

Apex®

μ-GUARD™ PROTECTIVE COVERS

Protect Your Business Against In-System Damage.

APEX®  μ-Guard™

Sockets, Extensions & Bit Holders

- Premium Apex quality fastening tools
- Maximum protection against in-system damage including surface marring and side impacts
- Industry-unique design minimizes envelope size, maximizes tool efficiency and improves ergonomics



 **COOPER** PowerTools

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 sustainable coefficient of friction for maximum tool efficiency. The covering 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. Apex

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



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

"Cushioning" Effect Minimizes Side Impact Damage



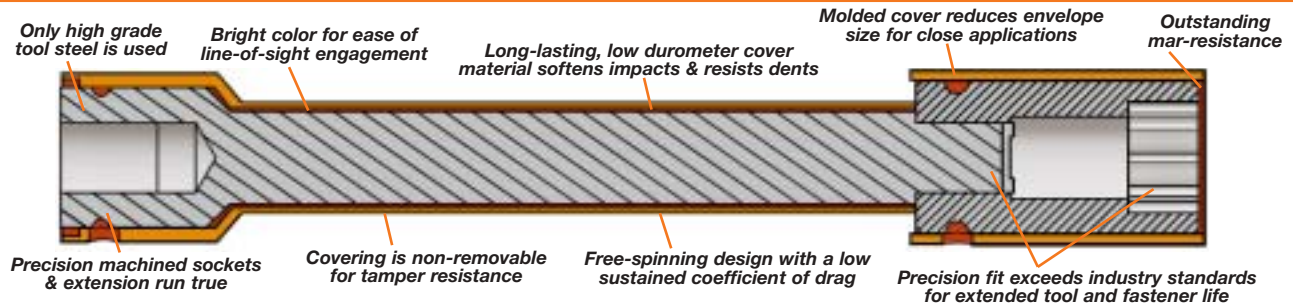
Free-Spinning Design



Virtually Damage Free



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 produces minimal loss of tool efficiency.
- Bright color of covering makes fastener contact visually easier 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	

Can't find the tool you need? Contact your local Apex representative, our customer service department at 1-800-845-5629 or visit our website www.apex-tools.com. Odds are we have what you need as a non-cataloged item. If not, our staff of experts can design and manufacture “specials” to meet your specific application.

*Features Abbreviations

- FS Free Spinning Tool is able to rotate independently of Cover
- M Magnetic Tool includes magnet to hold the position of the fastener during fastening operation
- B Bolt Clearance Tool is spring-loaded to allow the bolt or nut to retract into the socket body
- SF Surface Drive Tool has radiused corners to allow easier alignment and engagement of fastener

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.

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	

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	

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*Features Abbreviations

FS Free Spinning Tool is able to rotate independently of Cover
M Magnetic Tool includes magnet to hold the position of the fastener during fastening operation
ET Extended Tip 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.

Apex also offers
 Free-Spin Covers and
 Anti-Mar Custom Designs.
 For a copy of the latest
 brochure, contact your
 Apex distributor or visit
 our website
www.apex-tools.com.



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