



MT SUPPORT SYSTEM

**The all-in-one modular
support solution**



ONE SYSTEM, COUNTLESS SCENARIOS

Easier to design and assemble than ever, Hilti's MT System is a flexible, modular solution for virtually all your installation support structures.



DO MORE WITH LESS

From light utilities like air ducts, communication cables and cable trays to larger duty piping, heavier cable ladders and mechanical equipment, Hilti's MT System handles most loading scenarios while enabling highly efficient installations.

This allows you to streamline the planning, managing and assembly of your metal framing and support

structures. For example, you can seamlessly combine all MEP utilities into a single structure designed for optimal efficiency.

The MT System's cross-compatibility and interchangeability help enable value-engineered solutions that optimize costs and improve sustainability. The components and baseplates complement the range of profiles, so you can complete your installation with one system.



DESIGN WITH EASE

The MT System's large portfolio of trapeze profiles, Strut Profiles and Girders profiles make it easier to design even complex multi-trade support structures. The system also features direct Girder-on-Girder profiles connectivity as well as direct fixation of Trapeze and Strut profiles to girder profiles. Additionally, some connectors are compatible with both Strut Profiles and Girders.

EMBRACE SIMPLICITY

The MT System features intuitive, robust bolting mechanisms for Girders to help minimize installation errors: The Thread Forming Bolt (MT-TFB) is the one go-to bolt for all domed hole connections, so you'll always have the right bolt for a given fixation combination.

More productive

Releasing, repositioning and subsequent retorquing of TFB fixations is enabled, allowing the modular system to remain flexible.

More intuitive

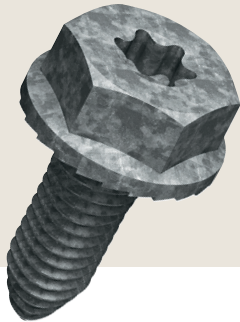
The variety of necessary connectors is reduced, helping minimize the complexity and cost of stock management. Fixation of all elements to girder holes can be accomplished with just one version of a simple bolt.

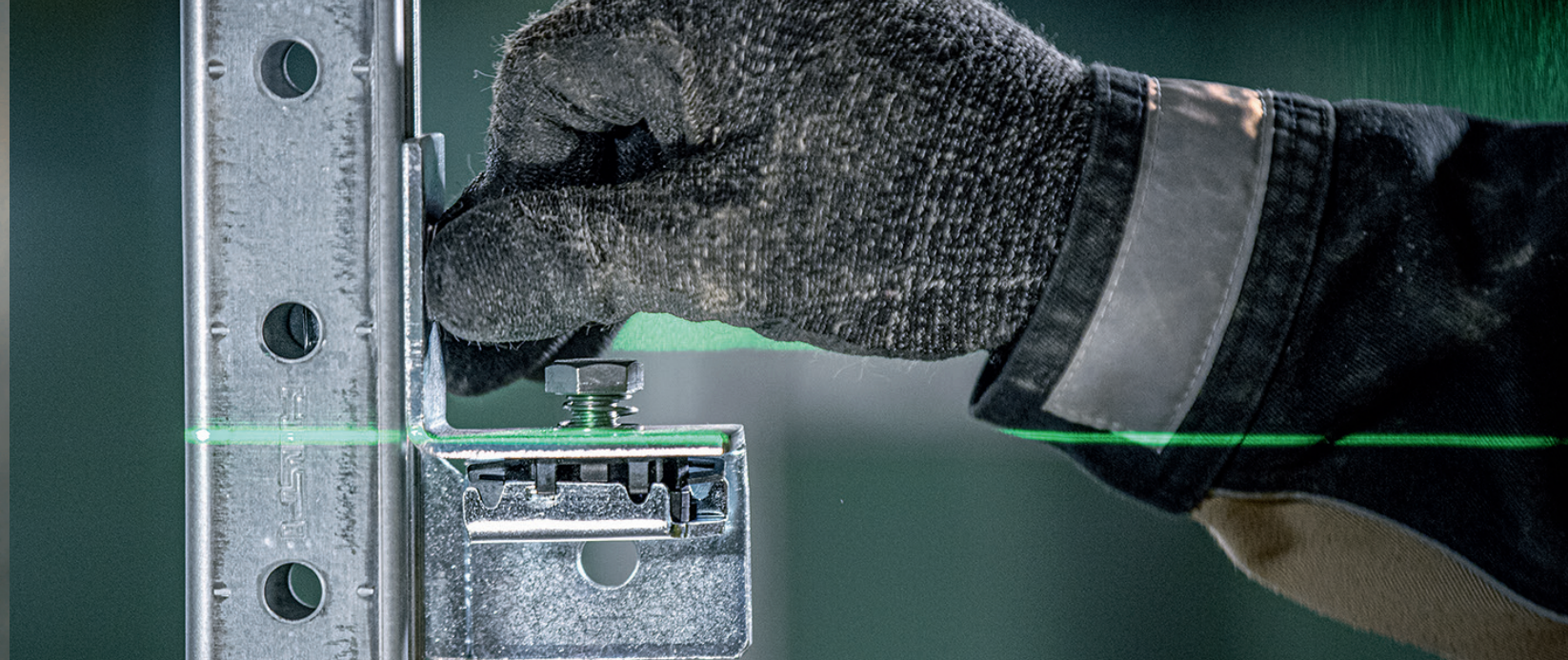
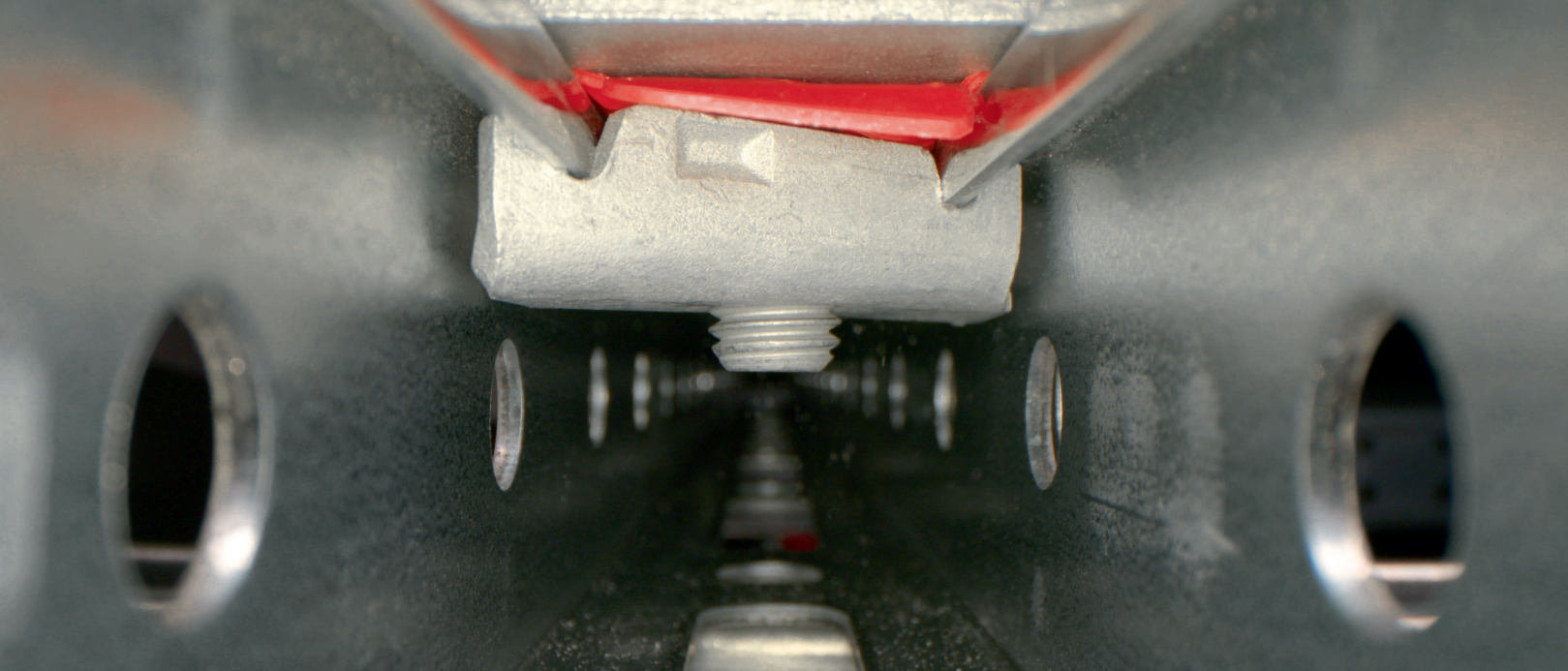
More Secure

The Hilti SIW-AT impact wrench with Adaptive Torque technology helps you set bolts to the recommended tightness quickly and consistently.

You have the peace of mind that all bolts are set correctly. The software records all fastenings for assembly traceability.

Hilti's MT-TFB Thread Forming Bolts securely connect to girder profile without the need for nuts or washers. During installation, a robust thread is formed within the Girder profile domes, reducing the risk of thread stripping.





DESIGNED TO PERFORM

Discover the flexibility of our latest innovation in strut connectivity: The MT System is designed to adapt to your needs seamlessly.

SERRATION ON THE SPOT

Hilti MT-TL Twist-Lock channel nuts create their own serration during torquing, making it one of the first seamless strut fixation methods with shear capacity.

Universal

Serration is created on the spot, thus eliminating the need for preformed serrations in the channel

Adjustable

Releasing, repositioning, and subsequent retorquing of elements fixed with MT-TL remains fully enabled.

Sizes

Available in imperial sizes 1/4, 1/2, 3/4, and 5/8s for media fixation and threaded rod applications in addition to the MT10 size for member to member construction.

Reliable

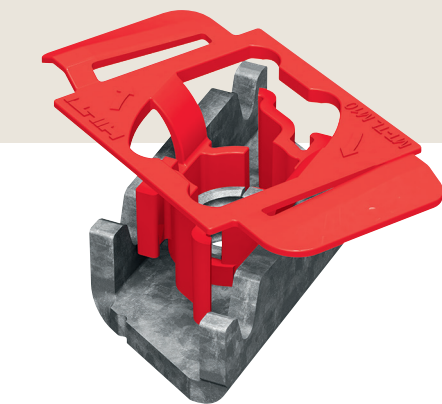
Mechanical connection of the MT-TL is realized without reliance on friction, thus providing the required shear capacity for srut connections.

Fast and easy

During installation, connection elements can be intuitively positioned and locked in place.

Twist-Lock innovation

Hilti MT-TL channel nuts can be installed with a one-handed “twist and lock” into position. A groove is cut into the channel, allowing for rapid and accurate placement of components. During installation, Twist-Locks do not slip before final torquing.



FASTER, SIMPLER, DONE

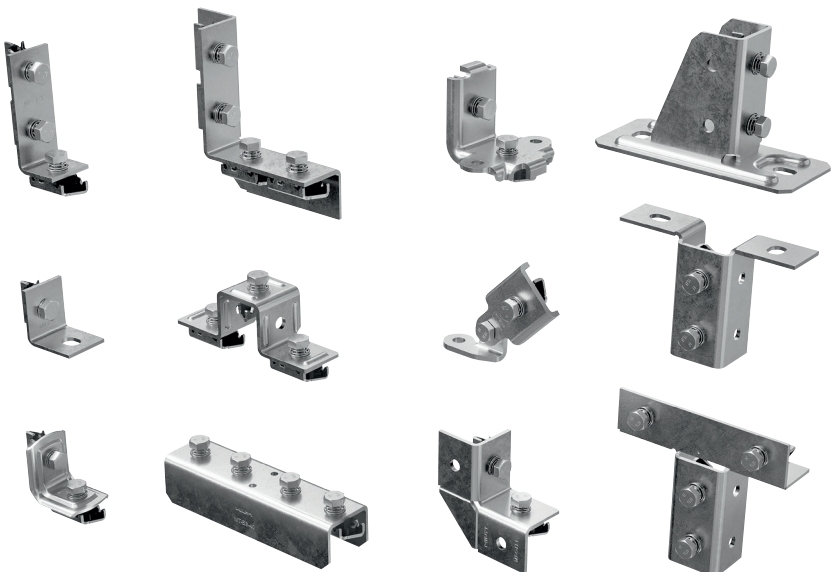
The MT System offers a comprehensive range of preassembled connectors and baseplates to help speed up installation of your Mechanical, Electrical, and/or piping supports.

Faster

Push, Turn, Done. By eliminating non-value-adding steps from the assembly process, you can achieve up to 50% time savings compared to basic connection solutions.

Simpler

With fewer single parts and boxes to handle on the jobsite, your purchasing and stock management processes become easier.



Safer

The MT System is compatible with our Adaptive Torque (AT) module, enabling consistent torquing, while pre-assembled parts reduce the likelihood of installation mistakes.

More Sustainable

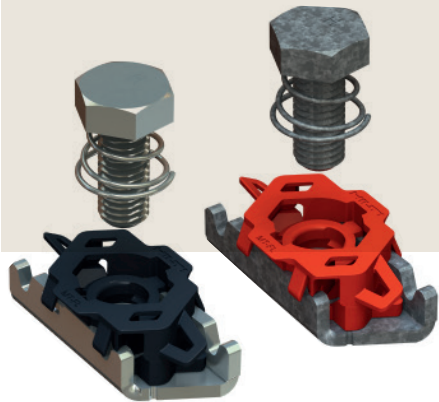
Materials are shipped with plastic free packaging for less waste on the job site.

Fast-Lock innovation

The preassembled connectors feature an innovative connection mechanism that enhances installation flexibility.

Simple and easy to use, it provides a reliable connection on MT strut profiles and can be easily disassembled, adjusted and repositioned for a fully flexible, customizable solution.

The Fast-Lock and the preassembled portfolios are available in both Indoor Coated (black) and Outdoor Coated (red) versions. The Fast-Lock is fully compatible with all strut connectors across the MT portfolio, not only the preassembled materials.



YOUR BEST PARTNER FOR PRODUCTIVITY



ATTACH, ADJUST, RE-ADJUST.

With the new hybrid profile MT-90H, media connections are faster and simpler than ever before. Complex 3D structures requiring a high degree of adjustability can be mastered more easily.

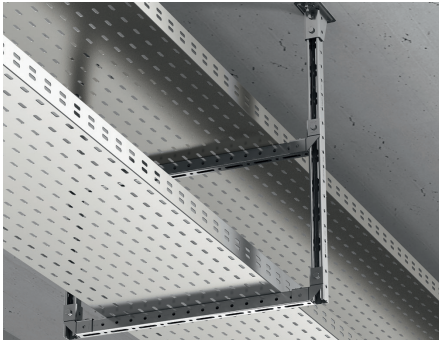
Value engineered

Space-saving designs can be created to accommodate installations in tight spaces while allowing easy access for maintenance. The MT System offers full flexibility and adjustability with few parts and assembly steps needed.



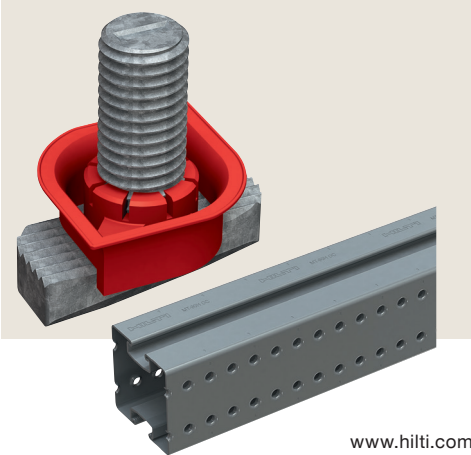
Higher performing

No additional strut is needed to be mounted on top of the girder profile, which helps reduce cost, material, and CO₂ while speeding up mounting time to decrease the total cost of installation.



Peace of mind

The MT System is covered by a wide range of codes and approvals. Our Project Management support can assist you in realizing your project from planning to execution, while helping you meet your time, cost and sustainability objectives.



ADVANCED CORROSION PROTECTION

The MT System is designed to last in both indoor and low-to-moderate outdoor pollution conditions thanks to advanced corrosion protection technologies.

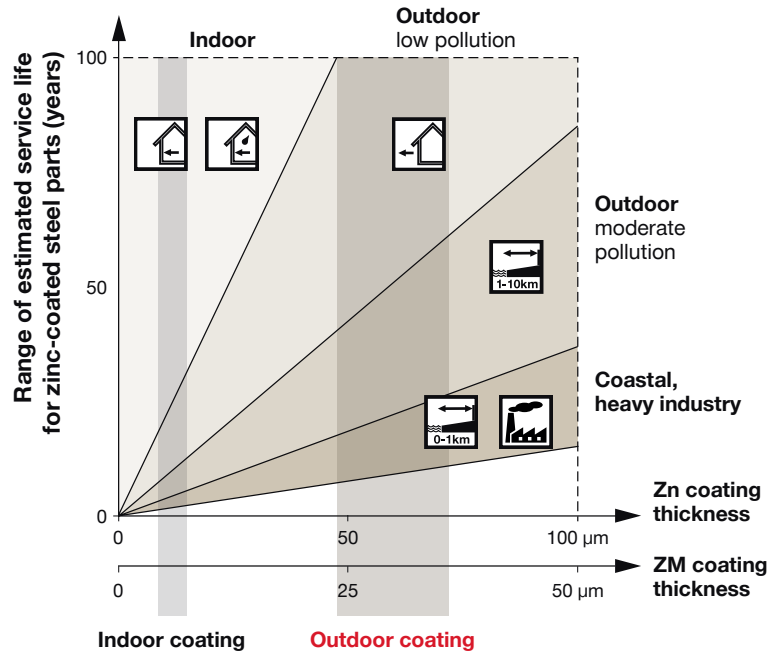
Performance across environments

For indoor usage, Hilti's established high-quality protection is used: Profiles are Sendzimir galvanized, connectors and baseplates are zinc electroplated.

Solutions designed for outdoor use combine hot-dip galvanization for hardware (such as connectors and baseplates) and zinc-magnesium galvanization (ZM technology) for strut and girder profiles. ZM profiles conform to the ASTM A1046 and EN 10346 standards.

Breakthrough coating technology

Zinc Magnesium (ZM) technology represents the leading edge of corrosion protection. It combines robustness and longevity with increased environmental sustainability and cost optimization.



FULL HILTI SOLUTION

The MT System is an integral part of Hilti’s full installation offering. State-of-the-art anchoring solutions, fire suppression solutions, design services for engineering and modeling, and innovative tools take the headache out of your planning and on site execution.



NO COMPROMISE ON SAFETY

MT modular support structures are compatible with our concrete anchoring and direct steel fixation solutions, as well as with our pipe attachment components. The complementary Adaptive Torque (AT) module helps achieve consistent torquing.



SIW Cordless Impact Wrench
SI-AT-22 Adaptive Torque



KB 1



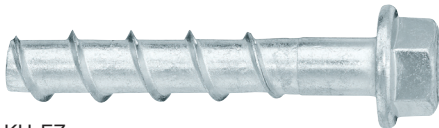
S-BT-MF HL



KB-TZ2



X-BT-MR



KH-EZ



F-BT MR SN



Socket S-NSD



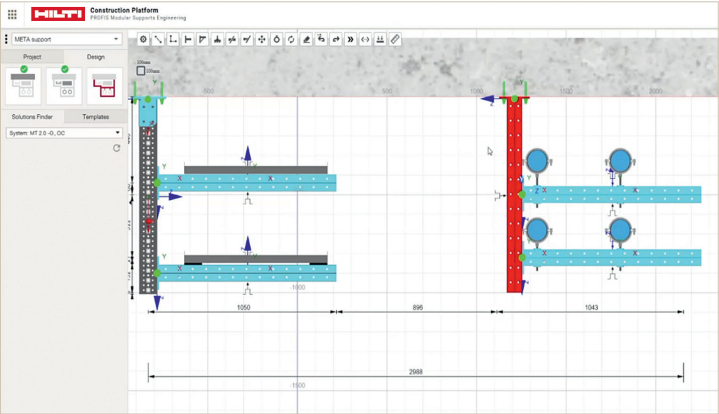
Insert S-B TX50



Socket SI-SA

MORE COMPLIANT INSTALLATIONS

Benefit from a wide range of codes and approvals coverage. Hilti’s Design Service and Project Management support our customers in delivering value engineered projects on time.



SOLUTIONS TAILORED TO YOUR NEEDS

The MT System can be cut and assembled on the jobsite and then adjusted during installation to save costly rework—all while virtually eliminating the need for welding.

Alternatively, Hilti can support your project with cutting, kitting and preassembly services.





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