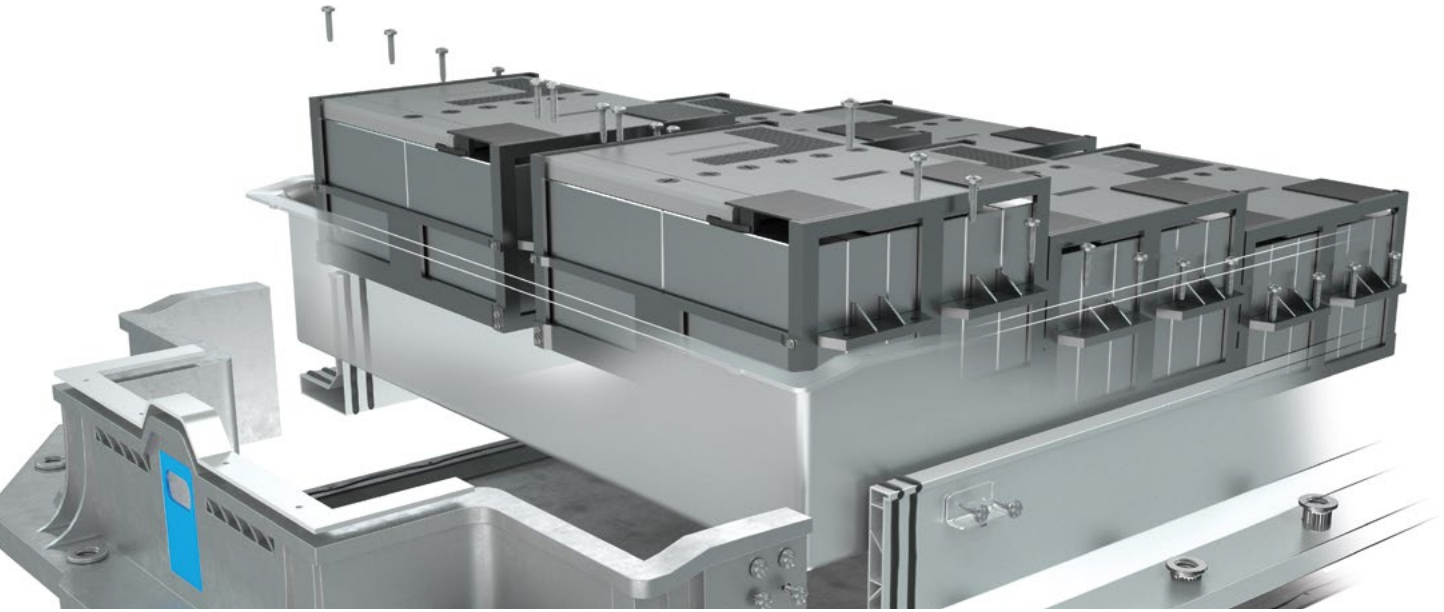


ARNOLD®
BlueFastening Systems



ARNOLD TV PRESENTS ARNOLD TV PRÄSENTIERT

Powertite®

Next generation thread tapping - optimised for load capacity and climate-friendly

The market's demands

- Secure assembly and maximum operational reliability
- Optimising installation space
- Reducing weight
- Increasing productivity
- High assembly clamping forces
- Vibration resistance
- Insensitive to tolerances
- Repairability ensured

ARNOLD provides the solution

Powertite®

- Optimised for load capacity
- Smaller installation space
- Climate-friendly
- Cutting costs



Watch how Powertite® works

ARNOLD UMFORMTECHNIK provides an extensive selection of videos and animations. Just scan the QR code above or visit our website and click on our Youtube channel ARNOLD TV.

www.arnold-fastening.com

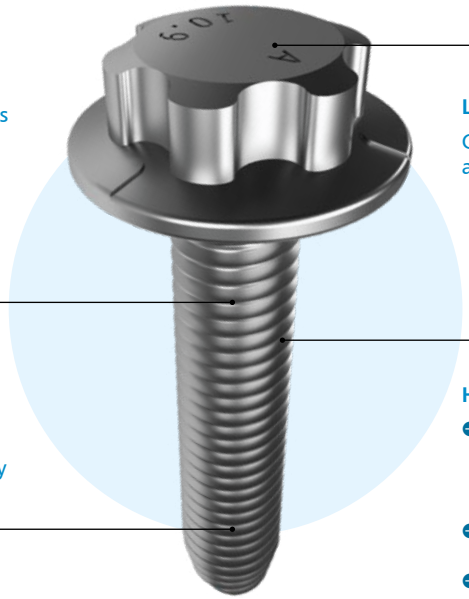
Powertite®
Characteristics and Applications

Round cross-section in load area

- Over-dimension generates a fully load-bearing nut thread
- Can be designed for over-elastic assembly and to reduce screw-in depth

TRILOBULAR® thread-forming zone

- Low tapping torques
- High level of process reliability during assembly



Low Profile Head

Customized solutions also available

Higher load capacity

- Greater stress cross-section generates higher tension failure forces
- Core diameter as per DIN
- External diameter > tolerance 6h

Applications



Aluminum direct screw fastening



Steel direct screw fastening



Magnesium direct screw fastening



Direct screw fastening into sheet-steel

Technical advantages of Powertite®

- Tapped nut thread has increased load-bearing capacity > 20% compared to other thread tapping screws
- Larger core hole tolerances are possible to optimize lightweight metal casting processes
- Clamping force level similar to metric screws possible
- High assembly reliability
- Tapping torque conformity to standards
- Over-elastic assembly is made possible, even in conical core holes cast in die-cast aluminum
- Can be used in steel, aluminium and other lightweight metals
- Repeatable screw fastening possible
- Can be replaced by metric screw if needed during a service

Commercial advantages of Powertite®

- Overall fastening costs reduced by up to 85%
- Opportunity to reduce size
- Optimising installation space and weight
- Slimmer upstream processes in lightweight metal component manufacture
- Efficient solution without ancillary elements
- CO_2 savings up to 20%

Learn more
about the load capacity optimized thread-forming screw Powertite® and its applications

www.arnold-fastening.com

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