

Color Coded:

Inch
Metric
Star

Part No.	Model	End Type	Finish	Length	Included Sizes	Pcs
10999	BLX9M	Ball End	ProGuard™	L	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	9
10937	BLX13				.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"	13
16099	BLX9MXL			XL	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	9
10995	BLX15M			L	1.27, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm	15
74999	PBLX9M	ProHold® Ball End	ProGuard™	L	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	9
12299	HLX9MS	Hex End			S	
11332	LTX8	BallStar™ Tip	ProGuard™	L	T9, T10, T15, T20, T25, T27, T30, T40	8
31834	TLX8	Star Tip				
17099	BLX9MB	Ball End	BriteGuard™	XL	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	9



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Utility

Part No.	Model	End Type	Finish	Length	Included Sizes	Pcs
12592	HF7MS	Hex End	ProGuard™	L	1.5, 2, 2.5, 3, 4, 5, 6mm	7
12595	HF6M				3, 4, 5, 6, 8, 10mm	6
12591	HF9S				.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"	9
12585	HF5				3/16, 7/32, 1/4, 5/16, 3/8"	5
12587	HF7M			2, 2.5, 3, 4, 5, 6, 8mm	7	
12589	HF9			5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	9	
12632	TF8S	Star Tip	ProGuard™	L	T6, T7, T8, T9, T10, T15, T20, T25	8
12634	TF8				T9, T10, T15, T20, T25, T27, T30, T40	
12638	TR-TF8	Tamper Resistant Star Tip			TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	
12540	HFU5	Utility			PH #1; Slotted 3/16"; Hex 4, 5, 6mm	5



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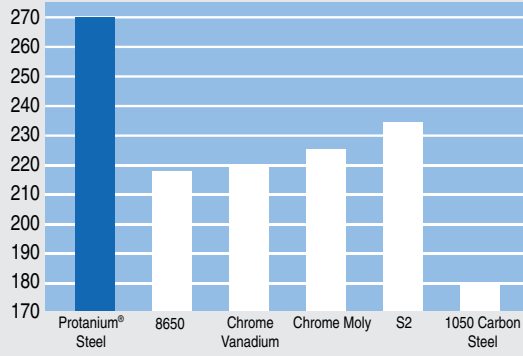
Part No.	Model	End Type	Finish	Length	Included Sizes	Pcs
13189	BTX80M/S	Ball End	ProGuard™	Graduated	2, 2.5, 3, 4, 5, 6, 8, 10mm	8
13190	BTX10/S				3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	10
33034	TTHX8	Star Tip			T9, T10, T15, T20, T25, T27, T30, T40	8



High Torque Steel:

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

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)

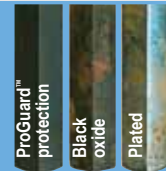
Hardness Rockwell C	Tensile Strength PSI	5/64" & 1/8" 2mm		5/32" & 4mm		1/4" & 8mm		
61	360000	34	141	273	1125	2187		
59	340000	32	133	258	1063	2065		Protanium®
57	320000	30	125	243	1000	1944		Steel
55	300000	28	117	228	938	1822		
53	280000	27	109	213	875	1701		8650
51	260000	25	102	197	813	1579		Steel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

Maintaining hardness and ductility means higher tensile strength. The higher the tensile strength, the stronger the tool.



Corrosion-resistant finish:

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



Actual corrosion after 10 hours exposure to salt spray



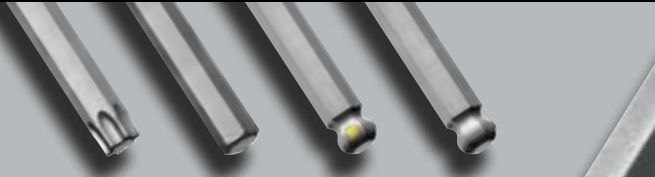
Bondhus: Precision machined



Competitor: Poorly machined

.050" Ball End Comparison

Distributed by:



L-Wrenches



Tools are made with custom heat treated Protanium® Steel for more torque and longer tool life

Available in a wide range of lengths and tip styles

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

Twist-to-Lock case keeps keys organized by size

Cases marked and color coded

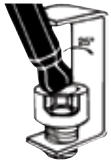
Case sorts and prevents loose or lost hex keys



Twist to lock keys securely in place



Case may be used to increase leverage



- 25° working angle allows natural hand and wrist movement
- Faster and easier insertion
- Works in hard to reach areas
- Turns full 360° in location
- Reduces user fatigue

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



Turn & Flip Feature:
Eliminates constant removal and repositioning in screw head when working against obstructions



Quick Blade Selection:
Blades are accessed from both the top and bottom, eliminating the constant "unstacking" of blades

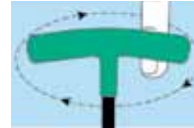


Speed Wrench Feature:
90° stop converts the tool into a non-stop, time saving speed wrench

T-Handle Tools



Handle and blade are securely welded and will never loosen or slip



Heavy duty handle generates a flywheel effect for super fast insertion or removal of screws

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

Available in 6", 9" and graduated blade lengths

Cushioned feel reduces fatigue



Handle sizes are engineered to match blade torque capabilities



The 3/32, 7/64, 1/8, and 9/64 inch and 2, 2.5, and 3mm blades are always straight hex tips to prevent breakage. A T-Handle could easily over-torque and break smaller size ball end tips.

Star Tip Tools



Bondhus Star and Star Plus tools fit TORX® brand screws

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™ tip brings the advantages of a ball end to tasks requiring a star tip



Generate the necessary torque with ease

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



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