[t]	[t]	[N]	[mm]	[mm]	[kg]	[kg]	[kg]	[mm]	[mm]	[mm]
YAL008	0.8	1.2	284	52	8.3	6.4	7.0	1.15	440	70	255
YAL016	1.6	2.4	412	55	11	12.4	11.5	2.5	560	100	295
YAL032	3.2	4	441	28	16	23.3	23.5	2.5	675	120	350
YAL054	5.4	8.1	850	25	20	58	36	3.7	940	170	440

Factor of Safety 4:1

## Lifting



## Pulling

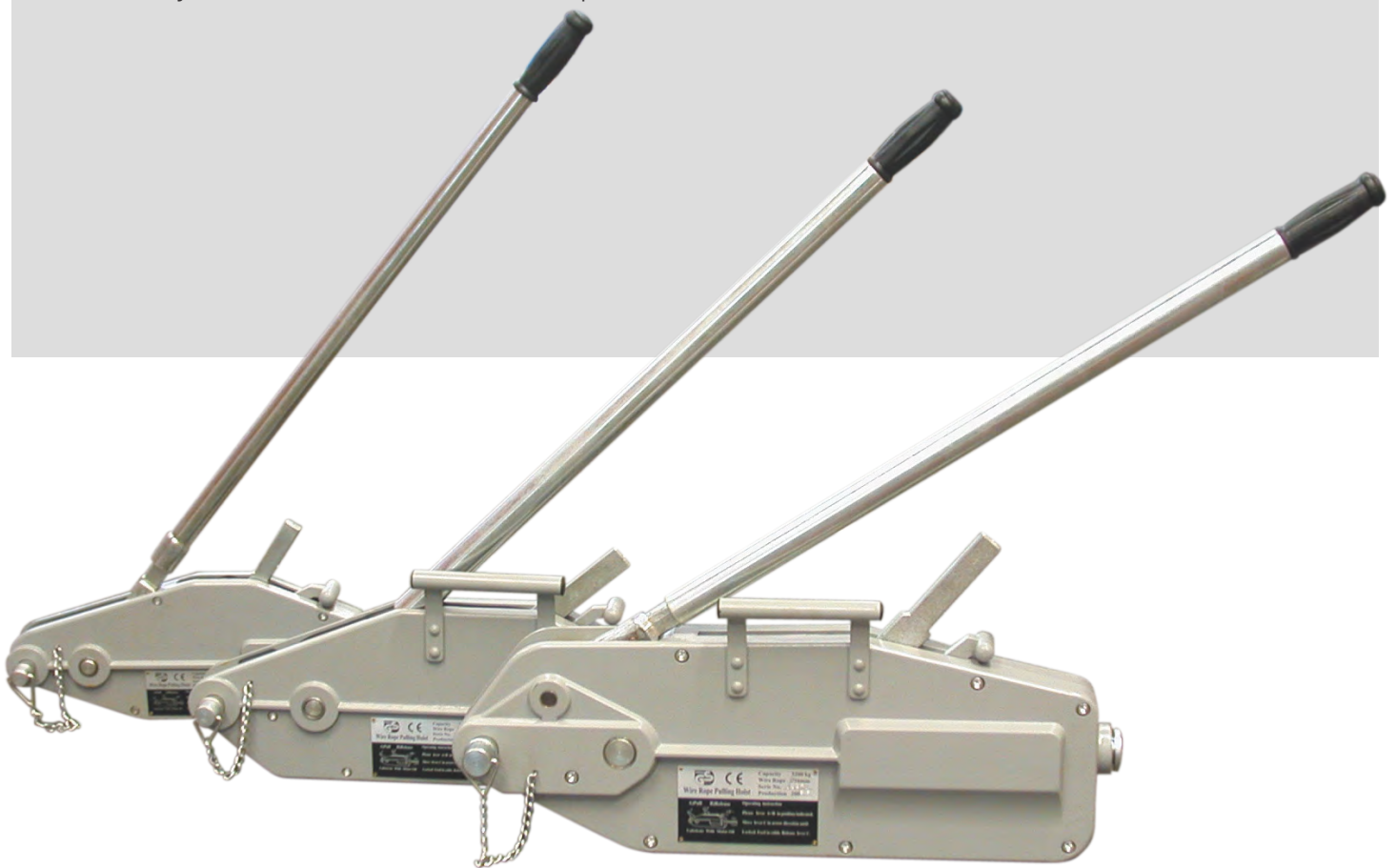


can be used at any angle

# Features

TITAN winches can be used for any lifting, lowering or pulling job within the rated capacity of the machine. They are particularly useful for longer pulls and higher lifts as the length of steel wire rope can be increased to suit the job.

- each winch is tested to 1.5 times the capacity.
- each winch has a built in shear pin which is designed to break at approximately 25% above the working load limit, this prevents excessive overloading. The pins can be replaced without releasing the load. Two spare shear pins are located in the carry handle.
- standard length of steel wire rope is 10, 20 or 30 meters but custom lengths are available on request.
- the light weight aluminium alloy body is designed with a large flat bottom surface for increased stability in horizontal as well as vertical positions.



**THIS WINCH IS NOT SUITABLE  
FOR LIFTING PERSONNEL**





## Before use check for

Inspect the SWR for defects such as twisted or bent links, kinks, bird caging excessive wear. Ensure the free end is slightly tapered to enable easy threading of the wire through the winch. Check for any increase in the throat opening of the hooks and distortion or damage to ferrule secured eye.

Presence of label and legibility of markings. If any defects are detected withdraw the winch from service.

## Operation

### Anchoring

The winch should be secured to a fixed point ensuring the Anchor pin (E) is fully engaged and locked. Secure the safety hook to the load and lay out the SWR.

### Insertion of SWR

Position levers A and B fully to the left. Move the rope clamp (C) left and then up to disengage the lock. Feed the tapered end of the SWR through the rope guide (D) and internal jaws from right to left until the excess SWR protrudes through the unit. Press the rope clamp down firmly to engage the lock. Check that the SWR is now locked between in the winch jaws.

### Commence winching

Slide the adjustable handle down over lever A and rotate to lock into position. Move the handle left & right to operate the winch and take up the load.

### Release the load

Remove the handle from lever A and place fully onto lever B. Move the handle from left to right to operate the winch and release the load. After the tension has been fully release move levers A & B fully right and

open the jaws by moving the rope clamp as described above.

## Cleaning, lubrication and storage

Keep all visual parts clean, free from grease, mud or material that may affect the performance of the winch. Spray the working parts except the jaws with chain lubricant.

Only use SWR as recommended by the manufacturer. When storing the unit for extended period clean and spray the unit and SWR to prevent rust.

Always wind the SWR back onto the spool for storage.

## Parts

1. Lever (A)
2. Lever (B)
3. Rope clamp (C)
4. Carry handle
5. Rope guide (D)
6. ID lable
7. Pivot pin
8. Anchor pin (E)
9. Cast aluminium body
10. Shear pin (F)
11. Adjustable handle

