



INSTRUCTION MANUAL

P15 from 11 to 18kg

P25 from 22 to 28kg

P20 from 17 to 18kg

P30 from 27 to 34kg

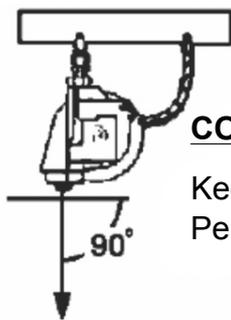
READ CAREFULLY THIS MANUAL BEFORE THE INSTALLATION

1- SAFETY TECNOLOGY

One of the main objectives of the companies is the reduction of production costs and at the same time to increase productivity. In this context, the ergonomics in the workstation is of importance maximum. The Draw™ Retractors Balancers provide safety and convenience in the production and assembly systems. Your constructive manner make them safe and durable as well as an indispensable item in the workbenches and assembly lines.

2- INSTALLATION MODE

Hang the balancer by swivel hook assembled on its top. The balancer should be placed directly over the work area. Your assembly must be done in such a way that minimizes the contact of the cable in the cable guide, in other words, perpendicularly. To prevent the fall/dropping of the balancer, install and secure, as indicated in the figure, a safety chain. The length of the safety chain should be the lowest possible, preventing that in case of rupture of the hook of sustaining the balancer does not fall more than 150 to 300 mm.



CORRECT

Keep the load hanging Perpendicularly.



INCORRECT

Working with the inclined load causes premature wear of the cable and the reel and excessive effort from the operator.

Fig. A

The fitting with trolley allows a better operation of the balancer and allows a greater area of coverage.

A- The Draw™ Balancers models P15 to P30 leave factory with steel cable of the 1,8m useful and 0,5m additional cable that is outside the body of the balancer which may be increased, if the user want, rising the cable gland (never down the cable gland because the cable will be loose and may overlap, locking the balancer).

B- All Draw™ Balancers is factory preset to the specified mid-range load. Ex: a balancer model P-15 has specified, on the label, the capacity from 11 to 18 kg and leaves factory preset to load of 15 kg.

C- To reload the balancer and adapt it to the workload, turn clockwise the hex nut (item 37) using a 5/8 (16 mm) wrench. To download, turn counter-clockwise the same nut (see figure B). Attention: Never download the balancer with the load hang down on the cable.

D- The balancer has on the back a handle (item 45) that locks the reel in 6 (six) positions at each turn. In this way, it is possible to handle the load without any effort from the operator (see figure B).

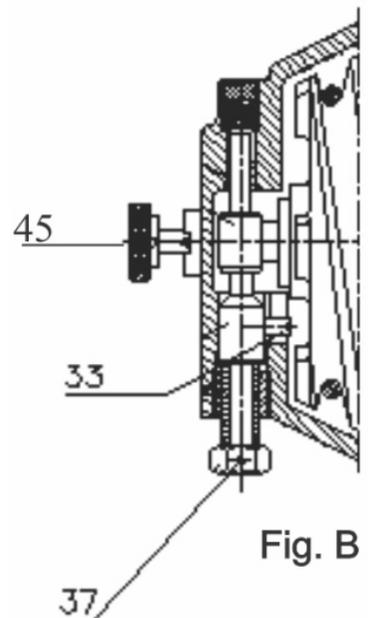


Fig. B

3 - MAINTENANCE

A- Prior the maintenance, download completely the spring tension as indicated in item 2 C until the cable is completely free of tension. Remove the frontal cover then remove the reel spring set, afterwards inspect springs, bearings, cap and pinion, observing all components.

B- It is important to examine the terminal of the cable by removing the plug (item 25) to detect any premature wear (see figure C)

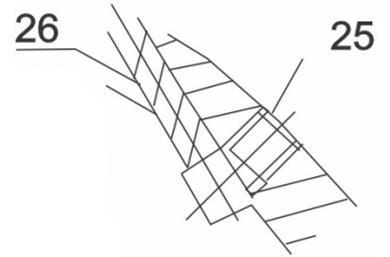


Fig.C

CABLE REPLACEMENT

When the cable indicates any sign of damage, this should be replaced immediately. Better to change the cable than run the risk of falling, losing the load or injuring the operator.

Security

The Draw™ Balancers model P15 to P30 have a security system that prevents load fall, in case of sudden rupture of the spring. In this case, with the absence of traction force, previously exercised by the spring, retracts the spindle-pinion system and the pin (item 33) locking the return of the reel (see Figure B).

4 - WARRANTY

Always use original Draw™ parts in replacing.

The Draw™ Balancers have 6 months warranty against manufacturing defects except for the cable, whose durability depends on the handling of the moved load, so inspect the cable every 15 days by checking if there was no disruption of some of the wires that composes the weft. Remember that the Draw™ Balancers are manufactured with first-class materials, so you will have a long-life balancer. Thank you for purchasing our products.

5 – CERTIFICATE

Serial Number: _____

Model: _____

Date of Purchase: _____ / _____ / _____ Invoice N°: _____

Owner: _____