



Tools That
Work



2014 Catalog

NEW! from Bondhus



Durable color-coded finish for superior protection and easily identifiable tools

Color-coded Protective Finish

p. 5

Expanded line of Multi Packs



Even more bundling options to help get the right tools at the right price.

p. 6-7

Tamper Resistant L-Wrenches



Tools to fit all Hex, Star, and TORX® brand tamper resistant screws.

p. 16



Long length 9 piece metric set in BriteGuard™ finish.

16999

p. 17

T-Handle Inch/Metric Combo Sets



New T-Handle sets feature the most commonly used Inch and Metric sizes. Available in both Ball and Hex End.

p. 31 & 33



Torque Limiting Device (TLD)



Factory preset torque limits and interchangeable blades make ClickSet™ TLD the economical solution to an expensive problem.

p. 44-45

ProHold® Hex End Power Bits



New ProHold® tipped hex bits hold fasteners securely to the tool head.

p. 51

Hex End Power Bits



An expanded range of power bits.

p. 51

Lifetime Warranty

Bondhus manufactures the highest quality Hex and Star tools available, and every tool is backed by an unconditional lifetime warranty.

“All Bondhus products are guaranteed for life. If you are not satisfied 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.”

A warranty is only as good as the company standing behind it. Bondhus has been the leading innovator in the Hex and Star tool industry for over forty years.



*TORX® is a registered trademark of Acument Intellectual Properties, LLC



Bondhus Professional Quality Tools Provide Superior Value

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 is not a question of “if”, but rather “when”.

Stripped screw heads are one of those bad things that happen. A screw with a stripped head can no longer be removed with a hex tool. If it is 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 strongest tools available anywhere. Customer satisfaction is what we strive for.

Want to see more?
Scan the tag for
Bondhus tool videos:



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L-Wrenches



Color Coded

- Inch
- Metric
- Star

- Available in a wide range of lengths and tip styles
- Chamfered tips for faster insertion and full tool engagement in the screw head
- Tools are made with custom heat treated Protanium® Steel for more torque and longer tool life
- Four finish options available



High Torque Steel:

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

FINISH OPTIONS:



Corrosion-resistant finish:

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



Next generation chrome finish:

Traditional plated tool look with superior protection and durability.



Real 14 karat gold finish:

Superior protection and durability over traditional chrome and the look and shine of real gold.

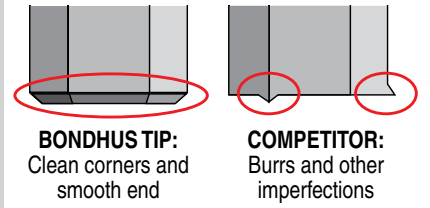


Color-coded protective finish:

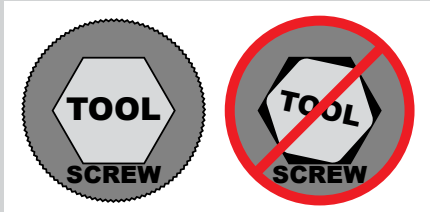
Durable color-coded finish for superior protection and easy tool identification.

More than just another L-Wrench

Bondhus is committed to making the best tools on the market. Bondhus is constantly working to improve our tools. We are never satisfied with "good enough." We work hard to make sure your new Bondhus L-Wrench is always the best tool for the job.



Bondhus chamfers every Hex and Star Tip tool we make. This process eliminates burrs and imperfections in the tool's tip that can prevent the tool from fitting properly or seating fully within the screw head.



Every Bondhus tool is designed and machined to achieve an optimal fit between tool and fastener. Tools insert quickly and easily into screw head and fit snug to generate greater torque and minimize slippage and stripping.



Bondhus custom heat-treating produces tools that are highly resistant to breakage and shattering.

Ball End L-Wrenches

- ColorGuard™ Finish -

- Color-coded tools can be distinguished at a glance
- Superior rust protection finish
- Sizes are stamped on the tool
- Ball End inserts into screw at a 25° angle
- Extra long length available

L-Wrenches

ColorGuard™ finish.
Color coded for easy
identification.



Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	69637	BLX13XLCG	13	Extra Long	.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"	1	
Metric	69699	BLX9MXLCG	9	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	69499	BLX9MCG	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



- Assembled from our most popular sets
- Multiple sets per package
- Tip selections include Ball End, Star Tip, Hex End, and ProHold® Tip Ball End.



ProGuard™ Ball End



PART#	MODEL#	PCS	CONTENTS	QTY	LIST
20196	BLX21	21	10936 (.050-5/16") + 10999 (1.5-10mm)	1	
20199	BLX22	22	10937 (.050-3/8") + 10999 (1.5-10mm)	1	
20699	BLX22XL	22	16037 (.050-3/8") + 16099 (1.5-10mm)	1	



20199

ProGuard™ Ball End Stubby



PART#	MODEL#	PCS	CONTENTS	QTY	LIST
20599	SBLX22	22	16537 (.050-3/8") + 16599 (1.5-10mm)	1	



20599

ProGuard™ ProHold® Tip Ball End

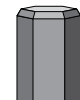


PART#	MODEL#	PCS	CONTENTS	QTY	LIST
20499	PBLX22	22	74937 (.050-3/8") + 74999 (1.5-10mm)	1	



20499

ProGuard™ Hex End

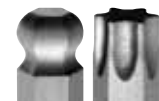


PART#	MODEL#	PCS	CONTENTS	QTY	LIST
22199	HLX22	22	12137 (.050-3/8") + 12199 (1.5-10mm)	1	



22199

ProGuard™ Ball End and Star Tip

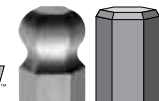


PART#	MODEL#	PCS	CONTENTS	QTY	LIST
14132	BLF30TS	30	10937 (.050-3/8") + 10999 (1.5-10mm) + 12632 (Star Fold Up T6-T25)	1	
14138	BLF30T	30	10937 (.050-3/8") + 10999 (1.5-10mm) + 12634 (Star Fold Up T9-T40)	1	
14126	BLF17S	17	10999 (1.5-10mm) + 12632 (Star Fold Up T6-T25)	1	
14128	BLF17	17	10999 (1.5-10mm) + 12634 (Star Fold Up T9-T40)	1	



14132

ProGuard™ Ball End and Hex End GorillaGrip® Fold Ups



PART#	MODEL#	PCS	CONTENTS	QTY	LIST
14130	BLF34	34	10937 (.050-3/8") + 10999 (1.5-10mm) + 12550 (Hex Fold Up 5/64-5/32", 1.5-5mm)	1	
14187	BLF16M	16	10999 (1.5-10mm) + 12587 (Hex Fold Up 2-8mm)	1	
14189	BLF22	22	10937 (.050-3/8") + 12589 (Hex Fold Up 5/64-1/4")	1	



14187

- Assembled from our most popular sets
- Multiple sets per package
- Tip selections include Ball End, Star Tip, Hex End, and ProHold® Tip Ball End.



BriteGuard™ Ball End and ProGuard™ GorillaGrip® Fold Ups     

PART#	MODEL#	PCS	CONTENTS	QTY	LIST
14170	BLF16MB	16	16999 (1.5-10mm) + 12587 (Hex Fold Up 2-8mm)	1	



14170

ColorGuard™ Ball End   

PART#	MODEL#	PCS	CONTENTS	QTY	LIST
69600	BLX22XLCG	22	69637 (.050-3/8") + 69699 (1.5-10mm)	1	



69600

BriteGuard™ Ball End   

PART#	MODEL#	PCS	CONTENTS	QTY	LIST
26999	BLX22B	22	16937 (.050-3/8") + 16999 (1.5-10mm)	1	



26999

BriteGuard™ and GoldGuard™ Ball End    

PART#	MODEL#	PCS	CONTENTS	QTY	LIST
20399	BLX22GB	22	26937 (.050-3/8") + 38099 (1.5-10mm)	1	



20399

GoldGuard™ Ball End  

PART#	MODEL#	PCS	CONTENTS	QTY	LIST
20899	BLX22G	22	37937 (.050-3/8") + 38099 (1.5-10mm)	1	



20899

Ball End L-Wrenches

- ProGuard™ Finish -

L-Wrenches

- Ball End inserts into a screw at a 25° angle
- Ball End saves time by quickly funneling tool into screw
- 25° angle allows natural hand and wrist movement
- Superior Ball End strength and working angle
- Works in hard to reach places



Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	10945	BLX7	7	Long	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"	1	
	10932	BLX8	8	Long	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1	
	10938	BLX10	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	10936	BLX12	12	Long	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"	1	
	10937	BLX13	13	Long	.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"	1	
	10935	BLX15	15	Long	.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" (in vinyl roll up pouch)	1	
	10933	MBLX13	13	Long	.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" (in metal box)	1	
	16037	BLX13XL	13	Extra Long	.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"	1	



Singles	SIZE	INCH		MM		PACKAGED			BULK			TAGGED/BARCODED		
		INCH	MM	INCH	MM	PART#	QTY	LIST EA	PART#	QTY	LIST EA	PART#	QTY	LIST EA
LONG Inch	.050	2.8	72	0.53	13	10902	10		12902	100		15702	10	
	1/16	3.0	76	0.56	14	10903	10		12903	100		15703	10	
	5/64	3.2	81	0.61	15	10904	10		12904	100		15704	10	
	3/32	3.4	86	0.65	16	10905	10		12905	100		15705	10	
	7/64	3.6	90	0.70	18	10906	10		12906	100		15706	10	
	1/8	3.8	95	0.75	19	10907	10		12907	100		15707	10	
	9/64	4.0	101	0.80	20	10908	10		12908	100		15708	10	
	5/32	4.2	107	0.84	21	10909	10		12909	100		15709	10	
	3/16	4.5	114	0.94	24	10910	10		12910	100		15710	10	
	7/32	4.9	124	1.03	26	10911	5		12911	50		15711	5	
	1/4	5.6	141	1.13	29	10912	5		12912	50		15712	5	
	5/16	6.0	152	1.25	32	10913	5		12913	50		15713	5	
	3/8	6.8	171	1.38	35	10914	5		12914	50		15714	5	
	7/16	7.5	191	1.50	38	10915	1		12915	25		15715	1	
	1/2	8.3	210	1.63	41	10916	1		12916	25		15716	1	
	9/16	9.0	229	1.75	44	10917	1		12917	10		15717	1	
	5/8	9.8	248	1.88	48	10918	1		12918	10		15718	1	
	3/4	11.3	286	2.13	54	10919	1		12919	5		15719	1	
	7/8	12.8	325	2.37	60	10920	1		-	-		-	-	
	1	14.2	362	2.62	67	10921	1		-	-		-	-	

Singles	SIZE	INCH		MM		PACKAGED		
		INCH	MM	INCH	MM	PART#	QTY	LIST EA
EXTRA LONG Inch	.050	3.1	77	0.53	13	16002	10	
	1/16	3.3	85	0.56	14	16003	10	
	5/64	3.6	92	0.61	15	16004	10	
	3/32	3.9	99	0.65	16	16005	10	
	7/64	4.1	105	0.70	18	16006	10	
	1/8	4.5	114	0.75	19	16007	10	
	9/64	4.8	122	0.80	20	16008	10	
	5/32	5.1	131	0.84	21	16009	10	
	3/16	5.2	132	0.94	24	16010	10	
	7/32	5.6	143	1.03	26	16011	5	
	1/4	6.5	164	1.13	29	16012	5	
	5/16	7.1	180	1.25	32	16013	5	
3/8	7.8	199	1.38	35	16014	5		

Did you know...?

Bondhus Ball End tips are designed to be the perfect balance between angle and strength. Ball End strength is maximized, while still providing a consistent full 25° working angle.

Ball End L-Wrenches

- ProGuard™ Finish -

L-Wrenches

- Ball End inserts into a screw at a 25° angle
- Ball End saves time by quickly funneling tool into screw
- 25° angle allows natural hand and wrist movement
- Superior Ball End strength and working angle
- Works in hard to reach places



Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Metric	10946	BLX6M	6	Long	1.5, 2, 2.5, 3, 4, 5mm	1	
	10992	BLX7M	7	Long	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	10999	BLX9M	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	10995	BLX15M	15	Long	1.27, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm	1	
	10989	MBLX13	13	Long	1.27, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12, 14, 17mm (in metal box)	1	
	16099	BLX9MXL	9	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



Singles	SIZE	INCH		MM		PACKAGED			BULK			TAGGED/BARCODED		
		INCH	MM	INCH	MM	PART#	QTY	LIST EA	PART#	QTY	LIST EA	PART#	QTY	LIST EA
LONG Metric	1.27	2.8	72	0.53	13	10949	10		12949	100		15749	10	
	1.5	3.0	77	0.53	14	10950	10		12950	100		15750	10	
	2.0	3.2	82	0.61	16	10952	10		12952	100		15752	10	
	2.5	3.5	88	0.69	17	10954	10		12954	100		15754	10	
	3.0	3.9	98	0.75	19	10956	10		12956	100		15756	10	
	3.5	3.9	100	0.85	21	10958	1		12958	100		15758	1	
	4.0	4.3	110	0.87	22	10960	10		12960	100		15760	10	
	4.5	4.5	114	1.00	25	10962	1		12962	100		15762	1	
	5.0	4.7	119	1.06	27	10964	5		12964	100		15764	5	
	5.5	4.9	124	1.14	29	10966	1		12966	50		15766	1	
	6	5.5	139	1.22	31	10968	5		12968	50		15768	5	
	7	5.5	140	1.30	33	10970	1		12970	50		15770	1	
	8	6.0	152	1.38	35	10972	5		12972	50		15772	5	
	9	6.2	159	1.46	37	10974	1		12974	50		15774	1	
	10	6.7	171	1.54	39	10976	5		12976	50		15776	5	
	11	7.9	200	1.63	42	10978	1		12978	25		15778	1	
	12	8.7	220	1.73	44	10980	1		12980	25		15780	1	
	13	9.4	240	1.88	48	10982	1		12982	10		15782	1	
	14	10.2	260	2.15	55	10984	1		12984	10		15784	1	
	17	11.0	280	2.42	61	10986	1		12986	10		15786	1	
	19	11.6	295	2.70	69	10988	1		12988	5		15788	1	
	22	13.0	330	3.07	78	10991	1		-	-		-	-	
	24	14.5	370	3.47	88	10993	1		-	-		-	-	

Singles	SIZE	INCH		MM		PACKAGED		
		INCH	MM	INCH	MM	PART#	QTY	LIST EA
EXTRA LONG Metric	1.5	3.5	90	0.53	14	16050	10	
	2.0	3.9	100	0.61	16	16052	10	
	2.5	4.4	112	0.69	17	16054	10	
	3.0	5.0	126	0.75	19	16056	10	
	4.0	5.6	142	0.87	22	16060	10	
	5.0	6.3	160	1.06	27	16064	5	
	6	6.8	172	1.22	31	16068	5	
	8	7.7	195	1.38	35	16072	5	
10	8.4	213	1.54	39	16076	5		

Did you know...?

Bondhus' extremely precise manufacturing methods create Ball End tools that work very well, even in sizes as small as .050", 1.27mm, and T6 (BallStar™ Tip).

ProHold® Tip Ball End L-Wrenches

- ProGuard™ Finish -

- Holds screw 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

ProGuard™ finish delivers superior corrosion protection



Yellow=Inch

Red=Metric



ProHold® Tip holds screws securely

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	74938	PBLX10	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	74937	PBLX13	13	Long	.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"	1	
Metric	74992	PBLX7M	7	Long	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	74999	PBLX9M	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



74999



Singles	SIZE	INCH	MM	INCH	MM	SINGLE PACKAGING			TAGGED/BARCODED		
						PART#	QTY	LIST EA	PART#	QTY	LIST EA
LONG Inch	.050	2.8	72	0.53	13	75902	25		75702	5	
	1/16	3.0	76	0.56	14	75903	25		75703	5	
	5/64	3.2	81	0.61	15	75904	25		75704	5	
	3/32	3.4	86	0.65	16	75905	25		75705	5	
	7/64	3.6	90	0.70	18	75906	25		75706	5	
	1/8	3.8	95	0.75	19	75907	25		75707	5	
	9/64	4.0	101	0.80	20	75908	25		75708	5	
	5/32	4.2	107	0.84	21	75909	25		75709	5	
	3/16	4.5	114	0.94	24	75910	25		75710	5	
	7/32	4.9	124	1.03	26	75911	10		75711	2	
	1/4	5.6	141	1.13	29	75912	10		75712	2	
	5/16	6.0	152	1.25	32	75913	10		75713	2	
	3/8	6.8	171	1.38	35	75914	10		75714	2	
LONG Metric	1.27	2.8	72	0.53	13	75949	25		75749	5	
	1.5	3.0	77	0.53	14	75950	25		75750	5	
	2.0	3.2	82	0.61	16	75952	25		75752	5	
	2.5	3.5	88	0.69	17	75954	25		75754	5	
	3.0	3.9	98	0.75	19	75956	25		75756	5	
	4.0	4.3	110	0.87	22	75960	25		75760	5	
	5.0	4.7	119	1.06	27	75964	25		75764	2	
	6	5.5	139	1.22	31	75968	10		75768	2	
	8	6.0	152	1.38	35	75972	10		75772	2	
	10	6.7	171	1.54	39	75976	10		75776	2	

Did you know...?

ProHold® buttons are non-magnetic and work on all fasteners. They are safe to use on sensitive equipment. They will not rust and will hold non-magnetic screws (aluminum, stainless and plastic).



ProHold® button holds screw tight on the tool EVERY TIME



ProHold® buttons are non-magnetic and safe for use in electronic applications

Stubby Ball End L-Wrenches

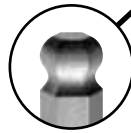
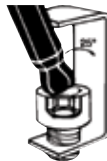
- ProGuard™ Finish -

- Fits into tight spaces standard hex keys can not
- Eliminates the need to trim and file the short arm
- Tighter inside radius means full smooth entry into screw head
- Chamfered short arm eliminates burrs
- Ball End inserts into a screw at a 25° angle

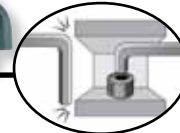
ProGuard™ finish delivers superior corrosion protection



Yellow=Inch
Red=Metric

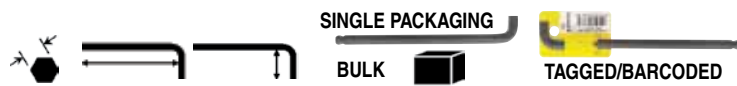


Ball End Tips

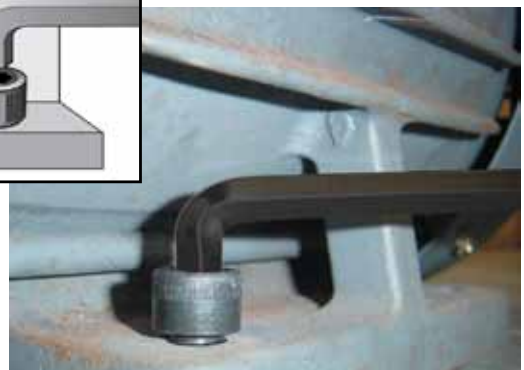
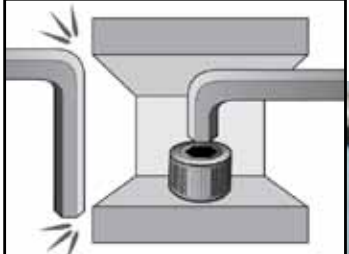


Stubby fits where others can not

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	16538	SBLX10	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	16537	SBLX13	13	Long	.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"	1	
Metric	16592	SBLX7M	7	Long	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	16599	SBLX9M	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



Singles	SIZE	INCH	MM	INCH	MM	SINGLE PACKAGING			BULK		
						PART#	QTY	LIST EA	PART#	QTY	LIST EA
LONG Inch	.050	2.8	72	0.14	4	26502	50		16502	5	
	1/16	3.0	76	0.16	4	26503	50		16503	5	
	5/64	3.2	81	0.27	7	26504	50		16504	5	
	3/32	3.4	86	0.29	7	26505	50		16505	5	
	7/64	3.6	90	0.30	8	26506	50		16506	5	
	1/8	3.8	95	0.32	8	26507	50		16507	5	
	9/64	4.0	101	0.33	8	26508	50		16508	5	
	5/32	4.2	107	0.35	9	26509	50		16509	5	
	3/16	4.5	114	0.39	10	26510	50		16510	5	
	7/32	4.9	124	0.46	12	26511	25		16511	2	
	1/4	5.3	133	0.46	12	26512	25		16512	2	
	5/16	6.0	152	0.57	14	26513	25		16513	2	
3/8	6.8	171	0.71	18	26514	25		16514	2		
LONG Metric	1.27	2.8	72	0.14	4	26549	50		16549	5	
	1.5	3.0	77	0.19	5	26550	50		16550	5	
	2.0	3.2	82	0.27	7	26552	50		16552	5	
	2.5	3.5	88	0.28	7	26554	50		16554	5	
	3.0	3.9	98	0.32	8	26556	50		16556	5	
	4.0	4.3	110	0.35	9	26560	50		16560	5	
	5.0	4.7	119	0.40	10	26564	25		16564	2	
	6	5.5	139	0.47	12	26568	25		16568	2	
8	6.0	152	0.57	14	26572	25		16572	2		
10	6.7	171	0.78	20	26576	25		16576	2		



Stubby tools fit in tight spaces where there is not enough overhead clearance for a standard hex key

Hex End L-Wrenches

- ProGuard™ Finish -

L-Wrenches

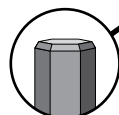
- Chamfered tool tips eliminate burrs and help tools seat in screw head
- Sharp corners transfer more torque to the screw and reduce stripping
- Precision machined for ease of use and superior fit

ProGuard™ finish delivers superior corrosion protection



Yellow=Inch

Red=Metric



Hex End Tips

Long

Short

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	12145	HLX7	7	Long	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"	1	
	12132	HLX8	8	Long	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1	
	12138	HLX10	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	12136	HLX12	12	Long	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"	1	
	12137	HLX13	13	Long	.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"	1	
	12245	HLX7S	7	Short	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"	1	
	12232	HLX8S	8	Short	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1	
	12238	HLX10S	10	Short	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	12236	HLX12S	12	Short	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"	1	
	12237	HLX13S	13	Short	.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"	1	

In Metal Box

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	12344	MHLX15S	15	Short	.028, .035, .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"	1	
	12339	MHLX18S	18	Short	.028, .035, .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, 1/2, 9/16, 5/8"	1	



12344

In Plastic Box

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	12342	MHLX13	13	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2"	1	



12342

In Pouch

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	12335	PHLX9	9	Long	5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	12333	PHLX11	11	Long	.050, 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	12351	PHLX15	15	Long	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 3/4"	1	
	12345	PHLX7S	7	Short	5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4"	1	
	12338	PHLX10S	10	Short	.035, .050, 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4 "	1	
	12341	PHLX11SS	11	Short	.050, 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	12343	PHLX11S	11	Short	5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16"	1	
	12347	PHLX15S	15	Short	.028, .035, .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"	1	
	22789	PHLX9-6	9	6" Long Arm	5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	25445	PHLX7-12	7	12" Long Arm	5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4"	1	



12347

SINGLE PACKAGING



PACKAGED



PACKAGED

Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
6" LONG ARM Inch	5/64	5.9	150	0.61	15	22704	5	
	3/32	5.9	150	0.65	16	22705	5	
	7/64	5.9	150	0.70	18	22706	5	
	1/8	5.9	149	0.75	19	22707	5	
	9/64	5.9	149	0.80	20	22708	5	
	5/32	5.8	148	0.84	21	22709	5	
	3/16	5.8	148	0.94	24	22710	5	
	7/32	5.8	147	1.03	26	22711	5	
	1/4	5.8	146	1.13	29	22712	5	
	5/16	5.7	144	1.25	32	22713	5	
3/8	5.6	143	1.38	35	22714	5		

Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
12" LONG ARM Inch	5/64	11.9	303	0.61	15	25404	5	
	3/32	11.9	302	0.65	16	25405	5	
	7/64	11.9	302	0.70	18	25406	5	
	1/8	11.9	302	0.75	19	25407	5	
	9/64	11.9	301	0.80	20	25408	5	
	5/32	11.8	301	0.84	21	25409	5	
	3/16	11.8	300	0.94	24	25410	5	
	7/32	11.8	299	1.03	26	25411	5	
	1/4	11.8	298	1.13	29	25412	5	

For more individual sizes available packaged, in bulk, or singles see page 13

Hex End L-Wrench Singles

- ProGuard™ Finish -

ProGuard™ finish delivers superior corrosion protection



L-Wrenches

- Chamfered tool tips eliminate burrs and help tools seat in screw head
- Sharp corners transfer more torque to the screw and reduce stripping
- Precision machined for ease of use and superior fit



Singles	SIZE	INCH		MM		SINGLE PACKAGING			TAGGED/BARCODED					
		INCH	MM	INCH	MM	PACKAGED	BULK	PART#	QTY	LIST EA	PART#	QTY	LIST EA	
LONG Inch	.028	2.6	66	0.22	6	12100	10		13900	100		15900	10	
	.035	2.7	68	0.34	9	12101	10		13901	100		15901	10	
	.050	2.8	72	0.53	13	12102	10		13902	100		15902	10	
	1/16	3.0	76	0.56	14	12103	10		13903	100		15903	10	
	5/64	3.2	81	0.61	15	12104	10		13904	100		15904	10	
	3/32	3.4	86	0.65	16	12105	10		13905	100		15905	10	
	7/64	3.6	90	0.70	18	12106	10		13906	100		15906	10	
	1/8	3.8	95	0.75	19	12107	10		13907	100		15907	10	
	9/64	4.0	101	0.80	20	12108	10		13908	100		15908	10	
	5/32	4.2	107	0.84	21	12109	10		13909	100		15909	10	
	3/16	4.5	114	0.94	24	12110	10		13910	100		15910	10	
	7/32	4.9	124	1.03	26	12111	5		13911	50		15911	5	
	1/4	5.3	133	1.13	29	12112	5		13912	50		15912	5	
	5/16	6.0	152	1.25	32	12113	5		13913	50		15913	5	
	3/8	6.8	171	1.38	35	12114	5		13914	50		15914	5	
	7/16	7.5	191	1.50	38	12115	1		13915	25		15915	1	
	1/2	8.3	210	1.63	41	12116	1		13916	25		15916	1	
	9/16	9.0	229	1.75	44	12117	1		13917	10		15917	1	
	5/8	9.8	248	1.88	48	12118	1		13918	10		15918	1	
	3/4	11.3	286	2.13	54	12119	1		13919	5		15919	1	
7/8	12.7	322	2.37	60	12120	1		-	-		-	-		
1	14.1	359	2.62	67	12121	1		-	-		-	-		
1 1/4	17.0	432	3.00	76	12125	1		-	-		-	-		
1 1/2	20.3	514	3.50	89	12129	1		-	-		-	-		



Singles	SIZE	INCH		MM		SINGLE PACKAGING			TAGGED/BARCODED					
		INCH	MM	INCH	MM	PACKAGED	BULK	PART#	QTY	LIST EA	PART#	QTY	LIST EA	
SHORT Inch	.028	1.2	31	0.22	6	12200	10		13800	100		15800	10	
	.035	1.2	31	0.34	9	12201	10		13801	100		15801	10	
	.050	1.6	42	0.53	13	12202	10		13802	100		15802	10	
	1/16	1.8	45	0.56	14	12203	10		13803	100		15803	10	
	5/64	1.9	48	0.61	15	12204	10		13804	100		15804	10	
	3/32	2.0	51	0.65	16	12205	10		13805	100		15805	10	
	7/64	2.1	54	0.70	18	12206	10		13806	100		15806	10	
	1/8	2.3	58	0.75	19	12207	10		13807	100		15807	10	
	9/64	2.4	61	0.80	20	12208	10		13808	100		15808	10	
	5/32	2.5	64	0.84	21	12209	10		13809	100		15809	10	
	3/16	2.8	70	0.94	24	12210	10		13810	100		15810	10	
	7/32	3.0	77	1.03	26	12211	5		13811	50		15811	5	
	1/4	3.3	83	1.13	29	12212	5		13812	50		15812	5	
	5/16	3.8	96	1.25	32	12213	5		13813	50		15813	5	
	3/8	4.3	108	1.38	35	12214	5		13814	50		15814	5	
	7/16	4.8	121	1.50	38	12215	1		13815	50		15815	1	
	1/2	5.3	133	1.63	41	12216	1		13816	50		15816	1	
	9/16	5.8	146	1.75	44	12217	1		13817	25		15817	1	
	5/8	6.3	159	1.88	48	12218	1		13818	20		15818	1	
	3/4	7.3	184	2.13	54	12219	1		13819	15		15819	1	
7/8	8.2	207	2.37	60	12220	1		-	-		-	-		
1	9.2	232	2.62	67	12221	1		-	-		-	-		
1 1/4	11.0	279	3.00	76	12225	1		-	-		-	-		
1 1/2	13.0	330	3.50	89	12229	1		-	-		-	-		
1 3/4	13.3	337	4.00	102	12231	1		-	-		-	-		
2	15.0	381	4.50	114	12233	1		-	-		-	-		

For sets and 6" and 12" Long Arm singles see page 12

Made in the U.S.A.



All Bondhus® tools are made with Protanium® High Torque Steel.

Hex End L-Wrenches

- ProGuard™ Finish -

L-Wrenches

- Chamfered tool tips eliminate burrs and help tools seat in screw head
- Sharp corners transfer more torque to the screw and reduce stripping
- Precision machined for ease of use and superior fit



Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Metric	12146	HLX6M	6	Long	1.5, 2, 2.5, 3, 4, 5mm	1	
	12192	HLX7M	7	Long	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	12199	HLX9M	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	12195	HLX15M	15	Long	1.27, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm	1	
	12246	HLX6MS	6	Short	1.5, 2, 2.5, 3, 4, 5mm	1	
	12292	HLX7MS	7	Short	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	12299	HLX9MS	9	Short	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	

In Metal Box

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Metric	12396	MHLX10M	10	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12mm	1	
	12393	MHLX12MS	12	Short	.71, .89, 1.27, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	12394	MHLX15MS	15	Short	.71, .89, 1.27, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12, 14, 17mm	1	



12394

In Pouch

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Metric	12349	PHLX15M	15	Long	.89, 1.27, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12, 14, 17, 19mm	1	
	12392	PHLX7MS	7	Short	2, 2.5, 3, 4, 5, 6, 8mm	1	
	12399	PHLX9MS	9	Short	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	12391	PHLX11MS	11	Short	2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 12mm	1	
	12397	PHLX14MS	14	Short	2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 17, 19mm	1	



12397

Did you know...?

Bondhus tools are harder and more ductile than competitors' tools. They wear longer, generate greater torque and resist breakage and shattering.

For individual sizes available packaged, in bulk, or singles
see page 15

Hex End L-Wrench Singles

- ProGuard™ Finish -

ProGuard™ finish delivers superior corrosion protection



L-Wrenches

- Chamfered tool tips eliminate burrs and help tools seat in screw head
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SINGLE PACKAGING
PACKAGED BULK



TAGGED/BARCODED

Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA	PART#	QTY	LIST EA	PART#	QTY	LIST EA
LONG Metric	0.71	2.6	66	0.22	6	12147	10		13947	100		15947	10	
	0.89	2.7	68	0.34	9	12148	10		13948	100		15948	10	
	1.27	2.8	72	0.53	13	12149	10		13949	100		15949	10	
	1.5	3.0	77	0.53	14	12150	10		13950	100		15950	10	
	2.0	3.2	82	0.61	16	12152	10		13952	100		15952	10	
	2.5	3.5	88	0.69	17	12154	10		13954	100		15954	10	
	3.0	3.9	98	0.75	19	12156	10		13956	100		15956	10	
	3.5	3.9	100	0.85	21	12158	1		13958	100		15958	1	
	4.0	4.3	110	0.87	22	12160	10		13960	100		15960	10	
	4.5	4.5	114	1.00	25	12162	1		13962	100		15962	1	
	5.0	4.7	119	1.06	27	12164	5		13964	100		15964	5	
	5.5	4.9	124	1.14	29	12166	1		13966	50		15966	1	
	6	5.5	139	1.22	31	12168	5		13968	50		15968	5	
	7	5.5	140	1.30	33	12170	1		13970	50		15970	1	
	8	6.0	152	1.38	35	12172	5		13972	50		15972	5	
	9	6.2	159	1.46	37	12174	1		13974	50		15974	1	
	10	6.7	171	1.54	39	12176	5		13976	50		15976	5	
	11	7.9	200	1.63	42	12178	1		13978	25		15978	1	
	12	8.7	220	1.73	44	12180	1		13980	25		15980	1	
	13	9.4	240	1.88	48	12182	1		13982	10		15982	1	
14	10.2	260	2.15	55	12184	1		13984	10		15984	1		
17	11.0	280	2.42	61	12186	1		13986	10		15986	1		
19	11.6	295	2.70	69	12188	1		13988	5		15988	1		
22	12.8	325	3.07	78	12191	1		-	-		-	-		
24	14.3	364	3.47	88	12193	1		-	-		-	-		
32	17.0	432	4.80	122	12196	1		-	-		-	-		
36	20.3	516	5.37	137	12198	1		-	-		-	-		



SINGLE PACKAGING
PACKAGED BULK



TAGGED/BARCODED

Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA	PART#	QTY	LIST EA	PART#	QTY	LIST EA
SHORT Metric	0.71	1.2	31	0.22	6	12247	10		13847	100		15847	10	
	0.89	1.2	31	0.34	9	12248	10		13848	100		15848	10	
	1.27	1.6	42	0.53	13	12249	10		13849	100		15849	10	
	1.5	1.7	44	0.53	14	12250	10		13850	100		15850	10	
	2.0	1.9	49	0.61	16	12252	10		13852	100		15852	10	
	2.5	2.1	54	0.69	17	12254	10		13854	100		15854	10	
	3.0	2.4	61	0.75	19	12256	10		13856	100		15856	10	
	3.5	2.6	65	0.85	21	12258	1		13858	100		15858	1	
	4.0	2.7	68	0.87	22	12260	10		13860	100		15860	10	
	4.5	2.9	73	1.00	25	12262	1		13862	100		15862	1	
	5.0	3.1	78	1.06	27	12264	5		13864	100		15864	5	
	5.5	3.3	83	1.14	29	12266	1		13866	50		15866	1	
	6	3.5	88	1.22	31	12268	5		13868	50		15868	5	
	7	3.7	93	1.30	33	12270	1		13870	50		15870	1	
	8	3.9	98	1.38	35	12272	5		13872	50		15872	5	
	9	4.0	102	1.46	37	12274	1		13874	50		15874	1	
	10	4.3	109	1.54	39	12276	5		13876	50		15876	5	
	11	4.5	115	1.63	42	12278	1		13878	50		15878	1	
	12	4.8	122	1.73	44	12280	1		13880	50		15880	1	
	13	5.1	129	1.88	48	12282	1		13882	25		15882	1	
14	5.4	136	2.15	55	12284	1		13884	25		15884	1		
17	6.1	156	2.42	61	12286	1		13886	20		15886	1		
19	6.9	175	2.72	69	12288	1		13888	15		15888	1		
22	7.5	190	3.07	78	12291	1		-	-		-	-		
24	8.4	213	3.47	88	12293	1		-	-		-	-		
27	9.4	238	3.84	98	12295	1		-	-		-	-		
32	11.8	300	4.80	122	12296	1		-	-		-	-		
36	13.3	338	5.37	137	12298	1		-	-		-	-		

For sets see page 14

Made in the U.S.A.



All Bondhus® tools are made with Protanium® High Torque Steel.

Tamper Resistant Hex End L-Wrenches

L-Wrenches

- ProGuard™ Finish -

- Fits all tamper resistant hex screws
- Chamfered tool tips eliminate burrs and help tools seat in screw head
- Sharp corners transfer more torque to the screw and reduce stripping
- Precision machined for ease of use and superior fit

ProGuard™ finish delivers superior corrosion protection

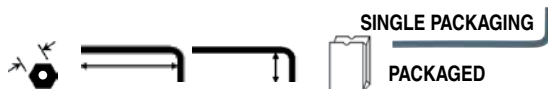


Tamper Resistant Hex Tips



Tamper Resistant Hex Tips

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	48332	HTR8	8	Long	3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	48386	HTR6M	6	Long	2.5, 3, 4, 5, 6, 8mm	1	



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
LONG Inch	3/32	3.4	86	0.65	16	48305	5	
	1/8	3.8	95	0.75	19	48307	5	
	5/32	4.2	107	0.84	21	48309	5	
	3/16	4.5	114	0.94	24	48310	5	
	7/32	4.9	124	1.03	26	48311	5	
	1/4	5.3	133	1.13	29	48312	5	
	5/16	6.0	152	1.25	32	48313	5	
3/8	6.8	171	1.38	35	48314	2		
LONG Metric	2.5	3.5	88	0.69	17	48354	5	
	3.0	3.9	98	0.75	19	48356	5	
	4.0	4.3	110	0.87	22	48360	5	
	5.0	4.7	119	1.06	27	48364	5	
	6	5.5	139	1.22	31	48368	5	
	8	6.0	152	1.38	35	48372	5	
	10	6.7	171	1.54	39	48376	2	



48332

Tamper Resistant Star Tip L-Wrenches

- ProGuard™ Finish -

- Fits all Star and TORX® brand tamper resistant screws
- Burr free tool tips help tools seat fully in screw head
- Precision machined tips transfer more torque to the screw and reduces stripping

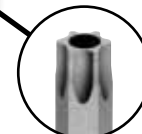
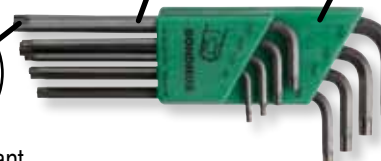
ProGuard™ finish delivers superior corrosion protection



Tools are in color coded cases for easy recognition
Green=Star

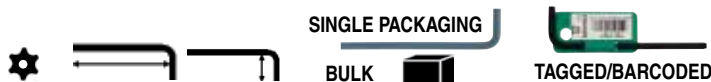


Tamper Resistant Star Tips



Tamper Resistant Star Tips

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Star	32432	TR-TL8S	8	Long	TR6, TR7, TR8, TR9, TR10, TR15, TR20, TR25	1	
	32434	TR-TL8	8	Long	TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	1	



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA	PART#	QTY	LIST EA
LONG Star	TR6	2.1	55	0.65	16	33406	25		32406	2	
	TR7	2.4	61	0.65	16	33407	25		32407	2	
	TR8	2.6	67	0.65	16	33408	25		32408	2	
	TR9	2.9	74	0.65	16	33409	25		32409	2	
	TR10	3.2	80	0.73	19	33410	25		32410	2	
	TR15	3.3	84	0.78	20	33415	25		32415	2	
	TR20	3.6	91	0.78	20	33420	25		32420	2	
	TR25	3.8	98	0.88	22	33425	25		32425	2	
	TR27	4.2	106	0.95	24	33427	25		32427	2	
	TR30	4.6	116	1.03	26	33430	25		32430	2	
	TR40	4.9	125	1.11	28	33440	25		32440	2	

Did you know...?
ProGuard™ Dry Surface Technology is the world's best corrosion protection. The tool user does not have to work with rusty tools. ProGuard™ protection delivers up to 5 times the corrosion resistance of any other Hex or Star Tip tool finish.

*TORX® is a registered trademark of Acument Intellectual Properties, LLC

Ball End L-Wrenches

- BriteGuard™ Finish -

L-Wrenches

- Ball End inserts into a screw at a 25° angle
- Ball End saves time by quickly funneling tool into screw
- 25° angle allows natural hand and wrist movement
- Superior Ball End strength and working angle
- Works in hard to reach places



BriteGuard™ finish delivers superior corrosion protection

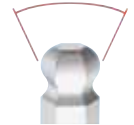


Yellow=Inch

Red=Metric



Ball End Tips



25° Working angle

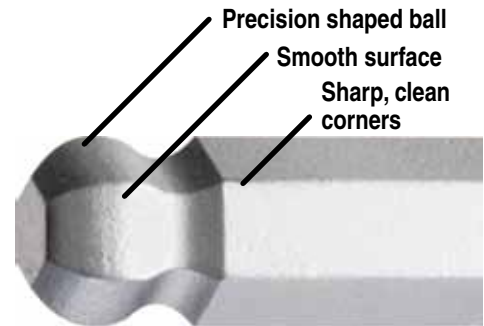
Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	16938	BLX10B	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	16936	BLX12B	12	Long	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"	1	
	16937	BLX13B	13	Long	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	17046	BLX6MB	6	Extra Long	1.5, 2, 2.5, 3, 4, 5mm	1	
	17092	BLX7MB	7	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	17099	BLX9MB	9	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	17095	BLX15MB	15	Extra Long	1.27, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm	1	
	16999	BLX9MB	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



17099



Singles	SIZE	INCH		MM		SINGLE PACKAGING			TAGGED/BARCODED		
		INCH	MM	INCH	MM	PART#	QTY	LIST EA	PART#	QTY	LIST EA
LONG Inch	.050	2.8	72	0.53	13	26902	50		16902	10	
	1/16	3.0	76	0.56	14	26903	50		16903	10	
	5/64	3.2	81	0.61	15	26904	50		16904	10	
	3/32	3.4	86	0.65	16	26905	50		16905	10	
	7/64	3.6	90	0.70	18	26906	50		16906	10	
	1/8	3.8	95	0.75	19	26907	50		16907	10	
	9/64	4.0	101	0.80	20	26908	50		16908	10	
	5/32	4.2	107	0.84	21	26909	50		16909	10	
	3/16	4.5	114	0.94	24	26910	50		16910	10	
	7/32	4.9	124	1.03	26	26911	25		16911	5	
	1/4	5.6	141	1.13	29	26912	25		16912	5	
	5/16	6.0	152	1.25	32	26913	25		16913	5	
	3/8	6.8	171	1.38	35	26914	25		16914	5	
	7/16	7.5	191	1.50	38	-	-		16915	1	
	1/2	8.3	210	1.63	41	-	-		16916	1	
	9/16	9.0	229	1.75	44	-	-		16917	1	
5/8	9.8	248	1.88	48	-	-		16918	1		
3/4	11.3	286	2.13	54	-	-		16919	1		
EXTRA LONG Metric	1.27	2.8	72	0.53	13	27049	50		17049	10	
	1.5	3.5	90	0.53	14	27050	50		17050	10	
	2.0	3.9	100	0.61	16	27052	50		17052	10	
	2.5	4.4	112	0.69	17	27054	50		17054	10	
	3.0	5.0	126	0.75	19	27056	50		17056	10	
	3.5	5.2	133	0.85	21	27058	50		17058	1	
	4.0	5.6	142	0.87	22	27060	50		17060	10	
	4.5	5.9	151	1.00	25	27062	50		17062	1	
	5.0	6.3	160	1.06	27	27064	50		17064	5	
	5.5	6.8	172	1.14	29	27066	25		17066	1	
	6	6.8	172	1.22	31	27068	25		17068	5	
	7	7.2	184	1.30	33	27070	25		17070	1	
	8	7.7	195	1.38	35	27072	25		17072	5	
	9	8.0	202	1.46	37	27074	25		17074	1	
	10	8.4	213	1.54	39	27076	10		17076	5	
	11	7.9	200	1.63	42	27078	10		17078	1	
	12	8.7	220	1.73	44	27080	10		17080	1	
	14	10.2	260	2.15	55	-	-		17084	1	
	17	11.0	280	2.42	61	-	-		17086	1	
19	11.6	295	2.70	69	-	-		17088	1		



Did you know...?

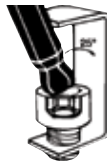
Bondhus Ball End tools feature a consistent 25° working angle. The Ball End feature saves time and tool users can absolutely count on every Bondhus Ball End tool to provide a 25° working angle. Period!

Stubby Ball End L-Wrenches

- BriteGuard™ Finish -

- Fits into tight spaces standard hex keys can not
- Eliminates the need to trim and file the short arm
- Tighter inside radius means full smooth entry into screw head
- Chamfered short arm eliminates burrs
- Ball End inserts into a screw at a 25° angle

BriteGuard™ finish delivers superior corrosion protection



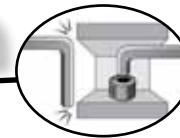
Ball End Tips



L-Wrenches

Yellow=Inch

Red=Metric



Stubby fits where others can not

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	16738	SBLX10B	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	16737	SBLX13B	13	Long	.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"	1	
Metric	16792	SBLX7MB	7	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	16799	SBLX9MB	9	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



16799

SINGLE PACKAGING



BULK

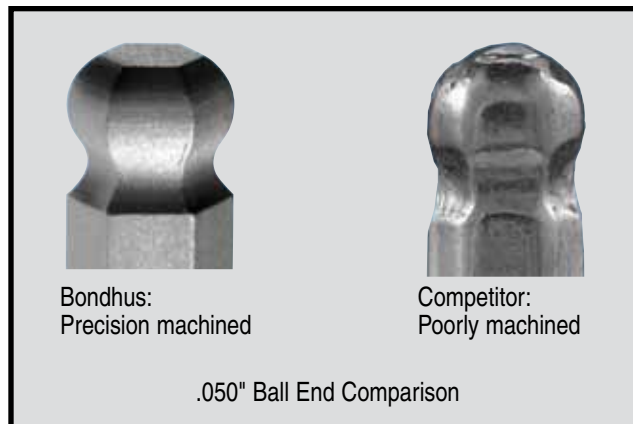


TAGGED/BARCODED

Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA	PART#	QTY	LIST EA
LONG Inch	.050	2.7	69	0.14	4	26702	50		16702	5	
	1/16	2.8	72	0.16	4	26703	50		16703	5	
	5/64	2.9	74	0.27	7	26704	50		16704	5	
	3/32	3.1	78	0.29	7	26705	50		16705	5	
	7/64	3.3	83	0.30	8	26706	50		16706	5	
	1/8	3.4	87	0.32	8	26707	50		16707	5	
	9/64	3.6	92	0.33	8	26708	50		16708	5	
	5/32	3.9	98	0.35	9	26709	50		16709	5	
	3/16	4.1	104	0.39	10	26710	50		16710	5	
	7/32	4.4	112	0.46	12	26711	25		16711	2	
	1/4	5.1	129	0.46	12	26712	25		16712	2	
5/16	5.4	138	0.57	14	26713	25		16713	2		
3/8	6.0	153	0.71	18	26714	25		16714	2		
EXTRA LONG Metric	1.27	2.7	69	0.14	4	26749	50		16749	5	
	1.5	3.5	90	0.19	5	26750	50		16750	5	
	2.0	3.9	100	0.27	7	26752	50		16752	5	
	2.5	4.4	112	0.28	7	26754	50		16754	5	
	3.0	5.0	126	0.32	8	26756	50		16756	5	
	4.0	5.6	142	0.35	9	26760	50		16760	5	
	5.0	6.3	160	0.40	10	26764	25		16764	2	
	6	6.8	172	0.47	12	26768	25		16768	2	
	8	7.7	195	0.57	14	26772	25		16772	2	
10	8.4	213	0.78	20	26776	25		16776	2		

Did you know...?

Stubby tools have a tighter inside radius than standard hex keys, which saves time because the tight radius design reaches screws that even a hex key with a cut down short arm can not.



Bondhus:
Precision machined

Competitor:
Poorly machined

.050" Ball End Comparison

Ball End L-Wrenches

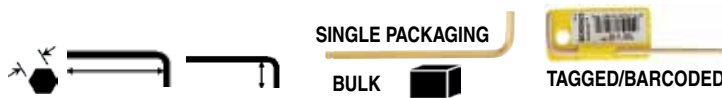
- GoldGuard™ Finish -

- Ball End inserts into a screw at a 25° angle
- Ball End saves time by quickly funneling tool into screw
- 25° angle allows natural hand and wrist movement
- Superior Ball End strength and working angle
- Works in hard to reach places

GoldGuard™ finish.
Real 14 karat Gold



Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	37938	BLX10G	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	37936	BLX12G	12	Long	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"	1	
	37937	BLX13G	13	Long	.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"	1	
Metric	38046	BLX6MG	6	Long	1.5, 2, 2.5, 3, 4, 5mm	1	
	38092	BLX7MG	7	Long	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	38099	BLX9MG	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	38095	BLX15MG	15	Long	1.27, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm	1	



Singles	SIZE	INCH	MM	INCH	MM	SINGLE PACKAGING			BULK			TAGGED/BARCODED			
						PART#	QTY	LIST EA	PART#	QTY	LIST EA	PART#	QTY	LIST EA	
LONG Inch	.050	2.8	72	0.53	13	27902	50		37902	10					
	1/16	3.0	76	0.56	14	27903	50		37903	10					
	5/64	3.2	81	0.61	15	27904	50		37904	10					
	3/32	3.4	86	0.65	16	27905	50		37905	10					
	7/64	3.6	90	0.70	18	27906	50		37906	10					
	1/8	3.8	95	0.75	19	27907	50		37907	10					
	9/64	4.0	101	0.80	20	27908	50		37908	10					
	5/32	4.2	107	0.84	21	27909	50		37909	10					
	3/16	4.5	114	0.94	24	27910	50		37910	10					
	7/32	4.9	124	1.03	26	27911	25		37911	5					
	1/4	5.6	141	1.13	29	27912	25		37912	5					
	5/16	6.0	152	1.25	32	27913	25		37913	5					
	3/8	6.8	171	1.38	35	27914	25		37914	5					
	7/16	7.5	191	1.50	38	-	-		37915	1					
	1/2	8.3	210	1.63	41	-	-		37916	1					
	9/16	9.0	229	1.75	44	-	-		37917	1					
5/8	9.8	248	1.88	48	-	-		37918	1						
3/4	11.3	286	2.13	54	-	-		37919	1						
LONG Metric	1.27	2.8	72	0.53	13	28049	50		38049	10					
	1.5	3.0	77	0.53	14	28050	50		38050	10					
	2.0	3.2	82	0.61	16	28052	50		38052	10					
	2.5	3.5	88	0.69	17	28054	50		38054	10					
	3.0	3.9	98	0.75	19	28056	50		38056	10					
	3.5	3.9	100	0.85	21	28058	50		38058	1					
	4.0	4.3	110	0.87	22	28060	50		38060	10					
	4.5	4.5	114	1.00	25	28062	50		38062	1					
	5.0	4.7	119	1.06	27	28064	50		38064	5					
	5.5	4.9	124	1.14	29	28066	25		38066	1					
	6	5.5	139	1.22	31	28068	25		38068	5					
	7	5.5	140	1.30	33	28070	25		38070	1					
	8	6.0	152	1.38	35	28072	25		38072	5					
	9	6.2	159	1.46	37	28074	25		38074	1					
	10	6.7	171	1.54	39	28076	10		38076	5					
	11	7.9	200	1.63	42	28078	10		38078	1					
	12	8.7	220	1.73	44	28080	10		38080	1					
	14	10.2	260	2.15	55	-	-		38084	1					
	17	11.0	280	2.42	61	-	-		38086	1					
19	11.6	295	2.70	69	-	-		38088	1						

Did you know...?

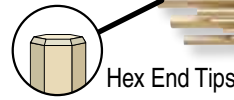
Protanium® Steel tools are up to 20% stronger than competitor tools made from standard grades of steel.

Hex End L-Wrenches

- GoldGuard™ Finish -

- Chamfered tool tips eliminate burrs and help tools seat in screw head
- Sharp corners transfer more torque to the screw and reduce stripping
- Precision machined for ease of use and superior fit

GoldGuard™ finish.
Real 14 karat Gold

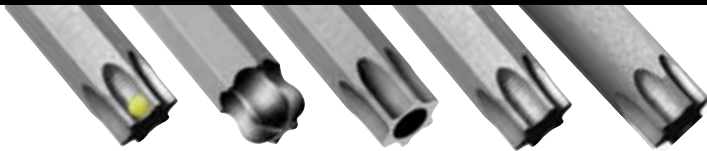


L-Wrenches

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	38138	HLX10G	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	38136	HLX12G	12	Long	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"	1	
	38137	HLX13G	13	Long	.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"	1	
	38238	HLX10SG	10	Short	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	38236	HLX12SG	12	Short	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"	1	
	38237	HLX13SG	13	Short	.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"	1	
Metric	39146	HLX6MG	6	Long	1.5, 2, 2.5, 3, 4, 5mm	1	
	39192	HLX7MG	7	Long	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	39199	HLX9MG	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	39195	HLX15MG	15	Long	1.27, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm	1	
	38246	HLX6MSG	6	Short	1.5, 2, 2.5, 3, 4, 5mm	1	
	38292	HLX7MSG	7	Short	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	38299	HLX9MSG	9	Short	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	

		SINGLE PACKAGING		BULK		TAGGED / BARCODED				SINGLE PACKAGING		BULK		TAGGED / BARCODED				
		SINGLE PACKAGING		BULK		TAGGED / BARCODED				SINGLE PACKAGING		BULK		TAGGED / BARCODED				
Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA	
Inch	Long									Short								
	.028	2.6	66	0.22	6	28100	50			38100	10			28200	50		38200	10
	.035	2.7	68	0.34	9	28101	50			38101	10			28201	50		38201	10
	.050	2.8	72	0.53	13	28102	50			38102	10			28202	50		38202	10
	1/16	3.0	76	0.56	14	28103	50			38103	10			28203	50		38203	10
	5/64	3.2	81	0.61	15	28104	50			38104	10			28204	50		38204	10
	3/32	3.4	86	0.65	16	28105	50			38105	10			28205	50		38205	10
	7/64	3.6	90	0.70	18	28106	50			38106	10			28206	50		38206	10
	1/8	3.8	95	0.75	19	28107	50			38107	10			28207	50		38207	10
	9/64	4.0	101	0.80	20	28108	50			38108	10			28208	50		38208	10
	5/32	4.2	107	0.84	21	28109	50			38109	10			28209	50		38209	10
	3/16	4.5	114	0.94	24	28110	50			38110	10			28210	50		38210	10
	7/32	4.9	124	1.03	26	28111	25			38111	5			28211	25		38211	5
	1/4	5.3	133	1.13	29	28112	25			38112	5			28212	25		38212	5
	5/16	6.0	152	1.25	32	28113	25			38113	5			28213	25		38213	5
	3/8	6.8	171	1.38	35	28114	25			38114	5			28214	25		38214	5
	7/16	7.5	191	1.50	38	-	-			38115	1			-	-		38215	1
	1/2	8.3	210	1.63	41	-	-			38116	1			-	-		38216	1
9/16	9.0	229	1.75	44	-	-			38117	1			-	-		38217	1	
5/8	9.8	248	1.88	48	-	-			38118	1			-	-		38218	1	
3/4	11.3	286	2.13	54	-	-			38119	1			-	-		38219	1	
Metric	Long									Short								
	.71	2.6	66	0.22	6	29147	50			39147	10			28247	50		38247	10
	.89	2.7	68	0.34	9	29148	50			39148	10			28248	50		38248	10
	1.27	2.8	72	0.53	13	29149	50			39149	10			28249	50		38249	10
	1.5	3.0	77	0.53	14	29150	50			39150	10			28250	50		38250	10
	2.0	3.2	82	0.61	16	29152	50			39152	10			28252	50		38252	10
	2.5	3.5	88	0.69	17	29154	50			39154	10			28254	50		38254	10
	3.0	3.9	98	0.75	19	29156	50			39156	10			28256	50		38256	10
	3.5	3.9	100	0.85	21	29158	50			39158	1			28258	50		38258	1
	4.0	4.3	110	0.87	22	29160	50			39160	10			28260	50		38260	10
	4.5	4.5	114	1.00	25	29162	50			39162	1			28262	50		38262	1
	5.0	4.7	119	1.06	27	29164	50			39164	5			28264	50		38264	5
	5.5	4.9	124	1.14	29	29166	25			39166	1			28266	25		38266	1
	6	5.5	139	1.22	31	29168	25			39168	5			28268	25		38268	5
	7	5.5	140	1.30	33	29170	25			39170	1			28270	25		38270	1
	8	6.0	152	1.38	35	29172	25			39172	5			28272	25		38272	5
	9	6.2	159	1.46	37	29174	25			39174	1			28274	25		38274	1
	10	6.7	171	1.54	39	29176	10			39176	5			28276	10		38276	5
11	7.9	200	1.63	42	29178	10			39178	1			28278	10		38278	1	
12	8.7	220	1.73	44	29180	10			39180	1			28280	10		38280	1	
14	10.2	260	2.15	55	-	-			39184	1			-	-		38284	1	
17	11.0	280	2.42	61	-	-			39186	1			-	-		38286	1	
19	11.6	295	2.70	69	-	-			39188	1			-	-		38288	1	

Star Tip Tools



- Fits TORX® brand screws
- Fits in both Star and Star Plus fasteners
- A full range of tip sizes from T5 to T100
- The only Star Tip tools made with Protanium® steel



Color Coded

■ Star



Bondhus Star Tip Tools

Bondhus Star Tip tools are made to the same high standards as every tool we make. Our Star Tip tools are precision machined, available in several handle and tip types, and are the only Star Tip tools made from Protanium® High Torque Steel. Bondhus Star Tip and Star Plus Tip tools fit TORX® brand screws.



L-Wrenches 23-24



Wing and Flag Tools 25



Fold Ups 28-29



T-Handles 35



Screwdrivers 40-41



Socket Bits 49



High Torque Steel:

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

FINISH OPTIONS:



Corrosion-resistant finish:

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

*TORX® is a registered trademark of Acument Intellectual Properties, LLC

Star Tip L-Wrenches

- ProGuard™ Finish -

- Fits all Star and TORX® brand screws
- Burr free tool tips help tools seat fully in screw head
- Precision machined tips transfer more torque to the screw and reduces stripping

ProGuard™ finish delivers superior corrosion protection



Star Tips

L-Wrenches

Tools are in color coded cases for easy recognition
Green=Star

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Star	31832	TLX8S	8	Long	T6, T7, T8, T9, T10, T15, T20, T25	1	
	31834	TLX8	8	Long	T9, T10, T15, T20, T25, T27, T30, T40	1	
	31732	TLXS8S	8	Short	T6, T7, T8, T9, T10, T15, T20, T25	1	
	31734	TLXS8	8	Short	T9, T10, T15, T20, T25, T27, T30, T40	1	
	12699	TLX9S	9	Short	T10, T15, T20, T25, T27, T30, T40, T45, T50 (in pouch)	1	
	31737	TLX13S	13	Short	T7, T8, T9, T10, T15, T20, T25, T27, T30, T40, T45, T50, T55 (in pouch)	1	

SINGLE PACKAGING



BULK



TAGGED/BARCODED

SINGLE PACKAGING



BULK



TAGGED/BARCODED

Singles	Long				Short				Long				Short											
	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA							
Star	T6	2.1	55	0.65	16	32806	25			31806	5			T5	0.9	23	0.65	16	32705	25			31705	5
	T7	2.4	61	0.65	16	32807	25			31807	5			T6	1.1	29	0.65	16	32706	25			31706	5
	T8	2.6	67	0.65	16	32808	25			31808	5			T7	1.4	35	0.65	16	32707	25			31707	5
	T9	2.9	74	0.65	16	32809	25			31809	5			T8	1.6	42	0.65	16	32708	25			31708	5
	T10	3.2	80	0.73	19	32810	25			31810	5			T9	1.9	48	0.65	16	32709	25			31709	5
	T15	3.3	84	0.78	20	32815	25			31815	5			T10	2.2	55	0.73	19	32710	25			31710	5
	T20	3.6	91	0.78	20	32820	25			31820	5			T15	2.3	59	0.78	20	32715	25			31715	5
	T25	3.8	98	0.88	22	32825	25			31825	5			T20	2.6	66	0.78	20	32720	25			31720	5
	T27	4.2	106	0.95	24	32827	25			31827	5			T25	2.8	72	0.88	22	32725	25			31725	5
	T30	4.6	116	1.03	26	32830	25			31830	5			T27	3.2	81	0.95	24	32727	25			31727	5
	T40	4.9	125	1.11	28	32840	25			31840	5			T30	3.6	90	1.03	26	32730	25			31730	5
	T45	5.4	138	1.20	30	32845	10			31845	2			T40	3.9	99	1.11	28	32740	25			31740	5
	T50	6.2	156	1.25	32	32850	10			31850	2			T45	3.9	98	1.20	30	32745	10			31745	2
	T55	6.7	171	1.36	34	32855	10			31855	2			T50	3.8	97	1.25	32	32750	10			31750	2
	T60	7.2	182	1.75	44	32860	10			31860	2			T55	3.8	95	1.36	34	32755	10			31755	2
														T60	3.7	93	1.75	44	32760	10			31760	2

ProHold® Star Tip L-Wrenches

- ProGuard™ Finish -

- Fits all Star and TORX® brand screws
- Holds screw tight on the tool EVERY TIME
- Button is non-magnetic
- Precision machined tips transfer more torque to the screw and reduces stripping

ProGuard™ finish delivers superior corrosion protection

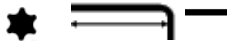


The ProHold® Star Tip holds screw securely

Tools are in color coded cases for easy recognition
Green=Star

Set	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Star	71834	PHTX8	8	Long	T9, T10, T15, T20, T25, T27, T30, T40	1	

SINGLE PACKAGING



BULK



TAGGED/BARCODED

Singles	LONG Star				LONG Star				LONG Star				
	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA
LONG Star	T9	2.9	74	0.65	16	72809	25			71809	5		
	T10	3.2	80	0.73	19	72810	25			71810	5		
	T15	3.3	84	0.78	20	72815	25			71815	5		
	T20	3.6	91	0.78	20	72820	25			71820	5		
	T25	3.8	98	0.88	22	72825	25			71825	5		
	T27	4.2	106	0.95	24	72827	25			71827	5		
	T30	4.6	116	1.03	26	72830	25			71830	5		
	T40	4.9	125	1.11	28	72840	25			71840	5		
	T45	5.4	138	1.20	30	72845	10			71845	2		
	T50	6.2	156	1.25	32	72850	10			71850	2		
	T55	6.7	171	1.36	34	72855	10			71855	2		
T60	7.2	182	1.75	44	72860	10			71860	2			

Did you know...?

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

*TORX® is a registered trademark of Acument Intellectual Properties, LLC

Made in the U.S.A.



All Bondhus® tools are made with Protanium® High Torque Steel.

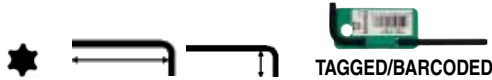
BallStar™ Tip L-Wrenches

- ProGuard™ Finish -

- Fits all Star and TORX® brand screws
- Ball End inserts into screws at a 20° angle
- Ball End saves time by quickly funneling tool into screw
- Superior Ball End strength and working angle
- Works in hard to reach places



Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Star	11346	LTX6	6	Long	T6, T7, T8, T9, T10, T15	1	
	11331	LTX8S	8	Long	T6, T7, T8, T9, T10, T15, T20, T25	1	
	11332	LTX8	8	Long	T9, T10, T15, T20, T25, T27, T30, T40	1	



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
LONG Star	T6	2.1	55	0.65	16	11706	5	
	T7	2.4	61	0.65	16	11707	5	
	T8	2.6	67	0.65	16	11708	5	
	T9	2.9	74	0.65	16	11709	5	
	T10	3.2	80	0.73	19	11710	5	
	T15	3.3	84	0.78	20	11715	5	
	T20	3.6	91	0.78	20	11720	5	
	T25	3.8	98	0.88	22	11725	5	
	T27	4.2	106	0.95	24	11727	5	
	T30	4.6	116	1.03	26	11730	5	
	T40	4.9	125	1.11	28	11740	5	
	T45	5.4	138	1.20	30	11745	1	
	T50	6.2	156	1.25	32	11750	1	
T55	6.7	171	1.36	34	11755	1		

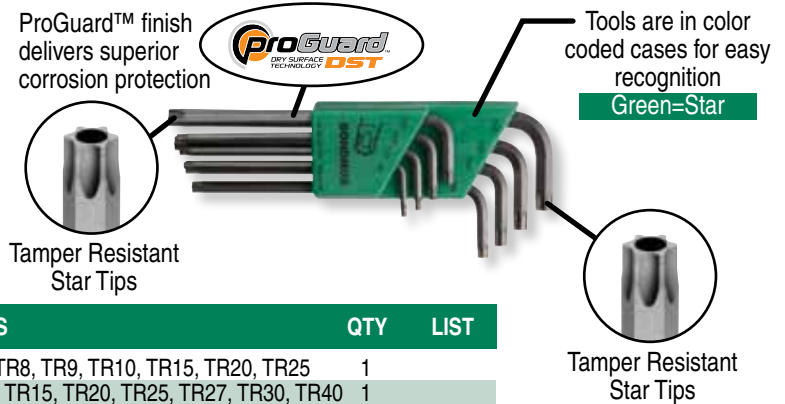
Did you know...?

BallStar™ tools work at a 20° angle; screws can be turned continuously without constantly taking the tool out of the screw, repositioning it and reinserting it, even at angles up to 20°.

Tamper Resistant Star Tip L-Wrenches

- ProGuard™ Finish -

- Fits all Star and TORX® brand tamper resistant screws
- Burr free tool tips help tools seat fully in screw head
- Precision machined tips transfer more torque to the screw and reduces stripping



Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Star	32432	TR-TL8S	8	Long	TR6, TR7, TR8, TR9, TR10, TR15, TR20, TR25	1	
	32434	TR-TL8	8	Long	TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	1	



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA	PART#	QTY	LIST EA
LONG Star	TR6	2.1	55	0.65	16	33406	25		32406	2	
	TR7	2.4	61	0.65	16	33407	25		32407	2	
	TR8	2.6	67	0.65	16	33408	25		32408	2	
	TR9	2.9	74	0.65	16	33409	25		32409	2	
	TR10	3.2	80	0.73	19	33410	25		32410	2	
	TR15	3.3	84	0.78	20	33415	25		32415	2	
	TR20	3.6	91	0.78	20	33420	25		32420	2	
	TR25	3.8	98	0.88	22	33425	25		32425	2	
	TR27	4.2	106	0.95	24	33427	25		32427	2	
	TR30	4.6	116	1.03	26	33430	25		32430	2	
	TR40	4.9	125	1.11	28	33440	25		32440	2	

Did you know...?

ProGuard® protection is a permanent solution that does not wipe off like common oil and black oxide finishes; tools remain in good condition with up to 5 times the resistance to rust and corrosion.

*TORX® is a registered trademark of Acument Intellectual Properties, LLC

Star Tip Wing Tools

- ProGuard™ Finish -

- Fits all Star, Star Plus, and TORX®* brand screws
- ComfortGrip Handles – soft rubber outer coating for maximum comfort and grip
- Burr free tool tips help tools seat fully in screw head

ProGuard™ finish delivers superior corrosion protection



Sets	PART#	MODEL#	PCS	TIP	CONTENTS	QTY	LIST
Star	34745	TWX7	7	Star	T6, T7, T8, T9, T10, T15, T20	1	
	33945	TPWX7	7	Star Plus	TP6, TP7, TP8, TP9, TP10, TP15, TP20	1	



Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Star						
	T6	1.5	39	34706	2	
	T7	1.5	39	34707	2	
	T8	1.5	39	34708	2	
	T9	1.5	39	34709	2	
	T10	1.5	39	34710	2	
	T15	1.5	39	34715	2	
	T20	1.5	39	34720	2	

Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Star Plus						
	TP6	2.0	52	33906	2	
	TP7	2.0	52	33907	2	
	TP8	2.0	52	33908	2	
	TP9	2.0	52	33909	2	
	TP10	2.0	52	33910	2	
	TP15	2.0	52	33915	2	
	TP20	2.0	52	33920	2	



33945

Star Tip Flag Tools

- ProGuard™ Finish -

- Fits all Star, Star Plus, and TORX®* brand screws
- ComfortGrip Handles – soft rubber outer coating for maximum comfort and grip
- Burr free tool tips help tools seat fully in screw head

ProGuard™ finish delivers superior corrosion protection



Sets	PART#	MODEL#	PCS	TIP	CONTENTS	QTY	LIST
Star	34445	TFX7	7	Star	T6, T7, T8, T9, T10, T15, T20	1	
	35045	TPFX7	7	Star Plus	TP6, TP7, TP8, TP9, TP10, TP15, TP20	1	



Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Star						
	T5	1.5	39	34405	2	
	T6	1.5	39	34406	2	
	T7	1.5	39	34407	2	
	T8	1.5	39	34408	2	
	T9	1.5	39	34409	2	
	T10	1.5	39	34410	2	
	T15	1.5	39	34415	2	
	T20	1.5	39	34420	2	

Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Star Plus						
	-	-	-	-	-	-
	TP6	2.0	52	35006	2	
	TP7	2.0	52	35007	2	
	TP8	2.0	52	35008	2	
	TP9	2.0	52	35009	2	
	TP10	2.0	52	35010	2	
	TP15	2.0	52	35015	2	
	TP20	2.0	52	35020	2	



34445

*TORX® is a registered trademark of Acument Intellectual Properties, LLC



All Bondhus® tools are made with Protanium® High Torque Steel.

Fold Ups



- Patented handle design makes every job faster and easier
- Durable GorillaGrip® handle is stronger than steel handles
- Tool user can adjust tool tension

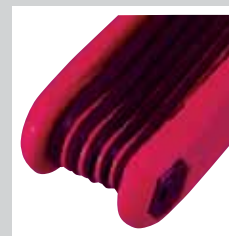
Color Coded

- Inch
- Metric
- Star
- Inch/Metric
- Motorcycle
- Utility



Designed with the Tool User in mind

A Bondhus Fold Up is a tool for life. When designing the GorillaGrip® Fold Up, Bondhus engineers eliminated the problems of the average folding tool. GorillaGrip® Fold Up tools are stronger, more comfortable and easier to use.



Patented Flutes allow for easy selection of one tool at a time.



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.



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



High Torque Steel:

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

FINISH OPTIONS:



Corrosion-resistant finish:

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



Next generation chrome finish:

Traditional plated tool look with superior protection and durability.



Real 14 karat gold finish:

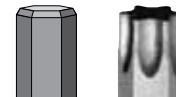
Superior protection and durability over traditional chrome and the look and shine of real gold.

GorillaGrip® Fold Up Multi Packs

- ProGuard™ Finish -

Fold Ups

- Assembled from our most popular Fold Up sets
- Multiple Fold Up sets per package
- Tip selections include Hex End and Star Tip



PART#	MODEL#	PCS	CONTENTS	QTY	LIST
12522	HF16	16	12589 (5/64-1/4") + 12587 (2-8mm)	1	
12544	HF15	15	12587 (2-8mm) + 12634 (T9-T40)	1	
12533	HF24	24	12589 (5/64-1/4") + 12587 (2-8mm) + 12634 (T9-T40)	1	

12522

Hex End GorillaGrip® Fold Ups

- ProGuard™ Finish -

- Chamfered tool tips eliminate burrs and help tools seat in screws
- World's strongest handle
- Speed-Wrench feature
- Tools open from both the top and bottom
- Molded-in 90° stop
- Patented spacers between tools



ProGuard™ finish delivers superior corrosion protection

Yellow=Inch
Red=Metric
Orange=Inch/Metric

Hex End Tips



Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Inch	12591	HF9S	9	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"	1	
	12589	HF9	9	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	12585	HF5	5	3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	12592	HF7MS	7	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	12587	HF7M	7	2, 2.5, 3, 4, 5, 6, 8mm	1	
	12595	HF6M	6	3, 4, 5, 6, 8, 10mm	1	
Inch/Metric	12550	HF12	12	5/64, 3/32, 7/64, 1/8, 9/64, 5/32" 1.5, 2, 2.5, 3, 4, 5mm	1	

Ball End GorillaGrip® Fold Ups

- ProGuard™ Finish -

- Ball End inserts into a screw at a 25° angle
- World's strongest handle
- Speed-Wrench feature
- Tools open from both the top and bottom
- Molded-in 90° stop
- Patented spacers between tools



ProGuard™ finish delivers superior corrosion protection

Yellow=Inch
Red=Metric

Ball End Tips



Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Inch	12894	BF5	5	3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	12897	BF5M	5	5, 6, 7, 8, 10mm	1	

12894

Star Tip GorillaGrip® Fold Ups

- ProGuard™ Finish -

- Fits all Star and TORX® brand screws
- World's strongest handle
- Speed-Wrench feature
- Tools open from both the top and bottom
- Molded-in 90° stop
- Patented spacers between tools



ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition
Green=Star



Star Tips

Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Star	12632	TF8S	8	T6, T7, T8, T9, T10, T15, T20, T25	1	
	12634	TF8	8	T9, T10, T15, T20, T25, T27, T30, T40	1	

Tamper Resistant GorillaGrip® Star Tip Fold Ups

- ProGuard™ Finish -

- Fits all Star and TORX® brand tamper resistant screws
- World's strongest handle
- Speed-Wrench feature
- Tools open from both the top and bottom
- Molded-in 90° stop
- Patented spacers between tools



ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition
Green=Star



Tamper Resistant Star Tips

Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Star	12636	TR-TF7S	7	TR7, TR8, TR9, TR10, TR15, TR20, TR25	1	
	12638	TR-TF8	8	TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	1	

Utility GorillaGrip® Fold Ups

- ProGuard™ Finish -

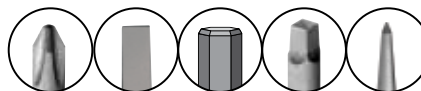
- Wide selection of tool tips
- World's strongest handle
- Speed-Wrench feature
- Tools open from both the top and bottom
- Molded-in 90° stop
- Patented spacers between tools



ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition
Teal=Utility



Five tip styles available

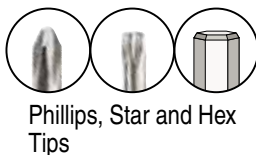
Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Utility	12540	HFU5	5	PH #1; Slotted 3/16"; Hex 4, 5, 6mm	1	
	12543	RFU5	5	PH #1, #2; Slotted 3/16"; Square #1, #2	1	
	12545	AFU5	5	PH #1, #2; Slotted 1/8, 3/16"; Awl	1	
	12547	FU5	5	PH #1, #2; Slotted 1/8, 3/16, 1/4"	1	

*TORX® is a registered trademark of Acument Intellectual Properties, LLC

Hawg Buddy GorillaGrip® Motorcycle Fold Up

- BriteGuard™ Finish -

- Designed for making all common adjustments to Harley Davidson®* motorcycles
- World's strongest handle
- Speed-Wrench feature
- Tools open from both the top and bottom
- Molded-in 90° stop



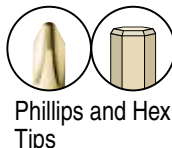
*Harley Davidson® is a Registered Trademark of Harley Davidson Motorcycles

Set	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
	12531	FUHB7	7	PH #2; Star T27, T40; Hex 5/32, 3/16, 1/4, 5/16"	1	

Cycle Buddy GorillaGrip® Motorcycle Fold Up

- GoldGuard™ Finish -

- Designed for making all common adjustments to Japanese/European motorcycles
- Fits most ATVs
- World's strongest handle
- Speed-Wrench feature
- Tools open from both the top and bottom
- Molded-in 90° stop

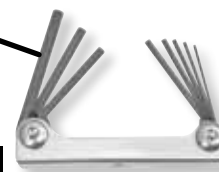


Set	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
	12594	FUCB6	6	PH #2; Hex 3, 4, 5, 6, 8mm	1	

Metal Fold Ups

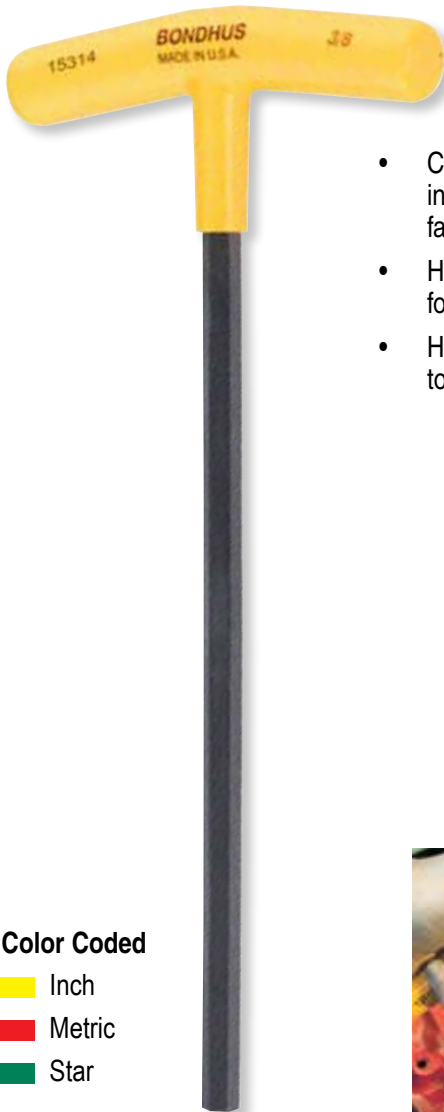
- ProGuard™ Finish -

- Chamfered tool tips eliminate burrs and help tools seat in screw head
- Sharp corners transfer torque to screw more efficiently and reduce stripping
- Precision machined for ease of use and superior fit



Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Inch	14590	MHF8	8	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1	
	14591	MHF9S	9	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"	1	
	14589	MHF9	9	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	14585	MHF5	5	3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	14592	MHF7MS	7	1.5, 2, 2.5, 3, 4, 5, 6mm	1	
	14587	MHF7M	7	2, 2.5, 3, 4, 5, 6, 8mm	1	
	14595	MHF6M	6	3, 4, 5, 6, 8, 10mm	1	
Star	14532	MTF8S	8	T6, T7, T8, T9, T10, T15, T20, T25	1	
	14534	MTF8	8	T9, T10, T15, T20, T25, T27, T30, T40	1	

T-Handles



- Cushioned, curved handle increases comfort and reduces fatigue
- Handle is welded directly to blade for a tool that will last a lifetime
- Handles are designed to match torque capacity of blade

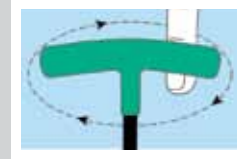
Color Coded

-  Inch
-  Metric
-  Star



A Better T-Handle

Bondhus T-Handles are built to be comfortable, strong and durable. The welded handle and blade joint guarantees a permanent connection. The form-fitting handle fits the curve of the user's hand.



The Bondhus solid steel handle is heavy duty and generates a flywheel effect for super fast insertion and removal of screws.



The Bondhus T-Handle is curved to match the shape of the hand. This design is ergonomically superior to old fashioned straight handles.



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



Bondhus is the only company to engineer our handles to match the blade's torque capacity. Tool user's can always feel confident in their tool's strength.



High Torque Steel:

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

FINISH OPTIONS:



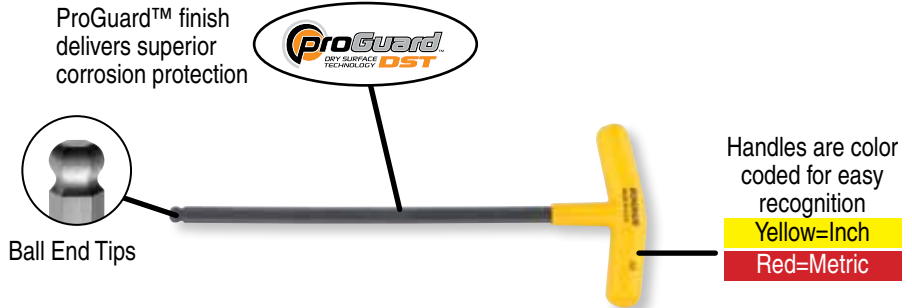
Corrosion-resistant finish:

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

Ball End T-Handles

- ProGuard™ Finish -

- Solid steel handles
- Welded handle/blade connection
- Ergonomic handle design
- Flywheel effect saves time
- Smooth, non-porous handle coating
- Handle coating extends along blade

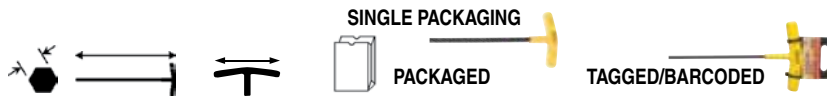


Sets	PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY	LIST
Inch	13146	BTX60	6	Graduated		5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	13190*	BTX10/S	10	Graduated	✓	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	13138*	BTX10	10	Graduated		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	13148	BTX50M	5	Graduated		4, 5, 6, 8, 10mm	1	
	13189*	BTX80M/S	8	Graduated	✓	2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	13187*	BTX80M	8	Graduated		2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



Inch/Metric	13199*	BTX9IN/MM	9	Graduated		1/8, 5/32, 3/16, 1/4, 5/16" & 3, 4, 5, 6mm	1	
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*The 3/32, 7/64, 1/8, and 9/64 inch blades, and the 2, 2.5 and 3mm blades are straight hex blades to prevent breakage.
 ✓ Comes with stand



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA	PART#	QTY	LIST EA
Inch	3/32	6.1	154	3.0	76	13205 Hex*	2		53205 Hex*	2	
	7/64	6.8	173	3.0	76	13206 Hex*	2		53206 Hex*	2	
	1/8	7.6	192	3.0	76	13207 Hex*	2		53207 Hex*	2	
	9/64	8.3	211	3.0	76	13208 Hex*	2		53208 Hex*	2	
	5/32	9.1	231	3.0	76	13109	2		53109	2	
	3/16	9.8	250	4.0	102	13110	2		53110	2	
	7/32	10.3	262	4.0	102	13111	2		53111	2	
	1/4	10.8	275	4.0	102	13112	2		53112	2	
	5/16	11.4	289	5.0	127	13113	2		53113	2	
	3/8	11.8	300	5.0	127	13114	2		53114	2	
Metric	2.0	5.9	150	3.0	76	13252 Hex*	2		53252 Hex*	2	
	2.5	6.8	172	3.0	76	13254 Hex*	2		53254 Hex*	2	
	3.0	7.7	196	3.0	76	13256 Hex*	2		53256 Hex*	2	
	4.0	8.7	220	3.0	76	13160	2		53160	2	
	5.0	9.7	246	4.0	102	13164	2		53164	2	
	6	10.5	266	4.0	102	13168	2		53168	2	
	8	11.2	285	5.0	127	13172	2		53172	2	
	10	12.1	307	5.0	127	13176	2		53176	2	



*The 3/32, 7/64, 1/8, and 9/64 inch blades, and the 2, 2.5 and 3mm blades are straight hex blades to prevent breakage.

Molded T-Handle Stands

- Extremely durable design
- Can be used free standing or wall mounted
- Sizes are clearly marked on stand
- Available in Inch, Metric, or Star configurations

PART#	DESCRIPTION	QTY	LIST EA
17936	Inch Stand	1	
17935	Metric Stand	1	
17934	Star Stand	1	



Set stand on bench or mount on wall.

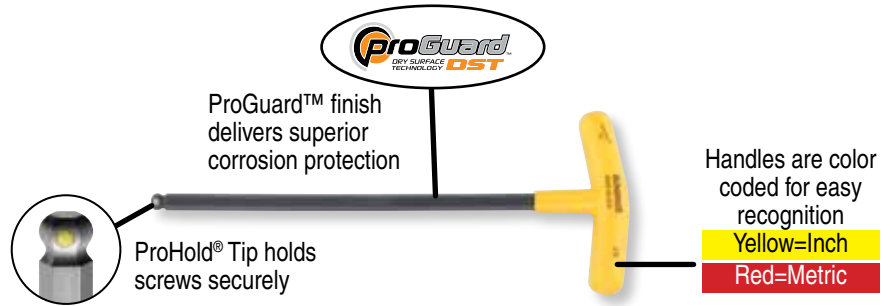
Did you know...?

Welded T-Handle handle/blade connection increases strength and provides greater resistance to breakage. The tool user will never be stabbed in the hand by a blade that has broken free and pushed through the handle.

ProHold® Tip Ball End T-Handles

- ProGuard™ Finish -

- Holds screw 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
- Solid steel handles
- Welded handle/blade connection



Sets	PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY	LIST
Inch	75146	PBTX60	6	Graduated		5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	75148	PBTX50M	5	Graduated		4, 5, 6, 8, 10mm	1	

Singles	SIZE	INCH		MM		PART#	QTY	LIST EA
		INCH	MM	INCH	MM			
Inch	5/32	9.1	231	3.0	76	75109	2	
	3/16	9.8	250	4.0	102	75110	2	
	7/32	10.3	262	4.0	102	75111	2	
	1/4	10.8	275	4.0	102	75112	2	
	5/16	11.4	289	5.0	127	75113	2	
	3/8	11.8	300	5.0	127	75114	2	
Metric	4.0	8.7	220	3.0	76	75160	2	
	5.0	9.7	246	4.0	102	75164	2	
	6	10.5	266	4.0	102	75168	2	
	8	11.2	285	5.0	127	75172	2	
	10	12.1	307	5.0	127	75176	2	



75148

Bondhus also has loop T-Handles available. Please call for price and availability.



ProHold® button holds screw tight on the tool EVERY TIME



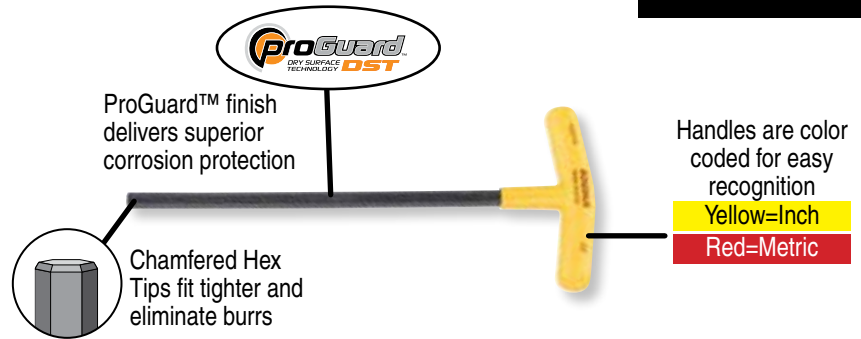
ProHold® buttons are non-magnetic and safe for use in electronic applications

Hex End T-Handle Sets

- ProGuard™ Finish -

T-Handles

- Solid steel handles
- Welded handle/blade connection
- Ergonomic handle design
- Flywheel effect saves time
- Smooth, non-porous handle coating
- Handle coating extends along blade



Sets	PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY	LIST
Inch	13332	HTX80	8	Graduated		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	15232	HTX80-6	8	6 inch		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	15332	HTX80-9	8	9 inch		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1	
	13390	HTX10/S	10	Graduated	✓	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	13338	HTX10	10	Graduated		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	15290	HTX10/S-6	10	6 inch	✓	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	15238	HTX10-6	10	6 inch		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	15390	HTX10/S-9	10	9 inch	✓	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	15338	HTX10-9	10	9 inch		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	13348	HTX60M	6	Graduated		2, 2.5, 3, 4, 5, 6mm	1	
	15248	HTX60M-6	6	6 inch		2, 2.5, 3, 4, 5, 6mm	1	
	15348	HTX60M-9	6	9 inch		2, 2.5, 3, 4, 5, 6mm	1	
	13389	HTX80M/S	8	Graduated	✓	2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	13387	HTX80M	8	Graduated		2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	15289	HTX80M/S-6	8	6 inch	✓	2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	15287	HTX80M-6	8	6 inch		2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	15389	HTX80M/S-9	8	9 inch	✓	2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	15387	HTX80M-9	8	9 inch		2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



Inch/ Metric	15299	HTX9-6IN/MM	9	6 inch		1/8, 5/32, 3/16, 1/4, 5/16" & 3, 4, 5, 6mm	1	
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✓ Comes with stand 17936 Inch or 17935 Metric



13389



13390



13348

Bondhus

Competitor



Bondhus handles are permanently welded. There is no chance the blades will ever loosen. The tool user is in no danger of the blade pushing through the top of the handle and stabbing into the palm of the hand.



The friction fit blades in competitors' T-Handles are not welded. They can loosen, slip, and even fall out or punch through the top of the handle.



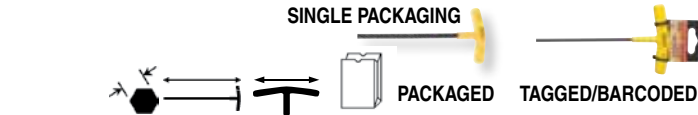
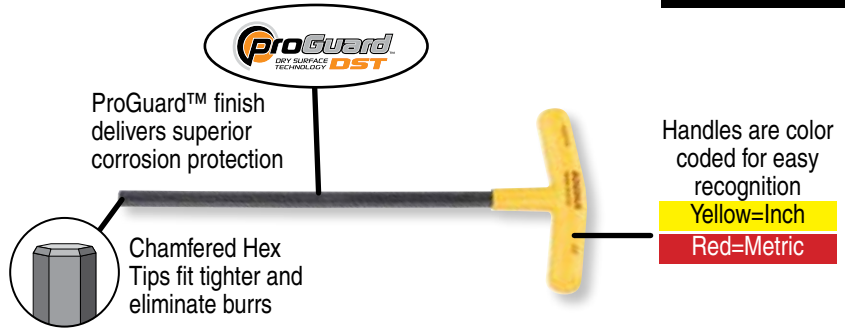
For singles see page 34

Hex End T-Handle Singles

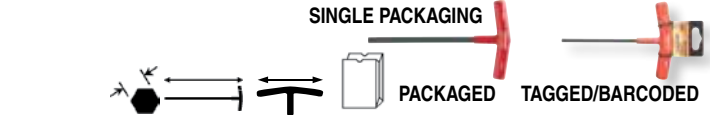
- ProGuard™ Finish -

T-Handles

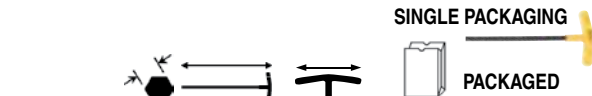
- Solid steel handles
- Welded handle/blade connection
- Ergonomic handle design
- Flywheel effect saves time
- Smooth, non-porous handle coating
- Handle coating extends along blade



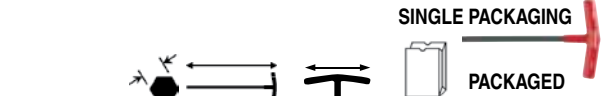
Singles		SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA
6" Length														
Inch	3/32	6.0	152	3.0	76	15205	2		45205	2				
	7/64	6.0	152	3.0	76	15206	2		45206	2				
	1/8	6.0	152	3.0	76	15207	2		45207	2				
	9/64	6.0	152	3.0	76	15208	2		45208	2				
	5/32	6.0	152	3.0	76	15209	2		45209	2				
	3/16	6.0	152	4.0	102	15210	2		45210	2				
	7/32	6.0	152	4.0	102	15211	2		45211	2				
	1/4	6.0	152	4.0	102	15212	2		45212	2				
	5/16	6.0	152	5.0	127	15213	2		45213	2				
	3/8	6.0	152	5.0	127	15214	2		45214	2				
	1/2	6.0	152	5.0	127	15216	1		45216	1				



Singles		SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA
6" Length														
Metric	2.0	6.0	152	3.0	76	15252	2		45252	2				
	2.5	6.0	152	3.0	76	15254	2		45254	2				
	3.0	6.0	152	3.0	76	15256	2		45256	2				
	4.0	6.0	152	3.0	76	15260	2		45260	2				
	5.0	6.0	152	4.0	102	15264	2		45264	2				
	6	6.0	152	4.0	102	15268	2		45268	2				
	7	6.0	152	4.0	102	15270	2		-	-				
	8	6.0	152	5.0	127	15272	2		45272	2				
	9	6.0	152	5.0	127	15274	2		-	-				
	10	6.0	152	5.0	127	15276	2		45276	2				



Singles		SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA
9" Length														
Inch	3/32	9.0	229	3.0	76	15305	2							
	7/64	9.0	229	3.0	76	15306	2							
	1/8	9.0	229	3.0	76	15307	2							
	9/64	9.0	229	3.0	76	15308	2							
	5/32	9.0	229	3.0	76	15309	2							
	3/16	9.0	229	4.0	102	15310	2							
	7/32	9.0	229	4.0	102	15311	2							
	1/4	9.0	229	4.0	102	15312	2							
	5/16	9.0	229	5.0	127	15313	2							
	3/8	9.0	229	5.0	127	15314	2							
1/2	9.0	229	5.0	127	15316	1								
Graduated Length														
	3/32	4.2	105	3.0	76	13305	2							
	7/64	4.4	112	3.0	76	13306	2							
	1/8	4.6	118	3.0	76	13307	2							
	9/64	4.9	124	3.0	76	13308	2							
	5/32	5.2	132	3.0	76	13309	2							
	3/16	5.6	141	4.0	102	13310	2							
	7/32	6.1	154	4.0	102	13311	2							
	1/4	6.5	165	4.0	102	13312	2							
	5/16	7.4	189	5.0	127	13313	2							
	3/8	8.3	211	5.0	127	13314	2							



Singles		SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA
9" Length														
Metric	2.0	9.0	229	3.0	76	15352	2							
	2.5	9.0	229	3.0	76	15354	2							
	3.0	9.0	229	3.0	76	15356	2							
	4.0	9.0	229	3.0	76	15360	2							
	5.0	9.0	229	4.0	102	15364	2							
	6	9.0	229	4.0	102	15368	2							
	8	9.0	229	5.0	127	15372	2							
	10	9.0	229	5.0	127	15376	2							
14" Length														
	3.0	14	356	3.0	76	16456	1							
	4.0	14	356	3.0	76	16460	1							
	5.0	14	356	4.0	102	16464	1							
	6	14	356	4.0	102	16468	1							
	8	14	356	5.0	127	16472	1							
Graduated Length														
	2.0	4.0	100	3.0	76	13352	2							
	2.5	4.3	110	3.0	76	13354	2							
	3.0	4.7	120	3.0	76	13356	2							
	4.0	5.3	136	3.0	76	13360	2							
	5.0	5.9	150	4.0	102	13364	2							
	6	6.8	173	4.0	102	13368	2							
	8	7.9	202	5.0	127	13372	2							
	10	9.1	232	5.0	127	13376	2							



Star Tip T-Handles

- ProGuard™ Finish -

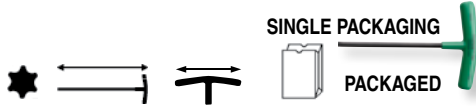
- Fits all Star and TORX® brand screws
- Solid steel handles
- Welded handle/blade connection
- Ergonomic handle design
- Flywheel effect saves time
- Smooth, non-porous handle coating

ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition
Green=Star

Set	PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY	LIST
Star	33034	TTHX8	8	Graduated	✓	T9, T10, T15, T20, T25, T27, T30, T40	1	
✓ Comes with stand 17934								



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Star	T9	6.1	155	3.0	76	33009	2	
	T10	6.4	161	3.0	76	33010	2	
	T15	6.6	168	3.0	76	33015	2	
	T20	6.9	174	3.0	76	33020	2	
	T25	7.1	180	3.0	76	33025	2	
	T27	7.4	187	4.0	102	33027	2	
	T30	7.6	193	4.0	102	33030	2	
	T40	7.9	199	4.0	102	33040	2	
	T45	8.1	206	5.0	127	33045	2	
	T50	8.4	212	5.0	127	33050	2	
T55	8.6	218	5.0	127	33055	2		

Did you know...?

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

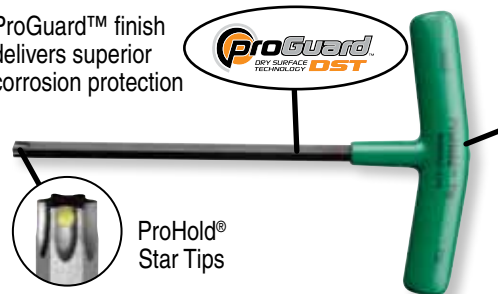


ProHold® Star Tip T-Handles

- ProGuard™ Finish -

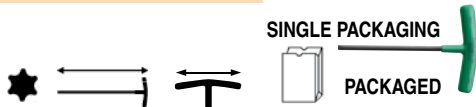
- Fits all Star and TORX® brand screws
- Holds screw tight on the tool EVERY TIME
- Button is non-magnetic
- Welded handle/blade connection

ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition
Green=Star

Set	PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY	LIST
Star	74034	PHTTHX8	8	Graduated	✓	T9, T10, T15, T20, T25, T27, T30, T40	1	
✓ Comes with stand 17934								



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Star	T9	6.1	155	3.0	76	74009	2	
	T10	6.4	161	3.0	76	74010	2	
	T15	6.6	168	3.0	76	74015	2	
	T20	6.9	174	3.0	76	74020	2	
	T25	7.1	180	3.0	76	74025	2	
	T27	7.4	187	4.0	102	74027	2	
	T30	7.6	193	4.0	102	74030	2	
	T40	7.9	199	4.0	102	74040	2	
	T45	8.1	206	5.0	127	74045	2	
	T50	8.4	212	5.0	127	74050	2	
T55	8.6	218	5.0	127	74055	2		

Did you know...?

Bondhus T-Handle tools feature an ergonomic handle design to increase user comfort and decrease hand fatigue.



*TORX® is a registered trademark of Acument Intellectual Properties, LLC

Made in the U.S.A.



All Bondhus® tools are made with Protanium® High Torque Steel.

Screwdrivers



- Ergonomic handle design greatly reduces pain and discomfort associated with repetitive tasks
- Non-slip grip generates maximum torque even when wet or oily
- Anti-roll design prevents rolling on vibrating surfaces and inclines up to 15°
- Two component ComfortGrip Handle is durable and comfortable

Color Coded

-  Inch
-  Metric
-  Star



Attention to Detail

To create a superior screwdriver, Bondhus gives great attention to detail. The ComfortGrip handle is more comfortable and features a better grip than typical screwdrivers. Bondhus is also the only company to match the size of our screwdriver handles to the screwdriver blade's maximum torque.



The Bondhus ComfortGrip handle features a durable thermoplastic core wrapped in cushioned rubber for increased comfort and torque.



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 handle helps retain grip, even when hands are wet or oily.



High Torque Steel:

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

FINISH OPTIONS:



Corrosion-resistant finish:

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



Next generation chrome finish:

Traditional plated tool look with superior protection and durability.



Real 14 karat gold finish:

Superior protection and durability over traditional chrome and the look and shine of real gold.

Ball End Screwdrivers

- ProGuard™ Finish -

- Ball End inserts into screw at a 25° angle
- Ergonomic handle design
- Non-slip grip
- Two component handle with tough inner core and cushioned rubber exterior
- Anti-roll design



ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition

Yellow=Inch
Red=Metric

Sets	PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY	LIST
Inch	10645	BSX7	7	Standard	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"	1	
	10632	BSX8S	8	Standard	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1	
	10633	BSX8	8	Standard	7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"	1	
	10637	BSX13	13	Standard	.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"	1	
	10737	BSX11L	11	Long	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	10686	BSX6M	6	Standard	1.5, 2, 2.5, 3, 4, 5mm	1	
	10687	BSX7M	7	Standard	1.27, 1.5, 2, 2.5, 3, 4, 5mm	1	
	10699	BSX9M	9	Standard	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	
	10733	BSX8ML	8	Long	2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



10637



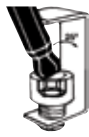
Singles	SIZE	INCH	MM	INCH	MM	PACKAGED				TAGGED/BARCODED				PACKAGED						
						PART#	QTY	LIST	EA	PART#	QTY	LIST	EA	PART#	QTY	LIST	EA			
Inch	Standard																			
	.050	2.4	60	4.1	104	10602	2			40602	2			Long						
	1/16	2.5	64	4.7	118	10603	2			40603	2			-	-	-	-	-	-	-
	5/64	2.6	67	4.8	122	10604	2			40604	2			5/64	4.3	110	6.5	164	10704	2
	3/32	2.8	71	5.2	132	10605	2			40605	2			3/32	4.8	122	7.2	184	10705	2
	7/64	2.9	74	5.3	136	10606	2			40606	2			7/64	5.9	151	8.4	212	10706	2
	1/8	3.1	80	6.6	168	10607	2			40607	2			1/8	6.4	164	9.9	252	10707	2
	9/64	3.3	83	6.8	171	10608	2			40608	2			9/64	6.9	176	10.4	264	10708	2
	5/32	3.6	91	7.9	201	10609	2			40609	2			5/32	7.4	189	11.8	299	10709	2
	3/16	3.7	94	8.0	204	10610	2			40610	2			3/16	7.9	202	12.3	312	10710	2
	7/32	4.2	107	9.0	230	10611	2			40611	2			7/32	8.4	214	13.3	337	10711	2
	1/4	5.0	126	9.8	249	10612	2			40612	2			1/4	8.9	227	13.7	349	10712	2
	5/16	5.6	142	10.4	265	10613	2			40613	2			5/16	9.5	241	14.3	364	10713	2
	3/8	6.5	164	11.3	287	10614	2			40614	2			3/8	9.9	252	14.8	376	10714	2
	7/16	7.6	194	12.5	317	10615	1			-	-			-	-	-	-	-	-	-
	1/2	8.6	217	13.4	340	10616	1			-	-			-	-	-	-	-	-	-
Metric	Standard																			
	1.27	2.4	60	4.1	104	10649	2			40649	2			-	-	-	-	-	-	-
	1.5	2.6	66	4.7	120	10650	2			40650	2			-	-	-	-	-	-	-
	2.0	2.8	72	5.0	127	10652	2			40652	2			2.0	4.0	102	6.2	157	10752	2
	2.5	2.7	69	5.1	130	10654	2			40654	2			2.5	4.3	110	6.7	171	10754	2
	3.0	3.3	83	6.7	171	10656	2			40656	2			3.0	6.2	158	9.7	247	10756	2
	3.5	3.5	88	6.9	176	10658	1			-	-			-	-	-	-	-	-	-
	4.0	3.7	95	8.1	205	10660	2			40660	2			4.0	7.0	179	11.4	288	10760	2
	4.5	4.3	109	8.6	218	10662	1			-	-			-	-	-	-	-	-	-
	5.0	4.3	109	8.6	219	10664	2			40664	2			5.0	7.8	198	12.1	308	10764	2
	5.5	5.0	126	9.3	236	10666	1			-	-			-	-	-	-	-	-	-
	6	5.4	137	10.2	260	10668	2			40668	2			6	8.6	218	13.4	341	10768	2
	7	5.7	145	10.5	268	10670	1			-	-			-	-	-	-	-	-	-
	8	6.4	162	11.2	286	10672	2			40672	2			8	9.3	237	14.2	360	10772	2
	9	6.9	175	11.7	298	10674	1			-	-			-	-	-	-	-	-	-
	10	7.3	184	12.1	307	10676	2			40676	2			10	10.2	259	15.0	382	10776	2

For Extra Long and Custom Length singles see page 38

Ball End Screwdriver Extra Long and Custom Length Singles

- ProGuard™ Finish -

- Ball End inserts into screw at a 25° angle
- Ergonomic handle design
- Non-slip grip



Ball End Tips

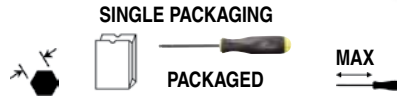
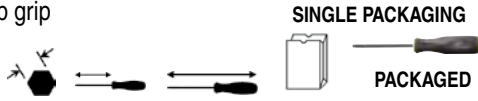
ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition

Yellow=Inch

Red=Metric



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA
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Singles	SIZE	PART#	QTY	LIST	EA	INCH	MM
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Inch	Extra Long					
	SIZE	INCH	MM	INCH	MM	PART#
	.050	11.1	283	12.8	326	3702
	1/16	11.1	281	13.2	336	3703
	5/64	11.0	279	13.2	334	3704
	3/32	11.0	279	13.4	341	3705
	7/64	10.6	270	13.0	331	3706
	1/8	10.6	270	14.1	358	3707
	9/64	10.5	267	14.0	355	3708
	5/32	10.5	267	14.8	377	3709
	3/16	10.3	260	14.6	370	3710
	7/32	10.3	260	15.1	383	3711
	1/4	10.3	260	15.1	383	3712
	5/16	10.3	260	15.1	383	3713
	3/8	10.3	260	15.1	383	3714
	7/16	10.5	267	15.3	390	3715
	1/2	10.5	267	15.3	390	3716

Inch	Custom Length					
	SIZE	PART#	QTY	LIST	EA	INCH
	.050	193102	1			≤11.1
	1/16	193103	1			≤11.1
	5/64	193104	1			≤11.0
	3/32	193105	1			≤11.0
	7/64	193106	1			≤10.6
	1/8	193107	1			≤10.6
	9/64	193108	1			≤10.5
	5/32	193109	1			≤10.5
	3/16	193110	1			≤10.3
	7/32	193111	1			≤10.3
	1/4	193112	1			≤10.3
	5/16	193113	1			≤10.3
	3/8	193114	1			≤10.3
	7/16	193115	1			≤10.5
	1/2	193116	1			≤10.5

Customer must specify an "out of handle length" equal to or less than the Extra Long out of handle length.

Metric	Extra Long					
	SIZE	INCH	MM	INCH	MM	PART#
	1.5	11.0	279	13.2	334	3750
	2.0	11.0	279	13.2	334	3752
	2.5	10.5	267	12.9	328	3754
	3.0	10.6	270	14.1	358	3756
	4.0	10.5	267	14.8	377	3760
	5.0	10.3	260	14.6	370	3764
	6	10.3	260	15.1	383	3768
	8	10.3	260	15.1	383	3772
	10	10.3	260	15.1	383	3776

Metric	Custom Length					
	SIZE	PART#	QTY	LIST	EA	INCH
	1.5	193150	1			≤11.0
	2.0	193152	1			≤11.0
	2.5	193154	1			≤10.5
	3.0	193156	1			≤10.6
	4.0	193160	1			≤10.5
	5.0	193164	1			≤10.3
	6	193168	1			≤10.3
	8	193172	1			≤10.3
	10	193176	1			≤10.3

Customer must specify an "out of handle length" equal to or less than the Extra Long out of handle length.

ProHold® Ball End Screwdrivers

- ProGuard™ Finish -

- Holds screw tight on the tool EVERY TIME
- Button is non-magnetic
- Super smooth rotational action, with no interference from the ProHold® button



ProHold® Tip holds screws securely

ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition

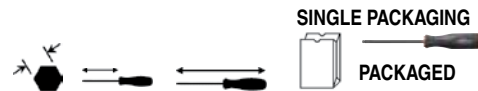
Yellow=Inch

Red=Metric

Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
------	-------	--------	-----	----------	-----	------

Inch	74632	PBSX8S	8	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1	
	74637	PBSX13	13	.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"	1	

Metric	74686	PBSX6M	6	1.5, 2, 2.5, 3, 4, 5mm	1	
	74699	PBSX9M	9	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA
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Inch	.050	2.4	60	4.1	104	74602	2		
	1/16	2.5	64	4.7	118	74603	2		
	5/64	2.6	67	4.8	122	74604	2		
	3/32	2.8	71	5.2	132	74605	2		
	7/64	2.9	74	5.3	136	74606	2		
	1/8	3.1	80	6.6	168	74607	2		
	9/64	3.3	83	6.8	171	74608	2		
	5/32	3.6	91	7.9	201	74609	2		
	3/16	3.7	94	8.0	204	74610	2		
	7/32	4.2	107	9.0	230	74611	2		
	1/4	4.7	118	9.8	249	74612	2		
	5/16	5.6	142	10.4	265	74613	2		
	3/8	6.5	164	11.3	287	74614	2		

Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST	EA
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Metric	1.27	2.4	60	4.1	104	74649	2		
	1.5	2.6	66	4.7	120	74650	2		
	2.0	2.8	72	5.0	127	74652	2		
	2.5	2.7	69	5.1	130	74654	2		
	3.0	3.3	83	6.7	171	74656	2		
	4.0	3.7	95	8.1	205	74660	2		
	5.0	4.3	109	8.6	219	74664	2		
	6	5.4	137	10.2	260	74668	2		
	8	6.4	162	11.2	286	74672	2		
	10	7.3	184	12.1	307	74676	2		

Ball End Screwdrivers - BriteGuard™ Finish -

- Ball End inserts into screw at a 25° angle
- Ergonomic handle design
- Non-slip grip
- Two component handle with tough inner core and cushioned rubber exterior
- Anti-roll design



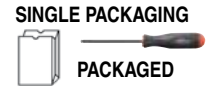
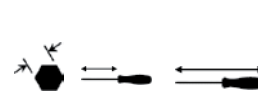
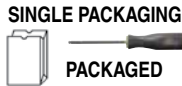
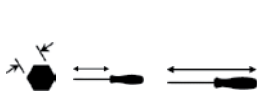
BriteGuard™ finish delivers superior corrosion protection



Ball End Tips

Handles are color coded for easy recognition
Yellow=Inch
Red=Metric

Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Inch	16632	BSX8SB	8	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1	
	16637	BSX13B	13	.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"	1	
Metric	16686	BSX6MB	6	1.5, 2, 2.5, 3, 4, 5mm	1	
	16699	BSX9MB	9	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Inch	.050	2.4	60	4.1	104	16602	2	
	1/16	2.5	64	4.7	118	16603	2	
	5/64	2.6	67	4.8	122	16604	2	
	3/32	2.8	71	5.2	132	16605	2	
	7/64	2.9	74	5.3	136	16606	2	
	1/8	3.1	80	6.6	168	16607	2	
	9/64	3.3	83	6.8	171	16608	2	
	5/32	3.6	91	7.9	201	16609	2	
	3/16	3.7	94	8.0	204	16610	2	
	7/32	4.2	107	9.0	230	16611	2	
	1/4	5.0	126	9.8	249	16612	2	
	5/16	5.6	142	10.4	265	16613	2	
	3/8	6.5	164	11.3	287	16614	2	
	7/16	7.6	194	12.5	317	16615	1	
	1/2	8.6	217	13.4	340	16616	1	

Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Metric	1.27	2.4	60	4.1	104	16649	2	
	1.5	2.6	66	4.7	120	16650	2	
	2.0	2.8	72	5.0	127	16652	2	
	2.5	2.7	69	5.1	130	16654	2	
	3.0	3.3	83	6.7	171	16656	2	
	4.0	3.7	95	8.1	205	16660	2	
	5.0	4.3	109	8.6	219	16664	2	
	6	5.4	137	10.2	260	16668	2	
	8	6.4	162	11.2	286	16672	2	
	10	7.3	184	12.1	307	16676	2	

Ball End Screwdrivers - GoldGuard™ Finish -

- Ball End inserts into screw at a 25° angle
- Ergonomic handle design
- Non-slip grip
- Two component handle with tough inner core and cushioned rubber exterior
- Anti-roll design



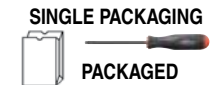
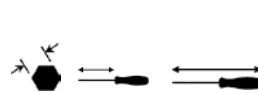
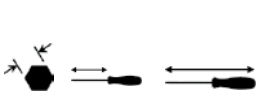
GoldGuard™ finish. Real 14 karat Gold



Ball End Tips

Handles are color coded for easy recognition
Yellow=Inch
Red=Metric

Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Inch	38632	BSX8SG	8	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1	
	38637	BSX13G	13	.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"	1	
Metric	38686	BSX6MG	6	1.5, 2, 2.5, 3, 4, 5mm	1	
	38699	BSX9MG	9	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1	



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Inch	.050	2.4	60	4.1	104	38602	2	
	1/16	2.5	64	4.7	118	38603	2	
	5/64	2.6	67	4.8	122	38604	2	
	3/32	2.8	71	5.2	132	38605	2	
	7/64	2.9	74	5.3	136	38606	2	
	1/8	3.1	80	6.6	168	38607	2	
	9/64	3.3	83	6.8	171	38608	2	
	5/32	3.6	91	7.9	201	38609	2	
	3/16	3.7	94	8.0	204	38610	2	
	7/32	4.2	107	9.0	230	38611	2	
	1/4	5.0	126	9.8	249	38612	2	
	5/16	5.6	142	10.4	265	38613	2	
	3/8	6.5	164	11.3	287	38614	2	
	7/16	7.6	194	12.5	317	38615	1	
	1/2	8.6	217	13.4	340	38616	1	

Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Metric	1.27	2.4	60	4.1	104	38649	2	
	1.5	2.6	66	4.7	120	38650	2	
	2.0	2.8	72	5.0	127	38652	2	
	2.5	2.7	69	5.1	130	38654	2	
	3.0	3.3	83	6.8	172	38656	2	
	4.0	3.7	95	8.1	205	38660	2	
	5.0	4.3	109	8.6	219	38664	2	
	6	5.4	137	10.2	260	38668	2	
	8	6.4	162	11.2	286	38672	2	
	10	7.3	184	12.1	307	38676	2	

Star Tip Screwdrivers

- ProGuard™ Finish -

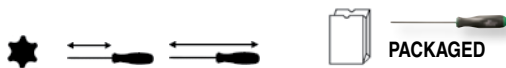
- Fits all Star and TORX®* brand screws
- Burr free tool tips help tools seat fully in screw head
- Precision machined tips transfer more torque to the screw and reduces stripping

Screwdrivers



Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Star	34532	TSX8S	8	T6, T7, T8, T9, T10, T15, T20, T25	1	
	34534	TSX8	8	T9, T10, T15, T20, T25, T27, T30, T40	1	

SINGLE PACKAGING



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Star	T5	4.0	102	6.2	156	34505	2	
	T6	4.3	108	6.4	163	34506	2	
	T7	4.5	114	6.7	169	34507	2	
	T8	4.8	121	7.2	182	34508	2	
	T9	4.9	124	7.3	186	34509	2	
	T10	5.0	128	7.4	189	34510	2	
	T15	5.1	131	8.6	219	34515	2	
	T20	5.4	138	9.8	248	34520	2	
	T25	5.7	144	10.0	253	34525	2	
	T27	5.8	147	10.6	270	34527	2	
	T30	6.0	153	10.9	276	34530	2	
	T40	6.3	159	11.1	282	34540	2	
	T45	6.5	166	11.4	289	34545	1	
	T50	6.8	172	11.6	295	34550	1	
	T55	7.0	178	11.9	301	34555	1	
	T60	7.3	185	12.1	308	34560	1	

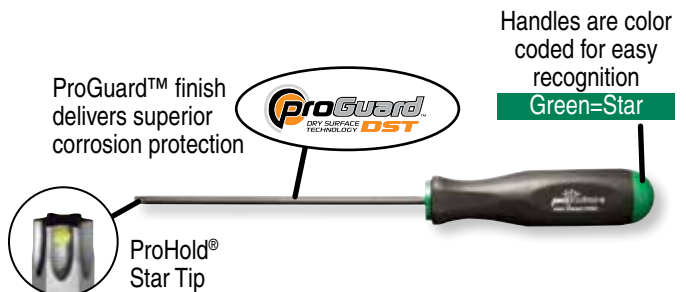
Did you know...?

ProGuard™ Dry Surface Technology is the world's best corrosion protection. The tool user does not have to work with rusty tools. ProGuard™ protection delivers up to 5 times the corrosion resistance of any other Hex or Star Tip tool finish.

ProHold® Star Tip Screwdrivers

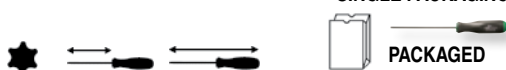
- ProGuard™ Finish -

- Fits all Star and TORX®* brand screws
- Holds screw tight on the tool EVERY TIME
- Button is non-magnetic
- Burr free tool tips help tools seat fully in screw head



Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Star	75534	PHTSX8	8	T9, T10, T15, T20, T25, T27, T30, T40	1	

SINGLE PACKAGING



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Star	T9	4.9	124	7.3	186	75509	1	
	T10	5.0	128	7.4	189	75510	1	
	T15	5.1	131	8.6	219	75515	1	
	T20	5.4	138	9.8	248	75520	1	
	T25	5.7	144	10.0	253	75525	1	
	T27	5.8	147	10.6	270	75527	1	
	T30	6.0	153	10.9	276	75530	1	
	T40	6.3	159	11.1	282	75540	1	
	T45	6.5	166	11.4	289	75545	1	
	T50	6.8	172	11.6	295	75550	1	
	T55	7.0	178	11.9	301	75555	1	
	T60	7.3	185	12.1	308	75560	1	

Did you know...?

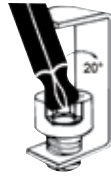
ProHold® buttons are non-magnetic and work on all fastener types. They are safe to use on sensitive equipment. They will not rust and will hold non-magnetic screws (aluminum, stainless and plastic)

*TORX® is a registered trademark of Acument Intellectual Properties, LLC

Ball Star Tip Screwdrivers

- ProGuard™ Finish -

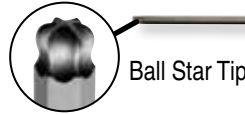
- Fits all Star and TORX® brand screws
- Ball End inserts into a screw at a 20° angle
- Ball End saves time by quickly funneling tool into screw
- Superior Ball End strength and working angle
- Works in hard to reach places



ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition
Green=Star



Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Star	13546	STX6	6	T6, T7, T8, T9, T10, T15	1	
	13532	STX8	8	T9, T10, T15, T20, T25, T27, T30, T40	1	

SINGLE PACKAGING



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Star	T6	2.6	65	4.7	119	12706	2	
	T7	2.6	65	4.7	119	12707	2	
	T8	2.6	65	5.0	126	12708	2	
	T9	2.6	65	5.0	126	12709	2	
	T10	2.8	70	5.2	132	12710	2	
	T15	2.9	73	6.4	161	12715	2	
	T20	3.2	81	7.5	191	12720	2	
	T25	3.4	87	7.7	197	12725	2	
	T27	3.8	97	8.7	220	12727	2	
	T30	4.2	106	9.0	229	12730	2	
	T40	4.6	117	9.4	240	12740	2	
	T45	5.2	132	10.0	255	12745	1	
	T50	6.0	153	10.9	276	12750	1	
	T55	6.8	172	11.6	295	12755	1	

Did you know...?

BallStar™ tools work at a 20° angle; screws can be turned continuously without constantly taking the tool out of the screw, repositioning it and reinserting it, even at angles up to 20°.

Tamper Resistant Star Tip Screwdrivers

- ProGuard™ Finish -

- Fits all Star and TORX® brand tamper resistant screws
- Burr free tool tips help tools seat fully in screw head
- Precision machined tips transfer more torque to the screw and reduces stripping

ProGuard™ finish delivers superior corrosion protection



Handles are color coded for easy recognition
Green=Star



Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Star	33832	TR-SX8S	8	TR6, TR7, TR8, TR9, TR10, TR15, TR20, TR25	1	
	33834	TR-SX8	8	TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	1	

SINGLE PACKAGING



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
Star	TR6	4.3	108	6.4	163	33806	1	
	TR7	4.5	114	6.7	169	33807	1	
	TR8	4.8	121	7.2	182	33808	1	
	TR9	4.9	124	7.3	186	33809	1	
	TR10	5.0	128	7.4	189	33810	1	
	TR15	5.1	131	8.6	219	33815	1	
	TR20	5.4	138	9.8	248	33820	1	
	TR25	5.7	144	10.0	253	33825	1	
	TR27	5.8	147	10.6	270	33827	1	
	TR30	6.0	153	10.9	276	33830	1	
	TR40	6.3	159	11.1	282	33840	1	

Did you know...?

Bondhus' ergonomic handle design greatly reduces fatigue associated with repetitive tasks and the application of torque.

*TORX® is a registered trademark of Acument Intellectual Properties, LLC

Made in the U.S.A.



All Bondhus® tools are made with Protanium® High Torque Steel.

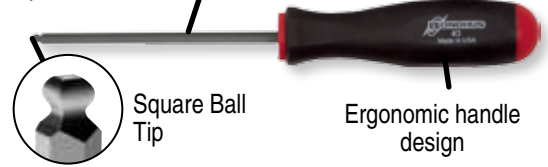
Square Ball End Screwdrivers

- ProGuard™ Finish -

- Ball End inserts into a screw at a 25° angle
- Ball End saves time by quickly funneling tool into screw
- Two component handle with tough inner core and cushioned rubber exterior
- Non-slip grip
- Anti-roll design



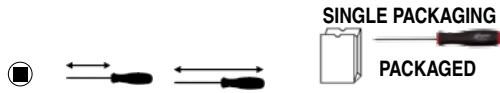
ProGuard™ finish delivers superior corrosion protection



Square Ball Tip

Ergonomic handle design

Set	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
	11640	BRX4	4	SQ0, SQ1, SQ2, SQ3	1	



Singles	SIZE	INCH	MM	INCH	MM	PART#	QTY	LIST EA
	SQ0	3.5	90	7.0	178	11600	2	
	SQ1	3.8	95	7.2	183	11601	2	
	SQ2	4.0	102	8.3	212	11602	2	
	SQ3	4.0	102	8.3	212	11603	2	
	SQ4	4.5	115	8.8	225	11604	2	

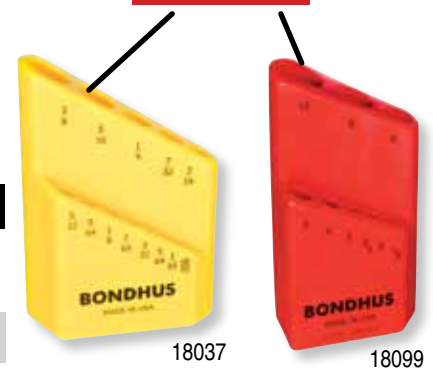


Bondhex™ Cases

- Provides a convenient means of keeping L-Wrenches neat and organized
- Sizes are printed on the case for quick tool selection
- Case can be used in conjunction with the tool to increase torque

	PART#	FITS SIZES	QTY	LIST
Inch	18032	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	10	
	18036	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"	10	
	18037	.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"	10	
	18038	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	10	
	18045	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"	10	
Metric	18046	1.5, 2, 2.5, 3, 4, 5mm	10	
	18099	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	10	

Yellow=Inch
Red=Metric



About the Bondhex™ Case For Ball End, Hex and Star Tip L-Wrenches

Bondhus Ball End, Hex and Star key sets are packed in a color coded Bondhex™ case to keep tools neat and sorted. A simple 60 degree turn locks keys in place to eliminate loose, spilled and lost keys. Tool sizes are clearly printed beneath each tool for quick size selection. A Bondhex™ case can also be used with a hex key to increase grip and comfortably generate additional torque.

Most Bondhus L-Wrench sets come standard with our Bondhex™ case.



Hollow Shaft Nut Drivers

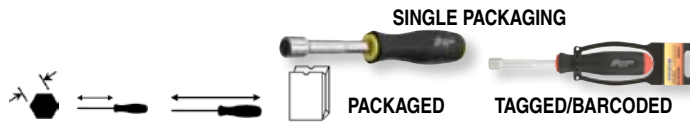
Nut Drivers

- Hexagonal upper shaft for use with a wrench for increased torque
- Ergonomic handle design
- Non-slip grip
- Anti-roll handle
- High strength chrome plated shaft



Handles are color coded for easy recognition
Yellow=Inch
Red=Metric

Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Inch	48445	BNX7	7	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2"	1	
Metric	48492	BNX7M	7	6, 7, 8, 9, 10, 11, 12mm	1	
	48496	BNX7ML	7	6, 7, 8, 9, 10, 11, 13mm	1	



Singles	SIZE	INCH	MM	INCH	MM	PACKAGED			TAGGED/BARCODED		
						PART#	QTY	LIST EA	PART#	QTY	LIST EA
Inch	5/32	3	76	7.3	186	38409	1		48409	1	
	3/16	3	76	7.3	186	38410	1		48410	1	
	7/32	3	76	7.3	186	38411	1		48411	1	
	1/4	3	76	7.3	186	38412	1		48412	1	
	9/32	3	76	7.3	186	38432	1		48432	1	
	5/16	3	76	7.3	186	38413	1		48413	1	
	11/32	3	76	7.3	186	38435	1		48435	1	
	3/8	3	76	7.3	186	38414	1		48414	1	
7/16	3	76	7.3	186	38415	1		48415	1		
1/2	3	76	7.3	186	38416	1		48416	1		
Metric	4.0	3	76	7.3	186	38460	1		48460	1	
	5.0	3	76	7.3	186	38464	1		48464	1	
	5.5	3	76	7.3	186	38466	1		48466	1	
	6	3	76	7.3	186	38468	1		48468	1	
	7	3	76	7.3	186	38470	1		48470	1	
	8	3	76	7.3	186	38472	1		48472	1	
	9	3	76	7.3	186	38474	1		48474	1	
	10	3	76	7.3	186	38476	1		48476	1	
	11	3	76	7.3	186	38478	1		48478	1	
	12	3	76	7.3	186	38480	1		48480	1	
	13	3	76	7.3	186	38482	1		48482	1	



48492



ClickSet™ TLD (Torque Limiting Device)

- Wide range of factory preset torque limiting handles – no adjustment needed
- When the preset torque level is reached, the mechanism slips and makes an audible “click”
- Protects from overtorquing
- Reduces fastener wear and stripping
- Reduces potential damage to carbide inserts
- Universal Star Tip for Star Plus and older style Star fasteners
- +/- 10% repeatability

Factory preset torque value

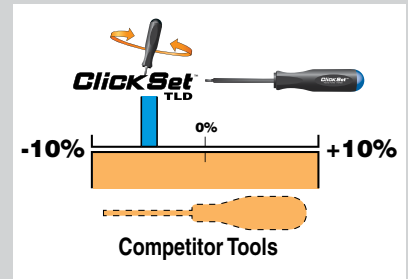
Economical solution to an expensive problem

Factory preset torque level helps prevent damage to carbide inserts.

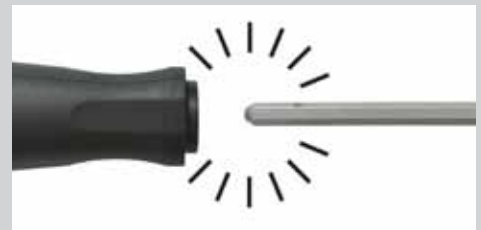
Perfect for use with aluminum and plastic screws.



Dependable Economy



A Bondhus ClickSet™ TLD tool will deliver the same torque every time. Competitor tools deliver a different torque level with every use.



Replaceable blades snap into handle, simplifying blade replacement.



Ergonomically designed handles deliver unrivaled comfort and grip.



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



The Bondhus ComfortGrip handle features a durable thermoplastic core wrapped in cushioned rubber for increased comfort and torque.



High Torque Steel:

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

FINISH OPTION:



Impermeable polymer surface:

Impermeable PTFE (with TEFLON®* material) added to finish for extra corrosion protection. Environmentally friendly finish, free of harsh chemicals, acids, and metals.

* TEFLON® is a registered trademark of E.I. du Pont de Nemours and Co.

ClickSet™ Torque Limiting Device

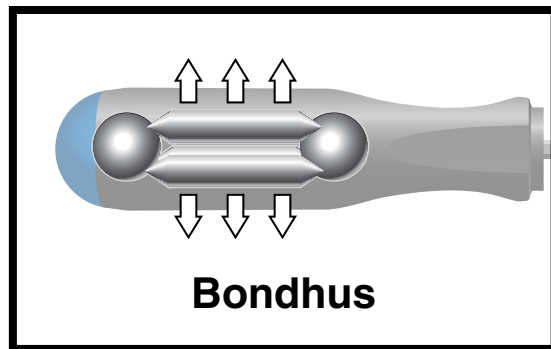
TLD
- Tuff-Kote™ Finish -

- Wide range of factory preset torque limiting handles – no adjustment needed
- When the preset torque level is reached, the mechanism slips and makes an audible “click”
- Protects from overtorquing
- Reduces fastener wear and stripping
- Reduces potential damage to carbide inserts
- Universal Star Tip for Star Plus and older style Star fasteners
- +/- 10% repeatability

Impermeable PTFE finish for extra corrosion protection.



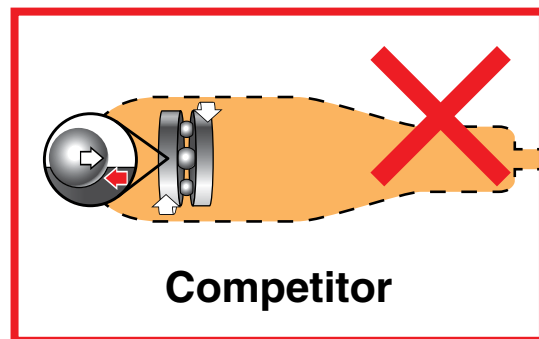
	PART #	TORQUE	QTY	LIST PRICE
Handles Only	50404	4.4 in-lb/0.5 Nm	1	
	50405	5.3 in-lb/0.6 Nm	1	
	50408	8.0 in-lb/0.9 Nm	1	
	50409	9.7 in-lb/1.1 Nm	1	
	50410	10.6 in-lb/1.2 Nm	1	
	50412	12.4 in-lb/1.4 Nm	1	
	50417	17.7 in-lb/2.0 Nm	1	
	50422	22.1 in-lb/2.5 Nm	1	
	50426	26.6 in-lb/3.0 Nm	1	
	50431	31.0 in-lb/3.5 Nm	1	



Bondhus

Bondhus ClickSet™ Torque Limiting Screwdrivers distribute the torque load along the handle, redistributing force over a larger surface for greater accuracy and longer tool life.

Blades	PART #	SIZE	QTY	LIST PRICE
Inch Hex	50102	.050"	1	
	50103	1/16"	1	
	50104	5/64"	1	
	50105	3/32"	1	
	50106	7/64"	1	
	50107	1/8"	1	
	Metric Hex	50150	1.5mm	1
50152		2.0mm	1	
50154		2.5mm	1	
50156		3.0mm	1	
Star	50205	T/IP5	1	
	50206	T/IP6	1	
	50207	T/IP7	1	
	50208	T/IP8	1	
	50209	T/IP9	1	
	50210	T/IP10	1	
	50215	T/IP15	1	



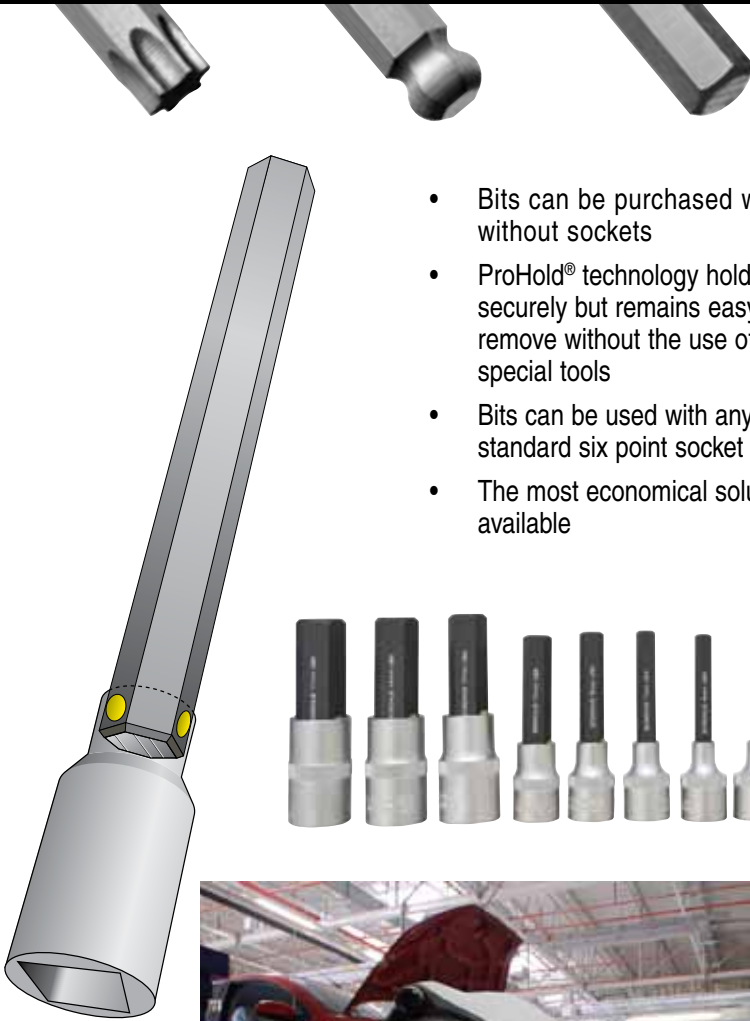
Competitor

Competitor torque limiting tools use ball bearings or teeth to carry the torque load across the handle, wearing out the mechanism quickly.

Sets	PART #	HANDLE TORQUE	BLADE TIP	QTY	LIST PRICE
Star	50004	4.4 in-lb/0.5 Nm	T/IP5	1	
	50005	5.3 in-lb/0.6 Nm	T/IP6	1	
	50008	8.0 in-lb/0.9 Nm	T/IP7	1	
	50010	10.6 in-lb/1.2 Nm	T/IP8	1	
	50012	12.4 in-lb/1.4 Nm	T/IP9	1	
	50017	22.1 in-lb/2.5 Nm	T/IP10	1	
	50026	31.0 in-lb/3.5 Nm	T/IP15	1	



Socket Bits



- Bits can be purchased with or without sockets
- ProHold® technology holds bits securely but remains easy to remove without the use of special tools
- Bits can be used with any standard six point socket
- The most economical solution available



ProHold® Socket Bit Technology

Bondhus ProHold® technology is a revolution in holding systems that makes all other holding systems obsolete. Bits seat firmly into socket. No special tools are required to remove bits from sockets.



Bit sizes are clearly printed in white ink.



ProHold® buttons hold bit securely while allowing easy removal without the use of set screws or roll pins.



Bits are suitable for use with standard or impact sockets.



High Torque Steel:

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

FINISH OPTIONS:



Corrosion-resistant finish:

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

Hex End Socket Bits

- ProGuard™ Finish -

- Bits fit any standard six point socket
- Bits are suitable for use with impact sockets
- Chamfered tool tips eliminate burrs and help tools seat in screw head
- Sharp corners transfer more torque to the screw and reduce stripping
- Precision machined for ease of use and superior fit

ProGuard™ finish delivers superior corrosion protection



Hex End Tips



Molded Black Case



Clamshell Package

Socket Bits

Sets	PART#	MODEL#	PCS	BIT LENGTH	DESCRIPTION	PACKED IN	CONTENTS	QTY	LIST
Inch	43299	PHX9/S-2	9	2"/50mm	Sockets & Bits	Transparent Clamshell	5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8"	1	
	43645	PHX5/S-6	5	6"/150mm	Sockets & Bits	Transparent Clamshell	5/16, 3/8, 1/2, 9/16, 5/8"	1	
	33299	PHX9-2	9	2"/50mm	Bits Only	Transparent Clamshell	5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8"	1	
	33645	PHX5-6	5	6"/150mm	Bits Only	Transparent Clamshell	5/16, 3/8, 1/2, 9/16, 5/8"	1	
	30299	PHX9/S-2C	9	2"/50mm	Sockets & Bits	Molded Black Case	5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8"	1	
	30645	PHX5/S-6C	5	6"/150mm	Sockets & Bits	Molded Black Case	5/16, 3/8, 1/2, 9/16, 5/8"	1	
	23299	PHX9-2C	9	2"/50mm	Bits Only	Molded Black Case	5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8"	1	

Metric	PART#	MODEL#	PCS	BIT LENGTH	DESCRIPTION	PACKED IN	CONTENTS	QTY	LIST
Metric	43298	PHX9M/S-2	9	2"/50mm	Sockets & Bits	Transparent Clamshell	4, 5, 6, 7, 8, 10, 12, 14, 17mm	1	
	43646	PHX6M/S-6	6	6"/150mm	Sockets & Bits	Transparent Clamshell	4, 5, 6, 7, 8, 10mm	1	
	33298	PHX9M-2	9	2"/50mm	Bits Only	Transparent Clamshell	4, 5, 6, 7, 8, 10, 12, 14, 17mm	1	
	33646	PHX6M-6	6	6"/150mm	Bits Only	Transparent Clamshell	4, 5, 6, 7, 8, 10mm	1	
	30298	PHX9M/S-2C	9	2"/50mm	Sockets & Bits	Molded Black Case	4, 5, 6, 7, 8, 10, 12, 14, 17mm	1	
	30646	PHX6M/S-6C	6	6"/150mm	Sockets & Bits	Molded Black Case	4, 5, 6, 7, 8, 10mm	1	
	23246	PHX6M-2C	6	2"/50mm	Bits Only	Molded Black Case	4, 5, 6, 7, 8, 10mm	1	
	23298	PHX9M-2C	9	2"/50mm	Bits Only	Molded Black Case	4, 5, 6, 7, 8, 10, 12, 14, 17mm	1	
	23296	PHX9ML-2C	9	2"/50mm	Bits Only	Molded Black Case	5, 6, 7, 8, 10, 12, 14, 17, 19mm	1	



BIT ONLY



SOCKET AND BIT



BIT ONLY



SOCKET AND BIT

Singles	SIZE	PART#	QTY	LIST EA	PART#	QTY	DRIVE	LIST EA
Inch	2" Long		50mm Long					
	1/8	33207	1		43207	1	3/8"	
	5/32	33209	1		43209	1	3/8"	
	3/16	33210	1		43210	1	3/8"	
	7/32	33211	1		43211	1	3/8"	
	1/4	33212	1		43212	1	3/8"	
	5/16	33213	1		43213	1	3/8"	
	3/8	33214	1		43214	1	3/8"	
	1/2	33216	1		43216	1	1/2"	
	9/16	33217	1		43217	1	1/2"	
	5/8	33218	1		43218	1	1/2"	
	3/4	33219	1		43219	1	1/2"	
	Inch	2.5" Long		65mm Long				
7/8		33220	1		-	-	-	
1		33221	1		-	-	-	
1 1/8		33223	1		-	-	-	
1 1/4		33225	1		-	-	-	
1 1/2		33229	1		-	-	-	
1 3/4		33231	1		-	-	-	
2	33233	1		-	-	-		
Inch	6" Long		150mm Long					
	1/8	33607	1		43507	1	3/8"	
	5/32	33609	1		43509	1	3/8"	
	3/16	33610	1		43510	1	3/8"	
	7/32	33611	1		43511	1	3/8"	
	1/4	33612	1		43512	1	3/8"	
	5/16	33613	1		43513	1	3/8"	
	3/8	33614	1		43514	1	3/8"	
	5/16	-	-		43613	1	1/2"	
	3/8	-	-		43614	1	1/2"	
	1/2	33616	1		43616	1	1/2"	
	9/16	33617	1		43617	1	1/2"	
	5/8	33618	1		43618	1	1/2"	
3/4	33619	1		43619	1	1/2"		

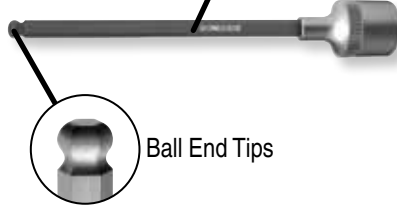
Singles	SIZE	PART#	QTY	LIST EA	PART#	QTY	DRIVE	LIST EA
Metric	2" Long		50mm Long					
	3.0	33256	1		43256	1	3/8"	
	4.0	33260	1		43260	1	3/8"	
	5.0	33264	1		43264	1	3/8"	
	6	33268	1		43268	1	3/8"	
	7	33270	1		43270	1	3/8"	
	8	33272	1		43272	1	3/8"	
	9	33274	1		43274	1	3/8"	
	10	33276	1		43276	1	3/8"	
	12	33280	1		43280	1	1/2"	
	14	33284	1		43284	1	1/2"	
	17	33286	1		43286	1	1/2"	
	19	33288	1		43288	1	1/2"	
Metric	2.5" Long		65mm Long					
	22	33291	1		-	-	-	
	24	33293	1		-	-	-	
	27	33295	1		-	-	-	
	32	33297	1		-	-	-	
	36	33200	1		-	-	-	
Metric	6" Long		150mm Long					
	3.0	33656	1		43656	1	3/8"	
	4.0	33660	1		43660	1	3/8"	
	5.0	33664	1		43664	1	3/8"	
	6	33668	1		43668	1	3/8"	
	7	33670	1		43670	1	3/8"	
	8	33672	1		43672	1	3/8"	
	9	33674	1		43674	1	3/8"	
	10	33676	1		43676	1	3/8"	
	12	33680	1		43680	1	1/2"	
	14	33684	1		43684	1	1/2"	
	17	33686	1		43686	1	1/2"	
	19	33688	1		43688	1	1/2"	

Ball End Socket Bits

- ProGuard™ Finish -

- Bits fit any standard six point socket
- Ball End inserts into a screw at a 25° angle
- Ball End saves time by quickly funneling tool into screw
- Superior Ball End strength and working angle

ProGuard™ finish delivers superior corrosion protection



Ball End Tips



Molded Black Case



Clamshell Package

Sets	PART#	MODEL#	PCS	BIT LENGTH	DESCRIPTION	PACKED IN	CONTENTS	QTY	LIST
Inch	43445	PHBX7/S-2	7	2"/50mm	Sockets & Bits	Transparent Clamshell	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	43845	PHBX7/S-6	7	6"/150mm	Sockets & Bits	Transparent Clamshell	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	31445	PHBX7-2	7	2"/50mm	Bits Only	Transparent Clamshell	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	31645	PHBX7-6	7	6"/150mm	Bits Only	Transparent Clamshell	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	30445	PHBX7/S-2C	7	2"/50mm	Sockets & Bits	Molded Black Case	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	30845	PHBX7/S-6C	7	6"/150mm	Sockets & Bits	Molded Black Case	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
	23445	PHBX7-2C	7	2"/50mm	Bits Only	Molded Black Case	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1	
Metric	43487	PHBX8M/S-2	8	2"/50mm	Sockets & Bits	Transparent Clamshell	3, 4, 5, 6, 7, 8, 9, 10mm	1	
	43887	PHBX8M/S-6	8	6"/150mm	Sockets & Bits	Transparent Clamshell	3, 4, 5, 6, 7, 8, 9, 10mm	1	
	31487	PHBX8M-2	8	2"/50mm	Bits Only	Transparent Clamshell	3, 4, 5, 6, 7, 8, 9, 10mm	1	
	31687	PHBX8M-6	8	6"/150mm	Bits Only	Transparent Clamshell	3, 4, 5, 6, 7, 8, 9, 10mm	1	
	30487	PHBX8M/S-2C	8	2"/50mm	Sockets & Bits	Molded Black Case	3, 4, 5, 6, 7, 8, 9, 10mm	1	
	30887	PHBX8M/S-6C	8	6"/150mm	Sockets & Bits	Molded Black Case	3, 4, 5, 6, 7, 8, 9, 10mm	1	
	23487	PHBX8M-2C	8	2"/50mm	Bits Only	Molded Black Case	3, 4, 5, 6, 7, 8, 9, 10mm	1	



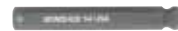
BIT ONLY



SOCKET AND BIT



BIT ONLY



SOCKET AND BIT

Singles

SIZE	PART#	QTY	LIST EA	PART#	QTY	DRIVE	LIST EA
2" Long		50mm Long					
Inch	1/8	31407	1	43407	1	3/8"	
	5/32	31409	1	43409	1	3/8"	
	3/16	31410	1	43410	1	3/8"	
	7/32	31411	1	43411	1	3/8"	
	1/4	31412	1	43412	1	3/8"	
	5/16	31413	1	43413	1	3/8"	
	3/8	31414	1	43414	1	3/8"	
	5/16	-	-	43913	1	1/2"	
	3/8	-	-	43914	1	1/2"	
	1/2	31416	1	43916	1	1/2"	
	9/16	31417	1	43917	1	1/2"	
	5/8	31418	1	43918	1	1/2"	
	3/4	31419	1	43919	1	1/2"	
	6" Long		150mm Long				
Inch	1/8	31607	1	43807	1	3/8"	
	5/32	31609	1	43809	1	3/8"	
	3/16	31610	1	43810	1	3/8"	
	7/32	31611	1	43811	1	3/8"	
	1/4	31612	1	43812	1	3/8"	
	5/16	31613	1	43813	1	3/8"	
	3/8	31614	1	43814	1	3/8"	
	1/2	31616	1	43716	1	1/2"	
	9/16	31617	1	43717	1	1/2"	
	5/8	31618	1	43718	1	1/2"	
3/4	31619	1	43719	1	1/2"		

Singles

SIZE	PART#	QTY	LIST EA	PART#	QTY	DRIVE	LIST EA
2" Long		50mm Long					
Metric	3.0	31456	1	43456	1	3/8"	
	4.0	31460	1	43460	1	3/8"	
	5.0	31464	1	43464	1	3/8"	
	6	31468	1	43468	1	3/8"	
	7	31470	1	43470	1	3/8"	
	8	31472	1	43472	1	3/8"	
	9	31474	1	43474	1	3/8"	
	10	31476	1	43476	1	3/8"	
	12	31480	1	43480	1	3/8"	
	12	-	-	43980	1	1/2"	
	14	31484	1	43984	1	1/2"	
	17	31486	1	43986	1	1/2"	
	19	31488	1	43988	1	1/2"	
	6" Long		150mm Long				
Metric	3.0	31656	1	43856	1	3/8"	
	4.0	31660	1	43860	1	3/8"	
	5.0	31664	1	43864	1	3/8"	
	6	31668	1	43868	1	3/8"	
	7	31670	1	43870	1	3/8"	
	8	31672	1	43872	1	3/8"	
	9	31674	1	43874	1	3/8"	
	10	31676	1	43876	1	3/8"	
	12	31680	1	43780	1	1/2"	
	14	31684	1	43784	1	1/2"	
17	31686	1	43786	1	1/2"		
19	31688	1	43788	1	1/2"		

Star Tip Socket Bits

- ProGuard™ Finish -

- Fits all Star and TORX® brand screws
- Bits fit any standard six point socket
- Bits are suitable for use with impact sockets
- Burr free tool tips help tools seat fully in screw head
- Precision machined tips transfer more torque to the screw and reduces stripping

ProGuard™ finish delivers superior corrosion protection



Star Tips



Molded Black Case



Clamshell Package

Star & Metric Hex

PART#	MODEL#	PCS	BIT LENGTH	DESCRIPTION	PACKED IN	CONTENTS	QTY	LIST
23290	PHTXH7-2C	7	2"/50mm	Bits Only	Molded Black Case	T45, T50, T55 & 12, 14, 17, 19mm	1	

Sets	PART#	MODEL#	PCS	BIT LENGTH	DESCRIPTION	PACKED IN	CONTENTS	QTY	LIST
Star	44038	PHTX10/S-2	10	2"/50mm	Sockets & Bits	Transparent Clamshell	T10, T15, T20, T25, T27, T30, T40, T45, T50, T55	1	
	44037	PHTX13/S-2	13	2"/50mm	Sockets & Bits	Transparent Clamshell	T8, T10, T15, T20, T25, T27, T30, T40, T45, T47, T50, T55, T60	1	
	44699	PHTX9/S-6	9	6"/150mm	Sockets & Bits	Transparent Clamshell	T8, T9, T10, T15, T20, T25, T27, T30, T40	1	
	44632	PHTX8/S-6	8	6"/150mm	Sockets & Bits	Transparent Clamshell	T8, T10, T15, T20, T25, T27, T30, T40	1	
	32038	PHTX10-2	10	2"/50mm	Bits Only	Transparent Clamshell	T10, T15, T20, T25, T27, T30, T40, T45, T50, T55	1	
	32037	PHTX13-2	13	2"/50mm	Bits Only	Transparent Clamshell	T8, T10, T15, T20, T25, T27, T30, T40, T45, T47, T50, T55, T60	1	
	34099	PHTX9-6	9	6"/150mm	Bits Only	Transparent Clamshell	T8, T9, T10, T15, T20, T25, T27, T30, T40	1	
	34032	PHTX8-6	8	6"/150mm	Bits Only	Transparent Clamshell	T8, T10, T15, T20, T25, T27, T30, T40	1	
	31038	PHTX10/S-2C	10	2"/50mm	Sockets & Bits	Molded Black Case	T10, T15, T20, T25, T27, T30, T40, T45, T50, T55	1	
	30799	PHTX9/S-6C	9	6"/150mm	Sockets & Bits	Molded Black Case	T8, T9, T10, T15, T20, T25, T27, T30, T40	1	
	31037	PHTX13/S-2C	13	2"/50mm	Sockets & Bits	Molded Black Case	T8, T10, T15, T20, T25, T27, T30, T40, T45, T47, T50, T55, T60	1	
	22489	PHTX9L-2C	9	2"/50mm	Bits Only	Molded Black Case	T15, T20, T25, T30, T40, T45, T50, T55, T60	1	
	22491	PHTX9-2C	9	2"/50mm	Bits Only	Molded Black Case	T8, T9, T10, T15, T20, T25, T27, T30, T40	1	
	22437	PHTX13-2C	13	2"/50mm	Bits Only	Molded Black Case	T8, T10, T15, T20, T25, T27, T30, T40, T45, T47, T50, T55, T60	1	



BIT ONLY



SOCKET AND BIT



BIT ONLY



SOCKET AND BIT

Singles	SIZE	BIT STOCK	2" Long				50mm Long				SIZE	BIT STOCK	6" Long				150mm Long			
			PART#	QTY	LIST	EA	PART#	QTY	LIST	EA			PART#	QTY	LIST	EA	PART#	QTY	LIST	EA
Star	T7	3mm	32007	1		44007	1	1/4"		-	-	-	-	-	-	-	-	-	-	
	T8	3mm	32008	1		44008	1	1/4"		T8	3mm	34008	1		44608	1	1/4"		-	-
	T9	3mm	32009	1		44009	1	1/4"		T9	3mm	34009	1		44609	1	1/4"		-	-
	T10	3mm	32010	1		44010	1	1/4"		T10	3mm	34010	1		44610	1	1/4"		-	-
	T15	3mm	32015	1		44015	1	1/4"		T15	3mm	34015	1		44615	1	1/4"		-	-
	T20	4mm	32020	1		44020	1	1/4"		T20	4mm	34020	1		44620	1	1/4"		-	-
	T25	4mm	32025	1		44025	1	1/4"		T25	4mm	34025	1		44625	1	1/4"		-	-
	T27	5mm	32027	1		44027	1	1/4"		T27	5mm	34027	1		44627	1	1/4"		-	-
	T30	5mm	32030	1		44030	1	1/4"		T30	5mm	34030	1		44630	1	1/4"		-	-
	T40	6mm	32040	1		44240	1	3/8"		T40	6mm	34040	1		44640	1	3/8"		-	-
	T45	7mm	32045	1		44245	1	3/8"		-	-	-	-	-	-	-	-	-	-	-
	T47	8mm	32047	1		44247	1	3/8"		-	-	-	-	-	-	-	-	-	-	-
	T50	9mm	32050	1		44250	1	3/8"		-	-	-	-	-	-	-	-	-	-	-
	T55	10mm	32055	1		44255	1	3/8"		-	-	-	-	-	-	-	-	-	-	-
	T60	12mm	32060	1		44260	1	1/2"		-	-	-	-	-	-	-	-	-	-	-
T70	17mm	32070	1		-	-	-		-	-	-	-	-	-	-	-	-	-	-	
T80	19mm	32080	1		-	-	-		-	-	-	-	-	-	-	-	-	-	-	
T90*	22mm	32090*	1		-	-	-		-	-	-	-	-	-	-	-	-	-	-	
T100*	22mm	32000*	1		-	-	-		-	-	-	-	-	-	-	-	-	-	-	

*32090 (T90) & 32000 (T100) are 2.5" long.

*TORX® is a registered trademark of Acument Intellectual Properties, LLC

Made in the U.S.A.



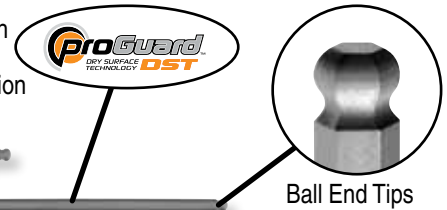
All Bondhus® tools are made with Protanium® High Torque Steel.

Ball End Blades

- ProGuard™ Finish -

- Ball End inserts into a screw at a 25° angle
- Ball End saves time by quickly funneling tool into screw
- Superior Ball End strength and working angle
- Works in hard to reach places
- Ideal for use in socket wrenches, power tools or with a Hextender for added reach
- Available in Extra Long lengths

ProGuard™ finish delivers superior corrosion protection



Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Standard Length						
Inch	.050	3.4	86	0102	1	
	1/16	3.5	89	0103	1	
	5/64	3.6	93	0104	1	
	3/32	3.8	96	0105	1	
	7/64	4.3	109	0106	1	
	1/8	4.5	115	0107	1	
	9/64	4.8	121	0108	1	
	5/32	5.1	129	0109	1	
	3/16	5.5	139	0110	1	
	7/32	5.9	151	0111	1	
	1/4	6.7	170	0112	1	
	5/16	7.3	186	0113	1	
	3/8	8.2	208	0114	1	
	7/16	9.1	232	0115	1	
	1/2	10.1	255	0116	1	
	9/16	10.9	277	0117	1	
	5/8	11.8	299	0118	1	
	3/4	13.5	344	0119	1	

Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Standard Length						
Metric	1.5	3.6	91	0150	1	
	2.0	3.8	98	0152	1	
	2.5	4.2	107	0154	1	
	3.0	4.6	118	0156	1	
	3.5	4.8	123	0158	1	
	4.0	5.2	133	0160	1	
	4.5	5.5	140	0162	1	
	5.0	5.8	148	0164	1	
	5.5	6.1	155	0166	1	
	6	6.7	170	0168	1	
	7	7.3	184	0170	1	
	8	7.8	199	0172	1	
	9	8.4	214	0174	1	
	10	9.0	229	0176	1	
	11	9.6	245	0178	1	
	12	10.5	267	0180	1	
	14	12.5	318	0184	1	
	17	13.6	346	0186	1	
	19	14.5	368	0188	1	



Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Long						
Inch	-	-	-	-	-	-
	5/64	5.3	135	0404	1	
	3/32	5.8	148	0405	1	
	7/64	7.3	186	0406	1	
	1/8	7.8	199	0407	1	
	9/64	8.4	214	0408	1	
	5/32	8.9	227	0409	1	
	3/16	9.7	246	0410	1	
	7/32	10.2	259	0411	1	
	1/4	10.7	270	0412	1	
	5/16	11.3	286	0413	1	
	3/8	11.7	297	0414	1	
	-	-	-	-	-	-
	-	-	-	-	-	-

SIZE	INCH	MM	PART#	QTY	LIST EA
Extra Long					
.050	12.0	305	3602	1	
1/16	12.0	305	3603	1	
5/64	12.0	305	3604	1	
3/32	12.0	305	3605	1	
7/64	12.0	305	3606	1	
1/8	12.0	305	3607	1	
9/64	12.0	305	3608	1	
5/32	12.0	305	3609	1	
3/16	12.0	305	3610	1	
7/32	12.0	305	3611	1	
1/4	12.0	305	3612	1	
5/16	12.0	305	3613	1	
3/8	12.0	305	3614	1	
7/16	12.0	305	3615	1	
1/2	12.0	305	3616	1	

SIZE	INCH	MM	PART#	QTY	LIST EA
Long					
-	-	-	-	-	-
2.0	5.0	128	0452	1	
2.5	5.8	148	0454	1	
3.0	7.6	193	0456	1	
4.0	8.5	217	0460	1	
5.0	9.6	243	0464	1	
6	10.4	263	0468	1	
8	11.1	281	0472	1	
10	11.9	303	0476	1	

SIZE	INCH	MM	PART#	QTY	LIST EA
Extra Long					
1.5	12.0	305	3650	1	
2.0	12.0	305	3652	1	
2.5	12.0	305	3654	1	
3.0	12.0	305	3656	1	
4.0	12.0	305	3660	1	
5.0	12.0	305	3664	1	
6	12.0	305	3668	1	
8	12.0	305	3672	1	
10	12.0	305	3676	1	

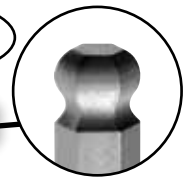
Ball End Power Bits

- ProGuard™ Finish -

- Ball End inserts into a screw at a 25° angle
- Ball End saves time by quickly funneling tool into screw
- Superior Ball End strength and working angle
- Works in hard to reach places

Bits and Blades

ProGuard™ finish delivers superior corrosion protection



Ball End Tips

Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Inch	10836	BHX12	12	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2"	1	
Metric	10899	BHX9M	9	2, 2.5, 3, 4, 5, 6, 8, 10, 12mm	1	

SINGLE PACKAGING

SINGLE PACKAGING



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

Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Metric	2.0	3.0	76	10852	10	
	2.5	3.0	76	10854	10	
	3.0	3.0	76	10856	10	
	4.0	3.0	76	10860	10	
	5.0	3.0	76	10864	10	
	6	3.0	76	10868	10	
	8	3.0	76	10872	1	
	10	3.0	76	10876	1	
	12	3.0	76	10880	1	

Hex End Power Bits

- ProGuard™ Finish -



- Chamfered tool tips eliminate burrs and help tools seat in screw head
- Sharp corners transfer more torque to the screw and reduce stripping
- Precision machined for ease of use and superior fit

ProGuard™ finish delivers superior corrosion protection



SINGLE PACKAGING

SINGLE PACKAGING



Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Inch	7/64	3.0	76	10306	10	
	1/8	3.0	76	10307	10	
	9/64	3.0	76	10308	10	
	5/32	3.0	76	10309	10	
	3/16	3.0	76	10310	10	
	7/32	3.0	76	10311	10	
	1/4	3.0	76	10312	10	
	5/16	3.0	76	10313	1	
	3/8	3.0	76	10314	1	

Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Metric	2.5	3.0	76	10354	10	
	3.0	3.0	76	10356	10	
	4.0	3.0	76	10360	10	
	5.0	3.0	76	10364	10	
	6	3.0	76	10368	10	
	8	3.0	76	10372	1	
	10	3.0	76	10376	1	

ProHold® Hex End Power Bits

- ProGuard™ Finish -



- Holds screw 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

ProGuard™ finish delivers superior corrosion protection



SINGLE PACKAGING

SINGLE PACKAGING



Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Inch	7/64	3.0	76	71306	1	
	1/8	3.0	76	71307	1	
	9/64	3.0	76	71308	1	
	5/32	3.0	76	71309	1	
	3/16	3.0	76	71310	1	
	7/32	3.0	76	71311	1	
	1/4	3.0	76	71312	1	
	5/16	3.0	76	71313	1	
	3/8	3.0	76	71314	1	

Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Metric	2.5	3.0	76	71354	1	
	3.0	3.0	76	71356	1	
	4.0	3.0	76	71360	1	
	5.0	3.0	76	71364	1	
	6	3.0	76	71368	1	
	8	3.0	76	71372	1	
	10	3.0	76	71376	1	

Made in the U.S.A.



All Bondhus® tools are made with Protanium® High Torque Steel.

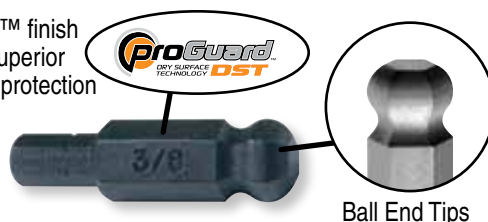
Ball End Insert Bits

- ProGuard™ Finish -

Hextenders

- Ball End inserts into a screw at a 25° angle
- Ball End saves time by quickly funneling tool into screw
- Superior Ball End strength and working angle
- Works in hard to reach places

ProGuard™ finish delivers superior corrosion protection



Ball End Tips

Sets	PART#	MODEL#	PCS	CONTENTS	QTY	LIST
Inch	11036	BIX12	12	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2"	1	
Metric	11099	BIX9M	9	2, 2.5, 3, 4, 5, 6, 8, 10, 12mm	1	

SINGLE PACKAGING



SINGLE PACKAGING



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

Singles	SIZE	INCH	MM	PART#	QTY	LIST EA
Metric	2.0	1.0	25	11052	10	
	2.5	1.0	25	11054	10	
	3.0	1.0	25	11056	10	
	4.0	1.0	25	11060	10	
	5.0	1.0	25	11064	10	
	6	1.0	25	11068	10	
	8	1.5	38	11072	1	
	10	1.5	38	11076	1	
	12	1.5	38	11080	1	

Hextenders

- Extend tool reach
- Allows blades to be coupled with Hex or Star tools
- Extra length can be achieved using multiple Hextender/Blade combinations
- ProGuard™ finish delivers superior corrosion protection

SINGLE PACKAGING



Singles	SIZE	INCH	MM	DIA	PART#	QTY	LIST EA
Inch	.050	0.50	13	0.25	22302	1	
	1/16	0.50	13	0.25	22303	1	
	5/64	0.50	13	0.25	22304	1	
	3/32	0.50	13	0.25	22305	1	
	7/64	0.50	13	0.25	22306	1	
	1/8	0.50	13	0.31	22307	1	
	9/64	0.50	13	0.31	22308	1	
	5/32	0.75	19	0.37	22309	1	
	3/16	0.75	19	0.37	22310	1	
	7/32	0.75	19	0.50	22311	1	
	1/4	0.75	19	0.50	22312	1	
	5/16	1.0	25	0.75	22313	1	
	3/8	1.0	25	0.75	22314	1	
	Metric	1.5	0.50	13	0.25	22350	1
2.0		0.50	13	0.25	22352	1	
2.5		0.50	13	0.25	22354	1	
3.0		0.50	13	0.31	22356	1	
4.0		0.75	19	0.37	22360	1	
5.0		0.75	19	0.37	22364	1	
6		0.75	19	0.50	22368	1	
8		1.0	25	0.75	22372	1	
10		1.0	25	0.75	22376	1	



Hextender attaches blades to tools

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PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA
0102	50		3604	50		10364	51		10764	37		10954	9		11708	24	
0103	50		3605	50		10368	51		10768	37		10956	9		11709	24	
0104	50		3606	50		10372	51		10772	37		10958	9		11710	24	
0105	50		3607	50		10376	51		10776	37		10960	9		11715	24	
0106	50		3608	50		10602	37		10804	51		10962	9		11720	24	
0107	50		3609	50		10603	37		10805	51		10964	9		11725	24	
0108	50		3610	50		10604	37		10806	51		10966	9		11727	24	
0109	50		3611	50		10605	37		10807	51		10968	9		11730	24	
0110	50		3612	50		10606	37		10808	51		10970	9		11740	24	
0111	50		3613	50		10607	37		10809	51		10972	9		11745	24	
0112	50		3614	50		10608	37		10810	51		10974	9		11750	24	
0113	50		3615	50		10609	37		10811	51		10976	9		11755	24	
0114	50		3616	50		10610	37		10812	51		10978	9		12100	13	
0115	50		3650	50		10611	37		10813	51		10980	9		12101	13	
0116	50		3652	50		10612	37		10814	51		10982	9		12102	13	
0117	50		3654	50		10613	37		10816	51		10984	9		12103	13	
0118	50		3656	50		10614	37		10836	51		10986	9		12104	13	
0119	50		3660	50		10615	37		10852	51		10988	9		12105	13	
0150	50		3664	50		10616	37		10854	51		10989	9		12106	13	
0152	50		3668	50		10632	37		10856	51		10991	9		12107	13	
0154	50		3672	50		10633	37		10860	51		10992	9		12108	13	
0156	50		3676	50		10637	37		10864	51		10993	9		12109	13	
0158	50		3702	38		10645	37		10868	51		10995	9		12110	13	
0160	50		3703	38		10649	37		10872	51		10999	9		12111	13	
0162	50		3704	38		10650	37		10876	51		11004	52		12112	13	
0164	50		3705	38		10652	37		10880	51		11005	52		12113	13	
0166	50		3706	38		10654	37		10899	51		11006	52		12114	13	
0168	50		3707	38		10656	37		10902	8		11007	52		12115	13	
0170	50		3708	38		10658	37		10903	8		11008	52		12116	13	
0172	50		3709	38		10660	37		10904	8		11009	52		12117	13	
0174	50		3710	38		10662	37		10905	8		11010	52		12118	13	
0176	50		3711	38		10664	37		10906	8		11011	52		12119	13	
0178	50		3712	38		10666	37		10907	8		11012	52		12120	13	
0180	50		3713	38		10668	37		10908	8		11013	52		12121	13	
0184	50		3714	38		10670	37		10909	8		11014	52		12125	13	
0186	50		3715	38		10672	37		10910	8		11016	52		12129	13	
0188	50		3716	38		10674	37		10911	8		11036	52		12132	12	
0404	50		3750	38		10676	37		10912	8		11052	52		12136	12	
0405	50		3752	38		10686	37		10913	8		11054	52		12137	12	
0406	50		3754	38		10687	37		10914	8		11056	52		12138	12	
0407	50		3756	38		10699	37		10915	8		11060	52		12145	12	
0408	50		3760	38		10704	37		10916	8		11064	52		12146	14	
0409	50		3764	38		10705	37		10917	8		11068	52		12147	15	
0410	50		3768	38		10706	37		10918	8		11072	52		12148	15	
0411	50		3772	38		10707	37		10919	8		11076	52		12149	15	
0412	50		3776	38		10708	37		10920	8		11080	52		12150	15	
0413	50		10306	51		10709	37		10921	8		11099	52		12152	15	
0414	50		10307	51		10710	37		10932	8		11331	24		12154	15	
0452	50		10308	51		10711	37		10933	8		11332	24		12156	15	
0454	50		10309	51		10712	37		10935	8		11346	24		12158	15	
0456	50		10310	51		10713	37		10936	8		11600	42		12160	15	
0460	50		10311	51		10714	37		10937	8		11601	42		12162	15	
0464	50		10312	51		10733	37		10938	8		11602	42		12164	15	
0468	50		10313	51		10737	37		10945	8		11603	42		12166	15	
0472	50		10314	51		10752	37		10946	9		11604	42		12168	15	
0476	50		10354	51		10754	37		10949	9		11640	42		12170	15	
3602	50		10356	51		10756	37		10950	9		11706	24		12172	15	
3603	50		10360	51		10760	37		10952	9		11707	24		12174	15	

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PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA
12176	15		12268	15		12706	41		13112	31		13810	13		13954	15	
12178	15		12270	15		12707	41		13113	31		13811	13		13956	15	
12180	15		12272	15		12708	41		13114	31		13812	13		13958	15	
12182	15		12274	15		12709	41		13138	31		13813	13		13960	15	
12184	15		12276	15		12710	41		13146	31		13814	13		13962	15	
12186	15		12278	15		12715	41		13148	31		13815	13		13964	15	
12188	15		12280	15		12720	41		13160	31		13816	13		13966	15	
12191	15		12282	15		12725	41		13164	31		13817	13		13968	15	
12192	14		12284	15		12727	41		13168	31		13818	13		13970	15	
12193	15		12286	15		12730	41		13172	31		13819	13		13972	15	
12195	14		12288	15		12740	41		13176	31		13847	15		13974	15	
12196	15		12291	15		12745	41		13187	31		13848	15		13976	15	
12198	15		12292	14		12750	41		13189	31		13849	15		13978	15	
12199	14		12293	15		12755	41		13190	31		13850	15		13980	15	
12200	13		12295	15		12894	27		13199	31		13852	15		13982	15	
12201	13		12296	15		12897	27		13205	31		13854	15		13984	15	
12202	13		12298	15		12902	8		13206	31		13856	15		13986	15	
12203	13		12299	14		12903	8		13207	31		13858	15		13988	15	
12204	13		12333	12		12904	8		13208	31		13860	15		14126	6	
12205	13		12335	12		12905	8		13252	31		13862	15		14128	6	
12206	13		12338	12		12906	8		13254	31		13864	15		14130	6	
12207	13		12339	12		12907	8		13256	31		13866	15		14132	6	
12208	13		12341	12		12908	8		13305	34		13868	15		14138	6	
12209	13		12342	12		12909	8		13306	34		13870	15		14170	7	
12210	13		12343	12		12910	8		13307	34		13872	15		14187	6	
12211	13		12344	12		12911	8		13308	34		13874	15		14189	6	
12212	13		12345	12		12912	8		13309	34		13876	15		14532	29	
12213	13		12347	12		12913	8		13310	34		13878	15		14534	29	
12214	13		12349	14		12914	8		13311	34		13880	15		14585	29	
12215	13		12351	12		12915	8		13312	34		13882	15		14587	29	
12216	13		12391	14		12916	8		13313	34		13884	15		14589	29	
12217	13		12392	14		12917	8		13314	34		13886	15		14590	29	
12218	13		12393	14		12918	8		13332	33		13888	15		14591	29	
12219	13		12394	14		12919	8		13338	33		13900	13		14592	29	
12220	13		12396	14		12949	9		13348	33		13901	13		14595	29	
12221	13		12397	14		12950	9		13352	34		13902	13		15205	34	
12225	13		12399	14		12952	9		13354	34		13903	13		15206	34	
12229	13		12522	27		12954	9		13356	34		13904	13		15207	34	
12231	13		12531	29		12956	9		13360	34		13905	13		15208	34	
12232	12		12533	27		12958	9		13364	34		13906	13		15209	34	
12233	13		12540	28		12960	9		13368	34		13907	13		15210	34	
12236	12		12543	28		12962	9		13372	34		13908	13		15211	34	
12237	12		12544	27		12964	9		13376	34		13909	13		15212	34	
12238	12		12545	28		12966	9		13387	33		13910	13		15213	34	
12245	12		12547	28		12968	9		13389	33		13911	13		15214	34	
12246	14		12550	27		12970	9		13390	33		13912	13		15216	34	
12247	15		12585	27		12972	9		13532	41		13913	13		15232	33	
12248	15		12587	27		12974	9		13546	41		13914	13		15238	33	
12249	15		12589	27		12976	9		13800	13		13915	13		15248	33	
12250	15		12591	27		12978	9		13801	13		13916	13		15252	34	
12252	15		12592	27		12980	9		13802	13		13917	13		15254	34	
12254	15		12594	29		12982	9		13803	13		13918	13		15256	34	
12256	15		12595	27		12984	9		13804	13		13919	13		15260	34	
12258	15		12632	28		12986	9		13805	13		13947	15		15264	34	
12260	15		12634	28		12988	9		13806	13		13948	15		15268	34	
12262	15		12636	28		13109	31		13807	13		13949	15		15270	34	
12264	15		12638	28		13110	31		13808	13		13950	15		15272	34	
12266	15		12699	23		13111	31		13809	13		13952	15		15274	34	



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PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA
15276	34		15768	9		15904	13		16064	9		16256	19		16610	39	
15287	33		15770	9		15905	13		16068	9		16258	19		16611	39	
15289	33		15772	9		15906	13		16072	9		16260	19		16612	39	
15290	33		15774	9		15907	13		16076	9		16262	19		16613	39	
15299	33		15776	9		15908	13		16099	9		16264	19		16614	39	
15305	34		15778	9		15909	13		16100	19		16266	19		16615	39	
15306	34		15780	9		15910	13		16101	19		16268	19		16616	39	
15307	34		15782	9		15911	13		16102	19		16270	19		16632	39	
15308	34		15784	9		15912	13		16103	19		16272	19		16637	39	
15309	34		15786	9		15913	13		16104	19		16274	19		16649	39	
15310	34		15788	9		15914	13		16105	19		16276	19		16650	39	
15311	34		15800	13		15915	13		16106	19		16278	19		16652	39	
15312	34		15801	13		15916	13		16107	19		16280	19		16654	39	
15313	34		15802	13		15917	13		16108	19		16284	19		16656	39	
15314	34		15803	13		15918	13		16109	19		16286	19		16660	39	
15316	34		15804	13		15919	13		16110	19		16288	19		16664	39	
15332	33		15805	13		15947	15		16111	19		16292	19		16668	39	
15338	33		15806	13		15948	15		16112	19		16299	19		16672	39	
15348	33		15807	13		15949	15		16113	19		16456	34		16676	39	
15352	34		15808	13		15950	15		16114	19		16460	34		16686	39	
15354	34		15809	13		15952	15		16115	19		16464	34		16699	39	
15356	34		15810	13		15954	15		16116	19		16468	34		16702	18	
15360	34		15811	13		15956	15		16117	19		16472	34		16703	18	
15364	34		15812	13		15958	15		16118	19		16502	11		16704	18	
15368	34		15813	13		15960	15		16119	19		16503	11		16705	18	
15372	34		15814	13		15962	15		16136	19		16504	11		16706	18	
15376	34		15815	13		15964	15		16137	19		16505	11		16707	18	
15387	33		15816	13		15966	15		16138	19		16506	11		16708	18	
15389	33		15817	13		15968	15		16200	19		16507	11		16709	18	
15390	33		15818	13		15970	15		16201	19		16508	11		16710	18	
15702	8		15819	13		15972	15		16202	19		16509	11		16711	18	
15703	8		15847	15		15974	15		16203	19		16510	11		16712	18	
15704	8		15848	15		15976	15		16204	19		16511	11		16713	18	
15705	8		15849	15		15978	15		16205	19		16512	11		16714	18	
15706	8		15850	15		15980	15		16206	19		16513	11		16737	18	
15707	8		15852	15		15982	15		16207	19		16514	11		16738	18	
15708	8		15854	15		15984	15		16208	19		16537	11		16749	18	
15709	8		15856	15		15986	15		16209	19		16538	11		16750	18	
15710	8		15858	15		15988	15		16210	19		16549	11		16752	18	
15711	8		15860	15		16002	8		16211	19		16550	11		16754	18	
15712	8		15862	15		16003	8		16212	19		16552	11		16756	18	
15713	8		15864	15		16004	8		16213	19		16554	11		16760	18	
15714	8		15866	15		16005	8		16214	19		16556	11		16764	18	
15715	8		15868	15		16006	8		16215	19		16560	11		16768	18	
15716	8		15870	15		16007	8		16216	19		16564	11		16772	18	
15717	8		15872	15		16008	8		16217	19		16568	11		16776	18	
15718	8		15874	15		16009	8		16218	19		16572	11		16792	18	
15719	8		15876	15		16010	8		16219	19		16576	11		16799	18	
15749	9		15878	15		16011	8		16236	19		16592	11		16902	17	
15750	9		15880	15		16012	8		16237	19		16599	11		16903	17	
15752	9		15882	15		16013	8		16238	19		16602	39		16904	17	
15754	9		15884	15		16014	8		16246	19		16603	39		16905	17	
15756	9		15886	15		16037	8		16247	19		16604	39		16906	17	
15758	9		15888	15		16050	9		16248	19		16605	39		16907	17	
15760	9		15900	13		16052	9		16249	19		16606	39		16908	17	
15762	9		15901	13		16054	9		16250	19		16607	39		16909	17	
15764	9		15902	13		16056	9		16252	19		16608	39		16910	17	
15766	9		15903	13		16060	9		16254	19		16609	39		16911	17	

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16913	17		17192	19		23246	47		26266	19		26906	17		27914	20	
16914	17		17195	19		23290	49		26268	19		26907	17		28049	20	
16915	17		17199	19		23296	47		26270	19		26908	17		28050	20	
16916	17		17934	31		23298	47		26272	19		26909	17		28052	20	
16917	17		17935	31		23299	47		26274	19		26910	17		28054	20	
16918	17		17936	31		23445	48		26276	19		26911	17		28056	20	
16919	17		18032	42		23487	48		26278	19		26912	17		28058	20	
16936	17		18036	42		25404	12		26280	19		26913	17		28060	20	
16937	17		18037	42		25405	12		26502	11		26914	17		28062	20	
16938	17		18038	42		25406	12		26503	11		26999	7		28064	20	
16999	17		18045	42		25407	12		26504	11		27049	17		28066	20	
17046	17		18046	42		25408	12		26505	11		27050	17		28068	20	
17049	17		18099	42		25409	12		26506	11		27052	17		28070	20	
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17052	17		20199	6		25411	12		26508	11		27056	17		28074	20	
17054	17		20399	7		25412	12		26509	11		27058	17		28076	20	
17056	17		20499	6		25445	12		26510	11		27060	17		28078	20	
17058	17		20599	6		26100	19		26511	11		27062	17		28080	20	
17060	17		20699	6		26101	19		26512	11		27064	17		28100	21	
17062	17		20899	7		26102	19		26513	11		27066	17		28101	21	
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17066	17		22302	52		26104	19		26549	11		27070	17		28103	21	
17068	17		22303	52		26105	19		26550	11		27072	17		28104	21	
17070	17		22304	52		26106	19		26552	11		27074	17		28105	21	
17072	17		22305	52		26107	19		26554	11		27076	17		28106	21	
17074	17		22306	52		26108	19		26556	11		27078	17		28107	21	
17076	17		22307	52		26109	19		26560	11		27080	17		28108	21	
17078	17		22308	52		26110	19		26564	11		27147	19		28109	21	
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17084	17		22310	52		26112	19		26572	11		27149	19		28111	21	
17086	17		22311	52		26113	19		26576	11		27150	19		28112	21	
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17092	17		22313	52		26200	19		26703	18		27154	19		28114	21	
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17099	17		22350	52		26202	19		26705	18		27158	19		28201	21	
17146	19		22352	52		26203	19		26706	18		27160	19		28202	21	
17147	19		22354	52		26204	19		26707	18		27162	19		28203	21	
17148	19		22356	52		26205	19		26708	18		27164	19		28204	21	
17149	19		22360	52		26206	19		26709	18		27166	19		28205	21	
17150	19		22364	52		26207	19		26710	18		27168	19		28206	21	
17152	19		22368	52		26208	19		26711	18		27170	19		28207	21	
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17156	19		22376	52		26210	19		26713	18		27174	19		28209	21	
17158	19		22437	49		26211	19		26714	18		27176	19		28210	21	
17160	19		22489	49		26212	19		26749	18		27178	19		28211	21	
17162	19		22491	49		26213	19		26750	18		27180	19		28212	21	
17164	19		22704	12		26214	19		26752	18		27902	20		28213	21	
17166	19		22705	12		26247	19		26754	18		27903	20		28214	21	
17168	19		22706	12		26248	19		26756	18		27904	20		28247	21	
17170	19		22707	12		26249	19		26760	18		27905	20		28248	21	
17172	19		22708	12		26250	19		26764	18		27906	20		28249	21	
17174	19		22709	12		26252	19		26768	18		27907	20		28250	21	
17176	19		22710	12		26254	19		26772	18		27908	20		28252	21	
17178	19		22711	12		26256	19		26776	18		27909	20		28254	21	
17180	19		22712	12		26258	19		26902	17		27910	20		28256	21	
17184	19		22713	12		26260	19		26903	17		27911	20		28258	21	
17186	19		22714	12		26262	19		26904	17		27912	20		28260	21	

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28266	21		31480	48		31830	23		32806	23		33291	47		33909	25	
28268	21		31484	48		31832	23		32807	23		33293	47		33910	25	
28270	21		31486	48		31834	23		32808	23		33295	47		33915	25	
28272	21		31487	48		31840	23		32809	23		33297	47		33920	25	
28274	21		31488	48		31845	23		32810	23		33298	47		33945	25	
28276	21		31607	48		31850	23		32815	23		33299	47		34008	49	
28278	21		31609	48		31855	23		32820	23		33406	16, 24		34009	49	
28280	21		31610	48		31860	23		32825	23		33407	16, 24		34010	49	
29147	21		31611	48		32000	49		32827	23		33408	16, 24		34015	49	
29148	21		31612	48		32007	49		32830	23		33409	16, 24		34020	49	
29149	21		31613	48		32008	49		32840	23		33410	16, 24		34025	49	
29150	21		31614	48		32009	49		32845	23		33415	16, 24		34027	49	
29152	21		31616	48		32010	49		32850	23		33420	16, 24		34030	49	
29154	21		31617	48		32015	49		32855	23		33425	16, 24		34032	49	
29156	21		31618	48		32020	49		32860	23		33427	16, 24		34040	49	
29158	21		31619	48		32025	49		33009	35		33430	16, 24		34099	49	
29160	21		31645	48		32027	49		33010	35		33440	16, 24		34405	25	
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29166	21		31664	48		32038	49		33025	35		33610	47		34408	25	
29168	21		31668	48		32040	49		33027	35		33611	47		34409	25	
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29176	21		31676	48		32055	49		33045	35		33616	47		34445	25	
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31419	48		31760	23		32715	23		33264	47		33820	41		34715	25	
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31456	48		31807	23		32725	23		33270	47		33827	41		34745	25	
31460	48		31808	23		32727	23		33272	47		33830	41		35006	25	
31464	48		31809	23		32730	23		33274	47		33832	41		35007	25	
31468	48		31810	23		32740	23		33276	47		33834	41		35008	25	
31470	48		31815	23		32745	23		33280	47		33840	41		35009	25	
31472	48		31820	23		32750	23		33284	47		33906	25		35010	25	

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35045	25		38112	21		38299	21		39156	21		43272	47		43780	48	
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37903	20		38114	21		38410	43		39160	21		43276	47		43786	48	
37904	20		38115	21		38411	43		39162	21		43280	47		43788	48	
37905	20		38116	21		38412	43		39164	21		43284	47		43807	48	
37906	20		38117	21		38413	43		39166	21		43286	47		43809	48	
37907	20		38118	21		38414	43		39168	21		43288	47		43810	48	
37908	20		38119	21		38415	43		39170	21		43298	47		43811	48	
37909	20		38136	21		38416	43		39172	21		43299	47		43812	48	
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38084	20		38254	21		38650	39		40672	37		43645	47		44037	49	
38086	20		38256	21		38652	39		40676	37		43646	47		44038	49	
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38101	21		38268	21		38672	39		43213	47		43672	47		44260	49	
38102	21		38270	21		38676	39		43214	47		43674	47		44608	49	
38103	21		38272	21		38686	39		43216	47		43676	47		44609	49	
38104	21		38274	21		38699	39		43217	47		43680	47		44610	49	
38105	21		38276	21		39146	21		43218	47		43684	47		44615	49	
38106	21		38278	21		39147	21		43219	47		43686	47		44620	49	
38107	21		38280	21		39148	21		43256	47		43688	47		44625	49	
38108	21		38284	21		39149	21		43260	47		43716	48		44627	49	
38109	21		38286	21		39150	21		43264	47		43717	48		44630	49	

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44640	49		48480	43		69637	5		74605	38		75706	10		193152	38	
44699	49		48482	43		69699	5		74606	38		75707	10		193154	38	
45205	34		48492	43		71306	51		74607	38		75708	10		193156	38	
45206	34		48496	43		71307	51		74608	38		75709	10		193160	38	
45207	34		50004	45		71308	51		74609	38		75710	10		193164	38	
45208	34		50005	45		71309	51		74610	38		75711	10		193168	38	
45209	34		50008	45		71310	51		74611	38		75712	10		193172	38	
45210	34		50010	45		71311	51		74612	38		75713	10		193176	38	
45211	34		50012	45		71312	51		74613	38		75714	10				
45212	34		50017	45		71313	51		74614	38		75749	10				
45213	34		50026	45		71314	51		74632	38		75750	10				
45214	34		50102	45		71354	51		74637	38		75752	10				
45216	34		50103	45		71356	51		74649	38		75754	10				
45252	34		50104	45		71360	51		74650	38		75756	10				
45254	34		50105	45		71364	51		74652	38		75760	10				
45256	34		50106	45		71368	51		74654	38		75764	10				
45260	34		50107	45		71372	51		74656	38		75768	10				
45264	34		50150	45		71376	51		74660	38		75772	10				
45268	34		50152	45		71809	23		74664	38		75776	10				
45272	34		50154	45		71810	23		74668	38		75902	10				
45276	34		50156	45		71815	23		74672	38		75903	10				
48305	16		50205	45		71820	23		74676	38		75904	10				
48307	16		50206	45		71825	23		74686	38		75905	10				
48309	16		50207	45		71827	23		74699	38		75906	10				
48310	16		50208	45		71830	23		74937	10		75907	10				
48311	16		50209	45		71834	23		74938	10		75908	10				
48312	16		50210	45		71840	23		74992	10		75909	10				
48313	16		50215	45		71845	23		74999	10		75910	10				
48314	16		50404	45		71850	23		75109	32		75911	10				
48332	16		50405	45		71855	23		75110	32		75912	10				
48354	16		50408	45		71860	23		75111	32		75913	10				
48356	16		50409	45		72809	23		75112	32		75914	10				
48360	16		50410	45		72810	23		75113	32		75949	10				
48364	16		50412	45		72815	23		75114	32		75950	10				
48368	16		50417	45		72820	23		75146	32		75952	10				
48372	16		50422	45		72825	23		75148	32		75954	10				
48376	16		50426	45		72827	23		75160	32		75956	10				
48386	16		50431	45		72830	23		75164	32		75960	10				
48409	43		53109	31		72840	23		75168	32		75964	10				
48410	43		53110	31		72845	23		75172	32		75968	10				
48411	43		53111	31		72850	23		75176	32		75972	10				
48412	43		53112	31		72855	23		75509	40		75976	10				
48413	43		53113	31		72860	23		75510	40		193102	38				
48414	43		53114	31		74009	35		75515	40		193103	38				
48415	43		53160	31		74010	35		75520	40		193104	38				
48416	43		53164	31		74015	35		75525	40		193105	38				
48432	43		53168	31		74020	35		75527	40		193106	38				
48435	43		53172	31		74025	35		75530	40		193107	38				
48445	43		53176	31		74027	35		75534	40		193108	38				
48460	43		53205	31		74030	35		75540	40		193109	38				
48464	43		53206	31		74034	35		75545	40		193110	38				
48466	43		53207	31		74040	35		75550	40		193111	38				
48468	43		53208	31		74045	35		75555	40		193112	38				
48470	43		53252	31		74050	35		75560	40		193113	38				
48472	43		53254	31		74055	35		75702	10		193114	38				
48474	43		53256	31		74602	38		75703	10		193115	38				
48476	43		69499	5		74603	38		75704	10		193116	38				







Torque & Interchangeability

Hex Size Inch	Torque Capacity**				Screw Interchangeability				
	Bondhus Straight Hex		Bondhus Ball End 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, 1-1/8	—
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	0.339	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	3	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	—	—

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