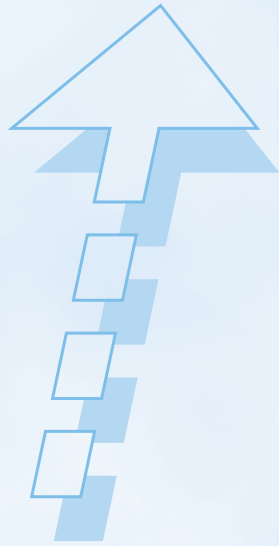
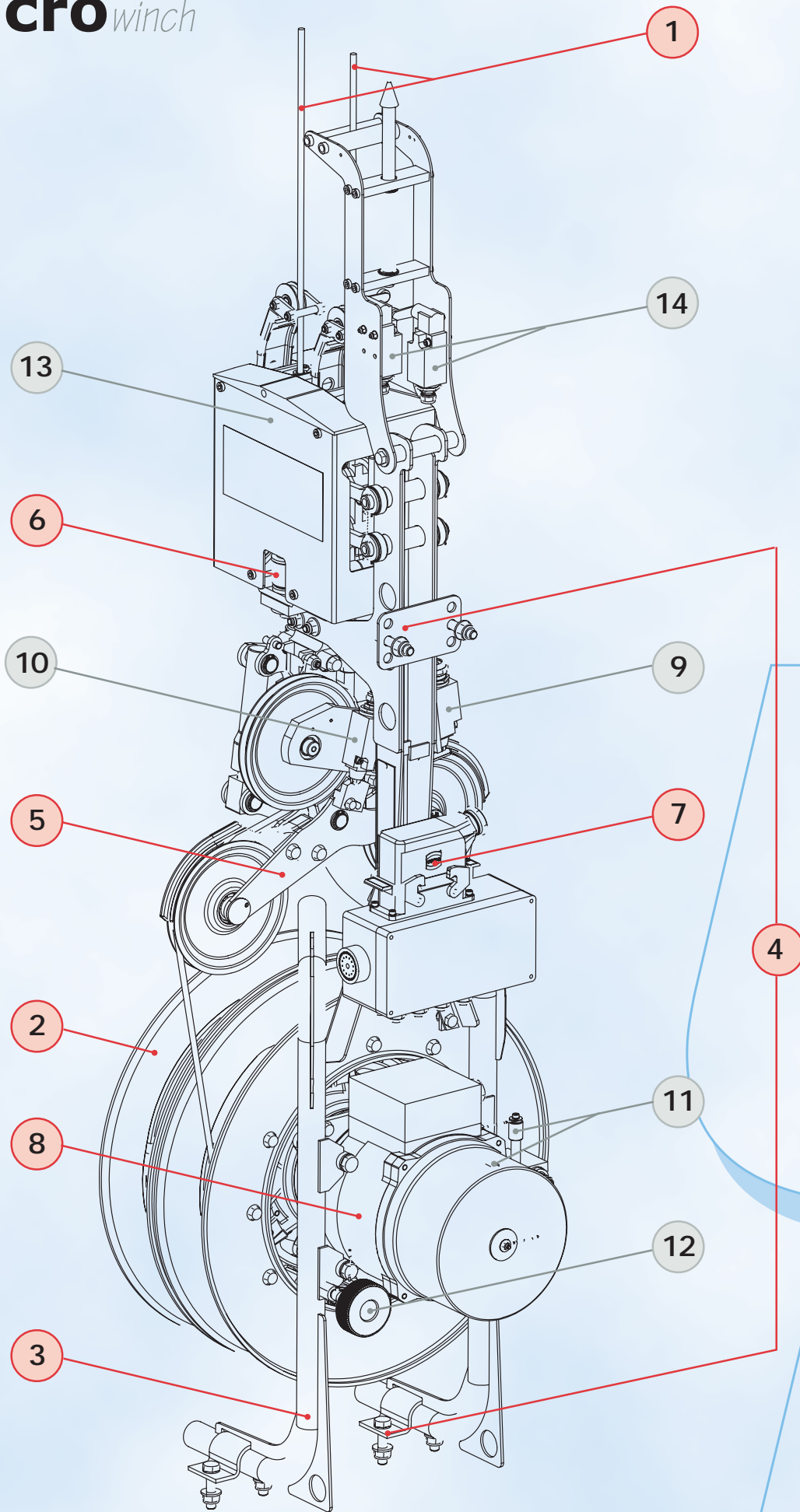


**S***Y***ncro** *winch*®



**Hoist for BMU Gondolas**



## UNIQUE BENEFITS OF THE SYNCROWinch<sup>®</sup> SW400/500 :

- 1 Unique two rope winch system with 50%-50% load distribution, eliminating rope jam !
- 2 Electrical powered twin grooved drum drive with differential, securing a permanent wire rope load distribution (50%-50%) ; drum capacity of 160 meters or optional 90 meters
- 3 No additional stirrup required ! The hoist frame incorporates all necessary equipment and safety devices to meet and exceed the EN 1808 Standard (CE label)
- 4 Easy attachment of the hoist frame to the gondola structure
- 5 Automatic rope layering system avoiding rope jumping
- 6 Fall-arrest device with emergency brake on each rope and shock absorber (providing a shock-load factor < 2)
- 7 Integrated wiring ! Only one multi-pin plug fitted to the terminal box
- 8 Quiet running

## OTHER STANDARD BUILT-IN FEATURES

- 9 Overload and no-load sensor
- 10 Slack rope sensor
- 11 Manual brake release for controlled descent in the event of power failure
- 12 Hand-wheel for manual lifting
- 13 Built-in electrical and mechanical anti-tilt or emergency stop device
- 14 Top and ultimate limit switch



The **Syncrowinch** model **SW 400** has received EC-type test approval from TÜV, Berlin. It is designed and built to meet and exceed the European Safety Standard EN 1808 for Building Maintenance Units (BMU).

The **SW 400/500** hoist is manufactured out of top quality materials. All required safety devices are integrated. No loose parts !  
The compact design of the **SW 400/500** allows an easy installation to the gondola.

The main frame of the **SW 400/500** hoist incorporates all components such as twin drum drive assembly, rope layering device, safety block with shock absorber, overload and underload sensor, top limit and ultimate limit switch, tilt sensor, terminal box with multi-pin connecting plug to connect control box.

The main frame acts as a stirrup which is fixed by 2 fastening points to the floor of the gondola. A third fastening point is located at the upper guard-rail for lateral stability.

Compared to a traction type hoist, the **SW 400/500** powered twin grooved drum system with differential and rope layering device ensures a much longer rope life and eliminates the common risk of rope jam.

The annual inspections are simple and few replacement parts are needed.

Following safety features are included in the **SW 400/500** hoist :

- overload and underload sensor
- empty drum limit switch
- tilt sensor and brake
- slack rope sensor with emergency brake on each suspension rope
- shock absorber for emergency stop
- speed limiter for manual controlled descent
- top and ultimate limit switch



#### Technical data of the SW 400/500 :

- lifting capacity : 400/500 daN
- maximum rope length : 160 m Ø 6,5 mm DIN 5038
- average lifting speed : 9 m /min
- total weight (without rope) : 90/110 kg depending on drum size
- weight of 6,5 mm rope per 100 m : 18 kg
- power supply : 3 x 400 V 50 Hz / 1 kW
- overall dimensions : depending on drum size

#### Optional equipment :

- grooved drums for maximum 90 m rope Ø 6,5 mm DIN 5038
- automatic intermediate stop
- remote control through suspension ropes
- central control box with 220 V power point
- manual emergency stop (for single suspension cradle)



**PLUMETTAZ S.A.**  
Zone industrielle En Vannel C  
CH-1880 BEX, Switzerland  
Tel. +41 24 463 06 06  
Fax +41 24 463 06 07  
www.plumettaz.ch  
sales@plumettaz.ch

