

APEX® Guard™

Quality Anti-Mar Fastener Tools Begin With Quality Fastener Tools.

Apex **μ-Guard** provides a protective barrier between genuine Apex fastener tools and your finely finished workpiece. The free-spinning patent-pending design provides maximum protection for polished and highly sensitive surfaces.

Apex **μ-Guard** covering is made of a thermo plastic urethane (TPU elastomer) which cushions against costly incidental side impacts. It offers the lowest sustained coefficient of friction for maximum tool efficiency. It is also non-removable for tamper resistance.

With Apex **μ-Guard** you get the proven Apex fastener tool fit and performance plus the best protection available against marring and in-system damage.

μ-Guard is your guard against the potential hazards caused by rotational friction.

"Cushioning" Effect Minimizes Side Impact Damage



Free-Spinning Design

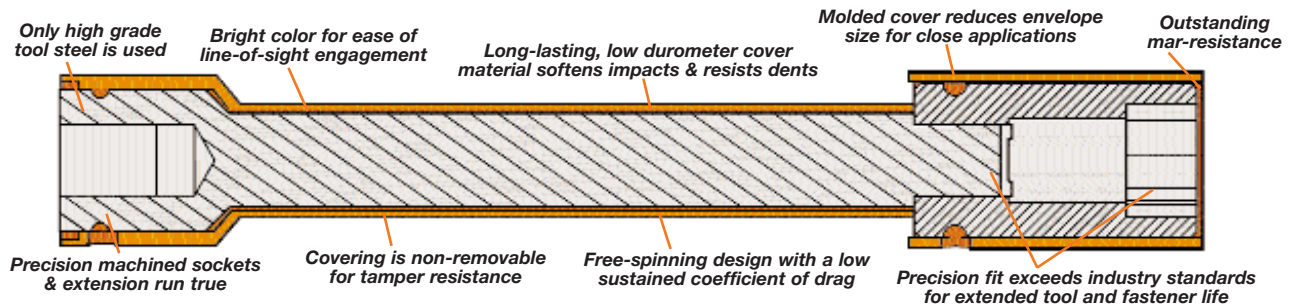


Virtually Damage Free



*If it doesn't say Apex
on the outside, how can
you be sure of what's
on the inside?*

Why Apex μ -Guard Anti-Mar Fastener Tools Are The Best Choice



Quality Apex Tools Under The Cover

- Apex fastener tools are made from only tool grade steel then heat treated using our proprietary process for the proper hardness based on the application. Not too brittle to break nor too soft to wear out after one shift.
- Each core tool is then machined for a precision fit that exceeds industry standards. Improper fit can lead to premature fastener and fastener tool failure.
- Apex fastener tools run true with minimal wobble for more efficient fastening cycles.

The Cover Story

- A low durometer cover material that resists dents during incidental side impacts. Only Apex μ -Guard absorbs side impacts and does not produce raised burrs when impacted.
- Cover is molded to the tool for reduced envelope dimensions yet still is able to exhibit “free-spinning” capability for improved ergonomics and safety. No other competitor has this capability. Some competitors even require their core tool be modified in order to assemble the cover resulting in weaker integrity and premature failure.
- Covering is non-removable to prevent unwanted tampering on the line.
- Low sustained coefficient of friction between the cover and the tool yields minimal loss of tool efficiency.
- Bright color of covering makes fastener contact visually easier shift after shift and station monitoring quick and easy.
- Part numbers are clearly marked for ease of identification.
- Only Apex has the manufacturing capability, inventory and global supply network to supply the global requirements of today's marketplace.

μ-Guard Sockets

(Includes socket and cover)



| Part Number | Socket | Drive End | | | Socket Length | Fastener End | | | Assembly Features* | |
|--------------|-----------|-----------|--------|-----|---------------|--------------|------|-----|--------------------|--|
| | | Size | Type | Sex | | Size | Type | Sex | | |
| UG-10MM21 | 10MM21 | 1/4 | Square | F | standard | 10 mm | Hex | F | FS | |
| UG-M-10MM21 | M-10MM21 | 1/4 | Square | F | standard | 10 mm | Hex | F | FS, M | |
| UG-MB-10MM21 | MB-10MM21 | 1/4 | Square | F | standard | 10 mm | Hex | F | FS, M, B | |
| UG-10MM13 | 10MM13 | 3/8 | Square | F | standard | 10 mm | Hex | F | FS | |
| UG-M-10MM13 | M-10MM13 | 3/8 | Square | F | standard | 10 mm | Hex | F | FS, M | |
| UG-10MM23 | 10MM23 | 3/8 | Square | F | long | 10 mm | Hex | F | FS | |
| UG-M-10MM23 | M-10MM23 | 3/8 | Square | F | long | 10 mm | Hex | F | FS, M | |
| UG-MB-10MM23 | MB-10MM23 | 3/8 | Square | F | long | 10 mm | Hex | F | FS, M, B | |
| UG-13MM23 | 13MM23 | 3/8 | Square | F | long | 13 mm | Hex | F | FS | |
| UG-M-13MM23 | M-13MM23 | 3/8 | Square | F | long | 13 mm | Hex | F | FS, M | |
| UG-MB-13MM23 | MB-13MM23 | 3/8 | Square | F | long | 13 mm | Hex | F | FS, M, B | |
| UG-13MM25 | 13MM25 | 1/2 | Square | F | long | 13 mm | Hex | F | FS | |
| UG-SF-13MM25 | SF-13MM25 | 1/2 | Square | F | long | 13 mm | Hex | F | FS, SF | |
| UG-15MM25 | 15MM25 | 1/2 | Square | F | long | 15 mm | Hex | F | FS | |
| UG-SF-15MM25 | SF-15MM25 | 1/2 | Square | F | long | 15 mm | Hex | F | FS, SF | |
| UG-18MM25 | 18MM25 | 1/2 | Square | F | long | 18 mm | Hex | F | FS | |
| UG-SF-18MM25 | SF-18MM25 | 1/2 | Square | F | long | 18 mm | Hex | F | FS, SF | |

If your tool is not shown in the table of representative products above, please contact your Apex representative.

μ-Guard Extensions

(Includes extension and cover)



| Part Number | Extension | Drive End | | | Extension Length | Socket End | | | Assembly Features* | |
|--------------|-----------|-----------|--------|-----|------------------|------------|--------|-----|--------------------|--|
| | | Size | Type | Sex | | Size | Type | Sex | | |
| UG-EX-250-2 | EX-250-2 | 1/4 | Hex | M | 2 | 1/4 | Square | M | FS | |
| UG-EX-250-4 | EX-250-4 | 1/4 | Hex | M | 4 | 1/4 | Square | M | FS | |
| UG-EX-250-6 | EX-250-6 | 1/4 | Hex | M | 6 | 1/4 | Square | M | FS | |
| UG-EX-370-2 | EX-370-2 | 1/4 | Hex | M | 2 | 3/8 | Square | M | FS | |
| UG-EX-370-4 | EX-370-4 | 1/4 | Hex | M | 4 | 3/8 | Square | M | FS | |
| UG-EX-370-6 | EX-370-6 | 1/4 | Hex | M | 6 | 3/8 | Square | M | FS | |
| UG-EX-376-3 | EX-376-3 | 3/8 | Square | F | 3 | 3/8 | Square | M | FS | |
| UG-EX-376-6 | EX-376-6 | 3/8 | Square | F | 6 | 3/8 | Square | M | FS | |
| UG-EX-376-12 | EX-376-12 | 3/8 | Square | F | 12 | 3/8 | Square | M | FS | |
| UG-EX-508-4 | EX-508-4 | 1/2 | Square | F | 4 | 1/2 | Square | M | FS | |
| UG-EX-508-8 | EX-508-8 | 1/2 | Square | F | 8 | 1/2 | Square | M | FS | |
| UG-EX-508-12 | EX-508-12 | 1/2 | Square | F | 12 | 1/2 | Square | M | FS | |

If your tool is not shown in the table of representative products above, please contact your Apex representative.

μ-Guard Bit Holders

(Includes bit holder and cover)



| Part Number | Bit Holder | Drive End | | | Holder Length | Fastener End | | | Assembly Features* | |
|-------------|------------|-----------|--------|-----|---------------|--------------|------|-----|--------------------|--|
| | | Size | Type | Sex | | Size | Type | Sex | | |
| UG-M-490 | M-490 | 1/4 | Hex | M | 2 31/32 | 1/4 | Hex | F | FS, M, ET | |
| UG-M-490-4 | M-490-4 | 1/4 | Hex | M | 4 | 1/4 | Hex | F | FS, M, ET | |
| UG-M-490-6 | M-490-6 | 1/4 | Hex | M | 6 | 1/4 | Hex | F | FS, M, ET | |
| UG-825 | 825 | 1/4 | Square | F | 1 | 1/4 | Hex | F | FS, ET | |
| UG-M-825 | M-825 | 1/4 | Square | F | 2 9/32 | 1/4 | Hex | F | FS, M, ET | |
| UG-838 | 838 | 3/8 | Square | F | 1 1/2 | 1/4 | Hex | F | FS, ET | |
| UG-M-838 | M-838 | 3/8 | Square | F | 2 5/8 | 1/4 | Hex | F | FS, M, ET | |
| UG-835 | 835 | 3/8 | Square | F | 1 1/2 | 5/16 | Hex | F | FS, ET | |
| UG-M-835 | M-835 | 3/8 | Square | F | 2 3/4 | 5/16 | Hex | F | FS, M, ET | |
| UG-855 | 855 | 1/2 | Square | F | 1 1/2 | 5/16 | Hex | F | FS, ET | |
| UG-M-855 | M-855 | 1/2 | Square | F | 2 3/4 | 5/16 | Hex | F | FS, M, ET | |
| UG-M-858 | M-858 | 1/2 | Square | F | 2 3/4 | 1/4 | Hex | F | FS, M, ET | |

If your tool is not shown in the table of representative products above, please contact your Apex representative.

*Features Abbreviations

FS Free Spinning
M Magnetic
ET Extended Tip

Tool is able to rotate independently of Cover
 Tool includes magnet to hold the position of the fastener during fastening operation
 Cover extends beyond end of Bit Holder to shield the majority of a standard Insert Bit.*

*Bit holder covers can be used with 1" or 1 1/4" long insert bits. Tip of cover can be modified by end user to suit application requirements or preference. Suggested methods of modifying covers include cutting to preferred length or heating up cover material and conforming to fastener head configuration.

Notes: Reported lengths are based on uncovered tool length only for reference. Cover may extend beyond end of tool by 2 mm unless otherwise noted.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 4 weeks from the factory. No minimum on these items.