



Telescopic Steel Covers

For all types of machine tools.

For heavy covers:

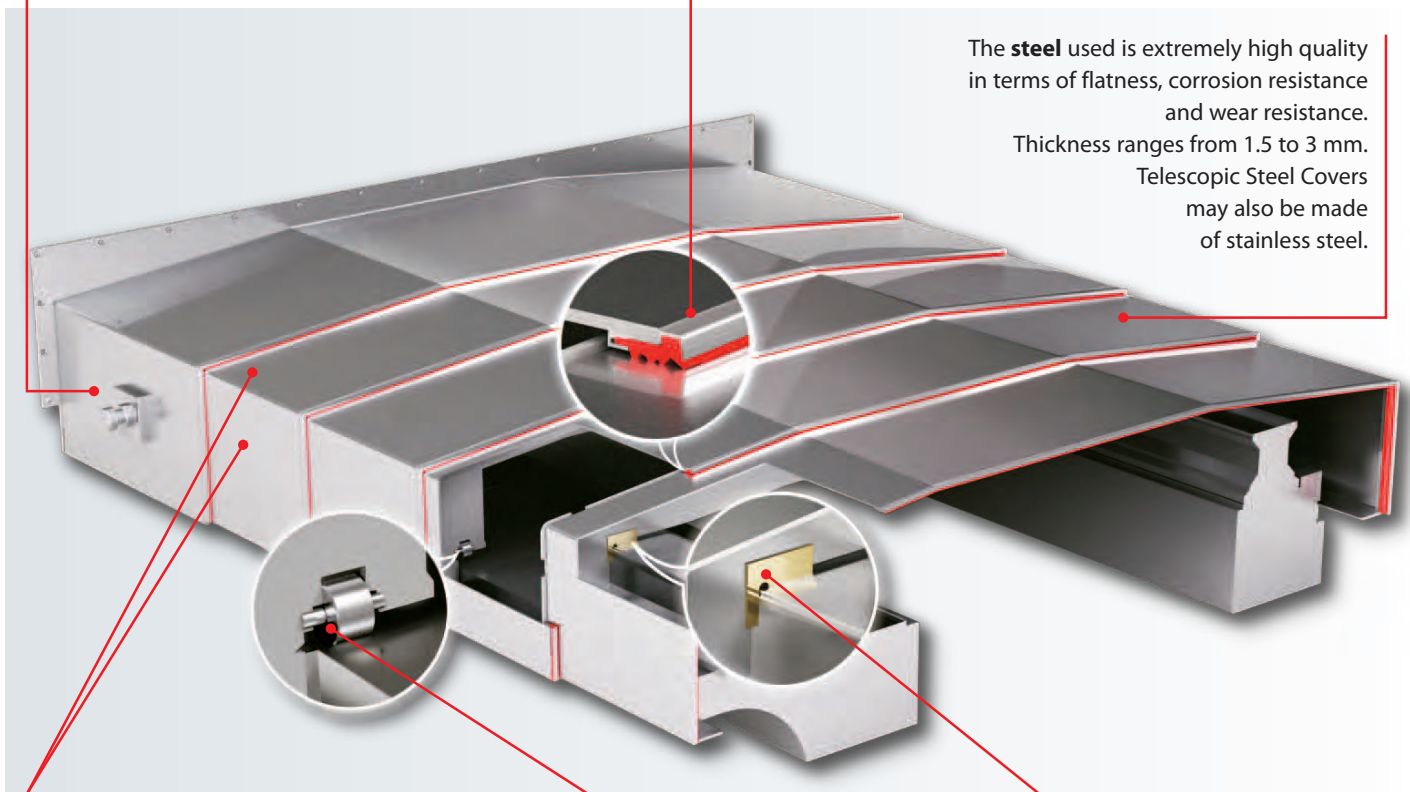
- a) over 110 kg for horizontal covers
- b) over 70 kg for front or vertical covers.

Special **supports** are included for easy, secure lifting.

Wipers keep the surface clean and prevent chips and shavings from getting onto expensive rails. They must be heat and coolant resistant, and thus are made of polyurethane, with or without a protective stainless steel chip guard.

Special anti-friction **brass guides** or **wipers** with polyurethane rubber are inserted on the sides of the Telescopic Steel Covers, at the discretion of the engineer based on speed, seal and dimensions.

The **steel** used is extremely high quality in terms of flatness, corrosion resistance and wear resistance. Thickness ranges from 1.5 to 3 mm. Telescopic Steel Covers may also be made of stainless steel.



For high speeds, **P.E.I. shock absorbers** (patented) are inserted in these positions. They are very effective in reducing impact between boxes during movement. These shock absorbers allow working speeds considerably higher than those previously possible, while simultaneously reducing noise levels and wear. This innovation, together with precision production methods, make it possible to accommodate even the fastest machine tools.

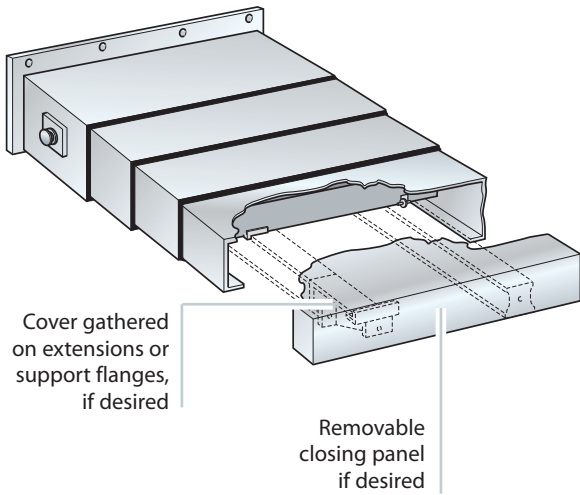
For high speeds or weights, special **bearings** are inserted for smooth, silent movement. Telescopic Steel Covers with bearings require tempered or auxiliary guides.

Compact, low-speed Telescopic Steel Covers are equipped with special anti-friction brass or non-metallic **guides**.

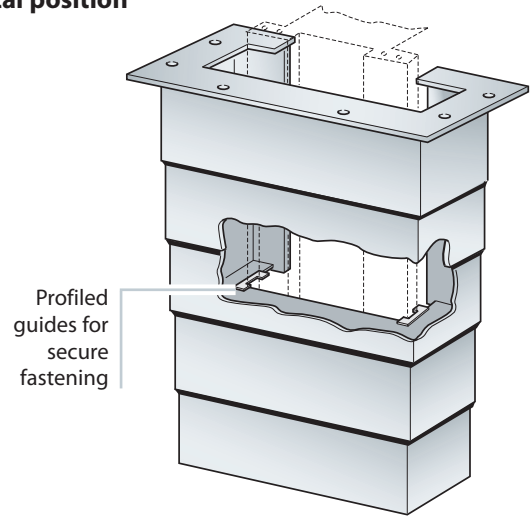


Working Positions

Horizontal position

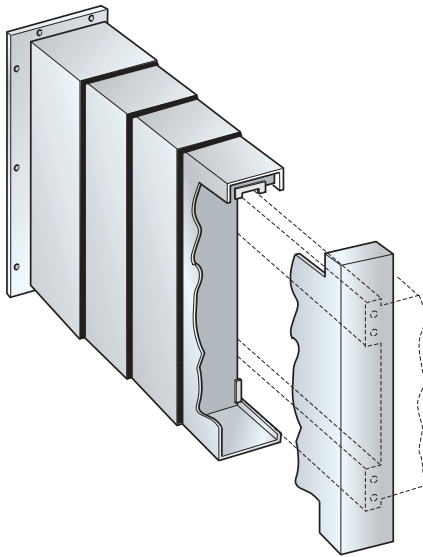


Vertical position

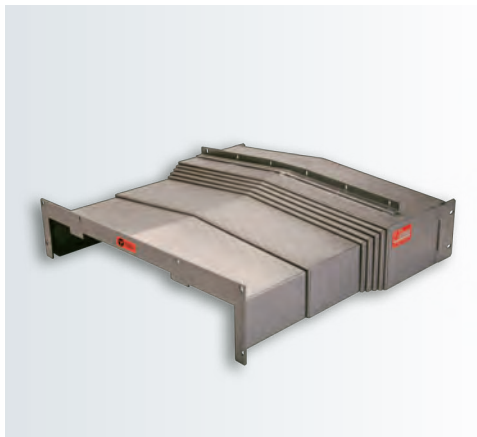
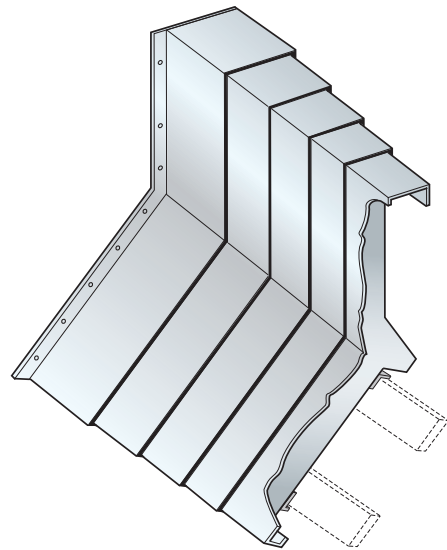


Snap-on guides available upon request for rapid frontal installation

Transverse position



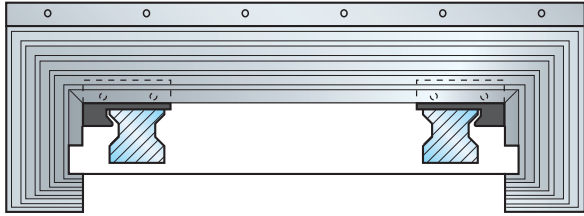
Transverse LATHE cover



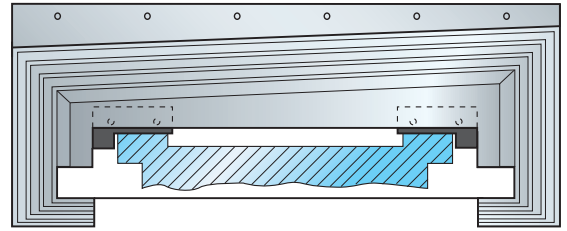


Configurations

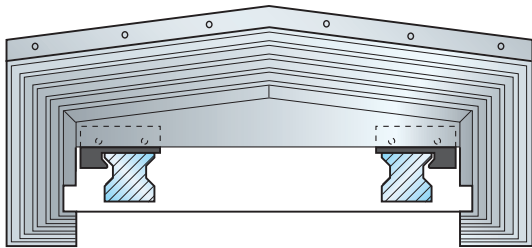
Shape 1



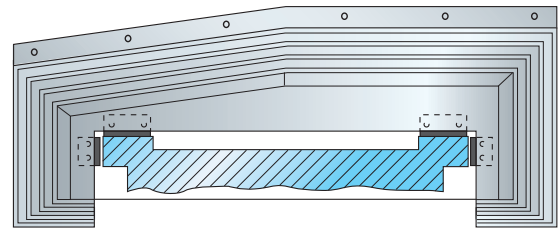
Shape 2



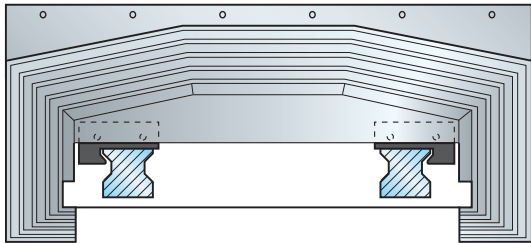
Shape 3



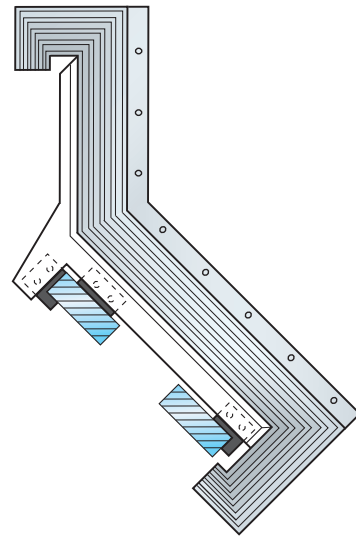
Shape 4



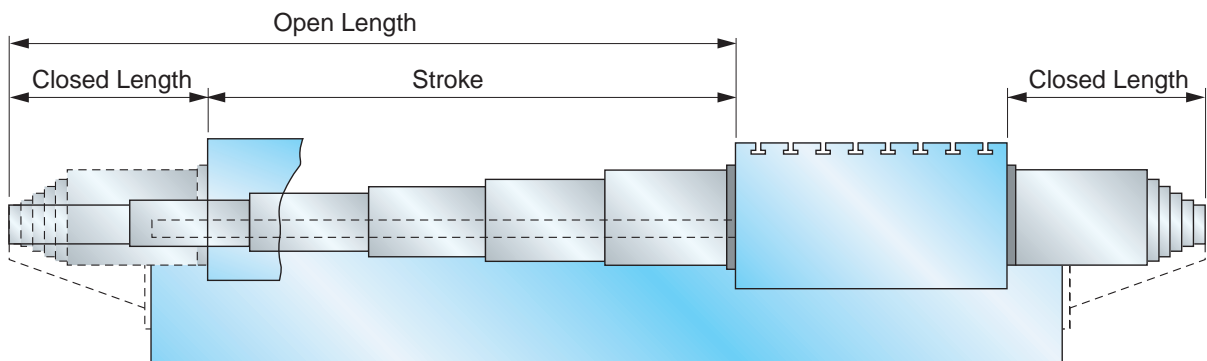
Shape 5



Shape 6



NOTE: Only a few standard configurations of Telescopic Steel Covers are shown above.



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DAMPER-SHELL

The new generation viscoelastic shock absorber that effectively reduces impact noise in large scale telescopic covers

- **DAMPER-SHELL** is ideal for working speeds up to 80m/min and acceleration up to 1g.
- **DAMPER-SHELL** opens smoothly during expansion without causing friction on the boxes.
- **DAMPER-SHELL** is free from boost residue whether the telescopic cover is closed or in resting position.
- **DAMPER-SHELL** has an excellent dimension/cost ratio.
- **DAMPER-SHELL** is ideal for long strokes being a silent, durable and reliable solution.
- Telescopic covers equipped with **DAMPER-SHELL** require quick and simple maintenance.



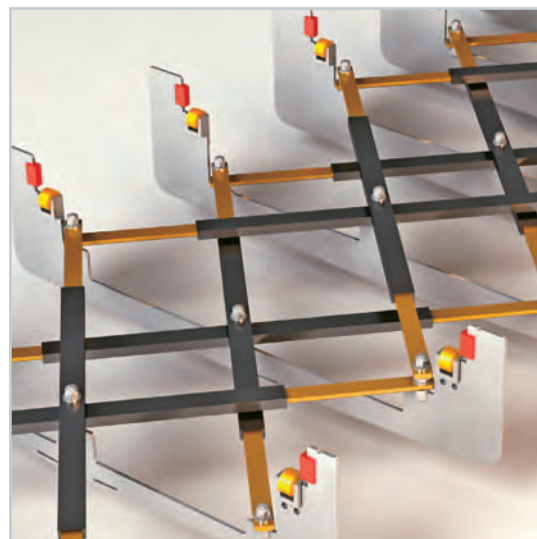
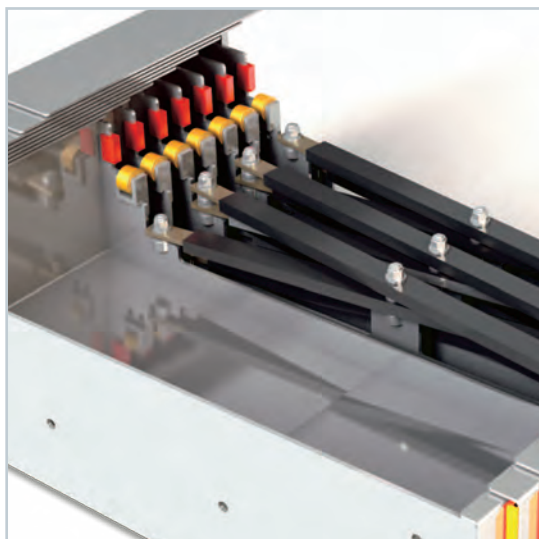
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SYNCHRO-TEL

The mechanical brace system that synchronizes movement in telescopic covers

- **SYNCHRO-TEL** is a mechanical system which synchronizes the opening and closure of medium sized telescopic covers.
- **SYNCHRO-TEL** is ideal for working at high speeds and acceleration.
- The shaft mechanism of the **SYNCHRO-TEL** telescopic cover eliminates any collision between the boxes.
- **SYNCHRO-TEL** generates minimum stress on the pivots.
- Guaranteed stability of the telescopic shafts secured by three pivots to the boxes.
- Guaranteed minimum closed length.
- **SYNCHRO-TEL** is a convenient and cost saving solution.
- Mathematical testing and calculations prove **SYNCHRO-TEL** to be the most reliable and durable synchro system on the current market.



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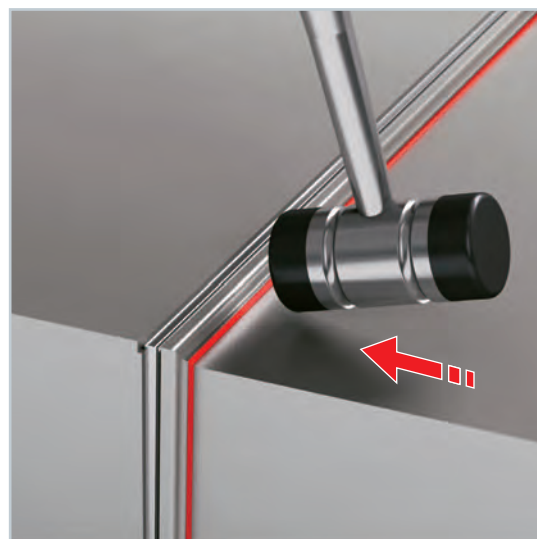


PR4A

The instantly replaceable wiper for Telescopic covers

Attention: disassembly not required!

- **WIPER PR4A** is a cutting-edge solution for replacing the wiper profile instantly and without stopping the machinery.
- **WIPER PR4A** is made of 3 independent elements:
 - firstly it has a solid metal profile on the telescopic cover box
 - secondly it has a removable metal profile
 - finally it has a seal designed to clean the cover.
- Telescopic covers equipped with **WIPER PR4A** allow the client to independently replace the wiper profile:
 - Release the removable part
 - Replace the removable metal profile ready-made for the new seal
 - **WIPER PR4A** offers a range of seals with different 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).



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