



# Tools That Work



2008 Catalog

# W

hen NASA needed a special hand tool for the International Space Station, they called Bondhus. They needed the very best tool for the most demanding of applications. NASA discovered what millions of professional tool users around the world already

know — Bondhus tools work in even the most difficult circumstances.

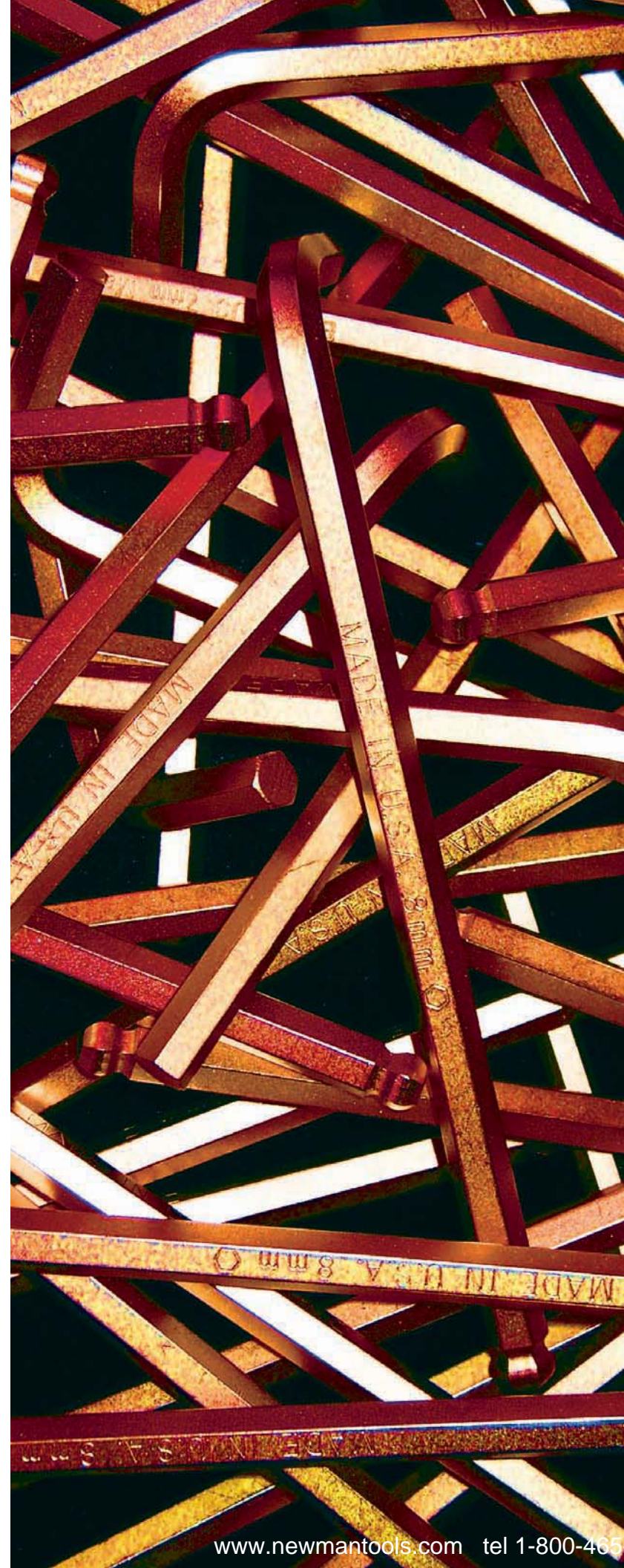
Bondhus tools are demanded by the most discriminating hand tool users in more than 60 countries all around the world. Bondhus strength and consistency of quality are the standards by which hand tools are judged. Why do tool professionals at NASA and all over the world demand Bondhus tools? Whether they work in space or on an oil rig in the middle of the ocean, the tools they use have to work the first time... they don't have time to go back for a replacement.

**Bondhus tools are  
made in the U.S.A.  
and are available in  
more than sixty  
countries including:**

- Argentina • Australia •
- Belarus • Belgium •
- Brazil • Canada •
- Chile • China • Costa Rica •
- Czech Republic •
- Denmark • England •
- Finland • France •
- Germany • Greece •
- Hong Kong • Hungary •
- Iceland • India • Israel •
- Italy • Japan • Jordan •
- Korea • Luxembourg •
- Mexico • New Zealand •
- Netherlands • Norway •
- Philippines • Poland •
- Portugal • Puerto Rico •
- Romania • Russia •
- Singapore • Slovak  
Republic • Spain •
- Sweden • Switzerland •
- Taiwan • Thailand •
- Turkey • Vietnam •
- West Indies



PHOTO COURTESY OF NASA JOHNSON SPACE CENTER



### A note from John Bondhus

Prior to founding Bondhus Corporation, I spent many years as a tool and die maker. I have always taken pride in "working in the shop" and I understand and appreciate the value of high quality, long-lasting, time saving tools. I am personally appalled by second rate tools and I will never compromise usability or quality for lower manufacturing costs or gimmick design features. I am not only a tool maker, I'm a tool user, and I will never disappoint my customers by providing anything less than the finest tools available!

*John Bondhus*

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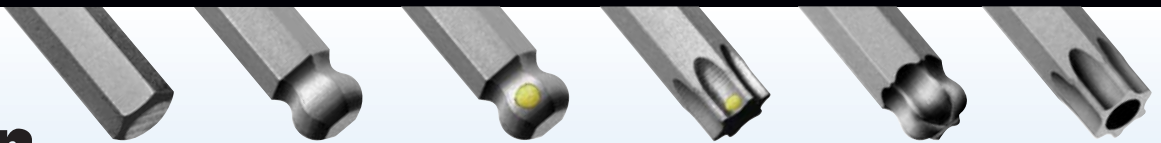
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**thirteen**  
unique tips



Hex Tip

Balldriver® Tip

ProHold® Tip

Star ProHold® Tip

BallStar™ Tip

TR StarTip

the  
**right**  
**tool** for the  
**job**

**seven**  
handle types





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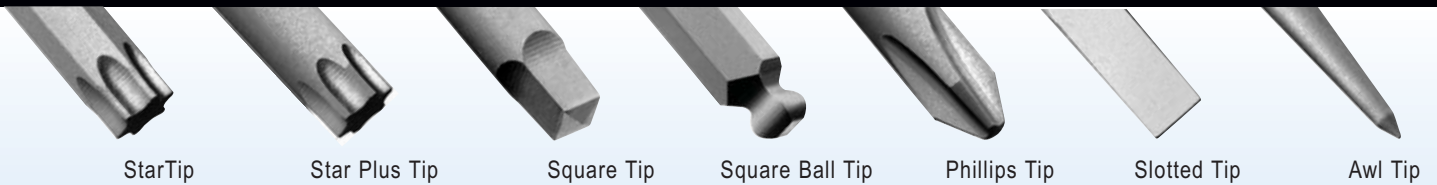


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**five**  
hex key styles



**three**  
types of protection



**three**  
blade/bit types



- **ProGuard** : The Ultimate in corrosion protection  
DRY SURFACE TECHNOLOGY DST
- **BriteGuard** : Next generation chrome finish  
FINISH
- **GoldGuard** : Real 14 karat gold finish  
FINISH

# BONDHUS Timesaving GorillaProof Tools



**P**rotanium® High Torque Steel is much more than "just steel" and much more than a "name."

It is a specification, a process and a commitment to producing a level of tool performance unmatched by any competitor.

Protanium® high torque steel is not an 8650 grade steel, it is not a form of S2 and it is not a chrome-vanadium or chrome-moly type steel. It is custom mixed to a formula that is the result of many years of research and continuous development effort.

Bondhus works extensively with its' steel suppliers to ensure meticulous quality control, testing and documentation standards are adhered to. Conformance to Bondhus' specification means qualified technicians perform constant inspection, testing and evaluation steps to make sure the "no compromises" quality policy is always enforced. Over 60 separate tests guarantee that every tool manufactured is 100% within spec.

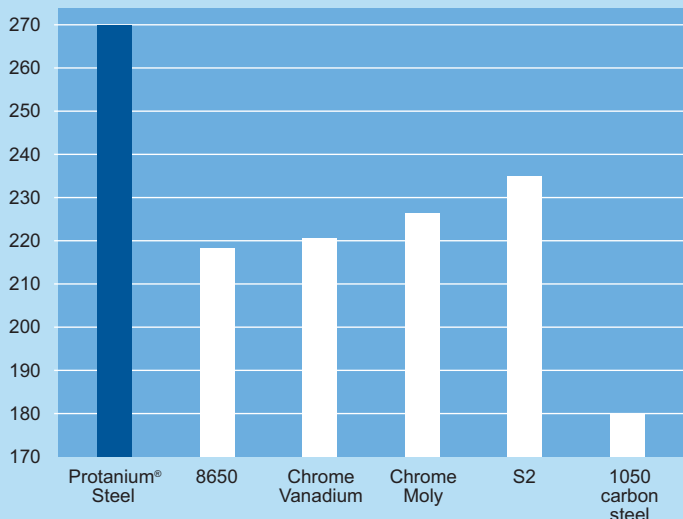
Customized heat treating processes are key to bringing out the superior strength properties of Protanium® high torque steel. Anyone with a piece of steel and a torch can perform some level of heat treating. Attaining results that push beyond industry accepted limits of performance requires equipment, skill, and years of research and development that Bondhus alone has committed itself to.

**Hex stock** must be smooth and free of pits, burrs, and other imperfections. Bondhus demands 100% compliance from mills that supply steel.

**Sharp edges** are critical to the tool fitting properly in a fastener. Rounded corners are not accepted. They will cause slippage and failure. Bondhus maintains the toughest standards in the industry.

**Grain size** is monitored before and after heat treating. A small grain size helps assure conformance to strength and hardness standards.

4mm Tools — Average Stock Torque (in-lb)



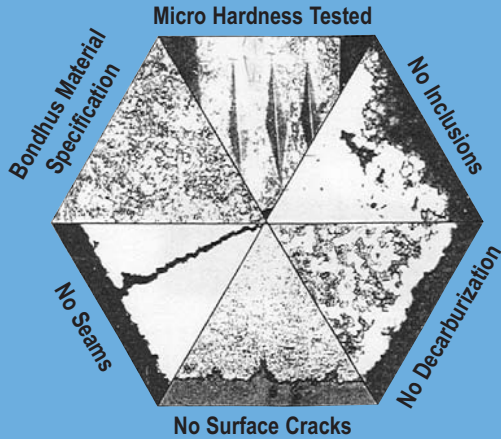
Custom mixed steel and precise control of the heat treating process are two keys to producing the strongest hex and star tools in the world.

Average Torque (in-lb)

Hardness Rockwell C	Tensile Strength PSI	5/64" & 2mm		1/8" & 4mm		5/32" & 8mm		
		5/64"	1/8"	5/32"	1/4"	5/16"	8mm	
61	360000	34	141	273	1125	2187		Protanium® Steel
59	340000	32	133	258	1063	2065		
57	320000	30	125	243	1000	1944		
55	300000	28	117	228	938	1822		
53	280000	27	109	213	875	1701		
51	260000	25	102	197	813	1579		8650 Steel
49	240000	23	94	182	750	1458		Carbon Steel
46	220000	21	86	167	688	1336		
43	200000	19	78	152	625	1215		
40	180000	17	70	137	563	1093		
37	160000	15	63	121	500	972		

**Note**

If hardness and good ductility are maintained, then the higher the tensile strength, the stronger the tool.



**Cracks, decarburization, seams, surface discontinuities, undissolved carbides, and inclusions** are not unusual in common grades of steel. These conditions cause poor ductility and premature tool breakage. The Protanium® steel specification, however, does not allow for these conditions to exist.

**Hardness and Ductility**  
Protanium® Steel is considerably harder than the steel produced by most Bondhus competitors. When competitors do have hardness values approaching that of Protanium® steel, they do so by sacrificing ductility.

Ductility is important to monitor, since as the hardness increases, so does brittleness and the potential for shattering. Every batch of Protanium® steel is tested by applying torque in a standard break test.

The Bondhus standard assures in excess of 99% of all breaks will actually break clean and straight. Most competitors cannot even hit 50% clean breaks. Tools that shatter are a hazard to both the user and equipment in the vicinity.

**Hardness testing** is performed during and after the heat treating process to accurately measure and constantly monitor hardness values.

Bondhus strives for consistent hardness throughout, not just on the surface. Micro hardness testing is performed beneath a microscope on polished cross sections encased in epoxy. Too much hardness causes brittleness; not enough causes premature wear.

**Torsional tensile strength** is monitored for every batch of steel. An ongoing effort is made to improve strength and reduce or eliminate shattering. The heat treating process is adjusted for every batch of steel to obtain maximum ductility and hardness.

Extensive lab testing has proven that Bondhus tools consistently generate up to 20% more torque than any other manufacturer in the industry. Independent lab testing results are available within the **Tech Library section at [www.bondhus.com](http://www.bondhus.com)**.

## Inferior Tools are Expensive

**Time is money**, and the real cost of using an inferior tool is realized when something goes wrong. As anyone who works with mechanical devices knows, bad things occasionally happen. It's not a question of "if", but rather "when".



Stripped screw heads are one of those bad things that happen. A stripped screw head can no longer be removed with a hex tool. If it's in a difficult to reach location, where a clamping device cannot grip it, the task becomes particularly problematic.

**The cost** of a high quality hex tool is negligible compared to the cost of removing a broken or stripped screw. Will the removal take a few hours? An entire day? What is the real cost of an inexpensive, poorly performing hex tool?

**Bondhus quality hex tools** are made from Protanium® high torque steel and have sharper corners to generate maximum holding and turning forces within the screw to virtually eliminate stripped screw heads.

### Professional hex tools

deliver a level of performance not attainable by consumer grade tools. In addition, safety is a factor that can impact the "actual" cost of ownership. As a result, knowledgeable buyers and professionals alike recognize the serious dangers of inferior tools that shatter instead of breaking clean.

The purpose of a high quality tool is to provide a faster, easier, and less costly means of performing a task. Bondhus strives to provide not just "good" tools, but the finest tools available anywhere. Customer satisfaction is what we strive for.



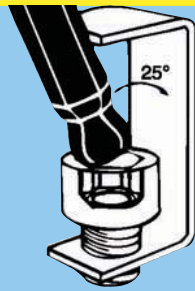
# BONDHUS Timesaving GorillaProof Tools

## Why a Bondhus Ball End Tool?

**A** ball end tip is a tremendous time saver. It allows a tool to be inserted into a screw head quickly, even from an angle or when working in the blind.

The concept by which the ball end tip slides into a screw head is known as funnel insertion. The side of the ball end directs or funnels the tool into the screw head, and precise machining ensures an exact fit between tool and screw head.

**Bondhus is not a “me too” manufacturer of ball end tools; Bondhus invented the hex ball end and for almost forty years has been continually improving on this invention. Bondhus ball end tools sell better than the competition because they work better and last longer than competitor tools. It’s that simple. Bondhus ball end tools significantly reduce the amount of time it takes to complete a task.**



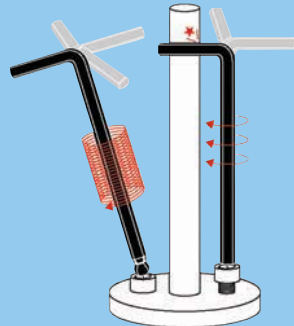
### Angle entry to 25°

- Works in hard to reach areas
- Faster insertion and removal
- Precisely machined tip “funnels” itself into screw head



### Ergonomic design

- Allow natural hand and wrist rotation
- Turns a full 360° in location
- Reduces user fatigue



### Efficient design

- Works even in blind locations or near obstructions
- Eliminates need to continuously remove, reposition, and reinsert tool
- Engages to full depth
- Reduces ‘stripping’ problems

## Bondhex™ Cases

Thirty years ago, Bondhus introduced the first molded case for organizing hex keys.

- **Color coded for easy identification:**  
Inch (yellow)  
Metric (red)  
Star (green)
- **Convenient storage holds tools firmly in place**



- Organizes hex tools in a compact manner
- Sorts and prevents loose or lost hex keys
- A slight twist of the wrist releases tools from their locked position

## GorillaGrip® Folding Tools

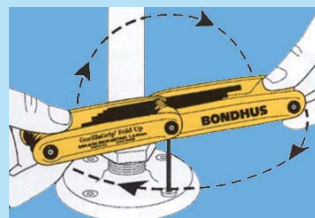
Bondhus developed the molded handle that revolutionized the concept of fold up tools.

- Handle fits comfortably in a users hand
- Does not conduct heat or cold
- 40% stronger than comparable steel handles
- Time saving blade selection
  - Special flutes separate tools
  - Flutes allow quick selection of one blade at a time
  - Eliminates annoyance of having to constantly unstack blades to make a selection
- Eight different tips available



- Color coded handles for easy identification: Inch (yellow), Metric (red), Star (green).
- Turn & flip feature eliminates constant repositioning of tool when working near obstructions

- 90° stop feature converts the GorillaGrip® folding tool into a time saving speed wrench

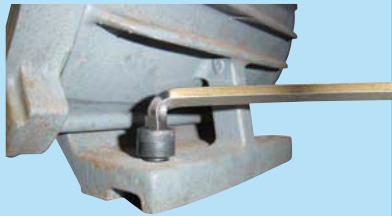




## Stubby tools

Bondhus was the first U.S. manufacturer to introduce a complete line of short arm hex key tools for applications where a standard hex key cannot reach.

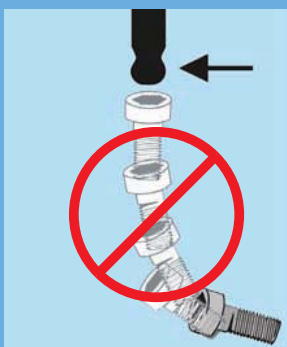
- Reach into low clearance areas and turn a screw
- No need to ever cut down and file a standard wrench again as a makeshift solution
- Tighter short arm radius than a standard hex key
- Short arm has hex tip, and long arm has a ball end tip for maximum time savings



## ProHold® Tip Screw Holding Technology

Bondhus is the developer and exclusive manufacturer of patented ProHold® tip tools — the best screw holding technology available.

- Holds screws tight on the tool every time
- Available for both hex and star tools
- Bondhus is the only manufacturer making screw holding tools in sizes as small as .050" and 1.27mm
- Smooth tool rotation is preserved
- Does not reduce the strength of the tool or cause damage to the screw head
- Non-magnetic
- Never drop a screw again
- Available in a full range of Hex and Star sizes: .050" to 3/8", 1.27mm to 10mm, and T9 to T60



## Handles Designed for Productivity

### Ergonomically Shaped T-handles

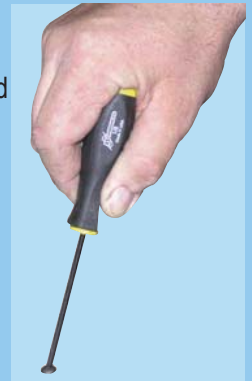
Bondhus is the only U.S. manufacturer to design and build T-handles that fit the shape of a user's hand.



- Mass of the full metal handle generates a flywheel effect for rapid insertion or removal of screws
- Tough coating resists damage and cushions grip
- Handle does not attract or hold dirt — excellent cleanup qualities
- Slight curve eliminates painful problem of handles digging into hands
- Handle welded directly to blade - eliminates loosening and wobbling of blade due to wear
- Focuses effort on turning a screw, instead of finding a comfortable grip on the handle
- Color coded for easy identification: Inch (yellow), Metric (red), Star (green)

### ComfortGrip Screwdriver Handles

Bondhus was the first U.S. hex tool manufacturer to introduce cushioned grip style screwdriver handles for hex and star tools.



- Handles proportioned to blade size to prevent blade breakage
- Soft, cushioned handle with positive, non-slip surface
- Good grip even with wet or oily hands
- Reduces fatigue to accomplish more — with less effort
- Anti-roll on inclined or vibrating surfaces
- Color coded for easy identification: Inch (yellow), Metric (red), Star (green)

### Star wing and flag handles



These are real time savers for special star and star plus applications.

- Can be gripped in many different ways
- The green handle top allows for rapid fingertip spinning of tool
- Handles generate needed torque to seat or break loose a screw — even the very delicate screws found in electronics applications

# BONDHUS Timesaving GorillaProof Tools



**P**roGuard™ dry surface protection is yet another Bondhus exclusive. It is the most

effective solution in the industry for protecting tools from rust and corrosion.

Most hex tool manufacturers cut corners by providing inadequate protection against corrosion. Tool manufacturers deal with the problem of rust and corrosion by providing a range of solutions:

- Plating provides a degree of protection, but it eventually nicks, flakes or wears off, and allows water to seep in.
- Black oxide finishes provide only limited protection. Almost with the first use, the finish begins to wear off and allow water to penetrate through to the tool.

- Coating a tool with oil is nearly no protection at all. Almost immediately, it is vulnerable to rust and corrosion.

ProGuard™ dry surface finish is a radically different solution that offers vastly superior protection. It starts with caustic cleaning to remove all oxides and impurities on the surface. A proprietary electrolytic process is then used to grow a very tight and small grained crystal structure on the surface of the tool. In addition, a fast drying oil is used to provide yet a second line of protection. The resulting finish creates a surface that is very difficult for moisture and contaminants to penetrate.

Results of comparative Salt Spray performance testing, conducted by an independent lab, provide dramatic proof that the Bondhus ProGuard™ corrosion protection is up to five times more effective than any other solution available. Independent lab testing results are available within the

**Tech Library section at [www.bondhus.com](http://www.bondhus.com).**



Actual corrosion after 10 hours exposure to salt spray

## Consistency Of Machining:

Every manufacturer advertises the “quality” of their tools. Independent laboratory testing, however, reveals results that are not always consistent with those claims.

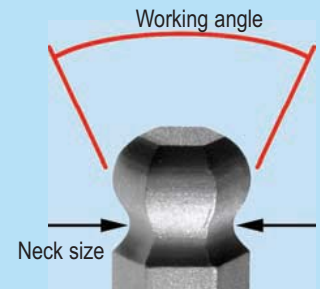
A tool’s effectiveness is directly proportional to how well it fits into a fastener. Bondhus manufactures tools to the tightest tolerances in the tool industry. Every tool is designed for the absolute optimal fit in a fastener. Tighter tolerances mean the best possible fit between tool and fastener will always be achieved.

The Bondhus specification demands stock that is free of defects created in the drawing process, sharp and clean corners, precise machining and a tightly sealed surface to prevent damage from corrosion.

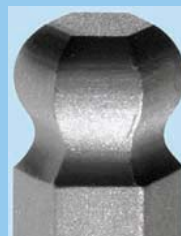
A poorly machined ball end tip does not fit properly into a screw head. It risks stripping the screw head and may not produce a

smooth rotating action, further hampering tool use.

Machining a ball end on a small tool is very difficult to accomplish. Compare the precision of a Bondhus .050" ball end and the tool of a typical competitor. (See photo at bottom of page.) Bondhus means precision.



**Strength and working angle** are two of the primary characteristics by which ball end tips are rated. Increasing neck size produces a corresponding increase in strength, but does so at the expense of allowable working angle. Conversely, a smaller neck size increases working angle, but decreases strength.



Bondhus Precision



Competitor poorly machined

.050" Ball end Comparison

**No Burrs:** The clearance between a hex key and the screw into which it is inserted is typically .0005" or less on each side of the key, and even a small burr can interfere with or prevent insertion. If the socket of a screw head is on the small side of its tolerance, and the hex key is on the large side, any amount of burr will prevent proper insertion.



The imprecise nature of the competition's cutting method known as 'precision cutting' creates burrs that interfere with inserting the tool into a screw head.

**Chamfering:** Insertion of a straight hex or star tip into a screw head is much easier when all burrs are eliminated by chamfering the tip of the tool. Bondhus employs several styles of chamfers, using each style where it is most effective. The type of chamfer used is not critical. The point is to ensure that burrs are removed from all hex and star keys as shown by the Bondhus tool below.



**Bondhus ball end tips** are unique. They are capable of achieving superior torque while retaining a working angle of up to 25° because of

the superior torque and ductility characteristics of Protanium® steel. No other competitor can match this performance with common grades of steel.

Every Bondhus tool is subject to its own set of specifications. Bondhus is meticulous about quality control — no deviation from the spec, no seconds, no exceptions. Period.



At Bondhus, we believe in the quality of our tools and the warranty they carry is your proof. Not all warranties are created equal, and the tool industry is no exception. Reading the fine print often makes telling statements about the manufacturer's confidence in their own product.

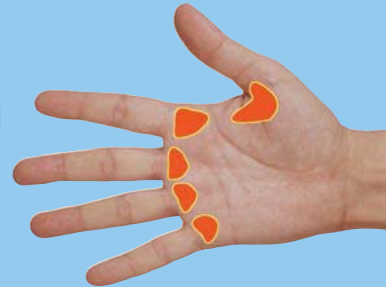
Bondhus tools are designed by toolmakers to work hard, save time, and to last. Only Bondhus offers an unconditional lifetime warranty.

**All Bondhus products are guaranteed for life. If you are not happy with a Bondhus® tool — for any reason — simply return it. A replacement will be shipped right out at no cost — no hassles, no questions asked!**

## Ergonomic Handle Designs

Good handle design doesn't just happen; it's the outcome of experience and design refinement performed by dedicated people who care about the tool user. Bondhus handles are designed by people who know, understand, and use tools for a living.

- **Tool user strength** is a major consideration in handle design because handles need to accommodate a range of hand strengths. Bondhus designs its handles to accommodate a wide range of user hand sizes and strengths.
- **Ergonomic designs** ensure all handles fit comfortably in the users hands. As a result, tool users experience less fatigue and the pain associated with aggressive or prolonged tool use. Non slip surfaces ensure good grip, even in wet or oily conditions.
- **Bondhus handles**, fitted with ball end blades, are designed and sized to match the torque capacity of each blade tip.
- **Blade torque** is accurately established for every blade and is consistently maintained in the manufacturing process. Variations in torque yield unpredictable results when the blade is coupled with a handle. Tool users can be confident that Bondhus handles will not over torque the blade, and result in damage to the tool.



***Bondhus handles are well designed, are a joy to use, and greatly enhance a tool user's efficiency in performing a task. In addition, Bondhus handles are designed to protect both their blades and the fasteners they drive from wear and breakage.***

# ProHold® Tip Tools



Available in a full range of hex ball end and star sizes:

- .050" to 3/8"
- 1.27mm to 10mm
- T9 to T60



Holds screws tight on the tool EVERY TIME

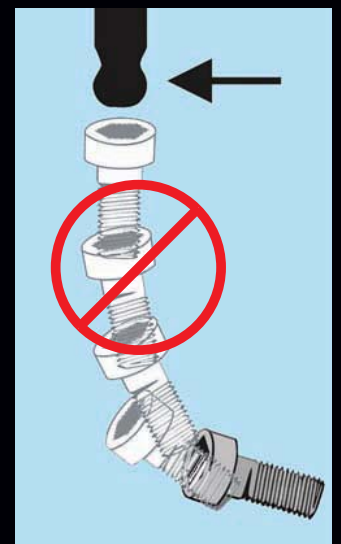
Button is non-magnetic

Super smooth rotational action, with no interference from the ProHold® button

Tool strength is not compromised by the ProHold® button



Patented ProHold® tip technology means never dropping a screw again



## Color Coded

- Inch
- Metric
- Star



High Torque Steel:

- Up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel.



Corrosion-resistant finish:

- Environmentally safe, provides better tool grip, resists solvents and is 5 times more corrosion resistant than competitor finishes.

# ProHold® Tip Tools

## Hex Key Sets

### Inch Sizes



Long

SIZE	PCS	PART#	MODEL #
.050 – 3/8	13	74937	PBLX13
1/16 – 1/4	10	74938	PBLX10

### Metric Sizes



Long

SIZE	PCS	PART#	MODEL #
1.5 – 6mm	7	74992	PBLX7M
1.5 – 10mm	9	74999	PBLX9M

## Screwdriver Sets

### Inch Sizes



SIZE	PCS	PART#	MODEL #
.050 – 5/32	8	74632	PBSX8S
.050 – 3/8	13	74637	PBSX13

### Metric Sizes



SIZE	PCS	PART#	MODEL #
1.5 – 5mm	6	74686	PBSX6M
1.5 – 10mm	9	74699	PBSX9M

## Hex Key Double Pack



SIZE	PCS	PART#	MODEL #
.050 – 3/8	22	20499	PBLX22
1.5 – 10mm			

## Star Screwdriver Set



SIZE	PCS	PART#	MODEL #
T9 – T40	8	75534	PHTSX8

## T-Handle Sets

### Inch Sizes



SIZE	PCS	PART#	MODEL #
5/32 – 3/8	6	75146	PBTX60

### Metric Sizes



SIZE	PCS	PART#	MODEL #
4 – 10mm	5	75148	PBTX50M

## Star Key Set



SIZE	PCS	PART#	MODEL #
T9 – T40	8	71834	PHTX8

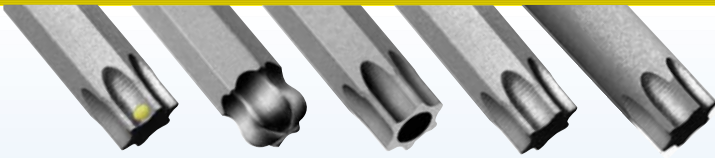
## Star T-Handle Set



SIZE	PCS	PART#	MODEL #
T9 – T40	8	74034	PHTTHX8



# Star Tools



A full range of tip sizes from T5 to T60

Wing and flag tools are available in Star and Star Plus tip styles



Unique Bondhus BallStar™ tips bring the advantages of a ball end to tasks requiring a star tip



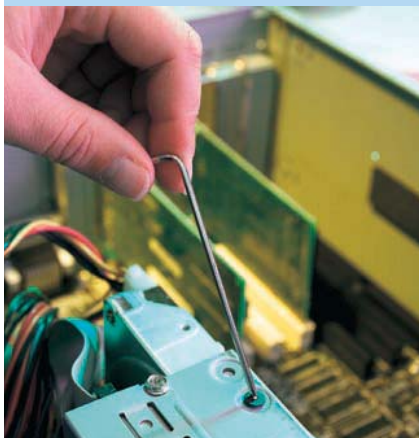
Precise machining of star tip means ease of entry and full engagement in screw



Wing and flag handles allow a variety of ways to grip the tool. Perfect for applications where other handle types might be awkward to use.



Generate the necessary torque — with ease



## Color Coded

■ Star

## Proanium High Torque Steel:

- Up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel.

## ProGuard Corrosion-resistant finish:

- Environmentally safe, provides better tool grip, resists solvents and is 5 times more corrosion resistant than competitor finishes.



Bondhus Star and Star Plus tools fit TORX® brand screws.

TORX® is a registered trademark of Textron, Inc.

## Star Key Sets



★		ProHold® Star Tip		BallStar™ Tip		Star Tip		Tamper-Resistant Tip	
SIZE	PCS	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #
T6 – T25	8			11331	LTX8S	31832	TLX8S	32432	TR-TL8S
T9 – T40	8	71834	PHTX8	11332	LTX8	31834	TLX8	32434	TR-TL8
T6 – T15	6			11346	LTX6				
Short Arm:									
T6 – T25	8					31732	TLXS8S		
T9 – T40	8					31734	TLXS8		

## T-Handle Sets with Stand



★		ProHold® Tip				Star Tip	
SIZE	PCS	LENGTH	W/STAND	PART#	MODEL#	PART#	MODEL#
T9 – T40	8	Graduated	✓	74034	PHTTHX8	33034	TTHX8

## Screwdriver Sets



★		ProHold® Tip		Ballstar™ Tip		Star Tip		Tamper-Resistant Tip	
SIZE	PCS	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #
T6 – T25	8					34532	TSX8S	33832	TR-SX8S
T6 – T15	6			13546	STX6				
T9 – T40	8	75534	PHTSX8	13532	STX8	34534	TSX8	33834	TR-SX8

## GorillaGrip® Fold Ups



★		Star Tip		Tamper-Resistant Tip	
SIZE	PCS	PART#	MODEL#	PART#	MODEL#
T6 – T25	8	12632	TF8S		
T7 – T25	7			12636	TR-TF7S
T9 – T40	8	12634	TF8	12638	TR-TF8

## Wing and Flag handle drivers are perfect for insertion and removal of insert tooling in oily environments

- Available in sizes T5 – T20
- Star and Star Plus
- Soft rubber outer coating for maximum comfort and grip
- Tough thermoplastic core
- Protanium® steel and ProGuard™ Finish



### Wing Handle Set

SIZE	PCS	PART#	MODEL#	PART#	MODEL#
T6 – T20	7	34745	TWX7	33945	TPWX7

### Flag Handle Set

SIZE	PCS	PART#	MODEL#	PART#	MODEL#
T6 – T20	7	34445	TFX7	35045	TPFX7

### Wing Handle Singles

SIZE	QTY	PART#	INCH	MM	PART#	INCH	MM
T6	2	34706	1.5	37	33906	2.0	50
T7	2	34707	1.5	37	33907	2.0	50
T8	2	34708	1.5	37	33908	2.0	50
T9	2	34709	1.5	37	33909	2.0	50
T10	2	34710	1.5	37	33910	2.0	50
T15	2	34715	1.5	37	33915	2.0	50
T20	2	34720	1.5	37	33920	2.0	50

### Flag Handle Singles

SIZE	QTY	PART#	INCH	MM	PART#	INCH	MM
T5	2	34405	1.5	37	35006	2.0	50
T6	2	34406	1.5	37	35007	2.0	50
T7	2	34407	1.5	37	35008	2.0	50
T8	2	34408	1.5	37	35009	2.0	50
T9	2	34409	1.5	37	35010	2.0	50
T10	2	34410	1.5	37	35015	2.0	50
T15	2	34415	1.5	37	35020	2.0	50
T20	2	34420	1.5	37			

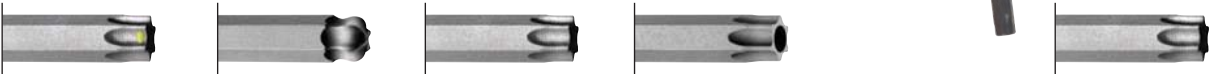
### T-Handle Singles — Graduated Lengths

SIZE	QTY	INCH	MM	PART#	PART#
T9	2	6.1	155	74009	33009
T10	2	6.4	161	74010	33010
T15	2	6.6	168	74015	33015
T20	2	6.9	174	74020	33020
T25	2	7.1	180	74025	33025
T27	2	7.4	187	74027	33027
T30	2	7.6	193	74030	33030
T40	2	7.9	199	74040	33040
T45	2	8.1	206	74045	33045
T50	2	8.4	213	74050	33050
T55	2	8.6	218	74055	33055






## Star Key Singles




			ProHold® Star Tip		BallStar™ Tip		Star Tip					Tamper-Resistant Tip					Star Tip Short	
			Tagged/Barcoded		Tagged/Barcoded		Tagged/Barcoded					Tagged/Barcoded					Tagged/Barcoded	
SIZE	INCH	MM	QTY	PART#	QTY	PART#	QTY	PART#	QTY	PART#	QTY	PART#	SIZE	INCH	MM	QTY	PART#	
T5													T5	0.9	23	5	31705	
T6	2.1	55			5	11706	5	31806	2	32406			T6	1.1	29	5	31706	
T7	2.4	61			5	11707	5	31807	2	32407			T7	1.4	35	5	31707	
T8	2.6	67			5	11708	5	31808	2	32408			T8	1.6	42	5	31708	
T9	2.9	74	5	71809	5	11709	5	31809	2	32409			T9	1.9	48	5	31709	
T10	3.2	80	5	71810	5	11710	5	31810	2	32410			T10	2.2	55	5	31710	
T15	3.3	84	5	71815	5	11715	5	31815	2	32415			T15	2.3	59	5	31715	
T20	3.6	91	5	71820	5	11720	5	31820	2	32420			T20	2.6	66	5	31720	
T25	3.8	98	5	71825	5	11725	5	31825	2	32425			T25	2.8	72	5	31725	
T27	4.2	106	5	71827	5	11727	5	31827	2	32427			T27	3.2	81	5	31727	
T30	4.6	116	5	71830	5	11730	5	31830	2	32430			T30	3.6	90	5	31730	
T40	4.9	125	5	71840	5	11740	5	31840	2	32440			T40	3.9	99	5	31740	
T45	5.4	138	2	71845	1	11745	2	31845					T45	3.9	98	2	31745	
T50	6.2	156	2	71850	1	11750	2	31850					T50	3.8	97	2	31750	
T55	6.7	171	2	71855	1	11755	2	31855					T55	3.8	95	2	31755	
T60	7.2	182	2	71860			2	31860					T60	3.7	93	2	31760	

## Screwdriver Singles



				ProHold® Tip		Tamper-Resistant Tip						Star Tip	
SIZE	QTY	INCH	MM	PART#	PART#	SIZE	QTY	INCH	MM	PART#			
T6	1	4.3	108		33806	T5	2	4.0	102	34505			
T7	1	4.5	114		33807	T6	2	4.3	108	34506			
T8	1	4.8	121		33808	T7	2	4.5	114	34507			
T9	1	4.9	124	75509	33809	T8	2	4.8	121	34508			
T10	1	5.0	128	75510	33810	T9	2	4.9	124	34509			
T15	1	5.1	131	75515	33815	T10	2	5.0	128	34510			
T20	1	5.4	138	75520	33820	T15	2	5.1	131	34515			
T25	1	5.7	144	75525	33825	T20	2	5.4	138	34520			
T27	1	5.8	147	75527	33827	T25	2	5.7	144	34525			
T30	1	6.0	153	75530	33830	T27	2	5.8	147	34527			
T40	1	6.3	159	75540	33840	T30	2	6.0	153	34530			
T45	1	6.5	166	75545		T40	2	6.3	159	34540			
T50	1	6.8	172	75550		T45	1	6.5	166	34545			
T55	1	7.0	178	75555		T50	1	6.8	172	34550			
T60	1	7.3	185	75560		T55	1	7.0	178	34555			
						T60	1	7.3	185	34560			



				BallStar™ Tip	
SIZE	QTY	INCH	MM	PART#	
T6	2	2.6	62	12706	
T7	2	2.6	62	12707	
T8	2	2.6	62	12708	
T9	2	2.6	62	12709	
T10	2	2.8	69	12710	
T15	2	2.9	73	12715	
T20	2	3.2	81	12720	
T25	2	3.4	87	12725	
T27	2	3.8	97	12727	
T30	2	4.2	106	12730	
T40	2	4.6	117	12740	
T45	1	5.2	132	12745	
T50	1	6.0	153	12750	
T55	1	6.8	172	12755	



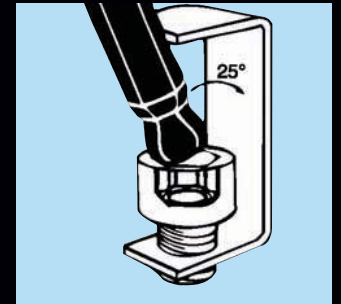
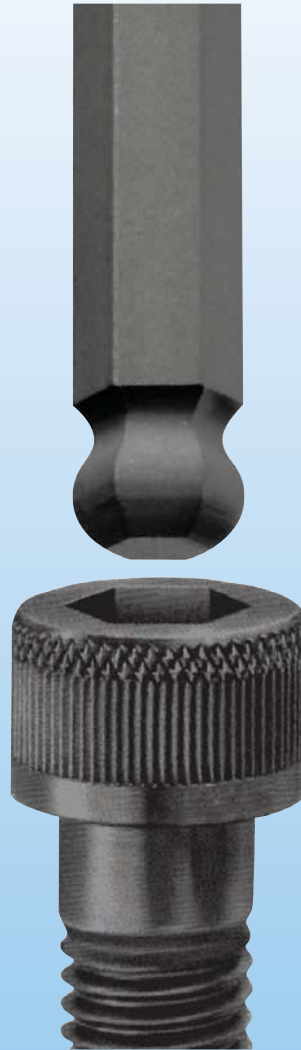
# Ball End Tools



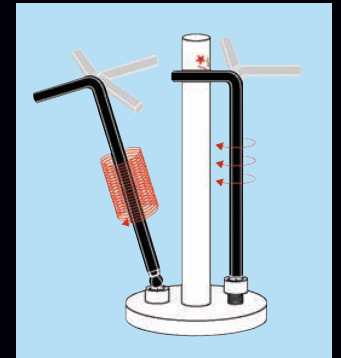
## Balldriver® tools are tremendous time savers

High quality machining means:

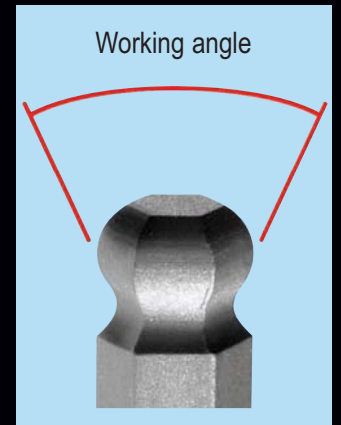
- Smooth rotational action
- Extended tip life
- Reduced fastener wear



Screws insert into screw head quickly, from up to a 25° angle, even when working in blind locations



Work efficiently, even near obstructions



Engineered to deliver the perfect balance between tip strength and working angle



### Color Coded

- Inch
- Metric
- Star



High Torque Steel:

- Up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel.



Corrosion-resistant finish:

- Environmentally safe, provides better tool grip, resists solvents and is 5 times more corrosion resistant than competitor finishes.

# Ball End Tool Sets

## Ball end Hex Key Sets



### Inch Sizes

.050	1/16	5/64	3/32	7/64	1/8	9/64	5/32	3/16	7/32	1/4	5/16	3/8	7/16	1/2	Pro-Hold® Tip	ProGuard™	GoldGuard™	BriteGuard™	Stubby	PCS	Long	PART#	MODEL#
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓				8		10932	BLX8
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓				12		10936	BLX12
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			✓			12		37936	BLX12G
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓		12		16936	BLX12B
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	PH	✓				13		74937	PBLX13
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓				13		10937	BLX13
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			✓			13		37937	BLX13G
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓		13		16937	BLX13B
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓			✓	13		16537	SBLX13
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓	✓	13		16737	SBLX13B
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓				13	in metal box	10933	MBLX13
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	PH	✓				15	in vinyl roll up pouch	10935	BLX15
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓				10		74938	PBLX10
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓				10		10938	BLX10
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			✓			10		37938	BLX10G
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓			✓	10		16938	BLX10B
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓	✓	10		16538	SBLX10
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓	✓	10		16738	SBLX10B
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓				7		10945	BLX7

### Metric Sizes

1.27	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	10.0						PCS	Extra Long	Long	PART#	MODEL#	PART#	MODEL#
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						15					10995	BLX15M
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			✓			15				38095	BLX15MG	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓		15	17095	BLX15MB				
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			✓			6				10946	BLX6M	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓		6				38046	BLX6MG	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓		6	17046	BLX6MB				
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	PH	✓				7				74992	PBLX7M	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓				7				10992	BLX7M	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					✓	7				16592	SBLX7M	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓	✓	7				16792	SBLX7MB	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓		7				38092	BLX7MG	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓	✓	7	17092	BLX7MB				
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	PH	✓				9				74999	PBLX9M	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		✓				9				10999	BLX9M	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					✓	9				16599	SBLX9M	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓	✓	9				16799	SBLX9MB	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				✓	✓	9				38099	BLX9MG	
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			✓			9	17099	BLX9MB				
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						13		in metal box			10989	MBLX13M














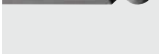




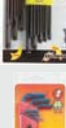



# Ball End Tool Sets

## Double Packs and Multi Packs

Combinations of our most popular sets







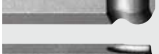

- Two sets per package
- Tip selections include Balldriver®, Hex, Star and ProHold® tips

TIPS		INCH SIZE	METRIC SIZE	STAR SIZE	TOOLS	PART#	MODEL #
			1.5 - 10mm Ball end hex key set		16pcs	14187	BLF16
			2 - 8mm Hex tip GorillaGrip® fold up				
		.050 - 3/8 Ball end hex key set			22pcs	14189	BLF22
		5/64 - 1/4 Hex tip GorillaGrip® fold up					
		.050 - 3/8 Ball end hex key set	1.5 - 10mm Ball end hex key set		22pcs	20199	BLX22
		.050 - 5/16 Ball end hex key set	1.5 - 10mm Ball end hex key set		21pcs	20196	BLX21
		.050 - 3/8 Ball end GoldGuard™ hex key set	1.5 - 10mm Ball end GoldGuard™ hex key set		22pcs	20899	BLX22G <i>(with GoldGuard™ finish)</i>
		.050 - 3/8 Ball end BriteGuard™ hex key set	1.5 - 10mm Ball end GoldGuard™ hex key set		22pcs	20399	BLX22GB <i>(with BriteGuard™/GoldGuard™ finish)</i>
		.050 - 3/8 Stubby Ball end hex key set	1.5 - 10mm Stubby Ball end hex key set		22pcs	20599	SBLX22
		.050 - 3/8 Ball end hex key set with ProHold® tip	1.5 - 10mm Ball end hex key set with ProHold® tip		22pcs	20499	PBLX22
			1.5 - 10mm Ball end hex key set	T6 - T25 GorillaGrip® fold up	17pcs	14126	BLF17S
			1.5 - 10mm Ball end hex key set	T9 - T40 GorillaGrip® fold up	17pcs	14128	BLF17
Hex Tip		.050 - 3/8 Hex key Set	1.5 - 10mm hex key set		22pcs	22199	HLX22

## Triple Packs

Balldriver®, Hex & Star Tips

Three tool sets per package — two hex key sets and one GorillaGrip® Fold Up

TIPS		INCH SIZE	METRIC SIZE	STAR SIZE	TOOLS	PART#	MODEL #
		.050 - 3/8 Ball end hex key set	1.5 - 10mm Ball end hex key set		34pcs	14130	BLF34
		5/64 - 5/32 and 1.5 - 5mm hex GorillaGrip® fold up					
		.050 - 3/8 Ball end hex key set	1.5 - 10mm Ball end hex key set	T6 - T25 Star GorillaGrip® fold up	30pcs	14132	BLF30TS
		.050 - 3/8 Ball end hex key set	1.5 - 10mm Ball end hex key set	T9 - T40 Star GorillaGrip® fold up	30pcs	14138	BLF30T

# Ball End Tool Sets

## T-Handle Sets



### Inch Sizes



SIZE	PCS	PART#	MODEL #
3/32 – 3/8	10	13138	BTX10
5/32 – 3/8	6	13146	BTX60
3/32 – 3/8	10	13190	BTX10/S*

### Metric Sizes

SIZE	PCS	PART#	MODEL #
4 – 10mm	5	13148	BTX50M
2 – 10mm	8	13187	BTX80M
2 – 10mm	8	13189	BTX80M/S*

\*With Stand

## GorillaGrip® Sets



### Inch Sizes



SIZE	PCS	PART#	MODEL #
3/16 – 3/8	5	12894	BF5

### Metric Sizes

SIZE	PCS	PART#	MODEL #
5 – 10mm	5	12897	BF5M

## Power Bit Sets

### Inch Sizes



SIZE	PCS	PART#	MODEL #
5/64 – 1/2	12	10836	BHX12

### Metric Sizes

SIZE	PCS	PART#	MODEL #
2 – 12mm	9	10899	BHX9M

## BallStar™ Screwdriver Sets



SIZE	PCS	PART#	MODEL #
T9 – T40	8	13532	STX8
T6 – T15	6	13546	STX6

## Screwdriver Sets

### Inch Sizes



SIZE	PCS	PART#	MODEL #
.050 – 5/32	8	10632	BSX8S
7/64 – 5/16	8	10633	BSX8
.050 – 3/8	13	10637	BSX13
5/64 – 3/16	7	10645	BSX7
5/64 – 3/8	11	10737	BSX11L

### Metric Sizes

SIZE	PCS	PART#	MODEL #
1.5 – 5mm	6	10686	BSX6M
1.27 – 5mm	7	10687	BSX7M
1.5 – 10mm	9	10699	BSX9M
2 – 10mm	8	10733	BSX8ML

## Insert Bit Sets

### Inch Sizes



SIZE	PCS	PART#	MODEL #
5/64 – 1/2	12	11036	BIX12

### Metric Sizes

SIZE	PCS	PART#	MODEL #
2 – 12mm	9	11099	BIX9M

## BallStar™ Key Sets



SIZE	PCS	PART#	MODEL #
T6 – T25	8	11331	LTX8S
T9 – T40	8	11332	LTX8
T6 – T15	6	11346	LTX6



# Stubby Tools



Low profile short arm allows entry into tight spots



Smaller inside radius for tight spaces

Ball end tip on long arm for fast insertion or extraction

Standard hex key can't fit in tight spots



Stubby hex keys eliminate the need to trim and file the short arm. A trimmed hex key introduces burrs, and still does not have the tight radius of a dedicated Stubby wrench.

## Color Coded

- Inch
- Metric



High Torque Steel:

- Up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel.



Corrosion-resistant finish:

- Environmentally safe, provides better tool grip, resists solvents and is 5 times more corrosion resistant than competitor finishes.

# Stubby Tools

## Stubby Balldriver® Sets with ProGuard™ finish



### Inch Sizes



Balldriver® Tip  
Long

SIZE	PCS	PART#	MODEL #
.050 – 3/8	13	16537	SBLX13
1/16 – 1/4	10	16538	SBLX10

### Metric Sizes



Balldriver® Tip  
Long

SIZE	PCS	PART#	MODEL #
1.5 – 6mm	7	16592	SBLX7M
1.5 – 10mm	9	16599	SBLX9M

## Stubby Balldriver® Sets with BriteGuard™ finish



### Inch Sizes



Balldriver® Tip  
Long

SIZE	PCS	PART#	MODEL #
.050 – 3/8	13	16737	SBLX13B
1/16 – 1/4	10	16738	SBLX10B

### Metric Sizes



Balldriver® Tip  
Extra Long

SIZE	PCS	PART#	MODEL #
1.5 – 6mm	7	16792	SBLX7MB
1.5 – 10mm	9	16799	SBLX9MB

## Stubby Balldriver® Singles with ProGuard™ finish



### Inch Sizes



Balldriver® Tip  
Long

					Tagged/Barcoded		Bulk	
SIZE	INCH	MM	INCH	MM	QTY	PART#	QTY	PART#
.050	2.8	72	.19	5	5	16502	50	26502
1/16	3.0	76	.16	4	5	16503	50	26503
5/64	3.2	81	.27	7	5	16504	50	26504
3/32	3.4	86	.29	7	5	16505	50	26505
7/64	3.6	90	.30	8	5	16506	50	26506
1/8	3.8	95	.32	8	5	16507	50	26507
9/64	4.0	101	.33	8	5	16508	50	26508
5/32	4.2	107	.35	9	5	16509	50	26509
3/16	4.5	114	.39	10	5	16510	50	26510
7/32	4.9	124	.46	12	2	16511	25	26511
1/4	5.3	133	.46	12	2	16512	25	26512
5/16	6.0	152	.57	14	2	16513	25	26513
3/8	6.8	171	.71	18	2	16514	25	26514

### Metric Sizes



Balldriver® Tip  
Long

					Tagged/Barcoded		Bulk	
SIZE	INCH	MM	INCH	MM	QTY	PART#	QTY	PART#
1.27	2.8	72	.19	5	5	16549	50	26549
1.5	3.0	77	.25	6	5	16550	50	26550
2.0	3.2	82	.27	7	5	16552	50	26552
2.5	3.5	88	.28	7	5	16554	50	26554
3	3.9	98	.32	8	5	16556	50	26556
4	4.3	110	.35	9	5	16560	50	26560
5	4.7	119	.40	10	2	16564	25	26564
6	5.5	139	.47	12	2	16568	25	26568
8	6.4	162	.57	14	2	16572	25	26572
10	7.4	187	.72	18	2	16576	25	26576

## Stubby Balldriver® Singles with BriteGuard™ finish



### Inch Sizes



Balldriver® Tip  
Long

					Tagged/Barcoded		Bulk	
SIZE	INCH	MM	INCH	MM	QTY	PART#	QTY	PART#
.050	2.8	72	.19	5	5	16702	50	26702
1/16	3.0	76	.16	4	5	16703	50	26703
5/64	3.2	81	.27	7	5	16704	50	26704
3/32	3.4	86	.29	7	5	16705	50	26705
7/64	3.6	90	.30	8	5	16706	50	26706
1/8	3.8	95	.32	8	5	16707	50	26707
9/64	4.0	101	.33	8	5	16708	50	26708
5/32	4.2	107	.35	9	5	16709	50	26709
3/16	4.5	114	.39	10	5	16710	50	26710
7/32	4.9	124	.46	12	2	16711	25	26711
1/4	5.3	133	.46	12	2	16712	25	26712
5/16	6.0	152	.57	14	2	16713	25	26713
3/8	6.8	171	.71	18	2	16714	25	26714

### Metric Sizes

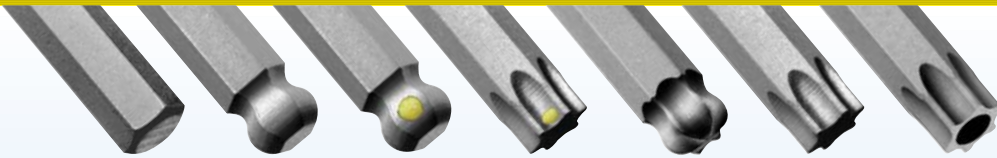


Balldriver® Tip  
Extra Long

					Tagged/Barcoded		Bulk	
SIZE	INCH	MM	INCH	MM	QTY	PART#	QTY	PART#
1.27	2.8	72	.19	5	5	16749	50	26749
1.5	3.5	90	.25	6	5	16750	50	26750
2.0	3.9	100	.27	7	5	16752	50	26752
2.5	4.4	112	.28	7	5	16754	50	26754
3	5.0	126	.32	8	5	16756	50	26756
4	5.6	142	.35	9	5	16760	50	26760
5	6.3	160	.40	10	2	16764	25	26764
6	6.8	172	.47	12	2	16768	25	26768
8	7.7	195	.57	14	2	16772	25	26772
10	8.8	224	.72	18	2	16776	25	26776



# Hex Key Tools



Chamfered tips for fast insertion and full tool engagement in the screw head

Twist-to-Lock case keeps keys organized by size

Sizes are printed on the case, making it easy to locate tools

Cases marked and color coded

Sorts and prevents loose or lost hex keys

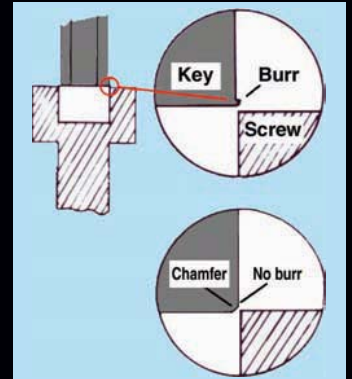


Twist to lock keys securely in place



Case may be used to increase leverage

Burr prevents key from fitting



Chamfered Bondhus key slides easily into screw head

## Color Coded

- Inch
- Metric
- Star



High Torque Steel:

- Up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel.



Corrosion-resistant finish:

- Environmentally safe, provides better tool grip, resists solvents and is 5 times more corrosion resistant than competitor finishes.



Hex and Star wrenches are also available



# Hex Key Sets

Extra Long, Long, Short & Stubby

## Hex Key Sets

### Inch Sizes



SIZE	LENGTH	Tip Type			PCS
		ProGuard™	GoldGuard™	BrillGuard™	
.050 – 5/32	Long	✓			8
"	Short	✓			8
.050 – 5/16	Long	✓			12
"	Long		✓		12
"	Long			✓	12
"	Short	✓			12
"	Short			✓	12
"	Short		✓		12
.050 – 3/8	Long	✓			13
"	Long		✓		13
"	Long			✓	13
"	Short	✓			13
"	Short			✓	13
"	Short		✓		13
"	Short			✓	13
"	Stubby	✓			13
"	Stubby		✓		13
1/16 – 1/4	Long	✓			10
"	Long		✓		10
"	Long			✓	10
"	Short	✓			10
"	Short			✓	10
"	Short		✓		10
"	Short			✓	10
"	Stubby	✓			10
"	Stubby		✓		10
5/64 – 3/16	Long	✓			7
"	Short	✓			7



ProHold® Tip		Balldriver® Tip		Hex Tip	
PART#	MODEL #	PART#	MODEL #	PART#	MODEL #
		10932	BLX8	12132	HLX8
				12232	HLX8S
		10936	BLX12	12136	HLX12
		37936	BLX12G	38136	HLX12G
		16936	BLX12B	16136	HLX12B
				12236	HLX12S
				16236	HLX12SB
				38236	HLX12SG
74937	PBLX13	10937	BLX13	12137	HLX13
		37937	BLX13G	38137	HLX13G
		16937	BLX13B	16137	HLX13B
				12237	HLX13S
				16237	HLX13SB
				38237	HLX13SG
		16537	SBLX13		
		16737	SBLX13B		
74938	PBLX10	10938	BLX10	12138	HLX10
		37938	BLX10G	38138	HLX10G
		16938	BLX10B	16138	HLX10B
				12238	HLX10S
				16238	HLX10SB
				38238	HLX10SG
		16538	SBLX10		
		16738	SBLX10B		
		10945	BLX7	12145	HLX7
				12245	HLX7S

### Metric Sizes

SIZE	LENGTH	Tip Type			PCS
		ProGuard™	GoldGuard™	BrillGuard™	
1.5 – 5mm	Long		✓		6
"	Extra Long			✓	6
"	Long	✓			6
"	Short	✓			6
"	Short			✓	6
"	Short		✓		6
1.5 – 6mm	Long		✓		7
"	Extra Long			✓	7
"	Long	✓			7
"	Short	✓			7
"	Short			✓	7
"	Short		✓		7
"	Stubby	✓			7
"	Stubby		✓		7
1.5 – 10mm	Long		✓		9
"	Extra Long			✓	9
"	Long	✓			9
"	Short	✓			9
"	Short			✓	9
"	Short		✓		9
"	Stubby	✓			9
"	Stubby		✓		9
1.27 – 10mm	Long	✓			15
"	Long		✓		15
"	Extra Long			✓	15

ProHold® Tip		Balldriver® Tip		Hex Tip	
PART#	MODEL #	PART#	MODEL #	PART#	MODEL #
		38046	BLX6MG	39146	HLX6MG
		17046	BLX6MB	17146	HLX6MB
		10946	BLX6M	12146	HLX6M
				12246	HLX6MS
				16246	HLX6MSB
				38246	HLX6MSG
		38092	BLX7MG	39192	HLX7MG
		17092	BLX7MB	17192	HLX7MB
74992	PBLX7M	10992	BLX7M	12192	HLX7M
				12292	HLX7MS
				16292	HLX7MSB
				38292	HLX7MSG
		16592	SBLX7M		
		16792	SBLX7MB		
		38099	BLX9MG	39199	HLX9MG
		17099	BLX9MB	17199	HLX9MB
74999	PBLX9M	10999	BLX9M	12199	HLX9M
				12299	HLX9MS
				16299	HLX9MSB
				38299	HLX9MSG
		16599	SBLX9M		
		16799	SBLX9MB		
		10995	BLX15M	12195	HLX15M
		38095	BLX15MG	39195	HLX15MG
		17095	BLX15MB	17195	HLX15MB

# Hex Keys

## Balldriver® & Hex Singles with ProGuard™ finish Long

Inch Sizes			ProHold® Tip Long				Balldriver® Tip Long				Hex Tip Long					
			Tagged/Barcoded		Bulk		Tagged/Barcoded		Bulk		Tagged/Barcoded		Bulk			
SIZE	INCH	MM	QTY	PART#	QTY	PART#	QTY	PART#	LIST EA	QTY	PART#	QTY	PART#	LIST EA	QTY	PART#
.028	2.6	66										10	15900		100	13900
.035	2.7	68										10	15901		100	13901
.050	2.8	72	5	75702	25	75902	10	15702		100	12902	10	15902		100	13902
1/16	3.0	76	5	75703	25	75903	10	15703		100	12903	10	15903		100	13903
5/64	3.2	81	5	75704	25	75904	10	15704		100	12904	10	15904		100	13904
3/32	3.4	86	5	75705	25	75905	10	15705		100	12905	10	15905		100	13905
7/64	3.6	90	5	75706	25	75906	10	15706		100	12906	10	15906		100	13906
1/8	3.8	95	5	75707	25	75907	10	15707		100	12907	10	15907		100	13907
9/64	4.0	101	5	75708	25	75908	10	15708		100	12908	10	15908		100	13908
5/32	4.2	107	5	75709	25	75909	10	15709		100	12909	10	15909		100	13909
3/16	4.5	114	5	75710	25	75910	10	15710		100	12910	10	15910		100	13910
7/32	4.9	124	2	75711	10	75911	5	15711		50	12911	5	15911		50	13911
1/4	5.3	133	2	75712	10	75912	5	15712		50	12912	5	15912		50	13912
5/16	6.0	152	2	75713	10	75913	5	15713		50	12913	5	15913		50	13913
3/8	6.8	171	2	75714	10	75914	5	15714		50	12914	5	15914		50	13914
7/16	7.5	191					1	15715		25	12915	1	15915		25	13915
1/2	8.3	210					1	15716		25	12916	1	15916		25	13916
9/16	9.0	229					1	15717		10	12917	1	15917		10	13917
5/8	9.8	248					1	15718		10	12918	1	15918		10	13918
3/4	11.3	287					1	15719		5	12919	1	15919		5	13919

See page 32 for larger sizes.


Metric Sizes			ProHold® Tip Long				Balldriver® Tip Long				Hex Tip Long					
			Tagged/Barcoded		Bulk		Tagged/Barcoded		Bulk		Tagged/Barcoded		Bulk			
SIZE	INCH	MM	QTY	PART#	QTY	PART#	QTY	PART#	QTY	PART#	QTY	PART#	QTY	PART#		
0.71	2.6	66									10	15947		100	13947	
0.89	2.7	68									10	15948		100	13948	
1.27	2.8	72	5	75749	25	75949	10	15749		100	12949	10	15949		100	13949
1.5	3.0	77	5	75750	25	75950	10	15750		100	12950	10	15950		100	13950
2.0	3.2	82	5	75752	25	75952	10	15752		100	12952	10	15952		100	13952
2.5	3.5	88	5	75754	25	75954	10	15754		100	12954	10	15954		100	13954
3.0	3.9	98	5	75756	25	75956	10	15756		100	12956	10	15956		100	13956
3.5	3.9	100					1	15758		100	12958	1	15958		100	13958
4.0	4.3	109	5	75760	25	75960	10	15760		100	12960	10	15960		100	13960
4.5	4.5	114					1	15762		100	12962	1	15962		100	13962
5.0	4.7	119	2	75764	25	75964	5	15764		100	12964	5	15964		100	13964
5.5	4.9	124					1	15766		50	12966	1	15966		50	13966
6	5.5	139	2	75768	10	75968	5	15768		50	12968	5	15968		50	13968
7	5.9	150					1	15770		50	12970	1	15970		50	13970
8	6.4	162	2	75772	10	75972	5	15772		50	12972	5	15972		50	13972
9	6.9	175					1	15774		50	12974	1	15974		50	13974
10	7.4	187	2	75776	10	75976	5	15776		50	12976	5	15976		50	13976
11	7.9	200					1	15778		25	12978	1	15978		25	13978
12	8.7	220					1	15780		25	12980	1	15980		25	13980
14	10.2	259					1	15784		10	12984	1	15984		10	13984
17	11.0	280					1	15786		10	12986	1	15986		10	13986
19	11.6	295					1	15788		5	12988	1	15988		5	13988

See page 32 for larger sizes.

# Hex Keys

## Balldriver® & Hex Singles with ProGuard™ finish Short & Stubby

**Inch Sizes**

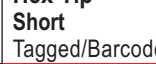


**Hex Tip Short**  
Tagged/Barcoded

SIZE	INCH	MM	QTY	PART#	QTY	PART#
.028	1.2	31	10	15800	100	13800
.035	1.2	31	10	15801	100	13801
.050	1.6	42	10	15802	100	13802
1/16	1.8	45	10	15803	100	13803
5/64	1.9	48	10	15804	100	13804
3/32	2.0	51	10	15805	100	13805
7/64	2.1	54	10	15806	100	13806
1/8	2.3	58	10	15807	100	13807
9/64	2.4	61	10	15808	100	13808
5/32	2.5	64	10	15809	100	13809
3/16	2.8	70	10	15810	100	13810
7/32	3.0	77	5	15811	50	13811
1/4	3.3	83	5	15812	50	13812
5/16	3.8	96	5	15813	50	13813
3/8	4.3	108	5	15814	50	13814
7/16	4.8	121	1	15815	50	13815
1/2	5.3	133	1	15816	50	13816
9/16	5.8	146	1	15817	25	13817
5/8	6.3	159	1	15818	20	13818
3/4	7.3	184	1	15819	15	13819

**Metric Sizes**


See page 32 for larger sizes.



**Hex Tip Short**  
Tagged/Barcoded

SIZE	INCH	MM	QTY	PART#	QTY	PART#
.71	1.2	31	10	15847	100	13847
.89	1.2	31	10	15848	100	13848
1.27	1.6	42	10	15849	100	13849
1.5	1.7	44	10	15850	100	13850
2.0	1.9	49	10	15852	100	13852
2.5	2.1	54	10	15854	100	13854
3.0	2.4	61	10	15856	100	13856
3.5	2.6	65	1	15858	100	13858
4.0	2.7	68	10	15860	100	13860
4.5	2.9	73	1	15862	100	13862
5.0	3.1	78	5	15864	100	13864
5.5	3.3	83	1	15866	50	13866
6	3.5	88	5	15868	50	13868
7	3.7	93	1	15870	50	13870
8	3.9	98	5	15872	50	13872
9	4.0	102	1	15874	50	13874
10	4.3	109	5	15876	50	13876
11	4.5	115	1	15878	50	13878
12	4.8	122	1	15880	50	13880
14	5.4	136	1	15884	25	13884
17	6.1	156	1	15886	20	13886
19	6.9	175	1	15888	15	13888

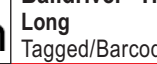
**Inch Sizes**



**Balldriver® Tip Stubby Long**  
Tagged/Barcoded

SIZE	INCH	MM	INCH	MM	QTY	PART#	QTY	PART#
.050	2.8	72	.19	5	5	16502	50	26502
1/16	3.0	76	.16	4	5	16503	50	26503
5/64	3.2	81	.27	7	5	16504	50	26504
3/32	3.4	86	.29	7	5	16505	50	26505
7/64	3.6	90	.30	8	5	16506	50	26506
1/8	3.8	95	.32	8	5	16507	50	26507
9/64	4.0	101	.33	8	5	16508	50	26508
5/32	4.2	107	.35	9	5	16509	50	26509
3/16	4.5	114	.39	10	5	16510	50	26510
7/32	4.9	124	.46	12	2	16511	25	26511
1/4	5.3	133	.46	12	2	16512	25	26512
5/16	6.0	152	.57	14	2	16513	25	26513
3/8	6.8	171	.71	18	2	16514	25	26514

**Metric Sizes**



**Balldriver® Tip Stubby Long**  
Tagged/Barcoded

SIZE	INCH	MM	INCH	MM	QTY	PART#	QTY	PART#
1.27	2.8	72	.19	5	5	16549	50	26549
1.5	3.0	77	.25	6	5	16550	50	26550
2.0	3.2	82	.27	7	5	16552	50	26552
2.5	3.5	88	.28	7	5	16554	50	26554
3	3.9	98	.32	8	5	16556	50	26556
4	4.3	110	.35	9	5	16560	50	26560
5	4.7	119	.40	10	2	16564	25	26564
6	5.5	139	.47	12	2	16568	25	26568
8	6.4	162	.57	14	2	16572	25	26572
10	7.4	187	.72	18	2	16576	25	26576


See page 32 for larger sizes.



# Hex Keys

## Balldriver® & Hex Singles with BriteGuard™ finish Long & Extra Long


### Inch Sizes



**Balldriver® Tip Long**  
Tagged/Barcoded

SIZE	INCH	MM	Tagged/Barcoded		Bulk	
SIZE	INCH	MM	QTY	PART#	QTY	PART#
.028	2.6	66				
.035	2.7	68				
.050	2.8	72	10	16902	50	26902
1/16	3.0	76	10	16903	50	26903
5/64	3.2	81	10	16904	50	26904
3/32	3.4	86	10	16905	50	26905
7/64	3.6	90	10	16906	50	26906
1/8	3.8	95	10	16907	50	26907
9/64	4.0	101	10	16908	50	26908
5/32	4.2	107	10	16909	50	26909
3/16	4.5	114	10	16910	50	26910
7/32	4.9	124	5	16911	25	26911
1/4	5.3	133	5	16912	25	26912
5/16	6.0	152	5	16913	25	26913
3/8	6.8	171	5	16914	25	26914
7/16	7.5	191	1	16915		
1/2	8.3	210	1	16916		
9/16	9.0	229	1	16917		
5/8	9.8	248	1	16918		
3/4	11.3	286	1	16919		


### Metric Sizes



**Balldriver® Tip Extra Long**  
Tagged/Barcoded

SIZE	INCH	MM	Tagged/Barcoded		Bulk	
SIZE	INCH	MM	QTY	PART#	QTY	PART#
.71	2.6	66				
.89	2.7	68				
1.27	2.8	72	10	17049	50	27049
1.5	3.5	90	10	17050	50	27050
2.0	3.9	100	10	17052	50	27052
2.5	4.4	112	10	17054	50	27054
3.0	5.0	126	10	17056	50	27056
3.5	5.2	133	1	17058	50	27058
4.0	5.6	142	10	17060	50	27060
4.5	5.9	151	1	17062	50	27062
5.0	6.3	160	5	17064	50	27064
5.5	6.8	172	1	17066	25	27066
6	6.8	172	5	17068	25	27068
7	7.2	184	1	17070	25	27070
8	7.7	195	5	17072	25	27072
9	8.2	209	1	17074	25	27074
10	8.8	224	5	17076	10	27076
11	7.9	200	1	17078	10	27078
12	8.7	220	1	17080	10	27080
14	10.2	260	1	17084		
17	11.0	280	1	17086		
19	11.6	295	1	17088		

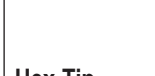
### Inch Sizes



**Hex Tip Long**  
Tagged/Barcoded

SIZE	INCH	MM	Tagged/Barcoded		Bulk	
SIZE	INCH	MM	QTY	PART#	QTY	PART#
.028	2.6	66	10	16100	50	26100
.035	2.7	68	10	16101	50	26101
.050	2.8	72	10	16102	50	26102
1/16	3.0	76	10	16103	50	26103
5/64	3.2	81	10	16104	50	26104
3/32	3.4	86	10	16105	50	26105
7/64	3.6	90	10	16106	50	26106
1/8	3.8	95	10	16107	50	26107
9/64	4.0	101	10	16108	50	26108
5/32	4.2	107	10	16109	50	26109
3/16	4.5	114	10	16110	50	26110
7/32	4.9	124	5	16111	25	26111
1/4	5.3	133	5	16112	25	26112
5/16	6.0	152	5	16113	25	26113
3/8	6.8	171	5	16114	25	26114
7/16	7.5	191	1	16115		
1/2	8.3	210	1	16116		
9/16	9.0	229	1	16117		
5/8	9.8	248	1	16118		
3/4	11.3	286	1	16119		

### Metric Sizes



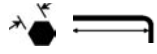
**Hex Tip Extra Long**  
Tagged/Barcoded

SIZE	INCH	MM	Tagged/Barcoded		Bulk	
SIZE	INCH	MM	QTY	PART#	QTY	PART#
.71	2.6	66	10	17147	50	27147
.89	2.7	68	10	17148	50	27148
1.27	2.8	72	10	17149	50	27149
1.5	3.5	90	10	17150	50	27150
2.0	3.9	100	10	17152	50	27152
2.5	4.4	112	10	17154	50	27154
3.0	5.0	126	10	17156	50	27156
3.5	5.2	133	1	17158	50	27158
4.0	5.6	142	10	17160	50	27160
4.5	5.9	151	1	17162	50	27162
5.0	6.3	160	5	17164	50	27164
5.5	6.8	172	1	17166	25	27166
6	6.8	172	5	17168	25	27168
7	7.2	184	1	17170	25	27170
8	7.7	195	5	17172	25	27172
9	8.2	209	1	17174	25	27174
10	8.8	224	5	17176	10	27176
11	7.9	200	1	17178	10	27178
12	8.7	220	1	17180	10	27180
14	10.2	260	1	17184		
17	11.0	280	1	17186		
19	11.6	295	1	17188		

# Hex Keys

## Balldriver® & Hex Singles with BriteGuard™ finish Short & Stubby

### Inch Sizes



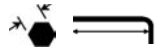
#### Hex Tip Short

Tagged/Barcoded

Bulk

SIZE	INCH	MM	QTY	PART#	QTY	PART#
.028	1.2	31	10	16200	50	26200
.035	1.2	31	10	16201	50	26201
.050	1.6	42	10	16202	50	26202
1/16	1.8	45	10	16203	50	26203
5/64	1.9	48	10	16204	50	26204
3/32	2.0	51	10	16205	50	26205
7/64	2.1	54	10	16206	50	26206
1/8	2.3	58	10	16207	50	26207
9/64	2.4	61	10	16208	50	26208
5/32	2.5	64	10	16209	50	26209
3/16	2.8	70	10	16210	50	26210
7/32	3.0	77	5	16211	25	26211
1/4	3.3	83	5	16212	25	26212
5/16	3.8	96	5	16213	25	26213
3/8	4.3	108	5	16214	25	26214
7/16	4.8	121	1	16215		
1/2	5.3	133	1	16216		
9/16	5.8	146	1	16217		
5/8	6.3	159	1	16218		
3/4	7.3	184	1	16219		

### Metric Sizes



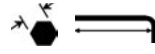
#### Hex Tip Short

Tagged/Barcoded

Bulk

SIZE	INCH	MM	QTY	PART#	QTY	PART#
.71	1.2	31	10	16247	50	26247
.89	1.2	31	10	16248	50	26248
1.27	1.6	42	10	16249	50	26249
1.5	1.7	44	10	16250	50	26250
2.0	1.9	49	10	16252	50	26252
2.5	2.1	54	10	16254	50	26254
3.0	2.4	61	10	16256	50	26256
3.5	2.6	65	1	16258	50	26258
4.0	2.7	68	10	16260	50	26260
4.5	2.9	73	1	16262	50	26262
5.0	3.1	78	5	16264	50	26264
5.5	3.3	83	1	16266	25	26266
6	3.5	88	5	16268	25	26268
7	3.7	93	1	16270	25	26270
8	3.9	98	5	16272	25	26272
9	4.0	102	1	16274	25	26274
10	4.3	109	5	16276	10	26276
11	4.5	115	1	16278	10	26278
12	4.8	122	1	16280	10	26280
14	5.4	136	1	16284		
17	6.1	154	1	16286		
19	6.9	175	1	16288		

### Inch Sizes



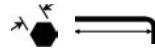
#### Balldriver® Tip Stubby Long

Tagged/Barcoded

Bulk

SIZE	INCH	MM	INCH	MM	QTY	PART#	QTY	PART#
.050	2.8	72	.19	5	5	16702	50	26702
1/16	3.0	76	.16	4	5	16703	50	26703
5/64	3.2	81	.27	7	5	16704	50	26704
3/32	3.4	86	.29	7	5	16705	50	26705
7/64	3.6	90	.30	8	5	16706	50	26706
1/8	3.8	95	.32	8	5	16707	50	26707
9/64	4.0	101	.33	8	5	16708	50	26708
5/32	4.2	107	.35	9	5	16709	50	26709
3/16	4.5	114	.39	10	5	16710	50	26710
7/32	4.9	124	.46	12	2	16711	25	26711
1/4	5.3	133	.46	12	2	16712	25	26712
5/16	6.0	152	.57	14	2	16713	25	26713
3/8	6.8	171	.71	18	2	16714	25	26714

### Metric Sizes



#### Balldriver® Tip Stubby Extra Long

Tagged/Barcoded

Bulk



SIZE	INCH	MM	INCH	MM	QTY	PART#	QTY	PART#
1.27	2.8	72	.19	5	5	16749	50	26749
1.5	3.5	90	.25	6	5	16750	50	26750
2.0	3.9	100	.27	7	5	16752	50	26752
2.5	4.4	112	.28	7	5	16754	50	26754
3	5.0	126	.32	8	5	16756	50	26756
4	5.6	142	.35	9	5	16760	50	26760
5	6.3	160	.40	10	2	16764	25	26764
6	6.8	172	.47	12	2	16768	25	26768
8	7.7	195	.57	14	2	16772	25	26772
10	8.8	224	.72	18	2	16776	25	26776



# Hex Keys

## Hex Singles with GoldGuard™ finish Long & Short Singles


### Inch Sizes

**Hex Tip Long**  
Tagged/Barcoded

SIZE	INCH	MM	QTY	PART#	QTY	PART#
.028	2.6	66	10	38100	50	28100
.035	2.7	68	10	38101	50	28101
.050	2.8	72	10	38102	50	28102
1/16	3.0	76	10	38103	50	28103
5/64	3.2	81	10	38104	50	28104
3/32	3.4	86	10	38105	50	28105
7/64	3.6	90	10	38106	50	28106
1/8	3.8	95	10	38107	50	28107
9/64	4.0	101	10	38108	50	28108
5/32	4.2	107	10	38109	50	28109
3/16	4.5	114	10	38110	50	28110
7/32	4.9	124	5	38111	25	28111
1/4	5.3	133	5	38112	25	28112
5/16	6.0	152	5	38113	25	28113
3/8	6.8	171	5	38114	25	28114
7/16	7.5	191	1	38115		
1/2	8.3	210	1	38116		
9/16	9.0	229	1	38117		
5/8	9.8	248	1	38118		
3/4	11.3	286	1	38119		



### Metric Sizes



**Hex Tip Long**  
Tagged/Barcoded

SIZE	INCH	MM	QTY	PART#	QTY	PART#
.71	2.6	66	10	39147	50	29147
.89	2.7	68	10	39148	50	29148
1.27	2.8	72	10	39149	50	29149
1.5	3.0	77	10	39150	50	29150
2.0	3.2	82	10	39152	50	29152
2.5	3.5	88	10	39154	50	29154
3.0	3.9	98	10	39156	50	29156
3.5	3.9	100	1	39158	50	29158
4.0	4.3	109	10	39160	50	29160
4.5	4.5	114	1	39162	50	29162
5.0	4.7	119	5	39164	50	29164
5.5	4.9	124	1	39166	25	29166
6	5.5	139	5	39168	25	29168
7	5.9	150	1	39170	25	29170
8	6.4	162	5	39172	25	29172
9	6.9	175	1	39174	25	29174
10	7.4	187	5	39176	10	29176
11	7.9	200	1	39178	10	29178
12	8.7	220	1	39180	10	29180
14	10.2	260	1	39184		
17	11.0	280	1	39186		
19	11.6	295	1	39188		


### Inch Sizes

**Hex Tip Short**  
Tagged/Barcoded

SIZE	INCH	MM	QTY	PART#	QTY	PART#
.028	1.2	31	10	38200	50	28200
.035	1.2	31	10	38201	50	28201
.050	1.6	42	10	38202	50	28202
1/16	1.8	45	10	38203	50	28203
5/64	1.9	48	10	38204	50	28204
3/32	2.0	51	10	38205	50	28205
7/64	2.1	54	10	38206	50	28206
1/8	2.3	58	10	38207	50	28207
9/64	2.4	61	10	38208	50	28208
5/32	2.5	64	10	38209	50	28209
3/16	2.8	70	10	38210	50	28210
7/32	3.0	77	5	38211	25	28211
1/4	3.3	83	5	38212	25	28212
5/16	3.8	96	5	38213	25	28213
3/8	4.3	108	5	38214	25	28214
7/16	4.8	121	1	38215		
1/2	5.3	133	1	38216		
9/16	5.8	146	1	38217		
5/8	6.3	159	1	38218		
3/4	7.3	184	1	38219		

### Metric Sizes



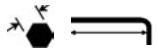
**Hex Tip Short**  
Tagged/Barcoded

SIZE	INCH	MM	QTY	PART#	QTY	PART#
.71	1.2	31	10	38247	50	28247
.89	1.2	31	10	38248	50	28248
1.27	1.6	42	10	38249	50	28249
1.5	1.7	44	10	38250	50	28250
2.0	1.9	48	10	38252	50	28252
2.5	2.1	54	10	38254	50	28254
3.0	2.4	61	10	38256	50	28256
3.5	2.6	65	1	38258	50	28258
4.0	2.7	68	10	38260	50	28260
4.5	2.9	73	1	38262	50	28262
5.0	3.1	78	5	38264	50	28264
5.5	3.3	83	1	38266	25	28266
6	3.5	88	5	38268	25	28268
7	3.7	93	1	38270	25	28270
8	3.9	98	5	38272	25	28272
9	4.0	102	1	38274	25	28274
10	4.3	109	5	38276	10	28276
11	4.5	115	1	38278	10	28278
12	4.8	122	1	38280	10	28280
14	5.4	136	1	38284		
17	6.1	156	1	38286		
19	6.9	175	1	38288		

# Hex Keys

## Balldriver® Singles with GoldGuard™ finish Long

### Inch Sizes

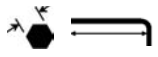


**Balldriver® Tip  
Long**  
Tagged/Barcoded

Bulk

SIZE	INCH	MM	QTY	PART#	QTY	PART#
.050	2.8	72	10	37902	50	27902
1/16	3.0	76	10	37903	50	27903
5/64	3.2	81	10	37904	50	27904
3/32	3.4	86	10	37905	50	27905
7/64	3.6	90	10	37906	50	27906
1/8	3.8	95	10	37907	50	27907
9/64	4.0	101	10	37908	50	27908
5/32	4.2	107	10	37909	50	27909
3/16	4.5	114	10	37910	50	27910
7/32	4.9	124	5	37911	25	27911
1/4	5.3	133	5	37912	25	27912
5/16	6.0	152	5	37913	25	27913
3/8	6.8	171	5	37914	25	27914
7/16	7.5	191	1	37915		
1/2	8.3	210	1	37916		
9/16	9.0	229	1	37917		
5/8	9.8	248	1	37918		
3/4	11.3	286	1	37919		

### Metric Sizes



**Balldriver® Tip  
Long**  
Tagged/Barcoded

Bulk

SIZE	INCH	MM	QTY	PART#	QTY	PART#
1.27	2.8	72	10	38049	50	28049
1.5	3.0	77	10	38050	50	28050
2.0	3.2	82	10	38052	50	28052
2.5	3.5	88	10	38054	50	28054
3.0	3.9	98	10	38056	50	28056
3.5	3.9	100	1	38058	50	28058
4.0	4.3	109	10	38060	50	28060
4.5	4.5	114	1	38062	50	28062
5.0	4.7	119	5	38064	50	28064
5.5	4.9	124	1	38066	25	28066
6	5.5	139	5	38068	25	28068
7	5.9	150	1	38070	25	28070
8	6.4	162	5	38072	25	28072
9	6.9	175	1	38074	25	28074
10	7.4	187	5	38076	10	28076
11	7.9	200	1	38078	10	28078
12	8.7	220	1	38080	10	28080
14	10.2	260	1	38084		
17	11.0	280	1	38086		
19	11.6	295	1	38088		

**Bondhex™ cases** provide a convenient means of keeping hex keys neat and organized. Sizes are printed on the case and allow identification at a glance.



Cases are color coded yellow for inch, red for metric, and green for Star tools. Case can be used in conjunction with the tool to increase torque.

### Inch Sizes

SIZE	QTY	PART#	DESC
.050 – 5/32	10	18032	Holds 8 Tools
.050 – 5/16	10	18036	Holds 12 Tools
.050 – 3/8	10	18037	Holds 13 Tools
1/16 – 1/4	10	18038	Holds 10 Tools
5/64 – 3/16	10	18045	Holds 7 Tools

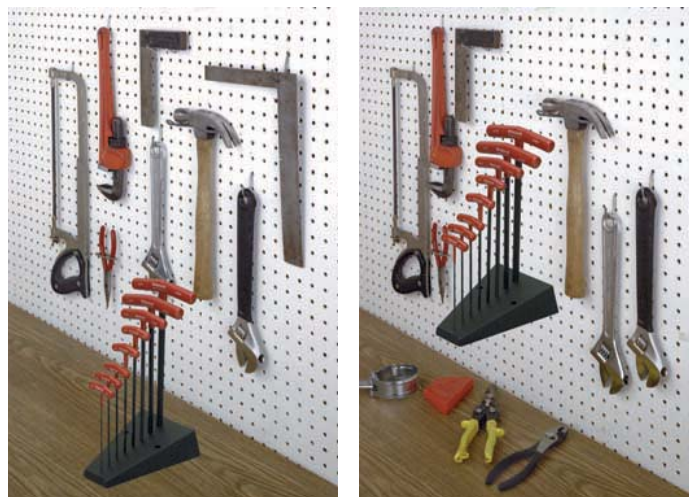
### Metric Sizes

SIZE	QTY	PART#	DESC
1.5 – 5mm	10	18046	Holds 6 Tools
1.5 – 10mm	10	18099	Holds 9 Tools

## T-Handle Stands



PART#	QTY	DESCRIPTION	LIST EA
17936	1	Inch Molded T-Handle Stand	\$3.35
17935	1	Metric Molded T-Handle Stand	3.35
17934	1	Star Molded T-Handle Stand	3.35





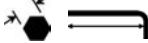
Set stand on bench or mount on wall.



# Hex Keys



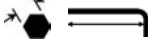
## Balldriver® & Hex Singles with ProGuard™ finish Packaged Quantities Long & Short

### Inch Sizes


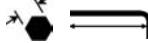
				<b>Balldriver® Tip Long</b>	<b>Hex Tip Long</b>
SIZE	INCH	MM	QTY	PART#	PART#
.028	2.6	66	10		12100
.035	2.7	68	10		12101
.050	2.8	72	10	10902	12102
1/16	3.0	76	10	10903	12103
5/64	3.2	81	10	10904	12104
3/32	3.4	86	10	10905	12105
7/64	3.6	90	10	10906	12106
1/8	3.8	95	10	10907	12107
9/64	4.0	101	10	10908	12108
5/32	4.2	107	10	10909	12109
3/16	4.5	114	10	10910	12110
7/32	4.9	124	5	10911	12111
1/4	5.3	133	5	10912	12112
5/16	6.0	152	5	10913	12113
3/8	6.8	171	5	10914	12114
7/16	7.5	191	1	10915	12115
1/2	8.3	210	1	10916	12116
9/16	9.0	229	1	10917	12117
5/8	9.8	248	1	10918	12118
3/4	11.3	287	1	10919	12119
7/8	12.8	325	1		12120
1	14.2	362	1		12121
1 1/4	17.1	435	1		12125
1 1/2	20.4	518	1		12129

### Metric Sizes


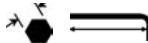
				<b>Balldriver® Tip Long</b>	<b>Hex Tip Long</b>
SIZE	INCH	MM	QTY	PART#	PART#
.71	2.6	66	10		12147
.89	2.7	68	10		12148
1.27	2.8	72	10	10949	12149
1.5	3.0	77	10	10950	12150
2.0	3.2	82	10	10952	12152
2.5	3.5	88	10	10954	12154
3.0	3.9	98	10	10956	12156
3.5	3.9	100	1	10958	12158
4.0	4.3	109	10	10960	12160
4.5	4.5	114	1	10962	12162
5.0	4.7	119	5	10964	12164
5.5	4.9	124	1	10966	12166
6	5.5	139	5	10968	12168
7	5.9	150	1	10970	12170
8	6.4	162	5	10972	12172
9	6.9	175	1	10974	12174
10	7.4	187	5	10976	12176
11	7.9	200	1	10978	12178
12	8.7	220	1	10980	12180
14	10.2	259	1	10984	12184
17	11.0	280	1	10986	12186
19	11.6	295	1	10988	12188
22	13.0	330	1		12191
24	14.5	370	1		12193
27	—	—	—		—
32	17.1	435	1		12196
36	20.5	520	1		12198

### Inch Sizes

				<b>Hex Tip Short</b>
SIZE	INCH	MM	QTY	PART#
.028	1.2	31	10	12200
.035	1.2	31	10	12201
.050	1.6	42	10	12202
1/16	1.8	45	10	12203
5/64	1.9	48	10	12204
3/32	2.0	51	10	12205
7/64	2.1	54	10	12206
1/8	2.3	58	10	12207
9/64	2.4	61	10	12208
5/32	2.5	64	10	12209
3/16	2.8	70	10	12210
7/32	3.0	77	5	12211
1/4	3.3	83	5	12212
5/16	3.8	96	5	12213
3/8	4.3	108	5	12214
7/16	4.8	121	1	12215
1/2	5.3	133	1	12216
9/16	5.8	146	1	12217
5/8	6.3	159	1	12218
3/4	7.3	184	1	12219
7/8	8.2	210	1	12220
1	9.2	235	1	12221
1 1/4	11.2	286	1	12225
1 1/2	13.2	336	1	12229
1 3/4	13.5	343	1	12231
2	15.3	387	1	12233

### Metric Sizes

				<b>Hex Tip Short</b>
SIZE	INCH	MM	QTY	PART#
.71	1.2	31	10	12247
.89	1.2	31	10	12248
1.27	1.6	42	10	12249
1.5	1.7	44	10	12250
2.0	1.9	49	10	12252
2.5	2.1	54	10	12254
3.0	2.4	61	10	12256
3.5	2.6	65	1	12258
4.0	2.7	68	10	12260
4.5	2.9	73	1	12262
5.0	3.1	78	5	12264
5.5	3.3	83	1	12266
6	3.5	88	5	12268
7	3.7	93	1	12270
8	3.9	98	5	12272
9	4.0	102	1	12274
10	4.3	109	5	12276
11	4.5	115	1	12278
12	4.8	122	1	12280
14	5.4	136	1	12284
17	6.1	156	1	12286
19	6.9	175	1	12288
22	7.7	195	1	12291
24	8.6	219	1	12293
27	9.6	244	1	12295
32	12.1	307	1	12296
36	13.6	346	1	12298



# Star Keys

## Star Key Sets with ProGuard™ finish



★	ProHold® Star Tip		BallStar™ Tip		Star Tip		Tamper-Resistant Tip			
	SIZE	PCS	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #		
	<b>Long Arm:</b>									
	T6 – T25	8			11331	LTX8S	31832	TLX8S	32432	TR-TL8S
	T9 – T40	8	71834	PHTX8	11332	LTX8	31834	TLX8	32434	TR-TL8
	T6 – T15	6			11346	LTX6				
	<b>Short Arm:</b>									
	T6 – T25	8					31732	TLXS8S		
	T9 – T40	8					31734	TLXS8		

## Star Key Singles

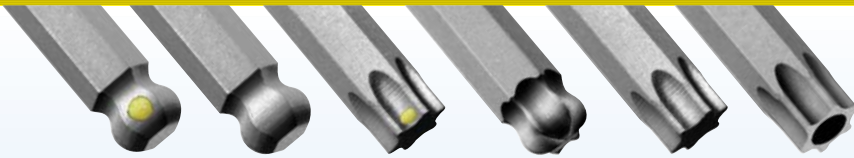
### Star Long

### Star Short

★	ProHold® Star Tip		BallStar™ Tip		Star Tip		Tamper-Resistant Tip		★	Star Tip Short						
	SIZE	INCH	MM	QTY	PART#	QTY	PART#	QTY		PART#	QTY	PART#				
	T5									T5	0.9	23	5	31705		
	T6	2.1	55		5	11706	5	31806	2	32406	T6	1.1	29	5	31706	
	T7	2.4	61		5	11707	5	31807	2	32407	T7	1.4	35	5	31707	
	T8	2.6	67		5	11708	5	31808	2	32408	T8	1.6	42	5	31708	
	T9	2.9	74	5	71809	5	11709	5	31809	2	32409	T9	1.9	48	5	31709
	T10	3.2	80	5	71810	5	11710	5	31810	2	32410	T10	2.2	55	5	31710
	T15	3.3	84	5	71815	5	11715	5	31815	2	32415	T15	2.3	59	5	31715
	T20	3.6	91	5	71820	5	11720	5	31820	2	32420	T20	2.6	66	5	31720
	T25	3.8	98	5	71825	5	11725	5	31825	2	32425	T25	2.8	72	5	31725
	T27	4.2	106	5	71827	5	11727	5	31827	2	32427	T27	3.2	81	5	31727
	T30	4.6	116	5	71830	5	11730	5	31830	2	32430	T30	3.6	90	5	31730
	T40	4.9	125	5	71840	5	11740	5	31840	2	32440	T40	3.9	99	5	31740
	T45	5.4	138	2	71845	1	11745	2	31845			T45	3.9	98	2	31745
	T50	6.2	156	2	71850	1	11750	2	31850			T50	3.8	97	2	31750
	T55	6.7	171	2	71855	1	11755	2	31855			T55	3.8	95	2	31755
	T60	7.2	182	2	71860			2	31860			T60	3.7	93	2	31760

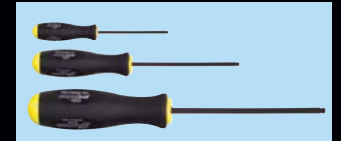
★	ProHold® Star Tip		BallStar™ Tip		Star Tip		Tamper-Resistant Tip		★	Star Tip Short				
	SIZE	INCH	MM	QTY	PART#	QTY	PART#	QTY		PART#	QTY	PART#		
	T5									T5	0.9	23	25	32705
	T6	2.1	55			25	32806	25	33406	T6	1.1	29	25	32706
	T7	2.4	61			25	32807	25	33407	T7	1.4	35	25	32707
	T8	2.6	67			25	32808	25	33408	T8	1.6	42	25	32708
	T9	2.9	74	25	72809	25	32809	25	33409	T9	1.9	48	25	32709
	T10	3.2	80	25	72810	25	32810	25	33410	T10	2.2	55	25	32710
	T15	3.3	84	25	72815	25	32815	25	33415	T15	2.3	59	25	32715
	T20	3.6	91	25	72820	25	32820	25	33420	T20	2.6	66	25	32720
	T25	3.8	98	25	72825	25	32825	25	33425	T25	2.8	72	25	32725
	T27	4.2	106	25	72827	25	32827	25	33427	T27	3.2	81	25	32727
	T30	4.6	116	25	72830	25	32830	25	33430	T30	3.6	90	25	32730
	T40	4.9	125	25	72840	25	32840	25	33440	T40	3.9	99	25	32740
	T45	5.4	138	10	72845	10	32845			T45	3.9	98	10	32745
	T50	6.2	156	10	72850	10	32850			T50	3.8	97	10	32750
	T55	6.7	171	10	72855	10	32855			T55	3.8	95	10	32755
	T60	7.2	182	10	72860	10	32860			T60	3.7	93	10	32760

# Screwdriver Tools



The ComfortGrip two component handle:

- A tough thermoplastic core for strength and resistance to splitting
- Molded-on rubber coating for superior grip
- Handle shape prevents rolling on surfaces angled up to 15°
- Available in very small sizes for delicate tasks (0.050", 1.27mm, T5)
- Much faster than ball end hex keys in assembly and frequent use applications



Bondhus handles are designed and sized to match the torque capacity of each blade tip.



Ergonomically designed handles deliver maximum torque with unrivaled comfort and grip



Slight texture of handles helps retain grip, even when hands are wet or oily

## Color Coded

- Inch
- Metric
- Star



High Torque Steel:

- Up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel.



Corrosion-resistant finish:

- Environmentally safe, provides better tool grip, resists solvents and is 5 times more corrosion resistant than competitor finishes.

# Screwdriver Sets

## Ball End Sets

### Inch Sizes

SIZE	PCS	ProHold® Tip ProGuard™ finish		Balldriver® Tip ProGuard™ finish		Balldriver® Tip GoldGuard™ finish		Balldriver® Tip BriteGuard™ finish	
		PART#	MODEL #	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #
.050 – 5/32	8	74632	PBSX8S	10632	BSX8S	38632	BSX8SG	16632	BSX8SB
.050 – 3/8	13	74637	PBSX13	10637	BSX13	38637	BSX13G	16637	BSX13B
5/64 – 3/16	7			10645	BSX7				
5/64 – 3/8	11			10737	BSX11L				
7/64 – 5/16	8			10633	BSX8				

### Metric Sizes

SIZE	PCS	ProHold® Tip ProGuard™ finish		Balldriver® Tip ProGuard™ finish		Balldriver® Tip GoldGuard™ finish		Balldriver® Tip BriteGuard™ finish	
		PART#	MODEL #	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #
1.27 – 5mm	7			10687	BSX7M				
1.5 – 5mm	6	74686	PBSX6M	10686	BSX6M	38686	BSX6MG	16686	BSX6MB
1.5 – 10mm	9	74699	PBSX9M	10699	BSX9M	38699	BSX9MG	16699	BSX9MB
2 – 10mm	8			10733	BSX8ML				

## Square Ball Set with ProGuard™ finish



SIZE	PCS	PART#	MODEL #
#0 – #3	4	11640	BRX4

## Star Sets with ProGuard™ finish

SIZE	PCS	ProHold® Tip		Ballstar™ Tip		Star Tip		Tamper-Resistant Tip	
		PART#	MODEL #	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #
T6 – T25	8					34532	TSX8S	33832	TR-SX8S
T6 – T15	6			13546	STX6				
T9 – T40	8	75534	PHTSX8	13532	STX8	34534	TSX8	33834	TR-SX8



# Screwdriver Singles

## ProHold® & Balldriver® Tip Singles

### Inch Sizes



SIZE	QTY	INCH	MM	ProHold® Tip ProGuard™ finish PART#	Balldriver® Tip ProGuard™ finish PART#	Balldriver® Tip BriteGuard™ finish PART#	Balldriver® Tip GoldGuard™ finish PART#
.050	2	2.4	60	74602	10602	16602	38602
1/16	2	2.5	64	74603	10603	16603	38603
5/64	2	2.6	67	74604	10604	16604	38604
3/32	2	2.8	71	74605	10605	16605	38605
7/64	2	2.9	74	74606	10606	16606	38606
1/8	2	3.1	80	74607	10607	16607	38607
9/64	2	3.3	83	74608	10608	16608	38608
5/32	2	3.6	91	74609	10609	16609	38609
3/16	2	3.7	94	74610	10610	16610	38610
7/32	2	4.2	107	74611	10611	16611	38611
1/4	2	5.0	126	74612	10612	16612	38612
5/16	2	5.6	142	74613	10613	16613	38613
3/8	2	6.5	164	74614	10614	16614	38614
7/16	1	7.6	194		10615	16615	38615
1/2	1	8.6	217		10616	16616	38616

### Metric Sizes



SIZE	QTY	INCH	MM	PART#	PART#	PART#	PART#
1.27	2	2.4	60	74649	10649	16649	38649
1.5	2	2.6	86	74650	10650	16650	38650
2.0	2	2.8	89	74652	10652	16652	38652
2.5	2	3.2	99	74654	10654	16654	38654
3.0	2	3.3	83	74656	10656	16656	38656
3.5	1	3.5	88		10658		
4.0	2	3.7	95	74660	10660	16660	38660
4.5	1	4.3	109		10662		
5.0	2	4.3	109	74664	10664	16664	38664
5.5	1	5.0	126		10666		
6	2	5.4	137	74668	10668	16668	38668
7	1	5.7	145		10670		
8	2	6.4	162	74672	10672	16672	38672
9	1	6.9	175		10674		
10	2	7.3	184	74676	10676	16676	38676

## Square Ball Screwdrivers



Square Ball ProGuard™ finish



SIZE	QTY	PART#	INCH	MM
#0	2	11600	3.5	90
#1	2	11601	3.8	95
#2	2	11602	4.0	102
#3	2	11603	4.0	102
#4	2	11604	4.5	115

## BallStar™ Tip Singles



BallStar™ Tip ProGuard™ finish



SIZE	QTY	INCH	MM	PART#
T6	2	2.6	62	12706
T7	2	2.6	62	12707
T8	2	2.6	62	12708
T9	2	2.6	62	12709
T10	2	2.8	69	12710
T15	2	2.9	73	12715
T20	2	3.2	81	12720
T25	2	3.4	87	12725
T27	2	3.8	97	12727
T30	2	4.2	106	12730
T40	2	4.6	117	12740
T45	1	5.2	132	12745
T50	1	6.0	153	12750
T55	1	6.8	172	12755

# Screwdriver Singles

## Balldriver® Tip Singles with ProGuard™ finish

### Inch Sizes

SIZE	Balldriver® Tip Long — 2 per pkg			Balldriver® Tip Extra Long — 1 per pkg			Balldriver® Tip Custom Length — 1 per pkg
	PART#	INCH	MM	PART#	INCH	MM	PART#
.050				3702	11.1	283	193102
1/16				3703	11.1	283	193103
5/64	10704	4.3	110	3704	11.0	279	193104
3/32	10705	4.8	122	3705	11.0	279	193105
7/64	10706	5.9	151	3706	10.6	269	193106
1/8	10707	6.4	164	3707	10.6	269	193107
9/64	10708	6.9	176	3708	10.5	267	193108
5/32	10709	7.4	189	3709	10.5	267	193109
3/16	10710	7.9	202	3710	10.3	260	193110
7/32	10711	8.4	214	3711	10.3	260	193111
1/4	10712	8.9	227	3712	10.3	260	193112
5/16	10713	9.5	241	3713	10.3	260	193113
3/8	10714	9.9	252	3714	10.3	260	193114
7/16				3715	10.5	267	193115
1/2				3716	10.5	267	193116

### Metric Sizes

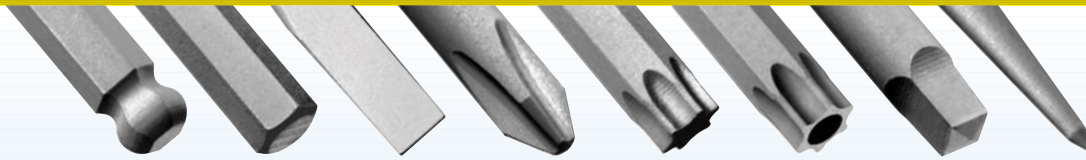
SIZE	PART#	INCH	MM	PART#	INCH	MM	PART#
1.5				3750	11.0	279	193150
2.0	10752	4.0	102	3752	11.0	279	193152
2.5	10754	4.8	122	3754	11.0	279	193154
3	10756	6.2	158	3756	10.6	270	193156
4	10760	7.0	179	3760	10.5	267	193160
5	10764	7.8	198	3764	10.3	260	193164
6	10768	8.6	218	3768	10.3	260	193168
8	10772	9.3	237	3772	10.3	260	193172
10	10776	10.2	259	3776	10.3	260	193176

## Star Tip Singles

SIZE	QTY	ProHold® Tip		PART#	PART#	Star Tip		PART#
		INCH	MM			INCH	MM	
T5								34505
T6	1	4.3	108		33806			34506
T7	1	4.5	114		33807			34507
T8	1	4.8	121		33808			34508
T9	1	4.9	124	75509	33809			34509
T10	1	5.0	128	75510	33810			34510
T15	1	5.1	131	75515	33815			34515
T20	1	5.4	138	75520	33820			34520
T25	1	5.7	144	75525	33825			34525
T27	1	5.8	147	75527	33827			34527
T30	1	6.0	153	75530	33830			34530
T40	1	6.3	159	75540	33840			34540
T45	1	6.5	166	75545				34545
T50	1	6.8	172	75550				34550
T55	1	7.0	178	75555				34555
T60	1	7.3	185	75560				34560



# Fold Up Tools



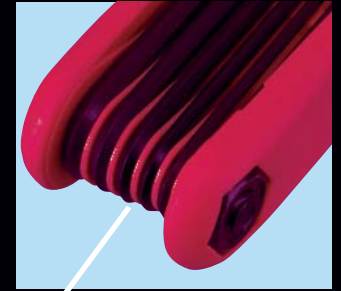
## GorillaGrip® Fold Ups



Handle is 40% stronger than steel handles

Comfortable to hold, and does not conduct heat or cold

Protected by 7 US and foreign patents



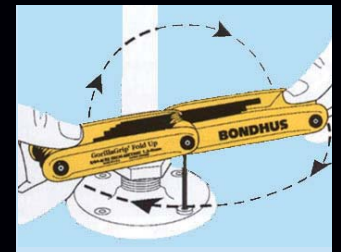
### Patented Flutes:

Flutes allow for easy selection of one tool at a time



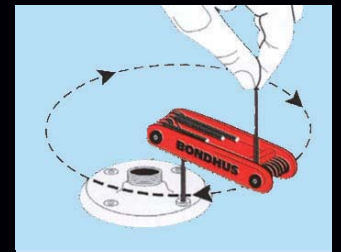
### Quick Blade Selection:

Blades are accessed from both the top and bottom, eliminating the constant 'unstacking' of blades



### Turn & Flip Feature:

Eliminates constant removal and repositioning in screw head when working against obstructions



### Speed Wrench Feature:

90° stop converts the tool into a non-stop, time saving, speed wrench

### Color Coded

- Inch
- Metric
- Inch & Metric
- Star
- Utility



High Torque Steel:

- Up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel.




Corrosion-resistant finish:

- Environmentally safe, provides better tool grip, resists solvents and is 5 times more corrosion resistant than competitor finishes.

# Fold Up Sets

## GorillaGrip® Fold Ups

Inch Sizes



		Balldriver® Tip		Hex Tip	
SIZE	PCS	PART#	MODEL#	PART#	MODEL#
.050 – 3/16	9			12591	HF9S
5/64 – 1/4	9			12589	HF9
3/16 – 3/8	5	12894	BF5	12585	HF5

Metric Sizes


SIZE	PCS	PART#	MODEL#	PART#	MODEL#
1.5 – 6mm	7			12592	HF7MS
2 – 8mm	7			12587	HF7M
3 – 10mm	6			12595	HF6M
5 – 10mm	5	12897	BF5M		

Inch/Metric Sizes

(5/64 – 5/32)	12			12550	HF12
(1.5 – 5mm)					

## Metal Fold Ups

Inch Sizes




		Hex Tip	
SIZE	PCS	PART#	MODEL#
.050 – 3/16	9	14591	MHF9S
5/64 – 1/4	9	14589	MHF9
3/16 – 3/8	5	14585	MHF5

Metric Sizes


SIZE	PCS	PART#	MODEL#
1.5 – 6mm	7	14592	MHF7MS
2 – 8mm	7	14587	MHF7M
3 – 10mm	6	14595	MHF6M

## GorillaGrip® Fold Ups



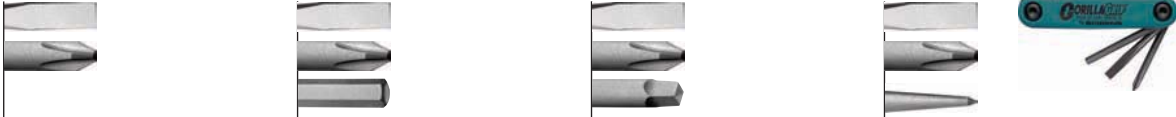
		Star Tip		Tamper-Resistant Tip	
SIZE	PCS	PART#	MODEL#	PART#	MODEL#
T6 – T25	8	12632	TF8S		
T7 – T25	7			12636	TR-TF7S
T9 – T40	8	12634	TF8	12638	TR-TF8

## Metal Fold Ups



		Star Tip	
SIZE	PCS	PART#	MODEL#
T6 – T25	8	14532	MTF8S
T9 – T40	8	14534	MTF8

## GorillaGrip® Utility Fold Ups



SIZE	PCS	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #	PART#	MODEL #	A
(#1, #2 Ph)	5									
(1/8, 3/16, 1/4 Slotted)		12547	FU5							
(#1 Ph)										
(3/16 Slotted)	5			12540	HFU5					
(4, 5, 6mm Hex)										
(#1, #2 Ph)										
(3/16 Slotted)	5					12543	RFU5			
(#1, #2 Square)										
(#1, #2 Ph) (Awl)										
(1/8, 3/16 Slotted)	5							12545	AFU5	

## GorillaGrip® Multipacks

TIP	INCH SIZE	METRIC SIZE	STAR SIZE	PCS	PART#	MODEL #
 Hex	5/64 – 1/4	2 – 8mm		16	12522	HF16
 Hex & Star	5/64 – 1/4	2 – 8mm	T9 – T40	24	12533	HF24
 Hex & Star		2 – 8mm	T9 – T40	15	12544	HF15



# Ball End Bits and Blades

## Ball End Bits & Blades with ProGuard™ finish

### Insert Bit Sets

1" / 25mm Balldriver® Insert Bits are designed for power tools having 1/4" retaining ring or magnetic hex adapters. They are ideal when assembly time is critical.



#### Inch Sizes



Balldriver® Tip

SIZE	PCS	PART#	MODEL#
5/64 – 1/2	12	11036	BIX12

#### Metric Sizes

SIZE	PCS	PART#	MODEL#
2 – 12mm	9	11099	BIX9M

### Power Bit Sets

3" / 76mm Balldriver® Power Bits are designed for power tools with 1/4" ball detent hex adapters. Saves time and increases productivity.



#### Inch Sizes



Balldriver® Tip

SIZE	PCS	PART#	MODEL#
5/64 – 1/2	12	10836	BHX12

#### Metric Sizes

SIZE	PCS	PART#	MODEL#
2 – 12mm	9	10899	BHX9M

## Balldriver® Insert Bit Singles

#### Inch Sizes



SIZE	QTY	PART#	INCH	MM
5/64	10	11004	1.0	25
3/32	10	11005	1.0	25
7/64	10	11006	1.0	25
1/8	10	11007	1.0	25
9/64	10	11008	1.0	25
5/32	10	11009	1.0	25
3/16	10	11010	1.0	25
7/32	10	11011	1.0	25
1/4	10	11012	1.0	25
5/16	1	11013	1.5	38
3/8	1	11014	1.5	38
1/2	1	11016	1.5	38

#### Metric Sizes

SIZE	QTY	PART#	INCH	MM
2	10	11052	1.0	25
2.5	10	11054	1.0	25
3	10	11056	1.0	25
4	10	11060	1.0	25
5	10	11064	1.0	25
6	10	11068	1.0	25
8	1	11072	1.5	38
10	1	11076	1.5	38
12	1	11080	1.5	38

## Balldriver® Power Bit Singles

#### Inch Sizes



SIZE	QTY	PART#	INCH	MM
5/64	10	10804	3.0	76
3/32	10	10805	3.0	76
7/64	10	10806	3.0	76
1/8	10	10807	3.0	76
9/64	10	10808	3.0	76
5/32	10	10809	3.0	76
3/16	10	10810	3.0	76
7/32	10	10811	3.0	76
1/4	10	10812	3.0	76
5/16	1	10813	3.0	76
3/8	1	10814	3.0	76
1/2	1	10816	3.0	76

#### Metric Sizes

SIZE	QTY	PART#	INCH	MM
2	10	10852	3.0	76
2.5	10	10854	3.0	76
3	10	10856	3.0	76
4	10	10860	3.0	76
5	10	10864	3.0	76
6	10	10868	3.0	76
8	1	10872	3.0	76
10	1	10876	3.0	76
12	1	10880	3.0	76



# Ball End Blades

## Balldriver® Blade Singles with ProGuard™ finish

Ideal for use in socket wrenches, power tools or with a Hexender or added reach.

Quantity 1 per package.

### Inch Sizes

SIZE	Standard Length			Long Length			Extra Long Length		
	PART#	INCH	MM	PART#	INCH	MM	PART#	INCH	MM
.050	0102	3.4	86				3602	12.0	305
1/16	0103	3.5	91				3603	12.0	305
5/64	0104	3.6	93	0404	5.3	135	3604	12.0	305
3/32	0105	3.8	96	0405	5.8	147	3605	12.0	305
7/64	0106	4.3	109	0406	7.3	186	3606	12.0	305
1/8	0107	4.5	115	0407	7.8	199	3607	12.0	305
9/64	0108	4.8	121	0408	8.4	214	3608	12.0	305
5/32	0109	5.1	129	0409	8.9	227	3609	12.0	305
3/16	0110	5.5	139	0410	9.7	246	3610	12.0	305
7/32	0111	5.9	151	0411	10.2	259	3611	12.0	305
1/4	0112	6.7	170	0412	10.7	272	3612	12.0	305
5/16	0113	7.3	186	0413	11.3	286	3613	12.0	305
3/8	0114	8.2	208	0414	11.7	297	3614	12.0	305
7/16	0115	9.1	232				3615	12.0	305
1/2	0116	10.1	255				3616	12.0	305
9/16	0117	10.9	277						
5/8	0118	11.8	299						
3/4	0119	13.5	344						

### Metric Sizes

SIZE	PART#	INCH	MM	PART#	INCH	MM	PART#	INCH	MM
1.5	0150	3.6	91				3650	12.0	305
2.0	0152	3.8	98	0452	5.0	128	3652	12.0	305
2.5	0154	4.2	107	0454	5.8	148	3654	12.0	305
3.0	0156	4.6	118	0456	7.6	193	3656	12.0	305
3.5	0158	4.8	123						
4.0	0160	5.2	133	0460	8.5	217	3660	12.0	305
4.5	0162	5.5	140						
5.0	0164	5.8	148	0464	9.6	243	3664	12.0	305
5.5	0166	6.1	155						
6	0168	6.7	170	0468	10.4	263	3668	12.0	305
7	0170	7.3	184						
8	0172	7.8	199	0472	11.1	281	3672	12.0	305
9	0174	8.4	214						
10	0176	9.0	229	0476	11.9	303	3676	12.0	305
11	0178	9.6	245						
12	0180	10.5	267						
14	0184	12.5	318						
17	0186	13.6	346						
19	0188	14.5	368						

## Hextender

Quantity 1 per package.

### Inch Sizes

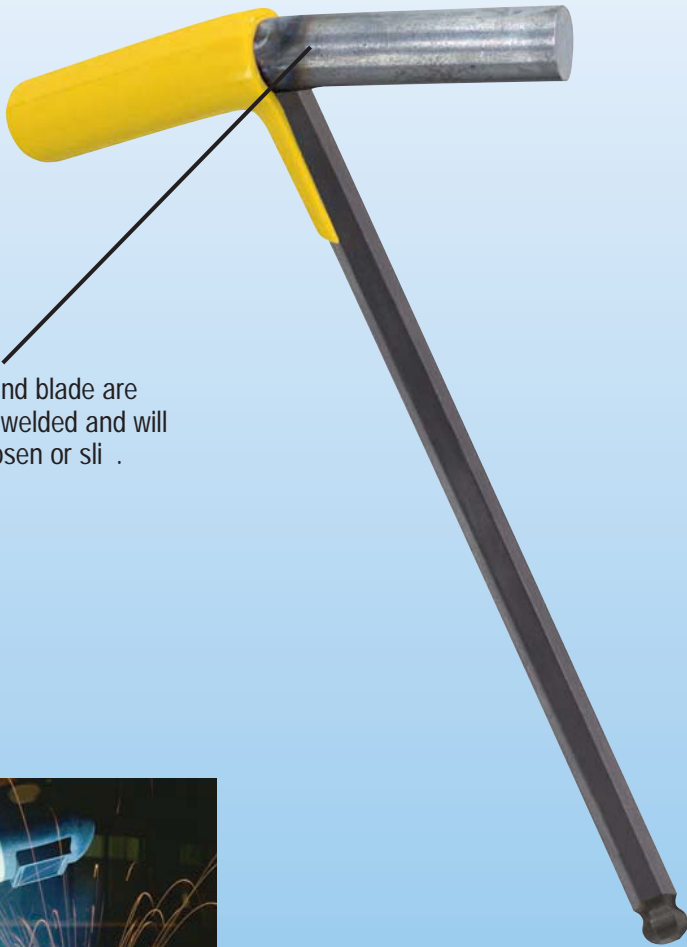
SIZE	INCH	MM	IA	PART#
.050	.5	13	0.25	22302
1/16	.5	13	0.25	22303
5/64	.5	13	0.25	22304
3/32	.5	13	0.25	22305
7/64	.5	13	0.25	22306
1/8	.5	13	0.31	22307
9/64	.5	13	0.31	22308
5/32	.75	19	0.37	22309
3/16	.75	19	0.37	22310
7/32	.75	19	0.50	22311
1/4	.75	19	0.50	22312
5/16	1.0	25	0.75	22313
3/8	1.0	25	0.75	22314

### Metric Sizes

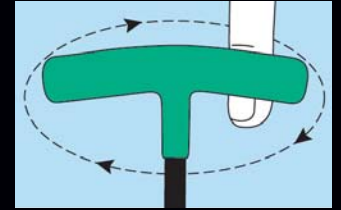
SIZE	INCH	MM	IA	PART#
1.5	.5	13	0.25	22350
2.0	.5	13	0.25	22352
2.5	.5	13	0.25	22354
3	.5	13	0.31	22356
4	.75	19	0.37	22360
5	.75	19	0.37	22364
6	.75	19	0.50	22368
8	1.0	25	0.75	22372
10	1.0	25	0.75	22376



# T-Handle Tools



Handle and blade are secure welded and will never loosen or slip.

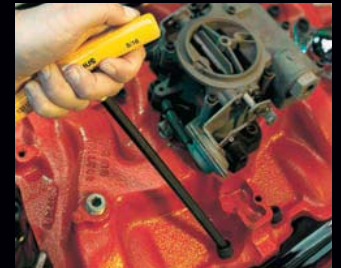


Head handle generates a wheel effect for superior insertion or removal of screws.

Handle is shaped for comfort and control and is ergonomically superior to older straight handles.

Available in 6, 9 and graduated blade lengths.

Cushioned heel reduces fatigue.



Handle sizes are engineered to match blade torque capabilities.

The 5/32, 3/16, 1/4 and 5mm blades in ball end sizes have smaller handles for easier use.



The 3/32, 7/64, 1/8, 9/64 and 2, 2.5 and 3mm blades are always straight he is so there is no breakage. A T Handle could easily be used and break smaller size ball ends.

## Color Coded

- Inch
- Metric
- SAE



Up to 20% stronger with more torque and twice the wear resistance of standard grades of steel.






Environmentally safe, provides better grip, resists solvents and is 5 times more corrosion resistant than chrome finishes.

# T-Handle Sets




## Hex, Ball End & Star Sets with ProGuard™ finish



### Inch Sizes


					 ProHold® Tip			 Balldriver® Tip			 Hex Tip		
SIZE	PCS	LEN	TH	/STAN	PART#	M	EL#	PART#	M	EL#	PART#	M	EL#
3/32	1/4	8	radua ed								13332	HT	80
		8	6 inch								15232	HT	80 6
		8	9 inch								15332	HT	80 9
3/32	3/8	10	radua ed	✓				13190	BT	10/S	13390	HT	10/S
		10						13138	BT	10	13338	HT	10
		10	6 inch	✓							15290	HT	10/S 6
		10									15238	HT	10 6
		10	9 inch	✓							15390	HT	10/S 9
5/32	3/8	6	radua ed		75146	PBT	60	13146	BT	60			

### Metric Sizes


					 ProHold® Tip			 Balldriver® Tip			 Hex Tip		
SIZE	PCS	LEN	TH	/STAN	PART#	M	EL#	PART#	M	EL#	PART#	M	EL#
2	6mm	6	radua ed								13348	HT	60M
		6	6 inch								15248	HT	60M 6
		6	9 inch								15348	HT	60M 9
2	10mm	8	radua ed	✓				13189	BT	80M/S	13389	HT	80M/S
		8						13187	BT	80M	13387	HT	80M
		8	6 inch	✓							15289	HT	80M/S 6
		8									15287	HT	80M 6
		8	9 inch	✓							15389	HT	80M/S 9
4	10mm	5	radua ed		75148	PBT	50M	13148	BT	50M	15387	HT	80M 9

The 3/32 7/64 1/8 and 9/64 inch blades and the 2.5 and 3mm blades are straight blades or re-en breakage. This and

### Star Sets with Stand



					 ProHold® Tip		
SIZE	PCS	LEN	TH	/STAN	PART#	M	EL#
T9	T40	8	radua ed	✓	74034	PHTTH	8

					 Star Tip		
SIZE	PCS	LEN	TH	/STAN	PART#	M	EL#
T9	T40	8	radua ed	✓	33034	TTH	8

Bondhus also has long T handles available. Please call or write and availability.

### Star Singles — Graduated Lengths

				 ProHold® Tip		 Star Tip	
SIZE	QTY	INCH	MM	PART#	PART#		
T9	2	6.1	155	74009	33009		
T10	2	6.4	161	74010	33010		
T15	2	6.6	168	74015	33015		
T20	2	6.9	174	74020	33020		
T25	2	7.1	180	74025	33025		
T27	2	7.4	187	74027	33027		
T30	2	7.6	193	74030	33030		
T40	2	7.9	199	74040	33040		
T45	2	8.1	206	74045	33045		
T50	2	8.4	213	74050	33050		
T55	2	8.6	218	74055	33055		



# T-Handle Singles

## T-Handle Singles with ProGuard™ finish



### Inch Sizes

Inch Sizes		Graduated Length ProHold® Tip			Graduated Length Balldriver® Tip			Graduated Length Hex Tip		
SIZE	QTY	PART#	INCH	MM	PART#	INCH	MM	PART#	INCH	MM
3/32	2				13205	6.1	154	13305	4.2	105
7/64	2				13206	6.8	173	13306	4.4	112
1/8	2				13207	7.6	192	13307	4.6	118
9/64	2				13208	8.3	211	13308	4.9	124
5/32	2	75109	9.1	231	13109	9.1	231	13309	5.2	132
3/16	2	75110	9.8	250	13110	9.8	250	13310	5.6	141
7/32	2	75111	10.3	262	13111	10.3	262	13311	6.1	154
1/4	2	75112	10.8	275	13112	10.8	275	13312	6.5	165
5/16	2	75113	11.4	289	13113	11.4	289	13313	7.4	189
3/8	2	75114	11.8	300	13114	11.8	300	13314	8.3	211

### Metric Sizes

SIZE	QTY	PART#	INCH	MM	PART#	INCH	MM	PART#	INCH	MM
2.0	2				13252	5.9	150	13352	4.0	100
2.5	2				13254	6.8	172	13354	4.3	110
3	2				13256	7.7	196	13356	4.7	120
4	2	75160	8.7	220	13160	8.7	220	13360	5.3	136
5	2	75164	9.7	246	13164	9.7	246	13364	5.9	150
6	2	75168	10.5	266	13168	10.5	266	13368	6.8	173
8	2	75172	11.2	285	13172	11.2	285	13372	7.9	202
10	2	75176	12.1	307	13176	12.1	307	13376	9.1	232

The 3/32 7/64 1/8 and 9/64 inch blades and the 2.5 and 3mm blades are standard blades on re-n breakage.

### Inch Sizes

Inch Sizes		6" – Hex Tip			9" – Hex Tip		
SIZE	QTY	PART#	INCH	MM	PART#	INCH	MM
3/32	2	15205	6.0	152	15305	9.0	229
7/64	2	15206	6.0	152	15306	9.0	229
1/8	2	15207	6.0	152	15307	9.0	229
9/64	2	15208	6.0	152	15308	9.0	229
5/32	2	15209	6.0	152	15309	9.0	229
3/16	2	15210	6.0	152	15310	9.0	229
7/32	2	15211	6.0	152	15311	9.0	229
1/4	2	15212	6.0	152	15312	9.0	229
5/16	2	15213	6.0	152	15313	9.0	229
3/8	2	15214	6.0	152	15314	9.0	229
1/2	1	15216	6.0	152	15316	9.0	229

### Metric Sizes

SIZE	QTY	PART#	INCH	MM	PART#	INCH	MM
2.0	2	15252	6.0	152	15352	9.0	229
2.5	2	15254	6.0	152	15354	9.0	229
3	2	15256	6.0	152	15356	9.0	229
4	2	15260	6.0	152	15360	9.0	229
5	2	15264	6.0	152	15364	9.0	229
6	2	15268	6.0	152	15368	9.0	229
8	2	15272	6.0	152	15372	9.0	229
10	2	15276	6.0	152	15376	9.0	229

### T-Handle Stands



#### Molded T-handle Stands

PART#	QTY	DESCRIPTION
17936	1	Inch S and
17935	1	Metric S and
17934	1	S or S and

Bondhus also has loop T handles available. Please call or write and a availability.

# Part Number Index

0102	41	3652	41	10707	37	10958	32	12107	32	12220	32
0103	41	3654	41	10708	37	10960	32	12108	32	12221	32
0104	41	3656	41	10709	37	10962	32	12109	32	12225	32
0105	41	3660	41	10710	37	10964	32	12110	32	12229	32
0106	41	3664	41	10711	37	10966	32	12111	32	12231	32
0107	41	3668	41	10712	37	10968	32	12112	32	12232	25
0108	41	3672	41	10713	37	10970	32	12113	32	12233	32
0109	41	3676	41	10714	37	10972	32	12114	32	12236	25
0110	41	3702	37	10733	21 35	10974	32	12115	32	12237	25
0111	41	3703	37	10737	21 35	10976	32	12116	32	12238	25
0112	41	3704	37	10752	37	10978	32	12117	32	12245	25
0113	41	3705	37	10754	37	10980	32	12118	32	12246	25
0114	41	3706	37	10756	37	10984	32	12119	32	12247	32
0115	41	3707	37	10760	37	10986	32	12120	32	12248	32
0116	41	3708	37	10764	37	10988	32	12121	32	12249	32
0117	41	3709	37	10768	37	10989	19	12125	32	12250	32
0118	41	3710	37	10772	37	10992	19 25	12129	32	12252	32
0119	41	3711	37	10776	37	10995	19 25	12132	25	12254	32
0150	41	3712	37	10804	40	10999	19 25	12136	25	12256	32
0152	41	3713	37	10805	40	11004	40	12137	25	12258	32
0154	41	3714	37	10806	40	11005	40	12138	25	12260	32
0156	41	3715	37	10807	40	11006	40	12145	25	12262	32
0158	41	3716	37	10808	40	11007	40	12146	25	12264	32
0160	41	3750	37	10809	40	11008	40	12147	32	12266	32
0162	41	3752	37	10810	40	11009	40	12148	32	12268	32
0164	41	3754	37	10811	40	11010	40	12149	32	12270	32
0166	41	3756	37	10812	40	11011	40	12150	32	12272	32
0168	41	3760	37	10813	40	11012	40	12152	32	12274	32
0170	41	3764	37	10814	40	11013	40	12154	32	12276	32
0172	41	3768	37	10816	40	11014	40	12156	32	12278	32
0174	41	3772	37	10836	21 40	11016	40	12158	32	12280	32
0176	41	3776	37	10852	40	11036	21 40	12160	32	12284	32
0178	41	10602	36	10854	40	11052	40	12162	32	12286	32
0180	41	10603	36	10856	40	11054	40	12164	32	12288	32
0184	41	10604	36	10860	40	11056	40	12166	32	12291	32
0186	41	10605	36	10864	40	11060	40	12168	32	12292	25
0188	41	10606	36	10868	40	11064	40	12170	32	12293	32
0404	41	10607	36	10872	40	11068	40	12172	32	12295	32
0405	41	10608	36	10876	40	11072	40	12174	32	12296	32
0406	41	10609	36	10880	40	11076	40	12176	32	12298	32
0407	41	10610	36	10899	21 40	11080	40	12178	32	12299	25
0408	41	10611	36	10902	32	11099	21 40	12180	32	12522	39
0409	41	10612	36	10903	32	11331	15 21 33	12184	32	12533	39
0410	41	10613	36	10904	32	11332	15 21 33	12186	32	12540	39
0411	41	10614	36	10905	32	11346	15 21 33	12188	32	12543	39
0412	41	10615	36	10906	32	11600	36	12191	32	12544	39
0413	41	10616	36	10907	32	11601	36	12192	25	12545	39
0414	41	10632	21 35	10908	32	11602	36	12193	32	12547	39
0452	41	10633	21 35	10909	32	11603	36	12195	25	12550	39
0454	41	10637	21 35	10910	32	11604	36	12196	32	12585	39
0456	41	10645	21 35	10911	32	11640	35	12198	32	12587	39
0460	41	10649	36	10912	32	11706	17 33	12199	25	12589	39
0464	41	10650	36	10913	32	11707	17 33	12200	32	12591	39
0468	41	10652	36	10914	32	11708	17 33	12201	32	12592	39
0472	41	10654	36	10915	32	11709	17 33	12202	32	12595	39
0476	41	10656	36	10916	32	11710	17 33	12203	32	12632	15 39
3602	41	10658	36	10917	32	11715	17 33	12204	32	12634	15 39
3603	41	10660	36	10918	32	11720	17 33	12205	32	12636	15 39
3604	41	10662	36	10919	32	11725	17 33	12206	32	12638	15 39
3605	41	10664	36	10932	19 25	11727	17 33	12207	32	12706	17 36
3606	41	10666	36	10933	19	11730	17 33	12208	32	12707	17 36
3607	41	10668	36	10935	19	11740	17 33	12209	32	12708	17 36
3608	41	10670	36	10936	19 25	11745	17 33	12210	32	12709	17 36
3609	41	10672	36	10937	19 25	11750	17 33	12211	32	12710	17 36
3610	41	10674	36	10938	19 25	11755	17 33	12212	32	12715	17 36
3611	41	10676	36	10945	19 25	12100	32	12213	32	12720	17 36
3612	41	10686	21 35	10946	19 25	12101	32	12214	32	12725	17 36
3613	41	10687	21 35	10949	32	12102	32	12215	32	12727	17 36
3614	41	10699	21 35	10950	32	12103	32	12216	32	12730	17 36
3615	41	10704	37	10952	32	12104	32	12217	32	12740	17 36
3616	41	10705	37	10954	32	12105	32	12218	32	12745	17 36
3650	41	10706	37	10956	32	12106	32	12219	32	12750	17 36

12755	17 36	13338	43	13919	26	15348	43	15856	27	16118	28
12894	21 39	13348	43	13947	26	15352	44	15858	27	16119	28
12897	21 39	13352	44	13948	26	15354	44	15860	27	16136	25
12902	26	13354	44	13949	26	15356	44	15862	27	16137	25
12903	26	13356	44	13950	26	15360	44	15864	27	16138	25
12904	26	13360	44	13952	26	15364	44	15866	27	16200	29
12905	26	13364	44	13954	26	15368	44	15868	27	16201	29
12906	26	13368	44	13956	26	15372	44	15870	27	16202	29
12907	26	13372	44	13958	26	15376	44	15872	27	16203	29
12908	26	13376	44	13960	26	15387	43	15874	27	16204	29
12909	26	13387	43	13962	26	15389	43	15876	27	16205	29
12910	26	13389	43	13964	26	15390	43	15878	27	16206	29
12911	26	13390	43	13966	26	15702	26	15880	27	16207	29
12912	26	13532	15 21 35	13968	26	15703	26	15884	27	16208	29
12913	26	13546	15 21 35	13970	26	15704	26	15886	27	16209	29
12914	26	13800	27	13972	26	15705	26	15888	27	16210	29
12915	26	13801	27	13974	26	15706	26	15900	26	16211	29
12916	26	13802	27	13976	26	15707	26	15901	26	16212	29
12917	26	13803	27	13978	26	15708	26	15902	26	16213	29
12918	26	13804	27	13980	26	15709	26	15903	26	16214	29
12919	26	13805	27	13984	26	15710	26	15904	26	16215	29
12949	26	13806	27	13986	26	15711	26	15905	26	16216	29
12950	26	13807	27	13988	26	15712	26	15906	26	16217	29
12952	26	13808	27	14126	20	15713	26	15907	26	16218	29
12954	26	13809	27	14128	20	15714	26	15908	26	16219	29
12956	26	13810	27	14130	20	15715	26	15909	26	16236	25
12958	26	13811	27	14132	20	15716	26	15910	26	16237	25
12960	26	13812	27	14138	20	15717	26	15911	26	16238	25
12962	26	13813	27	14187	20	15718	26	15912	26	16246	25
12964	26	13814	27	14189	20	15719	26	15913	26	16247	29
12966	26	13815	27	14532	39	15749	26	15914	26	16248	29
12968	26	13816	27	14534	39	15750	26	15915	26	16249	29
12970	26	13817	27	14585	39	15752	26	15916	26	16250	29
12972	26	13818	27	14587	39	15754	26	15917	26	16252	29
12974	26	13819	27	14589	39	15756	26	15918	26	16254	29
12976	26	13847	27	14591	39	15758	26	15919	26	16256	29
12978	26	13848	27	14592	39	15760	26	15947	26	16258	29
12980	26	13849	27	14595	39	15762	26	15948	26	16260	29
12984	26	13850	27	15205	44	15764	26	15949	26	16262	29
12986	26	13852	27	15206	44	15766	26	15950	26	16264	29
12988	26	13854	27	15207	44	15768	26	15952	26	16266	29
13109	44	13856	27	15208	44	15770	26	15954	26	16268	29
13110	44	13858	27	15209	44	15772	26	15956	26	16270	29
13111	44	13860	27	15210	44	15774	26	15958	26	16272	29
13112	44	13862	27	15211	44	15776	26	15960	26	16274	29
13113	44	13864	27	15212	44	15778	26	15962	26	16276	29
13114	44	13866	27	15213	44	15780	26	15964	26	16278	29
13138	21 43	13868	27	15214	44	15784	26	15966	26	16280	29
13146	21 43	13870	27	15216	44	15786	26	15968	26	16284	29
13148	21 43	13872	27	15232	43	15788	26	15970	26	16286	29
13160	44	13874	27	15238	43	15800	27	15972	26	16288	29
13164	44	13876	27	15248	43	15801	27	15974	26	16292	25
13168	44	13878	27	15252	44	15802	27	15976	26	16299	25
13172	44	13880	27	15254	44	15803	27	15978	26	16502	23 27
13176	44	13884	27	15256	44	15804	27	15980	26	16503	23 27
13187	21 43	13886	27	15260	44	15805	27	15984	26	16504	23 27
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32705 33	34407 16	38076 31	38288 30	72830 33	75704 26
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32707 33	34409 16	38080 31	38299 25	72845 33	75706 26
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32710 33	34420 16	38088 31	38604 36	72860 33	75709 26
32715 33	34445 16	38092 19 25	38605 36	74009 16	75710 26
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32815 33	34545 17 37	38112 30	38650 36	74605 36	75902 26
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# Torque & Interchangeability

Hex Size Inch	Torque Capacity**				Screw Interchangeability				
	Bondhus Straight Hex		Bondhus Balldriver® Tip						
	in-lb	Nm	in-lb	Nm					
.050	7.9	0.892	3	0.339	0	1 2	1 2	3 4	
1/16	15.9	1.796	7	0.0791	1	3 4	3 4	5 6	
5/64	34	3.842	13	1.469	2 3	5 6	5 6	8	
3/32	51	5.763	24	2.712	4 5	8	8	10	
7/64	84	9.492	39	4.407	6	10			
1/8	129	14.57	57	6.441			10	1/4	1/4
9/64	185	20.90	86	9.718	8	1/4			
5/32	265	29.94	127	14.35	10	5/16	1/4	5/16	5/16
3/16	431	48.7	189	21.35	1/4	3/8	5/16	3/8	3/8
7/32	673	76.04	318	35.93		7/16	3/8	7/16	
1/4	950	107.3	482	54.44	5/16	1/2		1/2	1/2
5/16	2022	228.4	888	100.3	3/8	5/8	1/2	5/8	5/8
3/8	3005	339.5	14.88	168.1	7/16 1/2		5/8	3/4	3/4
7/16	4047	457.3	1661	187.7	9/16	3/4			
1/2	6033	681.7	2451	277.0	5/8			7/8	1
9/16	8605	972.2	3459	390.8				1 1/8	
5/8	11819	1335.4	4711	532.3	3/4			1 1/4 1 3/8	1 1/4
3/4	20424	2307.6	8052	909.8	7/8 1			1 1/2	
Hex Size Metric	in-lb	Nm	in-lb	Nm					
1.27	7.9	.892	3	3.39	1.4			2.5	
1.5	13.1	1.480	5	.565	1.6 2			3	
2	33	3.729	13	1.469	2.5	3	3	4	
2.5	63	7.119	33	3.729	13	1.469	2.5	5	
3	106	11.97	52	5.876	4	5	5	6	5
3.5	143	16.13	70	7.910					
4	264	29.83	131	14.8	5	6	6	8	6
4.5	305	34.50	147	16.6					
5	483	54.57	247	27.91	6	8	8	10	8
5.5	559	63.24	270	30.5					
6	855	96.61	396	44.74	8	10	10	12	10
7	1090.8	123.2	549	62.1					
8	1861	210.2	989	111.7	10	12	12	14 16	12
9	2326	262.8	1132	128.0					
10	3563	402.6	1591	179.7	12	14 16	14 16	18 20	16
12	5103	576.6	2022	228.5	14	18 20	18 20	22 24	20
14	8081	913.0	3215	363.5	16 18	22 24	22 24		
17	14507	1639.1	5694	643.3	20 22				
19	20285	2291.9	8052	909.8	24 27				
Star Size	Bondhus Straight Star								
	in-lb	Nm	in-lb	Nm					
T5	3.8	0.4						3	
T6	6.6	0.7	4	0.45		2		4	
T7	12	1.4	9	1.0		3	2	5 6	
T8	20	2.3	16	1.8		4	3	8	
T9	25	2.8	19	2.1		5	4		
T10	33	307	25	2.8	4 5	6	5	10 12	
T15	57	6.4	41	4.6	6	8	6		
T20	93	10.5	61	6.9		10	8	1/4	
T25	140	15.8	85	9.6	8	12	10		
T27	199	22.5	96	10.8	10 12	1/4	12	5/16	
T30	276	31.2	110	12.4	1/4		1/4	3/8	
T40	480	54.2	363	41.0		5/16 3/8		7/16	
T45	763	86.2	409	46.2	5/16		3/8	1/2	
T50	1171	132.3	440	49.7	3/8	7/16	7/16		
T55	1931	218.2	799	90.3	7/16 1/2	1/2	1/2		

Minimum torque values are based on Bondhus tools and are not to be exceeded. Always use proper technique to avoid tool breakage.





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