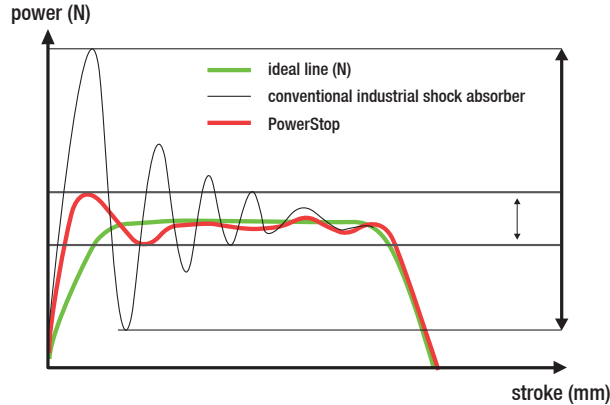


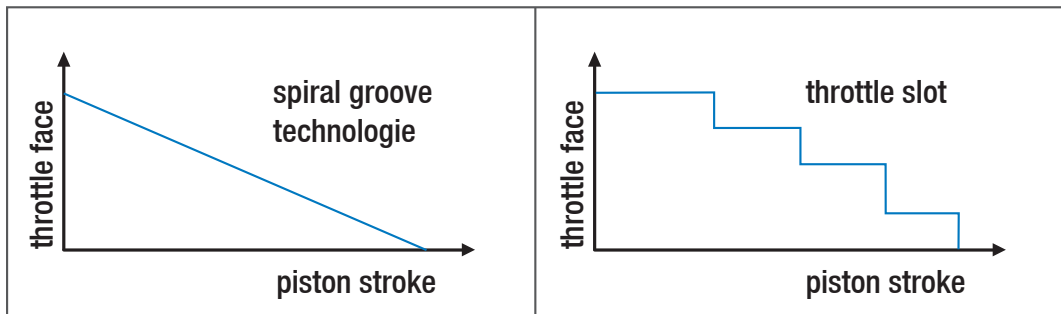
CHARACTERISTICS AND ENERGY INTAKE

The PowerStop approaches with its damping course to the ideal line of an industrial shock absorber. By the special sectioned groove a smooth energy absorption will be started, the variation of the braking power is low. So, an exact positioning will be ensured also with extreme quick damping cycles with a short stroke.



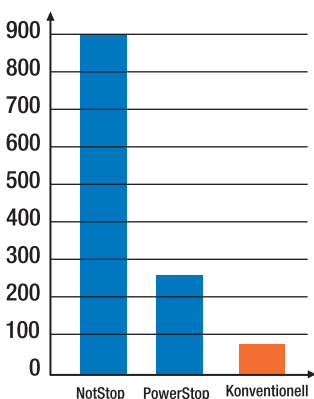
The characteristic curve of the spiral groove shows a continuous course of the throttle cross-section over the entire piston stroke. By this, in each piston position an ideal limiting is realized and the energy consumption optimized. The masses to be moved can be smoothly and safely positioned, also with slow speeds.

A further important advantage results by the STROKE-COURSE-ADJUSTMENT. In case the screw-in depth will be modified, the damping characteristic can be adapted individually to matter of application. Throttle bores, however, are producing a graduated characteristic curve with strong variations in the energy consumption!



WITH 3-TIMES OF ENERGY ABSORPTION!

By the spiral groove technology the energy consumption will be tripled in comparison to the conventional type with throttle bores (under comparable test conditions)!



The diagram shows the energy consumption at the example of construction series: M33 x 1.5, stroke 30mm.

result:

- higher energy consumption
- smaller construction series