

MWE SOFT STOP TECHNOLOGY

For round profile rail 25 mm & for ceiling profiles of the TERRA systems



www.mwe-na.com

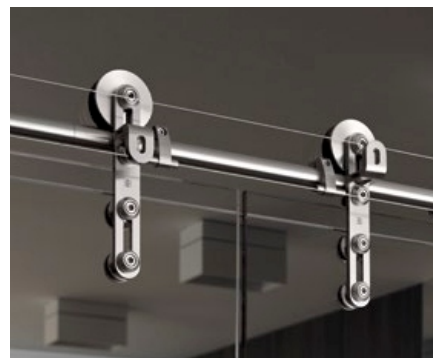


A PASSION FOR QUALITY

MWE stands for maximum production quality and a great love of detail.

We consider it our philosophy and task to develop products from Germany that consistently correspond with the spirit of the times and also enables room for individuality. This means that all MWE employees always correspond with the highest standards involving design, production quality, and functionality.

In particular, all products are subject to a complex production sequence, approx. 98% of which takes place on our own premises. MWE uses state-of-the-art CNC machines, and this unique final result is achieved via careful, hand-crafted surface refinement. Paired with its exemplary customer communication strategy, MWE's leading technology produces 'Quality built on Passion'!



Door Systems



Shower Systems



Ladder Systems



- + 98% on-site production
- + State-of-the-art CNC technology
- + Finished and assembled by hand
- + Designed and produced by MWE
- + In-house quality testing



MWE SOFT STOP TECHNOLOGY

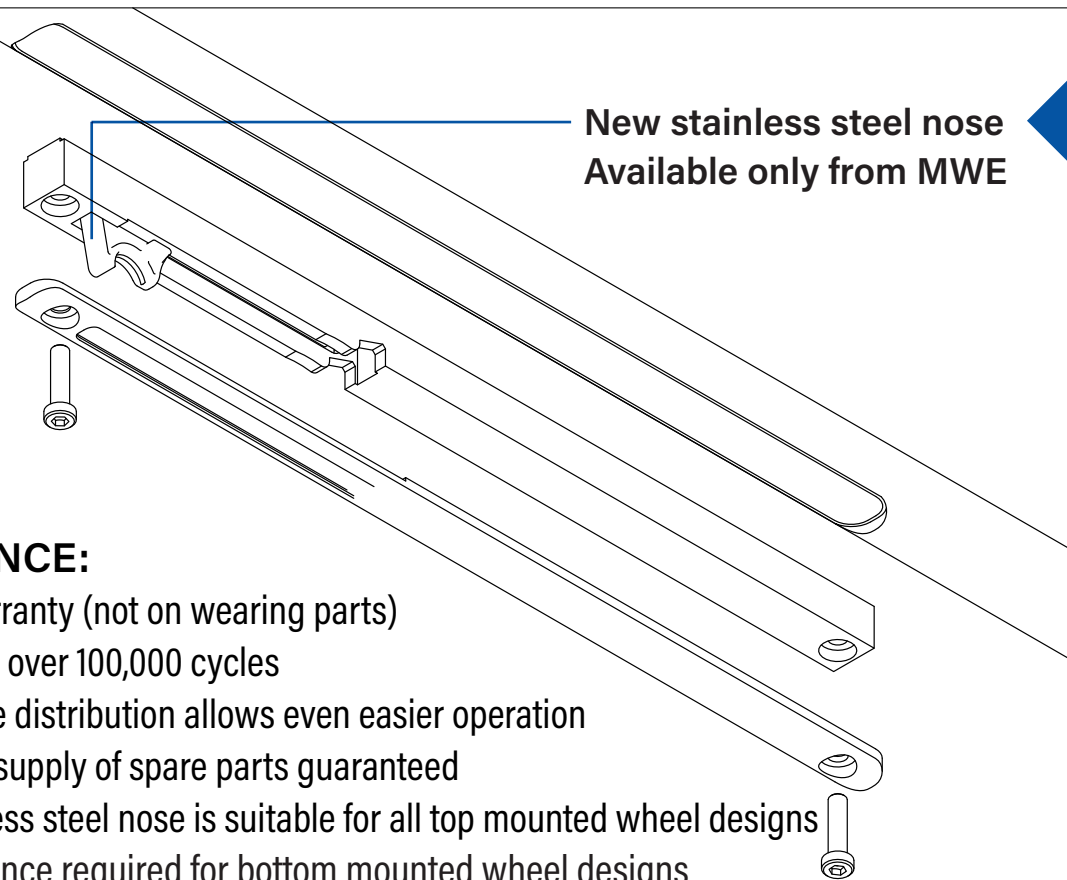
For the round profile rail (ST.2000) ST.3600, 2.5 cm

In an intensive development process, the MWE soft-stop technology for round profile rails was completed. After the successful long-term tests with over 100,000 cycles and with a maximum door leaf weight of 220 lbs., the new MWE soft-stop technology is now available.

With the reduced lift power, the door is much easier to operate, thus the use of a cup pull is now possible.

Thanks to the stainless steel nose, the life of the damper is significantly longer than comparable systems in the market.

WHAT IS NEW?



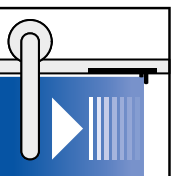
AT A GLANCE:

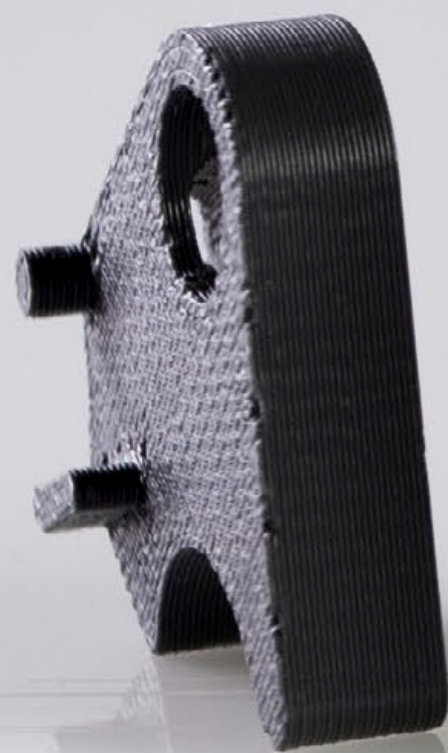
- + 2 years warranty (not on wearing parts)
- + Tested with over 100,000 cycles
- + Linear force distribution allows even easier operation
- + Long-term supply of spare parts guaranteed
- + New stainless steel nose is suitable for all top mounted wheel designs
- + Less clearance required for bottom mounted wheel designs
- + Dampers are easily installed into the solid stainless steel rails
- + Instead of 165 lbs. now up to 220 lbs. door weight



MWE SOFT STOP TECHNOLOGY

The **MWE soft-stop technology** ensures a particularly comfortable operation on MWE sliding door systems. Just before the final position takes over the SOFT STOP mechanism automatically engages to ensure a gentle opening and closing of the door.





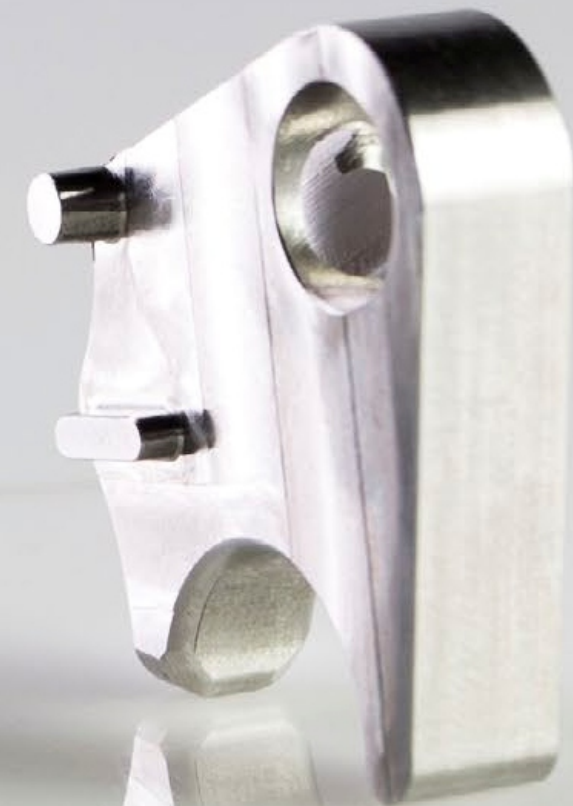
1. Step: 3D printing



2. Step: Vacuum casting

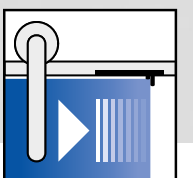


3. Step: Stainless steel + POM



4. Step: Solid stainless steel

SHOWING FROM A TECHNICAL & AESTHETIC VIEW
THE MODIFIED NOSE, IS NOW MANUFACTURED
COMPLETELY OF STAINLESS STEEL



SYNCHRONIZED APPLICATIONS NOW ALSO
AVAILABLE WITH MWE SOFT-STOP TECHNOLOGY



SYNCHRONIZED APPLICATIONS NOW ALSO
AVAILABLE WITH MWE SOFT-STOP TECHNOLOGY



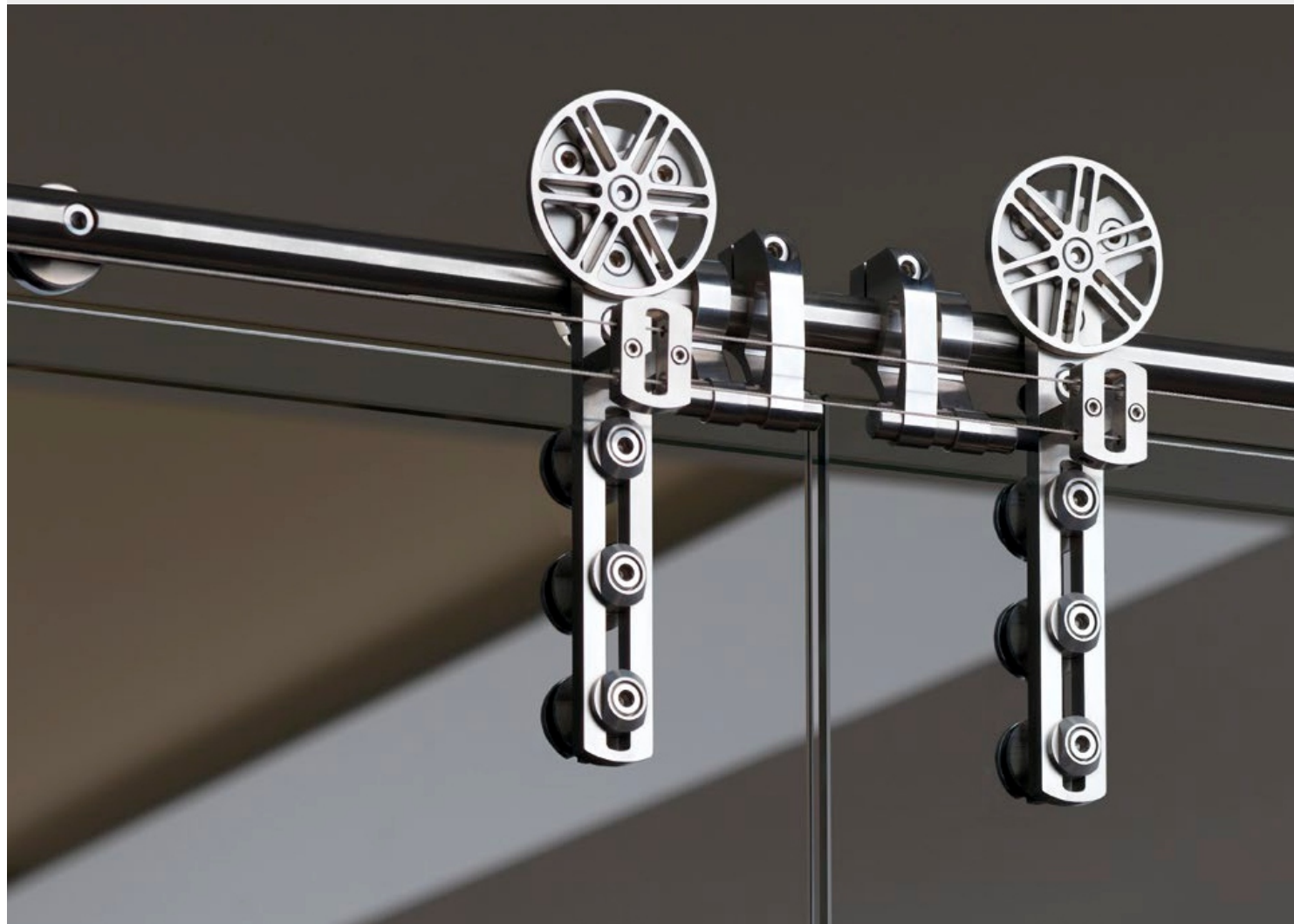
Synchronized Systems

with MWE soft-stop technology

Since the installation of a damper can significantly increase the degree of comfort of a sliding door, of course everyone will want to take advantage of these benefits, even if you have a synchronized sliding door.

The wire construction of the synchronized technology allows the opening of a double door with just one hand.

Now it is possible to combine synchronization with MWE Soft Stop Technology simplifying the handling once again.



Synchronous system with
MWE Soft Stop technology
System CHRONOS



To the video
SPIDER
Synchronous system

System TWIN in a modified version

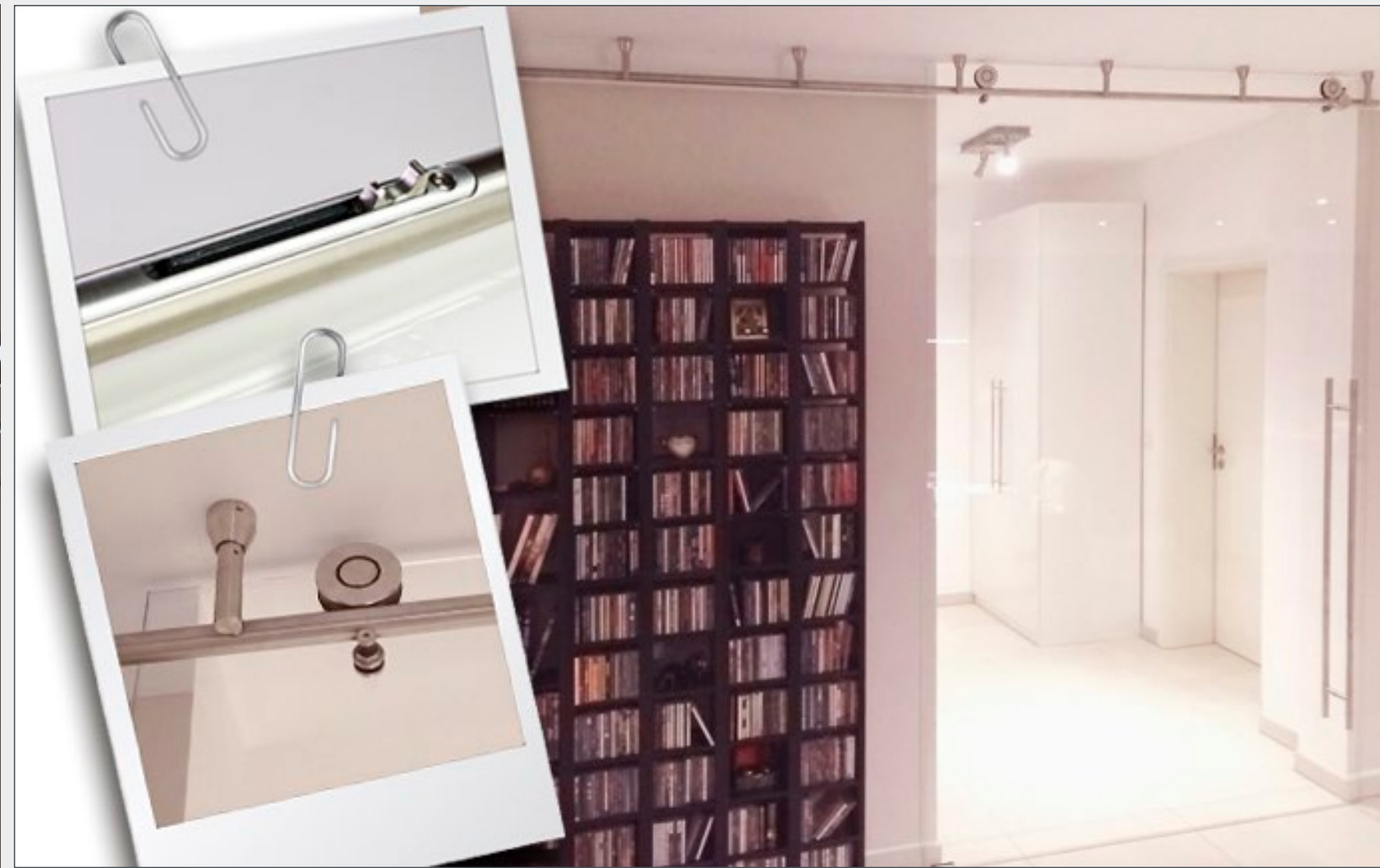
with MWE soft-stop technology

The TWIN system, shown below, is with two wheels above and below the track.

Here, the new MWE soft-stop technology was included! The lower wheels were replaced with MWE anti-jump wheels which are used to set the MWE Soft Stop damper into motion.

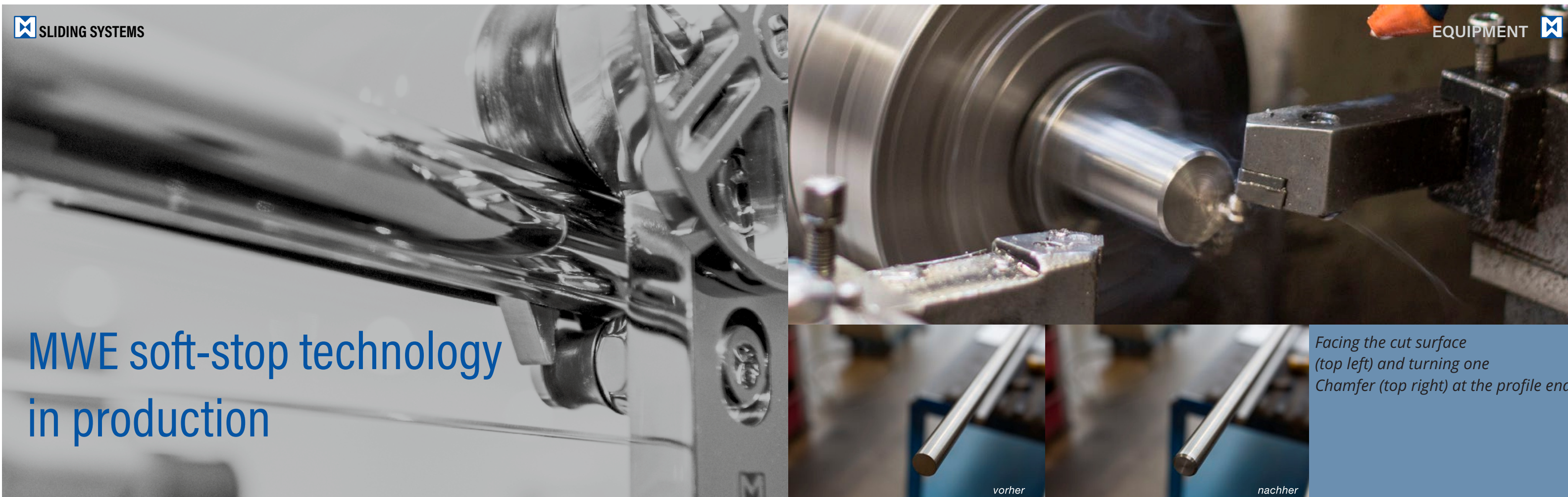
When sliding, the door now opens very gently and automatically and it can be closed just as easily and quietly.

The advantage adds a quiet, smooth soft close feature to the already proven Twin system.

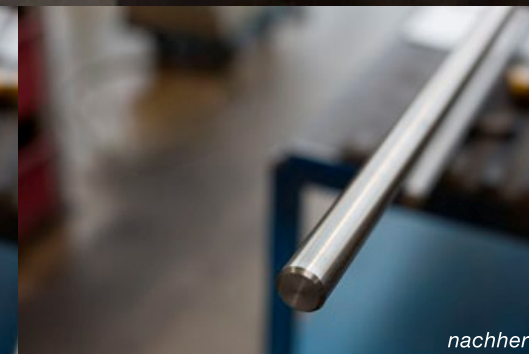


Customer Photos:
TWIN with original
MWE-SOFT-STOP technique

MWE soft-stop technology in production



vorher



nachher

Facing the cut surface (top left) and turning one Chamfer (top right) at the profile end



SAWS

BRINGING YOU THE RIGHT LENGTH

MWE Soft Stop is integrated into custom rail lengths which allows for the perfect stopping location of the door. The process starts with our technical department who drafts the ideal length and provides the production crew with drawings specific to your project. Rails are cut from longer lengths to the specified dimension and are prepared with the pre-drilled holes for wall or ceiling fastenings. The rails are routed for the Soft Stop mechanism before carefully being assembled.

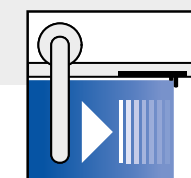
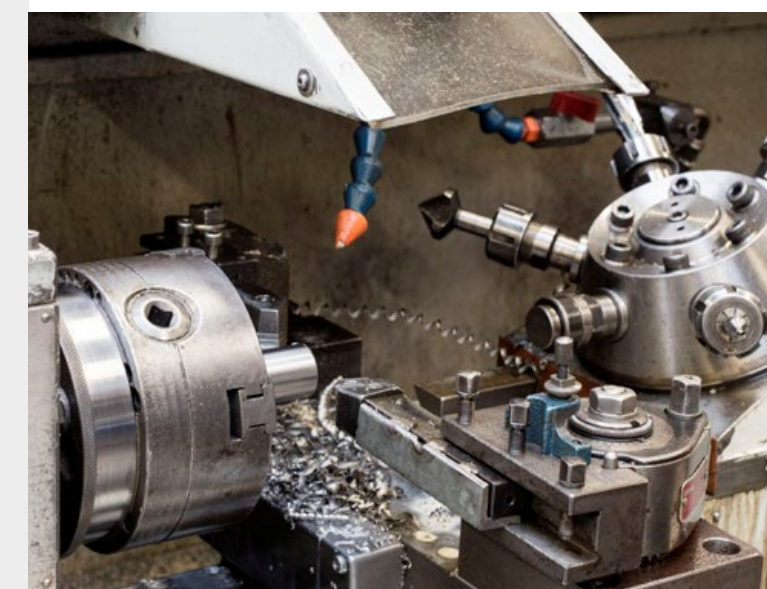
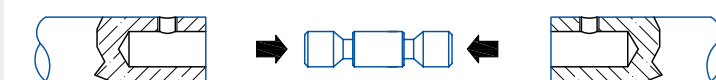


WHAT HAPPENS IN ONE HAND REVOLVER LATHE?

All components feature a 600 grit "jewelry" finish offering a luxurious quality.

The many years of experience our production employees bring, results in a sense of design proportion, which at MWE is indispensable.

Rail connectors join segments of rail seamlessly.



MILLING

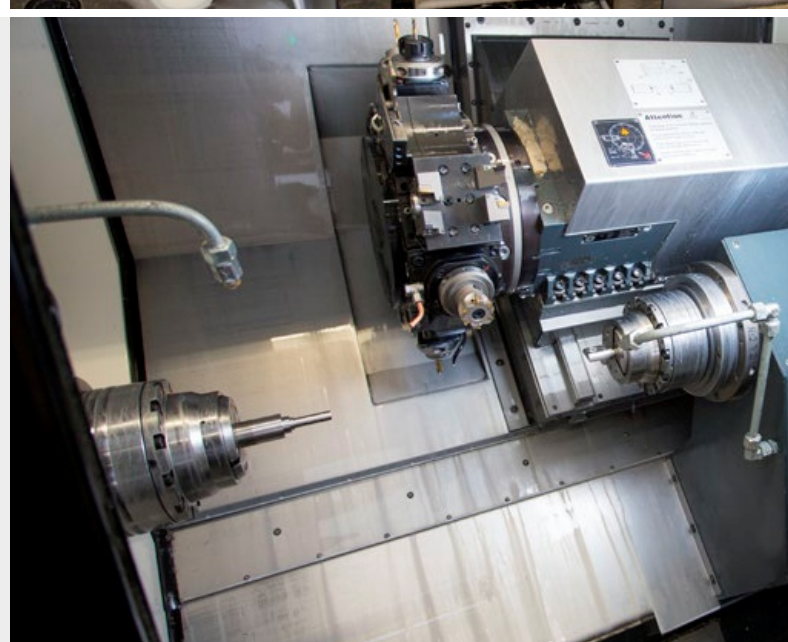
WHERE THE DAMPER IS CREATED

The MWE soft stop mechanism is housed within the rail and is milled out using a router. This position within the rail has been precisely calculated to ensure the door will stop where it is desired.



PRODUCING THE SOLID STAINLESS STEEL NOSE

The nose of each soft stop is produced by one on-site CNC machine which is dedicated to milling this individual component.



The cover plate of each soft stop mechanism is the key to the seamless design. This cover plate is produced to perfectly conceal the Soft Stop mechanism and fit perfectly within the routed rail. This is then polished to complete the quality assembly.

POLISHING

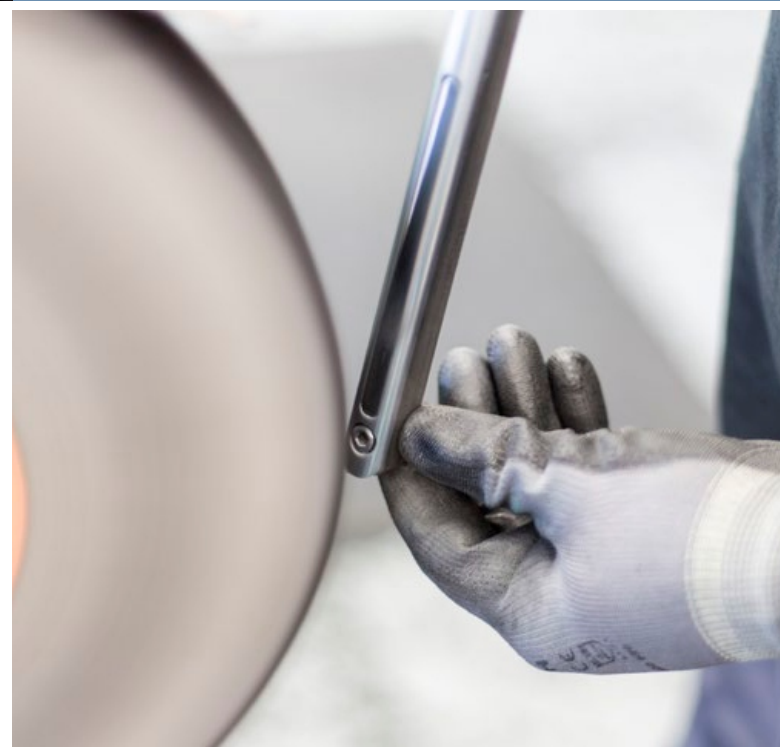
One of the aesthetic features our soft-stop technology offers is the highly polished cover.



GRIND

THE SURFACE IN MWE QUALITY

During the finishing process where each rail gets its signature 600 grit "jewelry" finish, to avoid affecting the routed slot for the soft stop, a "dummy" is inserted filling the slot temporarily.

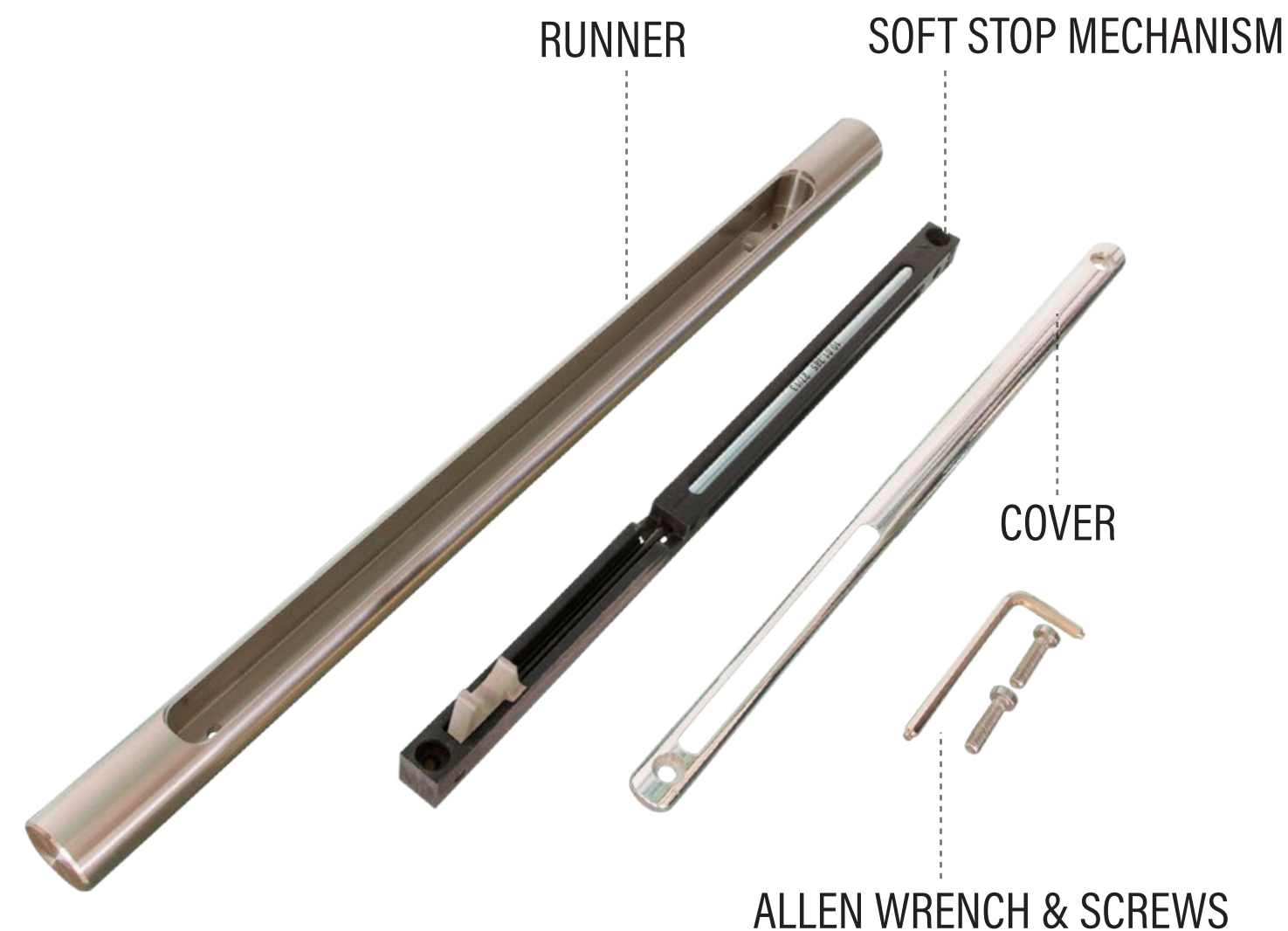




ASSEMBLY

CLICK, SCREW, FINISHED

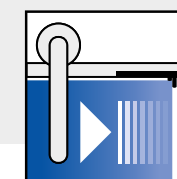
The assembly of the soft stop within the rail is simple. Consisting of the Soft Stop mechanism, carefully routed custom rail length and polished cover plate, is all elegantly assembled with MWE hexagon head screws.

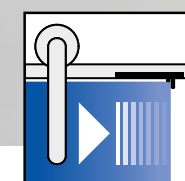


To illustrate the new MWE soft-stop technology, how it works and its elegance, we made a video in which you can watch both the damper and the fittings in motion.

NEW

MWE Soft Stop Technology



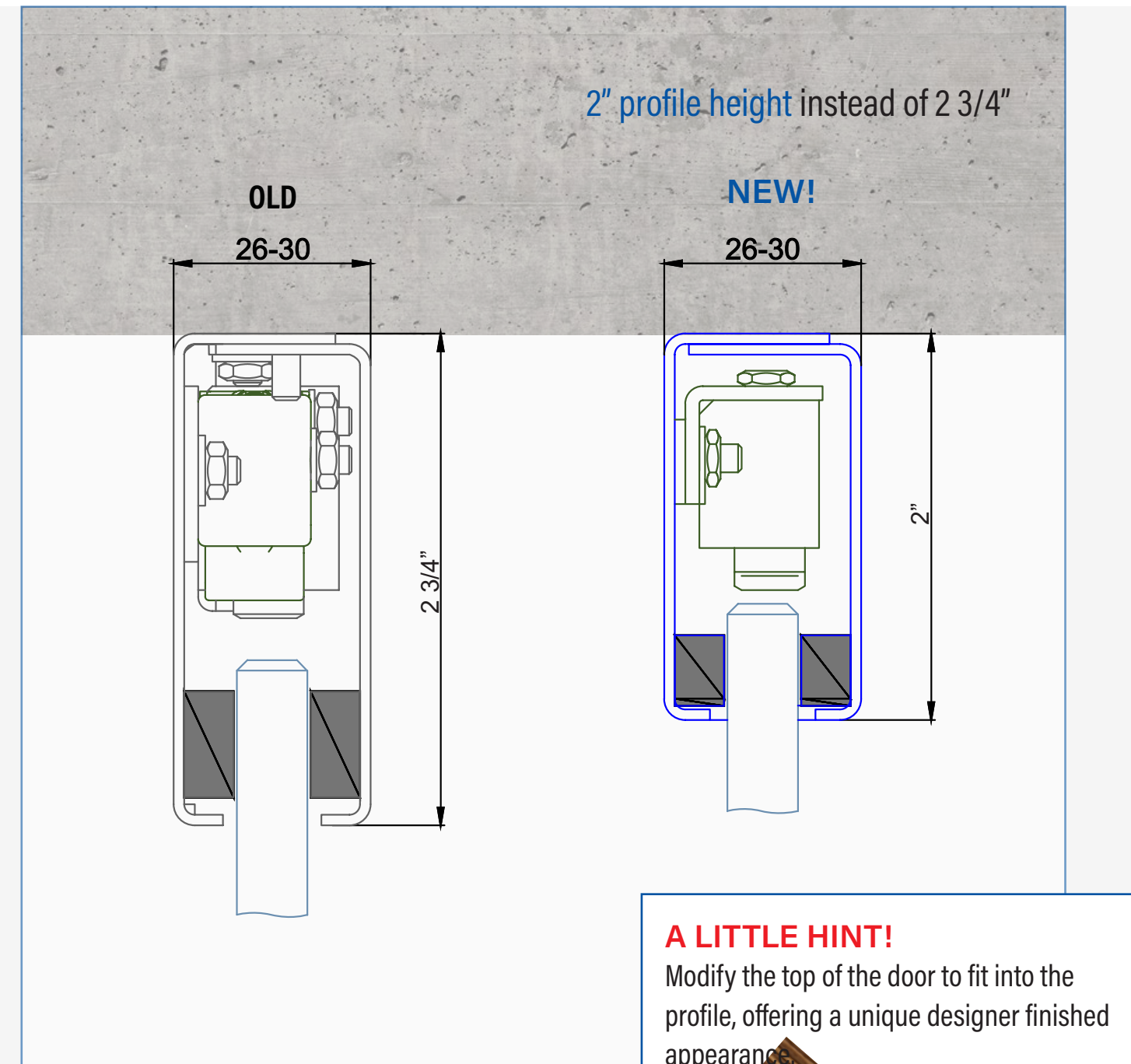


MWE Soft Stop Technology

For ceiling profile for TERRA systems

After the successful optimization of the MWE soft stop technology we now have the opportunity to present to you all the advantages of the new technology in our TERRA systems. Through intensive development, we have managed to reduce the height of the ceiling profile by 1/2 inch. A smaller profile is now possible from what was 2 3/4" now is just 2". The system can be used with door leaves weighing up to 220 lbs. and is very easy to open and close thanks to the linear force distribution of the gas pressure damper.

WHAT IS NEW?



AT A GLANCE!

The MWE soft-stop technology for TERRA systems

NEW! Instead of 2 3/4" now 2" in height

NEW! Instead of 165 lbs. now 220 lbs. door weight

NEW! Linear force distribution

