

PLC



#### Contact

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## Pneumatic tensioner for steel strap

### Highest force for extreme applications

The lifting & lashing principle requires very special properties of the strap as well as of the strapping tool.

A brief explanation: The straps serve to lifting the load. As the entire weight of the strapped goods solely rests on the strap, an enormous belt thickness of 1.45 mm is needed. The strapping thus serves as sling gear. Lashing, on the other hand, refers to joining the load units with each other.

As this procedure is also of immense importance in shipping, the PLC can be used for lashing steel coils in the hull. Among other things, this form of load securing requires an extreme tensioning force that the PLC can deliver reliably up to 20,000 N.

The PLC is a pure tensioner working in conjunction with sealers SCR or DCR using crimp seals that allow controlled slipping of the strap in the seal and thus serve as shock absorbers. Enormous forces require extraordinary measures.

### Technical Data

|                            |   |
|----------------------------|---|
| Kind of drive (tensioning) | Pneumatic   |
| Tension force              | 20,000 N  |
| Dimensions                 | 400 x 130 x 140 mm (L x W x H)<br>15.7 x 5.1 x 5.5" (L x W x H) |
| Weight                     | 8 kg 17.6 lb  |
| Air pressure               | max. 6 bar flow pressure  |
|                            |   |

|                                     |           |
|-------------------------------------|-----------|
| Air consumption (during tensioning) | 10 NI / s |
|-------------------------------------|-----------|

### **Strap/Joint**

|                 |                                    |
|-----------------|------------------------------------|
| Type of strap   | Steel strap                        |
| Strap           | MEGABAND® special                  |
| Strap width     | 32 mm<br>1 1/4"                    |
| Strap thickness | 0.80 - 1.45 mm<br>0.031 - 0.057 in |

### **Application**

Lashing & Lifting: for load securing for rail and sea transport  
Strapping of e.g. steel coils, wood or cellulose, etc.