



KEENSERTS® Inserts

A Camloc Standard Product Group



CAMLOC® KEENSERTS® INSERTS RANGE





KEENSERTS are high strength threaded inserts made from stainless steel 1.4305 or AISI303. They are passivated according to EN 2516 or AMS 2700. Our standard product range contains metric and imperial thread dimensions. Special sizes and materials are available upon request.

KEENSERTS can be used in alloys, light materials, steel and cast iron to provide increased thread strength in low strength materials. They are also used for thread repair enabling the damaged thread to be replaced with the same size thread.

KEENSERTS solid body gives a high cycle life allowing repeated tightening and loosening of the bolt. Locking inserts have a dry film lubrication on the surface to protect the screw from galling.

KEENSERTS have a positive mechanical lock against rotation and vibration when Kees are installed. Kees are made from stainless steel AISI302.

KEENSERTS have 2 or 4 pre-assembled Kees depending on the size of the external thread. After installation of the kees into the parent material the assembly is positively locked in place.

Standard	Locking	Stud	Blind
			
<p>Used in applications which require a strong, permanent metal thread in soft materials such as aluminum.</p> <p>These applications include; aluminium gear box, aluminum frame, armunition (tank) and door frames on trains made from aluminium.</p>	<p>Used in applications which require a locking torque for the screw.</p> <p>Locking KEENSERTS are suitable for applications that are prone to certain levels of vibration which require additional safety.</p>	<p>Used in applications which require a stud.</p> <p>Offered in high performance materials to meet requirements of aerospace and military applications. Particulary suited for high temperature or high loading applications.</p>	<p>Used in applications which require isolation of the screw from other assembly elements of the application.</p> <p>This will ensure that dust and other foreign objects will not contaminate the assembly part. Blind KEENSERTS are typically used in applications such as electronic circuitry.</p>

CAMLOC® KEENSERTS® TOOLING RANGE

KEENSERTS Power Tools

- Individual adjustments can be made using the integrated force control depending on the size of the KEENSERTS® and hardness of the material.
- One-button operation makes the tool easy to use.
- Quick, consistent and reliable installation.
- The Power Tool system is low maintenance, ergonomic and lightweight.
- All tools install KEENSERTS® into alloys, light materials, steel and cast iron up to a maximum of 30 HRC or 1000 MPa. For installation into harder materials please contact Camloc.
- The nosepieces are compatible with our Power Tool range.
- Please note: Corresponding nosepieces for each size of KEENSERTS® must be ordered separately.



Hydro-pneumatic Tooling

- The hydro-pneumatic Power Tool 3352PT1 is designed to install metric KEENSERTS® from sizes M5 to M12 and imperial sizes from 10-32 (10-24) to ½-20 (½-13).
- Camloc also offers the 3352PT2 which has a larger stroke to install metric KEENSERTS® from M5 to M24 and imperial sizes from 10-32 (10-24) to ½-20 (½-13). Larger sizes on request.



Electric Tooling

- The electric driven Power Tool EPT1 installs metric KEENSERTS from M5 to M12 and imperial KEENSERTS from 10-32 (10-24) to ½-20 (½-13).
- The force control is shown and adjusted on the tool's display.
- The tool is cordless making installation easy in all environments.



KEENSERTS® KNT Hand Tools

The KNT hand tool series provides easy, fast, safe and reliable installation even for untrained personnel.

- The wide head surface provides hand protection during hammering.
- The hardened sleeve ensures a high number of installation cycles.
- The Kees are installed flush to the KEENSERTS® surface.
- The slim diameter of the tip allows installation even into counter-sunk holes.
- The tool is made up of two parts providing easy guidance and eliminating any damage to the Kees.





Camloc® brings together 75 years worth of experience, traditional engineering skill and an innovative approach to produce our successful range of fasteners.

Our comprehensive range of products have for decades been providing customers with effective, reliable and creative solutions for applications in electronics, industrial, renewable energies, transportation, aerospace and defence markets.

Our dedicated engineering team can adapt existing products or develop customised solutions to meet diverse and constantly changing industrial demands.

So whether you require a standard or a highly specialised product, Camloc® has the capability to provide you with the perfect solution.

Contact us



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