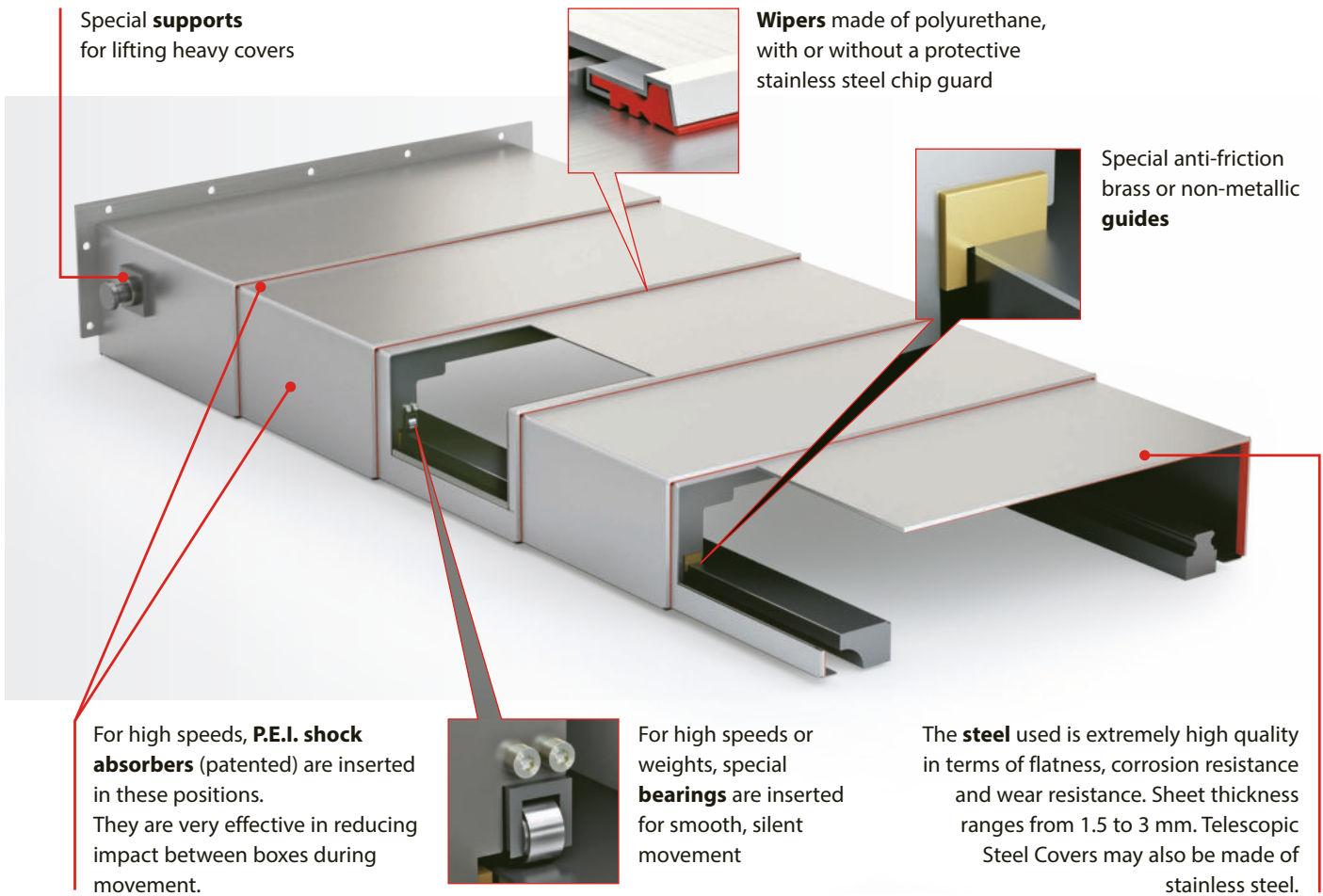
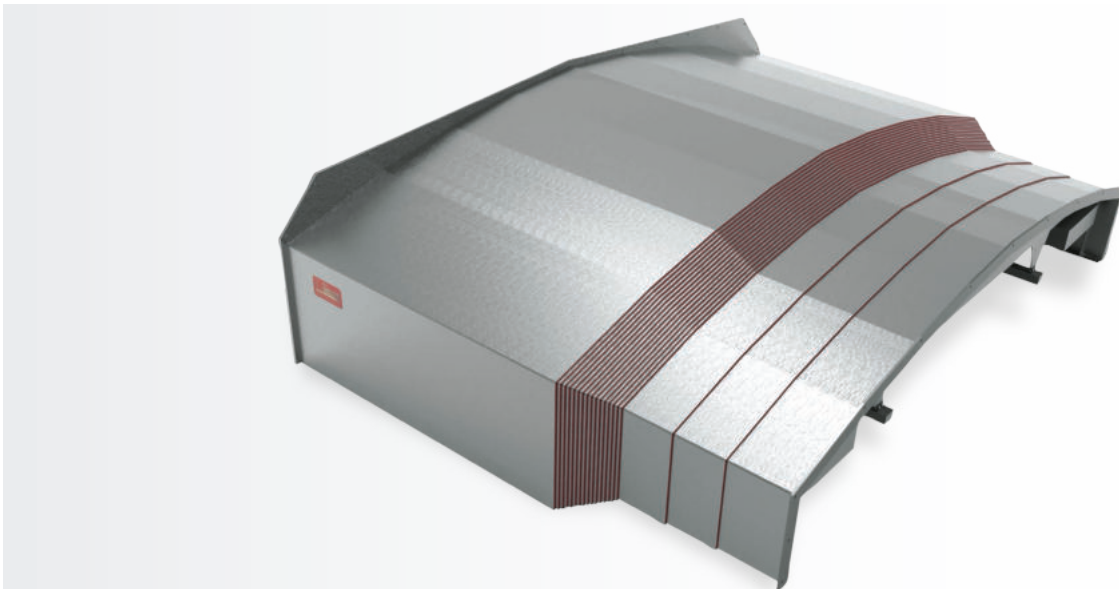




Telescopic Steel Covers for all types of machine tools



MULTIBEND The A++ cover for horizontal axes



MATHEMATICAL MODEL



In-house calculation software specially developed by **P.E.I.** to calculate bending of the boxes and for consequently optimising geometry and cost savings.

WEIGHT REDUCTION



Weight reduction of the cover by up to 50 percent compared to a standard telescopic cover.

ENERGY SAVING

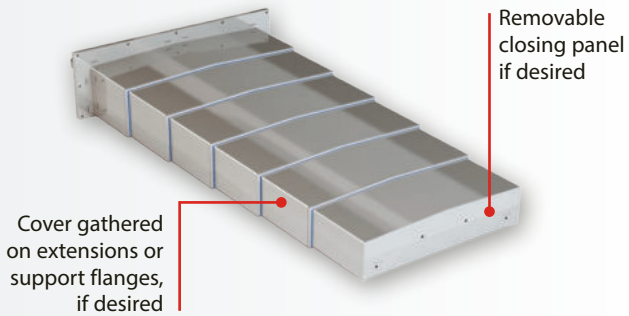


Reduction of the power required for driving the machine tool and abatement of CO₂ emissions.

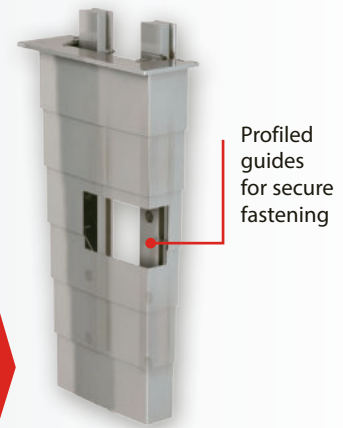


Working Positions

Horizontal position



Vertical position



Transverse position



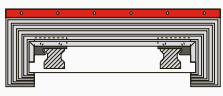
Transverse LATHE cover



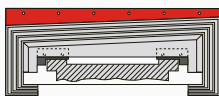
Configurations

Only a few standard configurations of Telescopic Steel Covers are shown below:

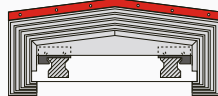
Shape 1



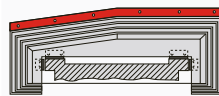
Shape 2



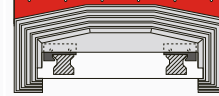
Shape 3



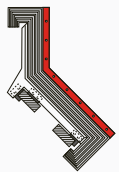
Shape 4



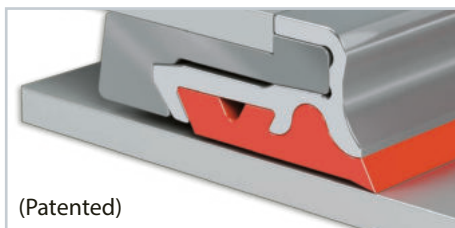
Shape 5



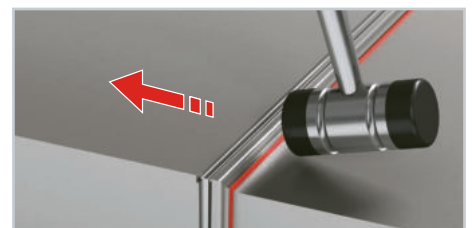
Shape 6



PR4A, the instantly replaceable and easily dismantable wiper



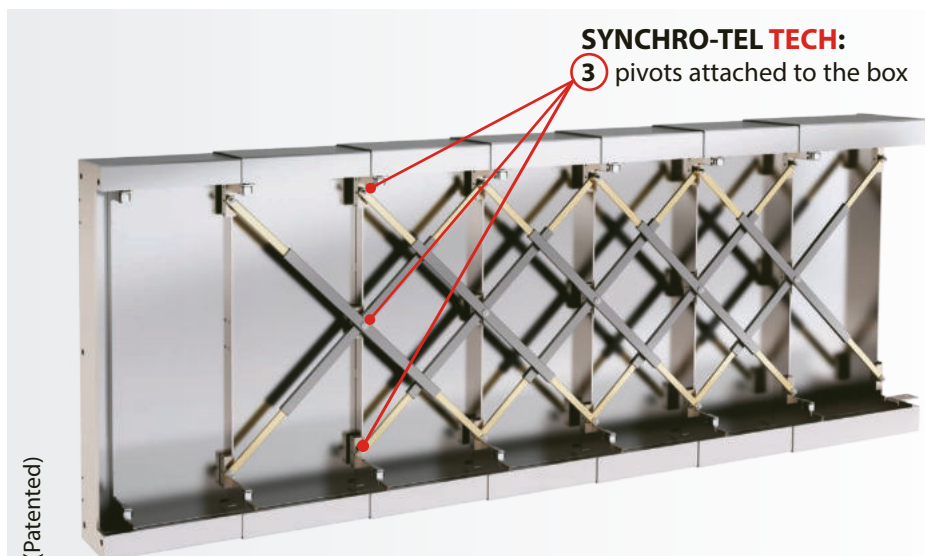
(Patented)



- **WIPER PR4A** is made of 3 independent elements: a solid metal profile on the telescopic cover box, a removable metal profile and a seal designed to clean the cover.
- The seal offers various technical features depending on the working conditions it is subjected (e.g. a working environment that uses coolants or a dry working environment in the **PR4A D** version).
- Telescopic covers equipped with **WIPER PR4A** allow the client to independently replace the wiper profile.

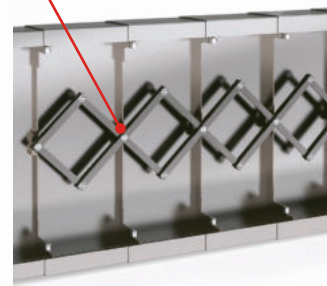


SYNCHRO-TEL The mechanical brace system that synchronizes movement in telescopic covers



SYNCHRO-TEL TECH:
3 pivots attached to the box

TRADITIONAL PANTOGRAPH:
1 pivot attached to the box



SYNCHRO-TEL TECH: a perfect fit.

P.E.I. has reduced the fit tolerance of the metal braces.

All pivots are attached to the boxes, avoiding sway of the braces.

- SYNCHRO-TEL TECH synchronizes the opening and closure of medium sized telescopic covers and is ideal for working at high speeds and acceleration. It generates minimum stress on the pivots.
- It is convenient, SYNCHRO-TEL TECH eliminates any collision between the boxes.
- Guaranteed stability of the telescopic shafts secured by three pivots to the boxes.
- Mathematical testing and calculations prove SYNCHRO-TEL TECH to be the most reliable and durable synchro system on the current market.

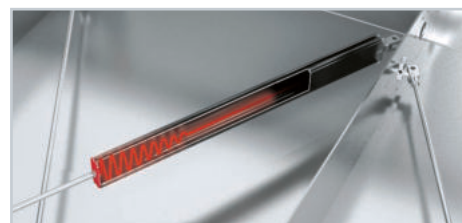
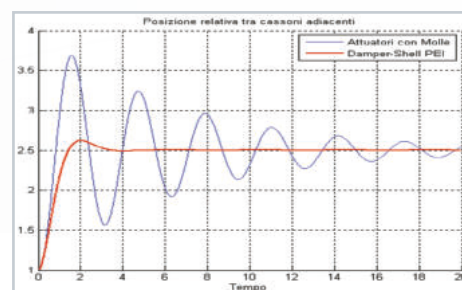
DAMPER-SHELL viscoelastic shock absorbers for energy dissipation in large scale telescopic covers working in horizontal and frontal positions



DAMPER-SHELL EVO

the energy dissipation is calculated for each project by means of a P.E.I. software and depending on the weight, speed and acceleration of the cover.

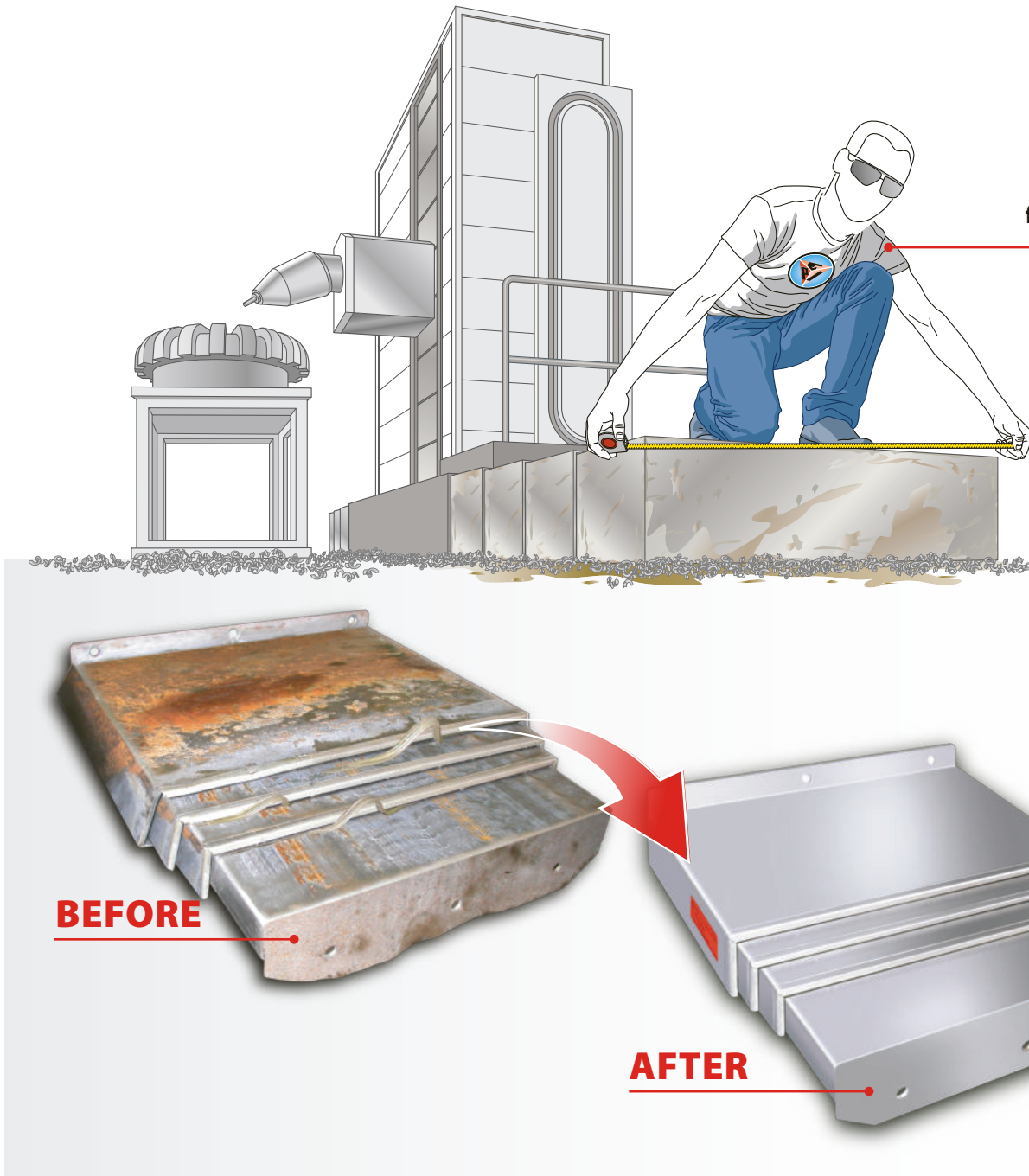
- DAMPER-SHELL EVO is made of a special P.E.I. formulation polymer fabric and is produced in two geometric dimensions.
- DAMPER-SHELL EVO guarantees up to 2.000.000 cycles.
- DAMPER-SHELL EVO is ideal for working speeds up to 100m/min and acceleration up to 1g.
- DAMPER-SHELL EVO is free from boost residue whether the telescopic cover is closed or in resting position.
- DAMPER-SHELL EVO opens smoothly during expansion without causing friction on the boxes.
- DAMPER-SHELL EVO has an excellent dimension/cost ratio.
- DAMPER-SHELL EVO is ideal for long strokes being a silent, durable and reliable solution.
- DAMPER-SHELL EVO is maintenance-free.





Metal telescopic cover OVERHAULING

Inspection of
P.E.I. staff
for field surveys



BEFORE

AFTER

- Overhaul of ALL TYPES of telescopic covers for machine tools
- Revision or replacement of damaged sections
- Replace riders or guide rollers
- Replace brass wear strips
- Clean and buffed to original finish
- If the telescopic cover cannot be repaired, we can offer you a completely new one.

- **SHORT DELIVERY TIME**