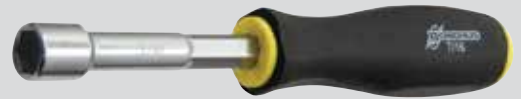


BONDHUS®



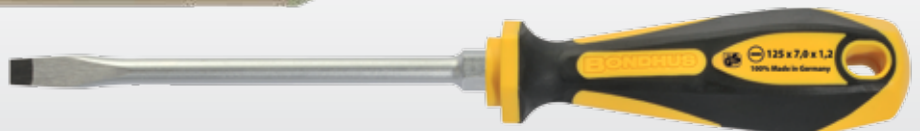
Tools That Work



MADE IN USA



Catalog



BONDHUS® SCREWDRIVERS
(pages 64-88)
are made in Germany

Featured Items

Loop T-Handles



Hex End Loop T-Handles are available in Inch and Metric with 3", 6", and 9" lengths. Coated handles are available in 6" and 9" lengths for user comfort.

p. 39-40

Torque Limiting Device (TLD)



Factory preset torque limits and interchangeable blades make ClickSet™ TLD the economical solution to an expensive problem. 1/4" Bit Holder now available.

p. 50-51

HandyHex™ Adjustable Handle



Hollow Hex handle allows adjustment of the distance a hex blade extends from the handle.

p. 57

Collapsible Magnetic Parts Tray



NEW collapsible tray holds loose metal parts and small tools. Tray attaches to any metal surface to help organize your workshop.

p. 61

Twist Sockets



NEW bolt/nut/screw extractor sets for damaged fasteners. The spiral design grips fasteners making them easier to remove.

p. 62

Ratchets



NEW Bondhus ratchets tighten and loosen nuts and bolts with ease. With 120 positions, a 3° ratcheting arc and contoured handles - these will soon be your go-to ratchets.

p. 63

Quick-T (L-Wrench to T-Handle Adapter)



NEW adapter quickly and easily converts an L-Wrench to T-Handle, reducing hand fatigue and providing better leverage with a more ergonomic grip.

p. 63

Lifetime Warranty

Bondhus manufactures the highest quality Hex and TORX® 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 contact customer service. 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 TORX® tool industry for over 60 years.



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 code for
Bondhus tool videos:



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L-Wrench Multi Packs

ProGuard™ Finish



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



ProGuard™ Ball End



IN/MM/TX	PART#	MODEL#	PCS	CONTENTS	QTY
	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



IN/MM/TX	PART#	MODEL#	PCS	CONTENTS	QTY
	20599	SBLX22	22	16537 (.050-3/8") + 16599 (1.5-10mm)	1
	27098	SDBLX22XL	22	67037 (.050-3/8") + 67099 (1.5-10mm) STUBBY DOUBLE BALL END	1



20599

ProGuard™ ProHold® Tip Ball End

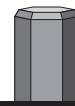


IN/MM/TX	PART#	MODEL#	PCS	CONTENTS	QTY
	20499	PBLX22	22	74937 (.050-3/8") + 74999 (1.5-10mm)	1



20499

ProGuard™ Hex End



IN/MM/TX	PART#	MODEL#	PCS	CONTENTS	QTY
	22199	HLX22	22	12137 (.050-3/8") + 12199 (1.5-10mm)	1
	20393	HLX10MS	10	12243 (.028-5/64" Short) + 12242 (.71-2mm Short)	1



22199

ProGuard™ Ball End and TORX® Tip



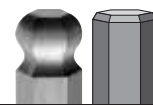
IN/MM/TX	PART#	MODEL#	PCS	CONTENTS	QTY
	14132	BLF30TS	30	10937 (.050-3/8") + 10999 (1.5-10mm) + 12632 (TORX® Fold Up T6-T25)	1
	14138	BLF30T	30	10937 (.050-3/8") + 10999 (1.5-10mm) + 12634 (TORX® Fold Up T9-T40)	1
	14126	BLF17S	17	10999 (1.5-10mm) + 12632 (TORX® Fold Up T6-T25)	1
	14128	BLF17	17	10999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

TORX® Fold Ups are assembled in the US from globally sourced components.



14132

ProGuard™ Ball End and Hex End GorillaGrip® Fold Ups



IN/MM/TX	PART#	MODEL#	PCS	CONTENTS	QTY
	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

L-Wrench Multi Packs

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



BriteGuard™ Ball End and ProGuard™ GorillaGrip® Fold Ups



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



14170

ColorGuard™ Ball End



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



69600

BriteGuard™ Ball End



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



26999

BriteGuard™ and GoldGuard™ Ball End



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



20399

GoldGuard™ Ball End



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



20899

L-Wrenches



MULTIPLE OPTIONS

Available in a wide range of lengths and tip styles. Four finish options available

LONGER LIFE

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

Color-Coded

- Inch
- Metric
- TORX®



BETTER FIT

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

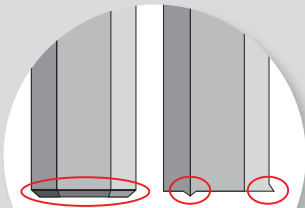


Up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel.

FINISH OPTIONS:

- 
Corrosion-resistant
 Environmentally safe, provides better tool grip, resists solvents and is 5x more corrosion resistant than competitor finishes.
- 
Next generation chrome
 Traditional plated tool look with superior protection and durability.
- 
Gold-color protective
 Superior protection and durability over traditional chrome and the look and shine of real gold.
- 
Color-coded protective
 Durable color-coded finish for superior protection and easy tool identification.

More than just another L-Wrench



BONDHUS TIP:
Clean corners and smooth end

COMPETITOR:
Burs and other imperfections

Bondhus chamfers every Hex and TORX® 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.

TORX® and TORX PLUS® are trademarks of Acument Intellectual Properties, LLC.

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

- Inch
- Metric



Ball End Tips

L-Wrenches

SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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



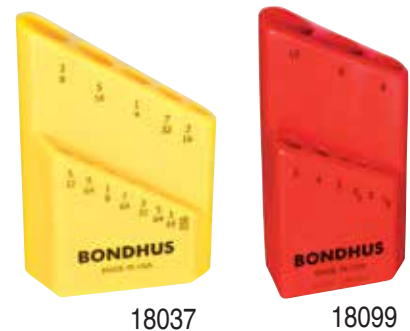
Bondhex™ Cases

- 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

- Inch
- Metric

PART#	FITS SIZES	QTY
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

PART#	FITS SIZES	QTY
18046	1.5, 2, 2.5, 3, 4, 5mm	10
18099	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	10



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

Bondhus Ball End and Hex 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.



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

■ Inch
■ Metric



Ball End Tips



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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, 3/16, 7/32, 1/4"	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



10937

10945

SINGLES LONG

SINGLE PACKAGING



SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY	PART#	QTY
.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	7.8	198	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	-	-	-	-



10935



10933

SINGLES EXTRA LONG



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



15710



16013



Ball End L-Wrenches

ProGuard™ 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



L-Wrenches

█ Inch
█ Metric



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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
10990	BLX10M	10	Long	1.5, 2, 2.5, 3, 4, 5, 6, 7, 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	MBLX13M	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 LONG

SIZE		INCH		MM		PART#		QTY		TAGGED/BARCODED	
INCH	MM	INCH	MM	PART#	QTY	PART#	QTY	PART#	QTY	PART#	QTY
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 EXTRA LONG

SIZE		INCH		MM		PART#		QTY	
INCH	MM	INCH	MM	PART#	QTY	PART#	QTY	PART#	QTY
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			



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



Ball End Tips

■ Inch
■ Metric



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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	BLX9MLB	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1

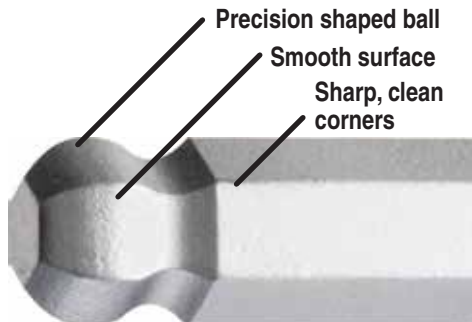


SINGLES LONG

SIZE	INCH		MM		SINGLE PACKAGING		TAGGED/BARCODED	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.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	7.8	198	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

SINGLES EXTRA LONG

SIZE	INCH		MM		SINGLE PACKAGING		TAGGED/BARCODED	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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



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!

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



L-Wrenches

■ Inch
■ Metric



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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 LONG

		SINGLE PACKAGING		BULK		TAGGED/BARCODED		
SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.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	7.8	198	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

SINGLES EXTRA LONG

		SINGLE PACKAGING		BULK		TAGGED/BARCODED		
SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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



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

ProHold® Tip Ball End L-Wrenches

ProGuard™ Finish



L-Wrenches

- 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



ProHold® Tip holds screws securely

- Inch
- Metric



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

74938

SINGLES LONG

SINGLE PACKAGING

SIZE	INCH		MM		PART#	QTY	TAGGED/BARCODED	
	INCH	MM	INCH	MM			PART#	QTY
.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

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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



75911

75706

75956

75776

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



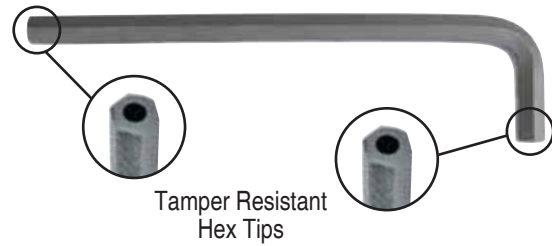
ProHold® buttons are non-magnetic and safe for use in electronic applications

Tamper Resistant Hex End 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



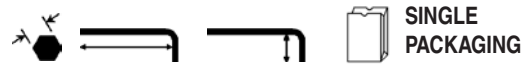
■ Inch ■ Metric ■ TORX®

SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
48332	HTR8	8	Long	3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1

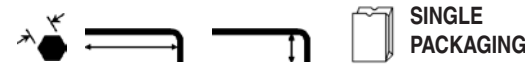
PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
48386	HTR6M	6	Long	2.5, 3, 4, 5, 6, 8mm	1

SINGLES LONG



SIZE	INCH	MM	INCH	MM	PART#	QTY
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

SINGLES LONG



SIZE	INCH	MM	INCH	MM	PART#	QTY
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



L-Wrenches

Tamper Resistant TORX® L-Wrenches

ProGuard™ Finish



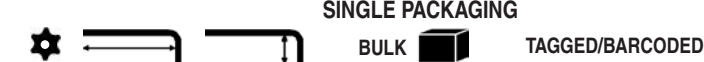
- Fits all TORX® and Star tamper resistant screws (not compatible with TORX PLUS® fasteners)
- Burr free tool tips help tools seat fully in screw head
- Precision machined tips transfer more torque to the screw and reduces stripping



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
32431	TR-TL7S	7	Long	TR7, TR8, TR9, TR10, TR15, TR20, TR25	1
32434	TR-TL8	8	Long	TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	1

SINGLES LONG



SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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



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 TORX® tool finish.

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

■ Inch ■ Metric

Hex End Tips



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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
12243	HLX5S	5	Short	.028, .035, .050, 1/16, 5/64"	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



SETS in Metal Box

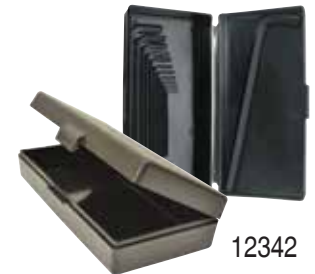
PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
12344	MHLX15S	15	Short	.028, .035, .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1
12339	MHLX18S	18	Short	.028, .035, .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8"	1



12344

SETS in Plastic Box

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

SETS In Pouch

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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
35393	HLX5SZ	5	Short	.028, .035, .050, 1/16, 5/64" (Bondhex™ case in ziplock bag)	1



12347

35393

SINGLES 6" LONG ARM



SIZE	INCH	MM	INCH	MM	PART#	QTY
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 12" LONG ARM



SIZE	INCH	MM	INCH	MM	PART#	QTY
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 15



Hex End L-Wrench Singles

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



Hex End Tips

L-Wrenches

■ Inch ■ Metric

SINGLES LONG

		SINGLE PACKAGING		PACKAGED		BULK		TAGGED/BARCODED		
SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY	PART#	QTY
.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	7.8	198	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 SHORT

		SINGLE PACKAGING		PACKAGED		BULK		TAGGED/BARCODED		
SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY	PART#	QTY
.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 14

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



- Inch
- Metric

SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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
12242	HLX5MS	5	Short	.71, .89, 1.27, 1.5, 2mm	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



SETS in Metal Box

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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



SETS in Pouch

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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
35392	HLX5MSZ	5	Short	.71, .89, 1.27, 1.5, 2mm (Bondhex™ case in ziplock bag)	1



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 17

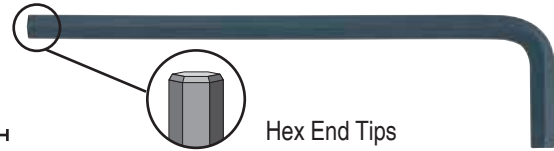


Hex End L-Wrench Singles

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



Hex End Tips

L-Wrenches

SINGLES LONG

SINGLE PACKAGING



PACKAGED

BULK



TAGGED/BARCODED

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY	PART#	QTY
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	-	-	-	-



SINGLES SHORT

SINGLE PACKAGING



PACKAGED

BULK



TAGGED/BARCODED

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY	PART#	QTY
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 16



Hex End L-Wrenches

BriteGuard™ 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

Hex End Tips



L-Wrenches

SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
16138	HLX10B	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1
16136	HLX12B	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
16137	HLX13B	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
16238	HLX10SB	10	Short	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1
16236	HLX12SB	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
16237	HLX13SB	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



PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
17146	HLX6MB	6	Extra Long	1.5, 2, 2.5, 3, 4, 5mm	1
17192	HLX7MB	7	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6mm	1
17199	HLX9MB	9	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1
17195	HLX15MB	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
16246	HLX6MSB	6	Short	1.5, 2, 2.5, 3, 4, 5mm	1
16292	HLX7MSB	7	Short	1.5, 2, 2.5, 3, 4, 5, 6mm	1
16299	HLX9MSB	9	Short	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1

SINGLES LONG

SINGLE PACKAGING

SIZE	INCH		MM		BULK		TAGGED/BARCODED	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.028	2.6	66	0.22	6	26100	50	16100	10
.035	2.7	68	0.34	9	26101	50	16101	10
.050	2.8	72	0.53	13	26102	50	16102	10
1/16	3.0	76	0.56	14	26103	50	16103	10
5/64	3.2	81	0.61	15	26104	50	16104	10
3/32	3.4	86	0.65	16	26105	50	16105	10
7/64	3.6	90	0.70	18	26106	50	16106	10
1/8	3.8	95	0.75	19	26107	50	16107	10
9/64	4.0	101	0.80	20	26108	50	16108	10
5/32	4.2	107	0.84	21	26109	50	16109	10
3/16	4.5	114	0.94	24	26110	50	16110	10
7/32	4.9	124	1.03	26	26111	25	16111	5
1/4	5.3	133	1.13	29	26112	25	16112	5
5/16	6.0	152	1.25	32	26113	25	16113	5
3/8	6.8	171	1.38	35	26114	25	16114	5
7/16	7.5	191	1.50	38	-	-	16115	1
1/2	7.8	198	1.63	41	-	-	16116	1
9/16	9.0	229	1.75	44	-	-	16117	1
5/8	9.8	248	1.88	48	-	-	16118	1
3/4	11.3	286	2.13	54	-	-	16119	1

SINGLES SHORT

SINGLE PACKAGING

SIZE	INCH		MM		BULK		TAGGED/BARCODED	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.028	1.2	31	0.22	6	26200	50	16200	10
.035	1.2	31	0.34	9	26201	50	16201	10
.050	1.6	42	0.53	13	26202	50	16202	10
1/16	1.8	45	0.56	14	26203	50	16203	10
5/64	1.9	48	0.61	15	26204	50	16204	10
3/32	2.0	51	0.65	16	26205	50	16205	10
7/64	2.1	54	0.70	18	26206	50	16206	10
1/8	2.3	58	0.75	19	26207	50	16207	10
9/64	2.4	61	0.80	20	26208	50	16208	10
5/32	2.5	64	0.84	21	26209	50	16209	10
3/16	2.8	70	0.94	24	26210	50	16210	10
7/32	3.0	77	1.03	26	26211	25	16211	5
1/4	3.3	83	1.13	29	26212	25	16212	5
5/16	3.8	96	1.25	32	26213	25	16213	5
3/8	4.3	108	1.38	35	26214	25	16214	5
7/16	4.8	121	1.50	38	-	-	16215	1
1/2	5.3	133	1.63	41	-	-	16216	1
9/16	5.8	146	1.75	44	-	-	16217	1
5/8	6.3	159	1.88	48	-	-	16218	1
3/4	7.3	184	2.13	54	-	-	16219	1

SINGLES EXTRA LONG

SINGLE PACKAGING

SIZE	INCH		MM		BULK		TAGGED/BARCODED	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.71	2.6	66	0.22	6	27147	50	17147	10
.89	2.7	68	0.34	9	27148	50	17148	10
1.27	2.8	72	0.53	13	27149	50	17149	10
1.5	3.5	90	0.53	14	27150	50	17150	10
2.0	3.9	100	0.61	16	27152	50	17152	10
2.5	4.4	112	0.69	17	27154	50	17154	10
3.0	5.0	126	0.75	19	27156	50	17156	10
3.5	5.2	133	0.85	21	27158	50	17158	1
4.0	5.6	142	0.87	22	27160	50	17160	10
4.5	5.9	151	1.00	25	27162	50	17162	1
5.0	6.3	160	1.06	27	27164	50	17164	5
5.5	6.8	172	1.14	29	27166	25	17166	1
6	6.8	172	1.22	31	27168	25	17168	5
7	7.2	184	1.30	33	27170	25	17170	1
8	7.7	195	1.38	35	27172	25	17172	5
9	8.0	202	1.46	37	27174	25	17174	1
10	8.4	213	1.54	39	27176	10	17176	5
11	7.9	200	1.63	42	27178	10	17178	1
12	8.7	220	1.73	44	27180	10	17180	1
14	10.2	260	2.15	55	-	-	17184	1
17	11.0	280	2.42	61	-	-	17186	1
19	11.6	295	2.70	69	-	-	17188	1

SINGLES SHORT

SINGLE PACKAGING

SIZE	INCH		MM		BULK		TAGGED/BARCODED	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.71	1.2	31	0.22	6	26247	50	16247	10
.89	1.2	31	0.34	9	26248	50	16248	10
1.27	1.6	42	0.53	13	26249	50	16249	10
1.5	1.7	44	0.53	14	26250	50	16250	10
2.0	1.9	49	0.61	16	26252	50	16252	10
2.5	2.1	54	0.69	17	26254	50	16254	10
3.0	2.4	61	0.75	19	26256	50	16256	10
3.5	2.6	65	0.85	21	26258	50	16258	1
4.0	2.7	68	0.87	22	26260	50	16260	10
4.5	2.9	73	1.00	25	26262	50	16262	1
5.0	3.1	78	1.06	27	26264	50	16264	5
5.5	3.3	83	1.14	29	26266	25	16266	1
6	3.5	88	1.22	31	26268	25	16268	5
7	3.7	93	1.30	33	26270	25	16270	1
8	3.9	98	1.38	35	26272	25	16272	5
9	4.0	102	1.46	37	26274	25	16274	1
10	4.3	109	1.54	39	26276	10	16276	5
11	4.5	115	1.63	42	26278	10	16278	1
12	4.8	122	1.73	44	26280	10	16280	1
14	5.4	136	2.15	55	-	-	16284	1
17	6.1	156	2.42	61	-	-	16286	1
19	6.9	175	2.72	69	-	-	16288	1

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

Hex End Tips

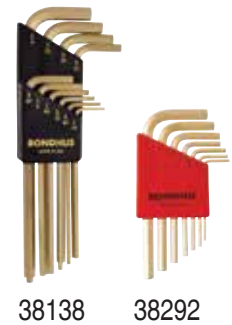


L-Wrenches

SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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



SINGLES LONG

SINGLE PACKAGING

SIZE	INCH		MM		PART#		QTY	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.028	2.6	66	0.22	6	28100	50	38100	10
.035	2.7	68	0.34	9	28101	50	38101	10
.050	2.8	72	0.53	13	28102	50	38102	10
1/16	3.0	76	0.56	14	28103	50	38103	10
5/64	3.2	81	0.61	15	28104	50	38104	10
3/32	3.4	86	0.65	16	28105	50	38105	10
7/64	3.6	90	0.70	18	28106	50	38106	10
1/8	3.8	95	0.75	19	28107	50	38107	10
9/64	4.0	101	0.80	20	28108	50	38108	10
5/32	4.2	107	0.84	21	28109	50	38109	10
3/16	4.5	114	0.94	24	28110	50	38110	10
7/32	4.9	124	1.03	26	28111	25	38111	5
1/4	5.3	133	1.13	29	28112	25	38112	5
5/16	6.0	152	1.25	32	28113	25	38113	5
3/8	6.8	171	1.38	35	28114	25	38114	5
7/16	7.5	191	1.50	38	-	-	38115	1
1/2	7.8	198	1.63	41	-	-	38116	1
9/16	9.0	229	1.75	44	-	-	38117	1
5/8	9.8	248	1.88	48	-	-	38118	1
3/4	11.3	286	2.13	54	-	-	38119	1

SINGLES SHORT

SINGLE PACKAGING

SIZE	INCH		MM		PART#		QTY	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.028	1.2	31	0.22	6	28200	50	38200	10
.035	1.2	31	0.34	9	28201	50	38201	10
.050	1.6	42	0.53	13	28202	50	38202	10
1/16	1.8	45	0.56	14	28203	50	38203	10
5/64	1.9	48	0.61	15	28204	50	38204	10
3/32	2.0	51	0.65	16	28205	50	38205	10
7/64	2.1	54	0.70	18	28206	50	38206	10
1/8	2.3	58	0.75	19	28207	50	38207	10
9/64	2.4	61	0.80	20	28208	50	38208	10
5/32	2.5	64	0.84	21	28209	50	38209	10
3/16	2.8	70	0.94	24	28210	50	38210	10
7/32	3.0	77	1.03	26	28211	25	38211	5
1/4	3.3	83	1.13	29	28212	25	38212	5
5/16	3.8	96	1.25	32	28213	25	38213	5
3/8	4.3	108	1.38	35	28214	25	38214	5
7/16	4.8	121	1.50	38	-	-	38215	1
1/2	5.3	133	1.63	41	-	-	38216	1
9/16	5.8	146	1.75	44	-	-	38217	1
5/8	6.3	159	1.88	48	-	-	38218	1
3/4	7.3	184	2.13	54	-	-	38219	1

SINGLES LONG

SINGLE PACKAGING

SIZE	INCH		MM		PART#		QTY	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.71	2.6	66	0.22	6	29147	50	39147	10
.89	2.7	68	0.34	9	29148	50	39148	10
1.27	2.8	72	0.53	13	29149	50	39149	10
1.5	3.0	77	0.53	14	29150	50	39150	10
2.0	3.2	82	0.61	16	29152	50	39152	10
2.5	3.5	88	0.69	17	29154	50	39154	10
3.0	3.9	98	0.75	19	29156	50	39156	10
3.5	3.9	100	0.85	21	29158	50	39158	1
4.0	4.3	110	0.87	22	29160	50	39160	10
4.5	4.5	114	1.00	25	29162	50	39162	1
5.0	4.7	119	1.06	27	29164	50	39164	5
5.5	4.9	124	1.14	29	29166	25	39166	1
6	5.5	139	1.22	31	29168	25	39168	5
7	5.5	140	1.30	33	29170	25	39170	1
8	6.0	152	1.38	35	29172	25	39172	5
9	6.2	159	1.46	37	29174	25	39174	1
10	6.7	171	1.54	39	29176	10	39176	5
11	7.9	200	1.63	42	29178	10	39178	1
12	8.7	220	1.73	44	29180	10	39180	1
14	10.2	260	2.15	55	-	-	39184	1
17	11.0	280	2.42	61	-	-	39186	1
19	11.6	295	2.70	69	-	-	39188	1

SINGLES SHORT

SINGLE PACKAGING

SIZE	INCH		MM		PART#		QTY	
	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.71	1.2	31	0.22	6	28247	50	38247	10
.89	1.2	31	0.34	9	28248	50	38248	10
1.27	1.6	42	0.53	13	28249	50	38249	10
1.5	1.7	44	0.53	14	28250	50	38250	10
2.0	1.9	49	0.61	16	28252	50	38252	10
2.5	2.1	54	0.69	17	28254	50	38254	10
3.0	2.4	61	0.75	19	28256	50	38256	10
3.5	2.6	65	0.85	21	28258	50	38258	1
4.0	2.7	68	0.87	22	28260	50	38260	10
4.5	2.9	73	1.00	25	28262	50	38262	1
5.0	3.1	78	1.06	27	28264	50	38264	5
5.5	3.3	83	1.14	29	28266	25	38266	1
6	3.5	88	1.22	31	28268	25	38268	5
7	3.7	93	1.30	33	28270	25	38270	1
8	3.9	98	1.38	35	28272	25	38272	5
9	4.0	102	1.46	37	28274	25	38274	1
10	4.3	109	1.54	39	28276	10	38276	5
11	4.5	115	1.63	42	28278	10	38278	1
12	4.8	122	1.73	44	28280	10	38280	1
14	5.4	136	2.15	55	-	-	38284	1
17	6.1	156	2.42	61	-	-	38286	1
19	6.9	175	2.72	69	-	-	38288	1

Stubby Double Ball End L-Wrenches

15° ANGLE

Exclusive MaxTorque™ ball end inserts into screw and works at a 15° angle

TIGHT SPACES

Exclusive MaxTorque™ ball end on short arm allows access to screw heads located in tight spaces straight-in or at an angle

50% MORE TORQUE

Exclusive MaxTorque™ ball end delivers 50% more torque than conventional ball ends

EXTRA LENGTH

Extra long length provides for greater torque

Color-Coded

- Inch
- Metric



25° ANGLE

Standard Bondhus ball end on long arm inserts into screw and works at a 25° angle

ProTanium
HIGH TORQUE STEEL High Torque Steel

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

FINISH OPTIONS:

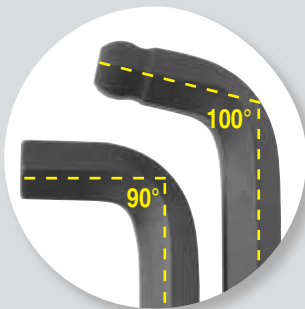
ProGuard
CORROSION RESISTANT
DST Corrosion-resistant

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

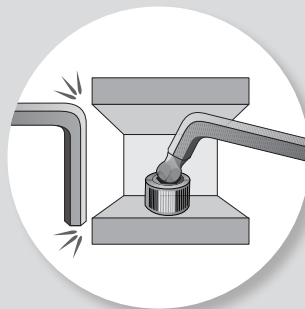
BriteGuard
FINISH Next generation chrome

Traditional plated tool look with superior protection and durability.

Stubby Double Ball End L-Wrench compared to our standard Stubby L-Wrench

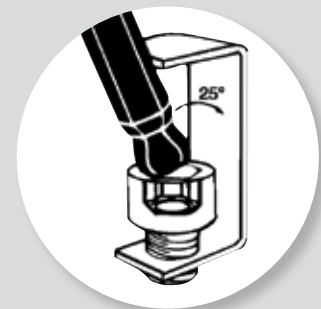


Exclusive MaxTorque™ ball end on short arm delivers two times the torque of competitor ball ends, at up to a 15° angle.



MaxTorque™ Ball End

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

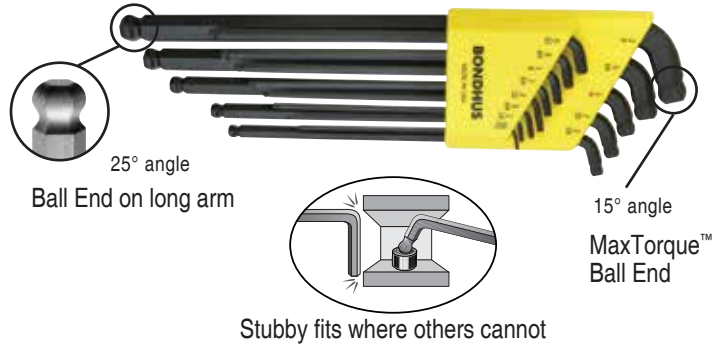


Long Arm Ball End

25° working angle on long arm allows tool to work in hard-to-reach places.

Stubby Double Ball End L-Wrenches

- Exclusive MaxTorque™ Ball End
 - on short arm allows access to screw heads located in tight spaces straight-in or at an angle
 - delivers 50% more torque than conventional ball ends
 - inserts into screw and works at a 15° angle
- Standard Bondhus ball end on long arm works at a 25° angle
- Extra long length provides for greater torque



L-Wrenches

■ Inch ■ Metric



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
67037	SDBLX13XL	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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
67099	SDBLX9MXL	9	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1



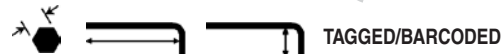
SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
77037	SDBLX13BXL	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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
77099	SDBLX9MBXL	9	Extra Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	1



SINGLES EXTRA LONG



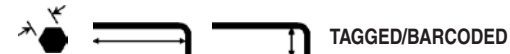
SIZE	INCH	MM	INCH	MM	PART#	QTY
.050	3.1	79	0.25	6	67002	5
1/16	3.3	84	0.24	6	67003	5
5/64	3.6	91	0.32	8	67004	5
3/32	3.9	98	0.36	9	67005	5
7/64	4.1	104	0.36	9	67006	5
1/8	4.4	113	0.37	9	67007	5
9/64	4.8	121	0.37	9	67008	5
5/32	5.1	130	0.38	10	67009	5
3/16	5.3	134	0.44	11	67010	5
7/32	5.7	144	0.48	12	67011	2
1/4	6.5	164	0.49	12	67012	2
5/16	7.1	180	0.61	15	67013	2
3/8	7.8	199	0.84	21	67014	2



SIZE	INCH	MM	INCH	MM	PART#	QTY
1.5	3.5	89	0.24	6	67050	5
2.0	3.9	100	0.32	8	67052	5
2.5	4.4	111	0.35	9	67054	5
3.0	4.9	125	0.37	9	67056	5
4.0	5.6	143	0.38	10	67060	5
5.0	6.4	161	0.43	11	67064	2
6	6.8	173	0.50	13	67068	2
8	7.7	194	0.60	15	67072	2
10	8.4	214	0.82	21	67076	2



SINGLES EXTRA LONG



SIZE	INCH	MM	INCH	MM	PART#	QTY
.050	3.1	79	0.25	4	77002	5
1/16	3.3	84	0.24	4	77003	5
5/64	3.6	91	0.32	7	77004	5
3/32	3.9	98	0.36	7	77005	5
7/64	4.1	104	0.36	8	77006	5
1/8	4.4	113	0.37	8	77007	5
9/64	4.8	121	0.37	8	77008	5
5/32	5.1	130	0.38	9	77009	5
3/16	5.3	134	0.44	10	77010	5
7/32	5.7	144	0.48	12	77011	2
1/4	6.5	164	0.49	12	77012	2
5/16	7.1	180	0.61	14	77013	2
3/8	7.8	199	0.84	18	77014	2



SIZE	INCH	MM	INCH	MM	PART#	QTY
1.5	3.5	89	0.24	6	77050	5
2.0	3.9	100	0.32	8	77052	5
2.5	4.4	111	0.35	9	77054	5
3.0	4.9	125	0.37	9	77056	5
4.0	5.6	143	0.38	10	77060	5
5.0	6.4	161	0.43	11	77064	2
6	6.8	173	0.50	13	77068	2
8	7.7	194	0.61	15	77072	2
10	8.4	214	0.82	21	77076	2

Stubby Ball End L-Wrenches

ProGuard™ Finish



L-Wrenches

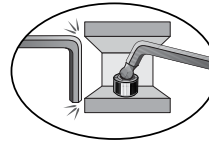
- Fits into tight spaces standard hex keys cannot
- Eliminates the need to trim and file the short arm
- Tighter inside radius means full smooth entry into screw head
- Chamfered short arm eliminates burrs
- Ball End inserts into a screw at a 25° angle

- Inch
- Metric



Ball End Tips

Stubby fits where others cannot



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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



16538

16599

SINGLES LONG

SINGLE PACKAGING

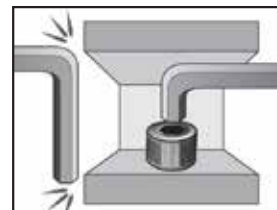
SIZE	INCH		MM		PART#	QTY	TAGGED/BARCODED	
	INCH	MM	INCH	MM			PART#	QTY
.050	2.8	72	0.14	4	26502	50	16502	5
1/16	3.0	76	0.16	4	26503	50	16503	5
5/64	3.2	81	0.27	7	26504	50	16504	5
3/32	3.4	86	0.29	7	26505	50	16505	5
7/64	3.6	90	0.30	8	26506	50	16506	5
1/8	3.8	95	0.32	8	26507	50	16507	5
9/64	4.0	101	0.33	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	5.6	141	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

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
1.27	2.8	72	0.14	4	26549	50	16549	5
1.5	3.0	77	0.22	5	26550	50	16550	5
2.0	3.2	82	0.32	7	26552	50	16552	5
2.5	3.5	88	0.35	7	26554	50	16554	5
3.0	3.9	98	0.41	8	26556	50	16556	5
4.0	4.3	110	0.48	9	26560	50	16560	5
5.0	4.7	119	0.57	10	26564	25	16564	2
6	5.5	139	0.68	12	26568	25	16568	2
8	6.0	152	0.85	14	26572	25	16572	2
10	6.7	171	1.15	20	26576	25	16576	2



16510

16564



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

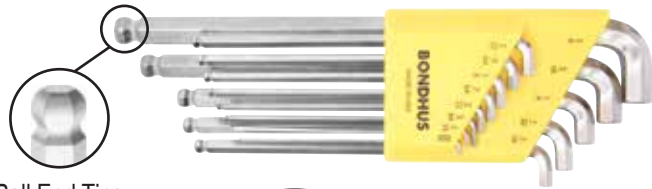
Stubby Ball End L-Wrenches

BriteGuard™ Finish

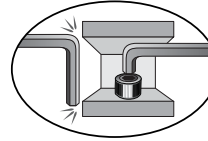


- Fits into tight spaces standard hex keys cannot
- Eliminates the need to trim and file the short arm
- Tighter inside radius means full smooth entry into screw head
- Chamfered short arm eliminates burrs
- Ball End inserts into a screw at a 25° angle

■ Inch
■ Metric



Ball End Tips



Stubby fits where others cannot

L-Wrenches

SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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



16738

16799

SINGLES LONG

SINGLE PACKAGING

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.050	2.8	72	0.14	4	26702	50	16702	5
1/16	3.0	76	0.16	4	26703	50	16703	5
5/64	3.2	81	0.27	7	26704	50	16704	5
3/32	3.4	86	0.29	7	26705	50	16705	5
7/64	3.6	90	0.30	8	26706	50	16706	5
1/8	3.8	95	0.32	8	26707	50	16707	5
9/64	4.0	101	0.33	8	26708	50	16708	5
5/32	4.2	107	0.35	9	26709	50	16709	5
3/16	4.5	114	0.39	10	26710	50	16710	5
7/32	4.9	124	0.46	12	26711	25	16711	2
1/4	5.6	141	0.46	12	26712	25	16712	2
5/16	6.0	152	0.57	14	26713	25	16713	2
3/8	6.8	171	0.71	18	26714	25	16714	2



16710



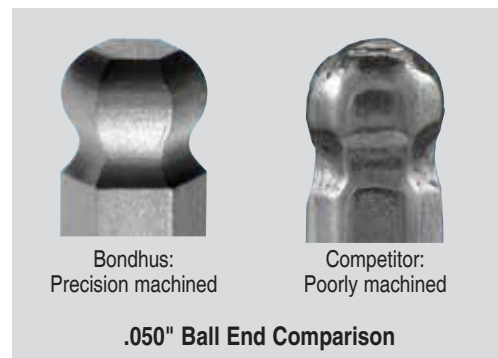
16768

SINGLES EXTRA LONG

SINGLE PACKAGING

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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

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 cannot.



Bondhus:
Precision machined

Competitor:
Poorly machined

.050" Ball End Comparison

HexPro™ Pivot Head Wrenches

MULTIPLE SIZES
Available in 25 sizes
to cover most fastener
heads

EXTRA REACH
Long handles for
extra reach



CHOICE OF ENDS

Fits Inch and Metric
Hex, TORX®,
and Star screws

HIGH QUALITY
Heat treated high quality
industrial tool steel with
a Lifetime Warranty

**CORROSION
PREVENTION**
Matte chrome finish to
prevent corrosion



The short arm rotates on a hinge at the end of the long arm and can be used at any angle from 90° to 270°. This feature makes it easy to reach screw heads that are located in hard-to-reach places.



Working against an obstruction is no problem for Bondhus Pivot Head Wrenches. The unique time-saving flip & turn feature eliminates constant removal and repositioning of the tool.

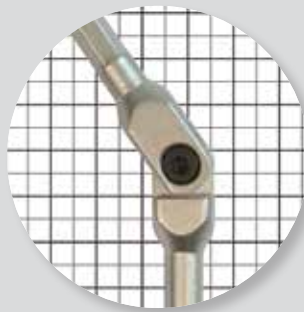


This precision machined tool features smooth surfaces and radiused edges where the users hand holds the tool, making it comfortable to use.

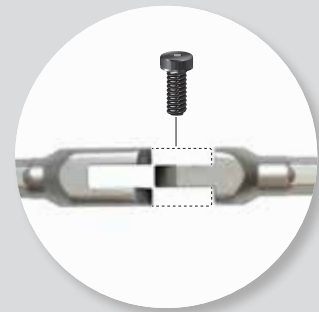
Pivot Head Hex and TORX® Wrenches



Pivot Head Hex and TORX® wrenches allow tool users to insert wrench into socket head screw one time, pivoting around obstacles.



Joints are engineered to be as small as possible without weakening the tool.



Forged hinges provide a simple, effective, patented design. Fewer pieces make Pivot Head Hex and TORX® wrenches stronger and less likely to break than competitors.

HexPro™ Pivot Head Wrenches

Chrome Finish

 Inch

 Metric

 TORX®

SETS

PART#	MODEL#	PCS	PACKED IN	CARD	POUCH	CONTENTS	QTY
00009	HP5-IC-09	5	Box		✓	3/16, 7/32, 1/4, 5/16, 3/8"	1
00017	HP8-IC-17	8	Box		✓	1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1
00060	HP5-IC-60B	5	Transparent Clamshell	Blue		3/16, 7/32, 1/4, 5/16, 3/8"	1
00068	HP5-IC-68B	5	Transparent Clamshell	Blue	✓	3/16, 7/32, 1/4, 5/16, 3/8"	1

PART#	MODEL#	PCS	PACKED IN	CARD	POUCH	CONTENTS	QTY
00005	HP5-IC-05	5	Box		✓	4, 5, 6, 8, 10mm	1
00010	HP6-IC-10	6	Box		✓	3, 4, 5, 6, 8, 10mm	1
00069	HP5-IC-69B	5	Transparent Clamshell	Blue	✓	3, 4, 5, 6, 8 mm	1
00070	HP5-IC-70B	5	Transparent Clamshell	Blue		4, 5, 6, 8, 10mm	1
00073	HP5-IC-73B	5	Transparent Clamshell	Blue	✓	4, 5, 6, 8, 10mm	1

PART#	MODEL#	PCS	PACKED IN	CARD	POUCH	CONTENTS	QTY
00019	SP5-IC-19	5	Box		✓	T15, T20, T25, T27, T30	1
00018	SP5-IC-18	5	Box		✓	T40, T45, T47, T50, T55	1
00015	SP6-IC-15	6	Box		✓	T25, T27, T30, T40, T45, T50	1
00022	SP10-IC-22	10	Box		✓	T15, T20, T25, T27, T30, T40, T45, T47, T50, T55	1
00075	SP5-IC-75B	5	Transparent Clamshell	Blue		T25, T30, T40, T45, T50	1
00078	SP5-IC-78B	5	Transparent Clamshell	Blue	✓	T25, T30, T40, T45, T50	1
00079	SP5-IC-79B	5	Transparent Clamshell	Blue	✓	T25, T27, T30, T40, T50	1
00080	SP5-IC-80B	5	Transparent Clamshell	Blue		T20, T25, T30, T40, T45	1

SINGLES



SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
1/8	3.8	97	1.10	28	88007	1	88707	1
9/64	3.8	97	1.10	28	88008	1	88708	1
5/32	4.2	108	1.20	31	88009	1	88709	1
3/16	4.6	118	1.30	33	88010	1	88710	1
7/32	5.0	128	1.40	36	88011	1	88711	1
1/4	5.4	138	1.60	41	88012	1	88712	1
5/16	6.4	163	1.90	48	88013	1	88713	1
3/8	7.0	177	2.00	51	88014	1	88714	1

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
3	3.8	97	1.10	28	88056	1	88756	1
4	4.2	108	1.20	31	88060	1	88760	1
5	4.6	118	1.30	33	88064	1	88764	1
6	5.4	138	1.60	41	88068	1	88768	1
7	6.4	163	1.90	48	88070	1	88770	1
8	6.4	163	1.90	48	88072	1	88772	1
10	7.0	177	2.00	51	88076	1	88776	1

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
T15	4.2	108	1.20	31	88215	1	88715	1
T20	4.2	108	1.20	31	88220	1	88720	1
T25	4.6	118	1.30	33	88225	1	88725	1
T27	4.6	118	1.30	33	88227	1	88727	1
T30	4.6	118	1.30	33	88230	1	88730	1
T40	5.4	138	1.60	41	88240	1	88740	1
T45	6.4	163	1.90	48	88245	1	88745	1
T47	6.4	163	1.90	48	88247	1	88747	1
T50	6.4	163	1.90	48	88250	1	88750	1
T55	7.0	177	2.00	51	88255	1	88755	1



Box



Pouch



Blue card

L-Wrenches

TORX® Tip Tools



HIGH TORQUE STEEL

The only TORX® tools made with Protanium® steel



TIPS

A full range of tip sizes from T5 to T100

TORX® & STAR FASTENERS

Tools fit in both TORX® and Star fasteners



CONTACT

Broad contact surface provides deep lobe engagement

Color-Coded

■ TORX®



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

FINISH OPTIONS:



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



TORX® and TORX PLUS® are trademarks of Acument Intellectual Properties, LLC.

Bondhus TORX® Tip Tools

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



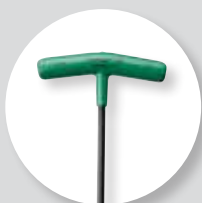
L-Wrenches
pg 27-28



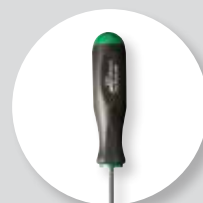
Wings & Flags
pg 29



Fold Ups
pg 31-33



T-Handles
pg 41



Screwdrivers
pg 47-48



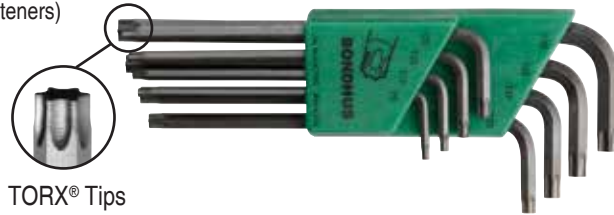
Socket Bits
pg 56

TORX® L-Wrenches

ProGuard™ Finish



- Fits all TORX® & Star screws (not compatible with TORX PLUS® fasteners)
- Broad contact surface provides deep lobe engagement
- Straight, vertical sidewalls increase tool engagement and virtually eliminates camout



TORX® Tips

TORX®

L-Wrenches

SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

SINGLES LONG

SINGLE PACKAGING

SIZE	INCH	MM	INCH	MM	BULK		TAGGED/BARCODED	
					PART#	QTY	PART#	QTY
T6	2.1	55	0.65	16	32806	25	31806	5
T7	2.4	61	0.65	16	32807	25	31807	5
T8	2.6	67	0.65	16	32808	25	31808	5
T9	2.9	74	0.65	16	32809	25	31809	5
T10	3.2	80	0.73	19	32810	25	31810	5
T15	3.3	84	0.78	20	32815	25	31815	5
T20	3.6	91	0.78	20	32820	25	31820	5
T25	3.8	98	0.88	22	32825	25	31825	5
T27	4.2	106	0.95	24	32827	25	31827	5
T30	4.6	116	1.03	26	32830	25	31830	5
T40	4.9	125	1.11	28	32840	25	31840	5
T45	5.4	138	1.20	30	32845	10	31845	2
T50	6.2	156	1.25	32	32850	10	31850	2
T55	6.7	171	1.36	34	32855	10	31855	2
T60	7.2	182	1.75	44	32860	10	31860	2

SINGLES SHORT

SINGLE PACKAGING

SIZE	INCH	MM	INCH	MM	BULK		TAGGED/BARCODED	
					PART#	QTY	PART#	QTY
T5	0.9	23	0.65	16	32705	25	31705	5
T6	1.1	29	0.65	16	32706	25	31706	5
T7	1.4	35	0.65	16	32707	25	31707	5
T8	1.6	42	0.65	16	32708	25	31708	5
T9	1.9	48	0.65	16	32709	25	31709	5
T10	2.2	55	0.73	19	32710	25	31710	5
T15	2.3	59	0.78	20	32715	25	31715	5
T20	2.6	66	0.78	20	32720	25	31720	5
T25	2.8	72	0.88	22	32725	25	31725	5
T27	3.2	81	0.95	24	32727	25	31727	5
T30	3.6	90	1.03	26	32730	25	31730	5
T40	3.9	99	1.11	28	32740	25	31740	5
T45	3.9	98	1.20	30	32745	10	31745	2
T50	3.8	97	1.25	32	32750	10	31750	2
T55	3.8	95	1.36	34	32755	10	31755	2
T60	3.7	93	1.75	44	32760	10	31760	2

ProHold® TORX® L-Wrenches

ProGuard™ Finish



- Fits all TORX® & Star screws (not compatible with TORX PLUS® fasteners)
- Holds screw tight on the tool EVERY TIME
- Button is non-magnetic
- Broad contact surface provides deep lobe engagement

The ProHold® TORX® Tip holds screw securely



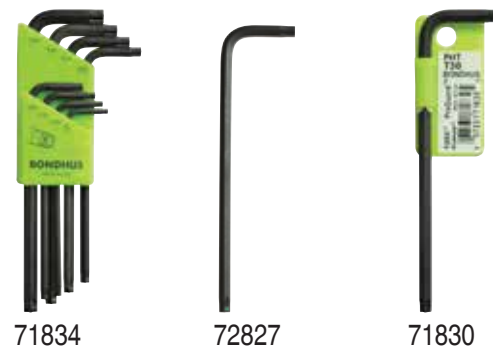
SETS

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

SINGLES LONG

SINGLE PACKAGING

SIZE	INCH	MM	INCH	MM	BULK		TAGGED/BARCODED	
					PART#	QTY	PART#	QTY
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



TORX® and TORX PLUS® are registered trademarks of Acument Intellectual Properties, LLC.

BallStar™ Tip L-Wrenches

ProGuard™ Finish



L-Wrenches

- Fits all TORX® and Star 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

TORX®



BallStar™ Tips

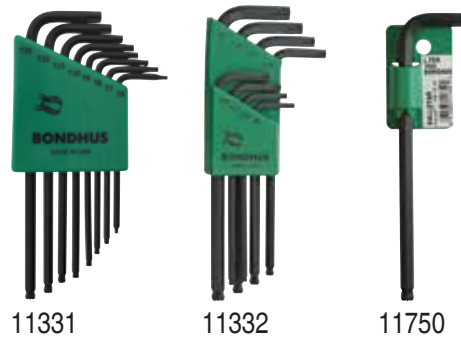


SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
11346	LTX6	6	Long	T6, T7, T8, T9, T10, T15 (Pouch)	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
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



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 TORX® L-Wrenches

ProGuard™ Finish



- Fits all TORX® and Star tamper resistant screws (not compatible with TORX PLUS® fasteners)
- Broad contact surface provides deep lobe engagement
- Straight, vertical sidewalls increase tool engagement and virtually eliminates camout

Tamper Resistant TORX® Tips



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
32431	TR-TL7S	7	Long	TR7, TR8, TR9, TR10, TR15, TR20, TR25	1
32434	TR-TL8	8	Long	TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	1

SINGLES LONG

SINGLE PACKAGING

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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



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.

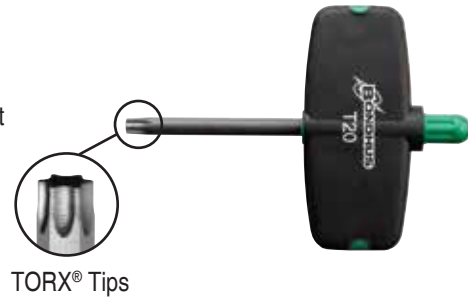
TORX® Wing Tools

ProGuard™ Finish



- Fits all TORX® and TORX PLUS® screws
- Fits all Star and Star Plus screws
- ComfortGrip Handles – soft rubber outer coating for maximum comfort and grip
- Broad contact surface provides deep lobe engagement
- Straight, vertical sidewalls increase tool engagement and virtually eliminates camout

 TORX®



TORX® Tips

Wing & Flag Tools

SETS

PART#	MODEL#	PCS	TIP	CONTENTS	QTY
34745	TWX7	7	TORX®	T6, T7, T8, T9, T10, T15, T20	1
33945	TPWX7	7	TORX PLUS®	IP 6, IP 7, IP 8, IP 9, IP 10, IP 15, IP 20	1

SINGLES TORX®

SIZE	INCH	MM	PART#	QTY
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 TORX PLUS®

SIZE	INCH	MM	PART#	QTY
6 IP	2.0	52	33906	2
7 IP	2.0	52	33907	2
8 IP	2.0	52	33908	2
9 IP	2.0	52	33909	2
10 IP	2.0	52	33910	2
15 IP	2.0	52	33915	2
20 IP	2.0	52	33920	2



33945



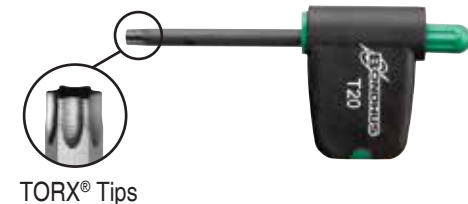
33915

TORX® Flag Tools

ProGuard™ Finish



- Fits all TORX® and TORX PLUS® screws
- Fits all Star and Star Plus screws
- ComfortGrip Handles – soft rubber outer coating for maximum comfort and grip
- Broad contact surface provides deep lobe engagement
- Straight, vertical sidewalls increase tool engagement and virtually eliminates camout



TORX® Tips

SETS

PART#	MODEL#	PCS	TIP	CONTENTS	QTY
34445	TFX7	7	TORX®	T6, T7, T8, T9, T10, T15, T20	1
35045	TPFX7	7	TORX PLUS®	IP 6, IP 7, IP 8, IP 9, IP 10, IP 15, IP 20	1

SINGLES TORX®

SIZE	INCH	MM	PART#	QTY
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 TORX PLUS®

SIZE	INCH	MM	PART#	QTY
-	-	-	-	-
6 IP	2.0	52	35006	2
7 IP	2.0	52	35007	2
8 IP	2.0	52	35008	2
9 IP	2.0	52	35009	2
10 IP	2.0	52	35010	2
15 IP	2.0	52	35015	2
20 IP	2.0	52	35020	2



34445



34420

Fold Ups



ADJUST

Tool user can adjust tool tension

FASTER & EASIER

Custom handle design makes every job faster and easier

STRONGER

Durable GorillaGrip® handle is stronger than steel handles



Color-Coded

- | | | |
|--------|-------------|------------|
| Inch | TORX® | Motorcycle |
| Metric | Inch/Metric | Utility |

ProTanium® HIGH TORQUE STEEL High Torque Steel

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

FINISH OPTIONS:

- ProGuard** DST Corrosion-resistant
 Environmentally safe, provides better tool grip, resists solvents and is 5x more corrosion resistant than competitor finishes.
- BriteGuard** FINISH Next generation chrome
 Traditional plated tool look with superior protection and durability.
- GoldGuard** FINISH Gold-color protective
 Superior protection and durability over traditional chrome and the look and shine of real gold.

TORX® and TORX PLUS® are trademarks of Acument Intellectual Properties, LLC.

Designed with the Tool User in mind

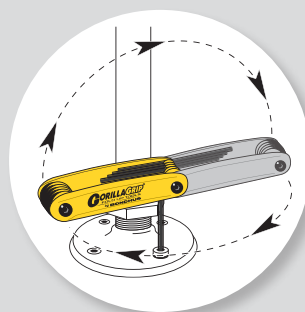
A Bondhus Fold Up is a tool for life. When designing the GorillaGrip® Fold Up, Bondhus engineers eliminated the problems of the average folding tool. GorillaGrip® Fold Up tools are stronger, more comfortable and easier to use.



Individual spacers between tools 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 & repositioning in screw head when working against obstructions.



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

GorillaGrip® Fold Up Multi Packs

ProGuard™ Finish



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



- Inch
- TORX®
- Motorcycle
- Metric
- Inch/Metric
- Utility

MULTI PACKS

IN/MM/TX	PART#	MODEL#	PCS	CONTENTS	QTY
■ ■	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

TORX® Fold Ups are assembled in the US from globally sourced components.

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
- Individual spacers between tools



Hex End Tips

SETS

PART#	MODEL#	PCS	CONTENTS	QTY
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

PART#	MODEL#	PCS	CONTENTS	QTY
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

PART#	MODEL#	PCS	CONTENTS	QTY
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
- Individual spacers between tools



Ball End Tips

SETS

PART#	MODEL#	PCS	CONTENTS	QTY
12894	BF5	5	3/16, 7/32, 1/4, 5/16, 3/8"	1

PART#	MODEL#	PCS	CONTENTS	QTY
12897	BF5M	5	5, 6, 7, 8, 10mm	1



12522



12587



12550



12894

Fold Ups

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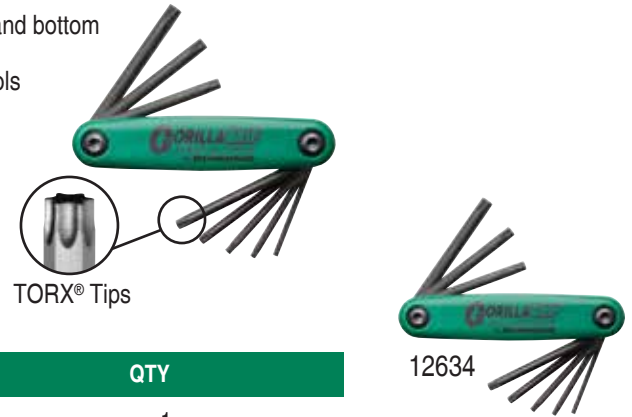
TORX® GorillaGrip® Fold Ups

ProGuard™ Finish



- Fits all TORX® and Star screws (not compatible with TORX PLUS® fasteners)
- World's strongest handle
- Speed-Wrench feature
- Tools open from both the top and bottom
- Molded-in 90° stop
- Individual spacers between tools

- Inch
- TORX®
- Motorcycle
- Metric
- Inch/Metric
- Utility



SETS

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

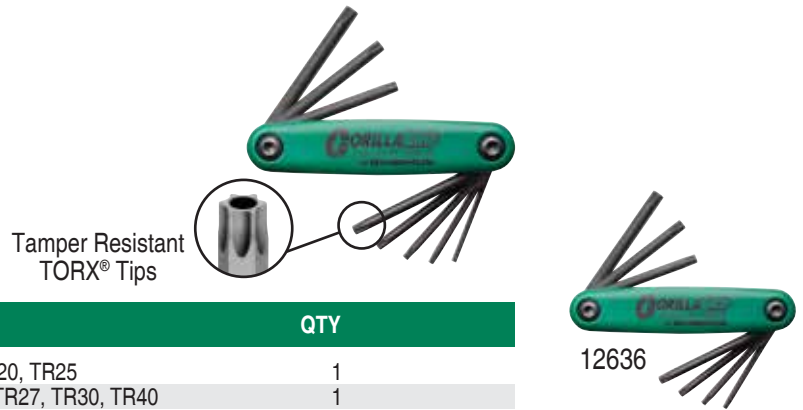
Fold Ups

Tamper Resistant TORX® GorillaGrip® Fold Ups

ProGuard™ Finish



- Fits all TORX® and Star tamper resistant screws (not compatible with TORX PLUS® fasteners)
- World's strongest handle
- Speed-Wrench feature
- Tools open from both the top and bottom
- Molded-in 90° stop
- Individual spacers between tools



SETS

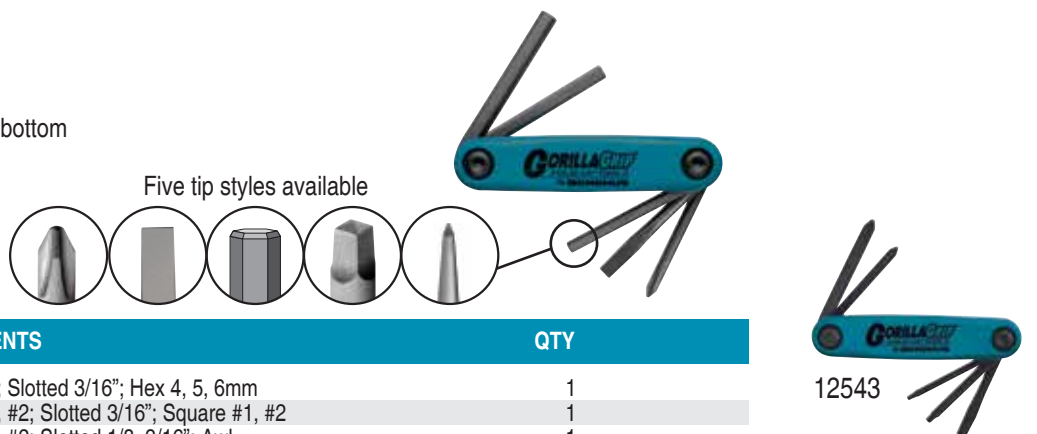
PART#	MODEL#	PCS	CONTENTS	QTY
12636	TR-TF7S	7	TR7, TR8, TR9, TR10, TR15, TR20, TR25	1
12638	TR-TF8	8	TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	1

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
- Individual spacers between tools



SETS

PART#	MODEL#	PCS	CONTENTS	QTY
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

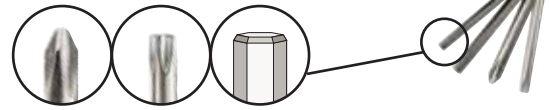
Hawg Buddy GorillaGrip® Motorcycle Fold Up BriteGuard™ Finish



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

- Inch
- TORX®
- Motorcycle
- Metric
- Inch/Metric
- Utility

Phillips, TORX® and Hex Tips



SETS

PART#	MODEL#	PCS	CONTENTS	QTY
-------	--------	-----	----------	-----

12531	FUHB7	7	PH #2; T27, T40; Hex 5/32, 3/16, 1/4, 5/16"	1
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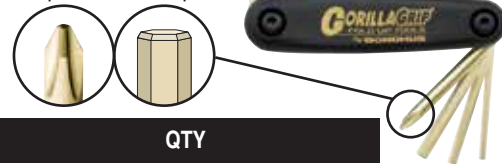
*Harley Davidson® is a Registered Trademark of Harley Davidson Motorcycles

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

Phillips and Hex Tips



SETS

PART#	MODEL#	PCS	CONTENTS	QTY
-------	--------	-----	----------	-----

12594	FUCB6	6	PH #2; Hex 3, 4, 5, 6, 8mm	1
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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

Available in Hex or TORX® Tips



SETS

PART#	MODEL#	PCS	CONTENTS	QTY
-------	--------	-----	----------	-----

14590	MHF8S	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

PART#	MODEL#	PCS	CONTENTS	QTY
-------	--------	-----	----------	-----

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

PART#	MODEL#	PCS	CONTENTS	QTY
-------	--------	-----	----------	-----

14532	MTF8S	8	T6, T7, T8, T9, T10, T15, T20, T25	1
14534*	MTF8	8	T9, T10, T15, T20, T25, T27, T30, T40	1

*Tetherable - tool handle has hole for lanyard/tether attachment



Select fold ups are tetherable and have a hole for lanyard or tether attachments

Keychain not included

Made in the U.S.A.

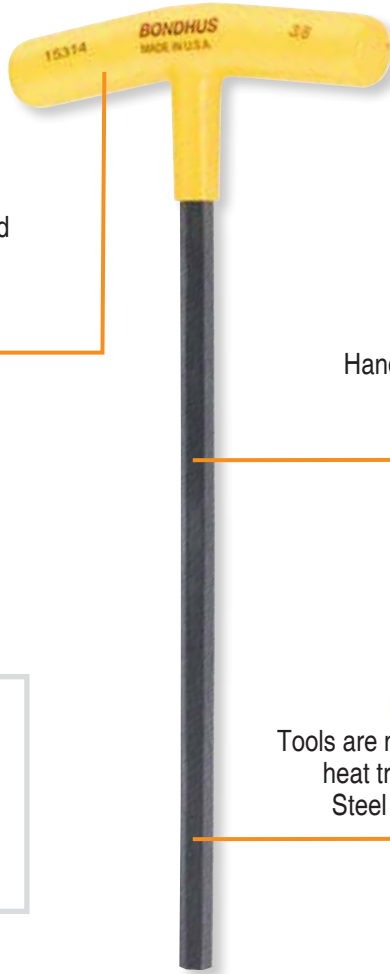
TORX® and TORX PLUS® are registered trademarks of Acument Intellectual
TORX® Fold Ups are assembled in the US from globally sourced components.



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

Fold Ups

T-Handles



COMFORT

Cushioned, curved handle increases comfort and reduces fatigue




TORQUE

Handles are designed to match torque capacity of blade

LONGER LIFE

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

Color-Coded

-  Inch
-  Metric
-  TORX®



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

FINISH OPTIONS:

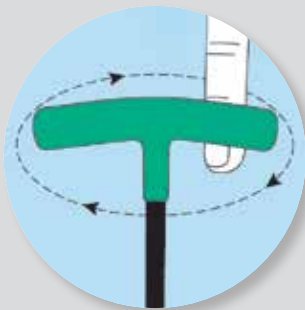


Environmentally safe, provides better tool grip, resists solvents and is 5x more corrosion resistant than competitor finishes.

TORX® and TORX PLUS® are trademarks of Acument Intellectual Properties, LLC.

A Better T-Handle

Bondhus T-Handles are built to be comfortable, strong and durable. 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.



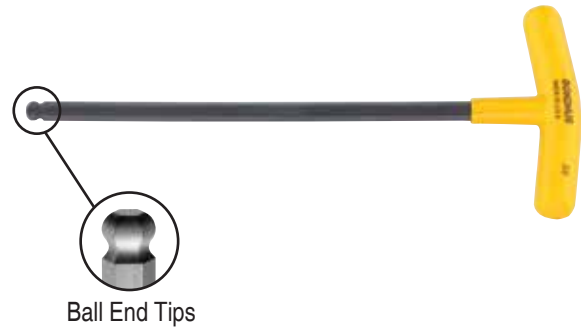
Bondhus is the only company to engineer our handles to match the blade's torque capacity. Tool user's can always feel confident in their tool's strength.

Ball End T-Handles

ProGuard™ Finish



- Solid steel handles
- Ergonomic handle design
- Flywheel effect saves time
- Smooth, non-porous handle coating
- Handle coating extends along blade
- Ball End inserts into screw at a 25° angle



- Inch
- Inch/Metric
- Metric



Ball End Tips

SETS

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
13199*	BTX9IN/MM	9	Graduated		1/8, 5/32, 3/16, 1/4, 5/16" & 3, 4, 5, 6mm	1

*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



13189

T-Handles

SINGLES



SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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



13148



13114

53256



SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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 TORX® configurations

PART#	DESCRIPTION	QTY
17936	Inch Stand	1
17935	Metric Stand	1
17934	TORX® Stand	1



Set stand on bench or mount on wall.



TORX® and TORX PLUS® are registered trademarks of Acument Intellectual Properties, LLC.



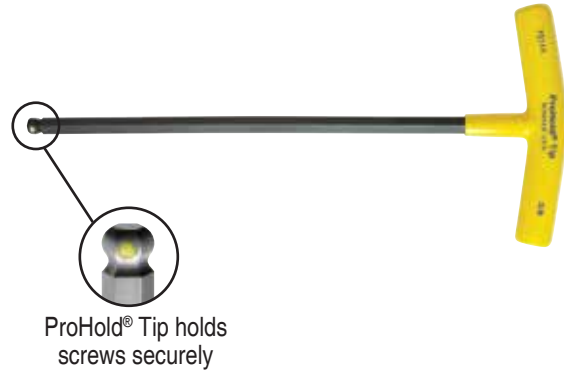
ProHold® Tip Ball End T-Handles

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
- Ball End inserts into screw at a 25° angle

- Inch
- Metric



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
75146	PBTX60	6	Graduated	5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
75148	PBTX50M	5	Graduated	4, 5, 6, 8, 10mm	1

T-Handles

SINGLES



SIZE	INCH	MM	INCH	MM	PART#	QTY
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



75148



75176



SIZE	INCH	MM	INCH	MM	PART#	QTY
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



Hex End T-Handle Sets

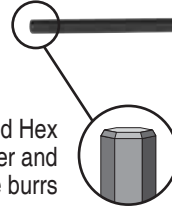
ProGuard™ Finish



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

- Inch
- Inch/Metric
- Metric

Chamfered Hex Tips fit tighter and eliminate burrs



SETS

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
15299	HTX9-6IN/MM	9	6 inch		1/8, 5/32, 3/16, 1/4, 5/16" & 3, 4, 5, 6mm	1

✓ Comes with stand 17936 Inch or 17935 Metric



13390



13389



15238



13348

— T — For singles see page 38 — T —

Hex End T-Handle Singles

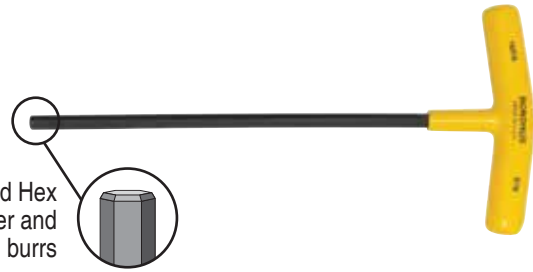
ProGuard™ Finish



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

█ Inch
█ Metric

Chamfered Hex Tips fit tighter and eliminate burrs



T-Handles

SINGLES 6" LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
5/64	6.0	152	3.0	76	15204	2	45204	2
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 6" LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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 9" LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
5/64	9.0	229	3.0	76	15304	2
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

SINGLES 9" LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
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



6" Blade
15208

6" Blade
45254

SINGLES GRADUATED LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
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 14" LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
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



9" Blade
15308

14" Blade
16468

SINGLES GRADUATED LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
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



For sets see page 37

Loop T-Handles

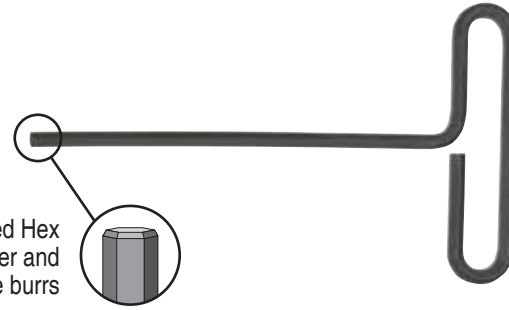
ProGuard™ Finish



- 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

Inch Metric

Chamfered Hex Tips fit tighter and eliminate burrs



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
15432	LTX80P-6	8	6 inch	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1
15438	LTX10P-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
15532	LTX80P-9	8	9 inch	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1
15538	LTX10P-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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
15448	LTX50P-6	5	6 inch	2.5, 3, 4, 5, 6mm	1
15487	LTX80MP-6	8	6 inch	2, 2.5, 3, 4, 5, 6, 8, 10mm	1
15548	LTX50P-9	5	9 inch	2.5, 3, 4, 5, 6mm	1
15587	LTX80MP-9	8	9 inch	2, 2.5, 3, 4, 5, 6, 8, 10mm	1

SINGLES 3" BLADE LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
3/32	3.6	90	2.8	70	15605	2
7/64	3.6	91	2.8	70	15606	2
1/8	3.6	92	3.0	76	15607	2
9/64	3.7	93	3.0	76	15608	2
5/32	3.7	94	3.0	76	15609	2
3/16	3.8	95	4.0	102	15610	2
7/32	3.8	97	4.0	102	15611	2
1/4	3.9	98	4.0	102	15612	2
5/16	4.4	111	6.0	152	15613	2
3/8	4.5	114	6.0	152	15614	2



Set 15448



3" Blade 15605



6" Blade 15460



9" Blade 15511

T-Handles

SINGLES 6" BLADE LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
3/32	6.6	167	2.8	70	15405	2
7/64	6.6	167	2.8	70	15406	2
1/8	6.6	168	3.0	76	15407	2
9/64	6.7	169	3.0	76	15408	2
5/32	6.7	170	3.0	76	15409	2
3/16	6.8	171	4.0	102	15410	2
7/32	6.8	173	4.0	102	15411	2
1/4	6.9	175	4.0	102	15412	2
5/16	7.4	187	6.0	152	15413	2
3/8	7.5	191	6.0	152	15414	2

SINGLES 6" BLADE LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
2.0	6.5	166	2.7	70	15452	2
2.5	6.6	167	2.7	70	15454	2
3	6.6	168	3.0	76	15456	2
4	6.7	170	3.0	76	15460	2
5	6.8	172	4.0	102	15464	2
6	6.8	174	4.0	102	15468	2
8	7.4	187	6.0	152	15472	2
10	7.5	191	6.0	152	15476	2

SINGLES 9" BLADE LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
3/32	9.6	243	2.8	70	15505	2
7/64	9.6	244	2.8	70	15506	2
1/8	9.6	244	3.0	76	15507	2
9/64	9.7	245	3.0	76	15508	2
5/32	9.7	246	3.0	76	15509	2
3/16	9.8	248	4.0	102	15510	2
7/32	9.8	249	4.0	102	15511	2
1/4	9.9	251	4.0	102	15512	2
5/16	10.4	264	6.0	152	15513	2
3/8	10.5	267	6.0	152	15514	2

SINGLES 9" BLADE LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
2.0	9.5	242	2.8	70	15552	2
2.5	9.6	243	2.8	70	15554	2
3	9.6	244	3.0	76	15556	2
4	9.7	246	3.0	76	15560	2
5	9.8	248	4.0	102	15564	2
6	9.8	250	4.0	102	15568	2
8	10.4	264	6.0	152	15572	2
10	10.5	268	6.0	152	15576	2



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

Made in the U.S.A.

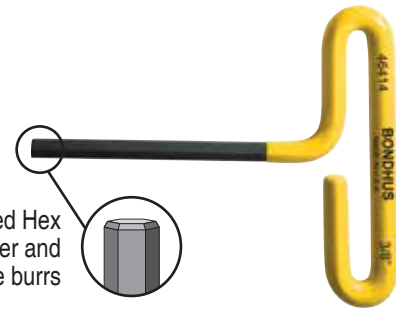
Cushion Grip Loop T-Handles

ProGuard™ Finish



- Coated handles for user comfort
- 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



- Inch
- Metric

SETS

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
46432	CTHX80-6	8	6 inch		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1
46532	CTHX80-9	8	9 inch		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	1
46490	CTHX10/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
46438	CTHX10-6	10	6 inch		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1
46590	CTHX10/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
46538	CTHX10-9	10	9 inch		3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
46448	CTHX60M-6	6	6 inch		2, 2.5, 3, 4, 5, 6mm	1
46548	CTHX60M-9	6	9 inch		2, 2.5, 3, 4, 5, 6mm	1
46489	CTHX80M/S-6	8	6 inch	✓	2, 2.5, 3, 4, 5, 6, 8, 10mm	1
46487	CTHX80M-6	8	6 inch		2, 2.5, 3, 4, 5, 6, 8, 10mm	1
46589	CTHX80M/S-9	8	9 inch	✓	2, 2.5, 3, 4, 5, 6, 8, 10mm	1
46587	CTHX80M-9	8	9 inch		2, 2.5, 3, 4, 5, 6, 8, 10mm	1

T-Handles

SINGLES 6" BLADE LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
5/64	6.6	167	2.8	70	46404	2
3/32	6.6	167	2.8	70	46405	2
7/64	6.6	167	2.8	70	46406	2
1/8	6.6	168	3.0	76	46407	2
9/64	6.7	169	3.0	76	46408	2
5/32	6.7	170	3.0	76	46409	2
3/16	6.8	171	4.0	102	46410	2
7/32	6.8	173	4.0	102	46411	2
1/4	6.9	175	4.0	102	46412	2
5/16	7.4	187	6.0	152	46413	2
3/8	7.5	191	6.0	152	46414	2

SINGLES 6" BLADE LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
2.0	6.5	166	2.7	70	46452	2
2.5	6.6	167	2.7	70	46454	2
3	6.6	168	3.0	76	46456	2
4	6.7	170	3.0	76	46460	2
5	6.8	172	4.0	102	46464	2
6	6.8	174	4.0	102	46468	2
8	7.4	187	6.0	152	46472	2
10	7.5	191	6.0	152	46476	2



Set
46438

SINGLES 9" BLADE LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
5/64	9.6	243	2.8	70	46504	2
3/32	9.6	243	2.8	70	46505	2
7/64	9.6	244	2.8	70	46506	2
1/8	9.6	244	3.0	76	46507	2
9/64	9.7	245	3.0	76	46508	2
5/32	9.7	246	3.0	76	46509	2
3/16	9.8	248	4.0	102	46510	2
7/32	9.8	249	4.0	102	46511	2
1/4	9.9	251	4.0	102	46512	2
5/16	10.4	264	6.0	152	46513	2
3/8	10.5	267	6.0	152	46514	2

SINGLES 9" BLADE LENGTH



SIZE	INCH	MM	INCH	MM	PART#	QTY
2.0	9.5	242	2.8	70	46552	2
2.5	9.6	243	2.8	70	46554	2
3	9.6	244	3.0	76	46556	2
4	9.7	246	3.0	76	46560	2
5	9.8	248	4.0	102	46564	2
6	9.8	250	4.0	102	46568	2
8	10.4	264	6.0	152	46572	2
10	10.5	268	6.0	152	46576	2



6" Blade
46408

6" Blade
46468



9" Blade
46509

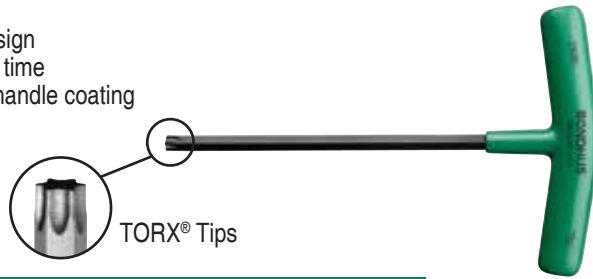
9" Blade
46560

TORX® T-Handles

ProGuard™ Finish



- Fits all TORX® and Star screws (not compatible with TORX PLUS® fasteners)
- Solid steel handles
- Ergonomic handle design
- Flywheel effect saves time
- Smooth, non-porous handle coating



SETS

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
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
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



33034



33030

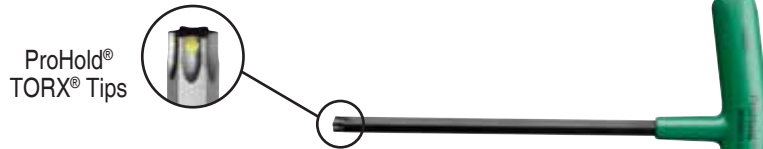
T-Handles

ProHold® TORX® T-Handles

ProGuard™ Finish



- Fits all TORX® and Star screws (not compatible with TORX PLUS® fasteners)
- Holds screw tight on the tool EVERY TIME
- Button is non-magnetic



SETS

PART#	MODEL#	PCS	LENGTH	W/STAND	CONTENTS	QTY
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
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

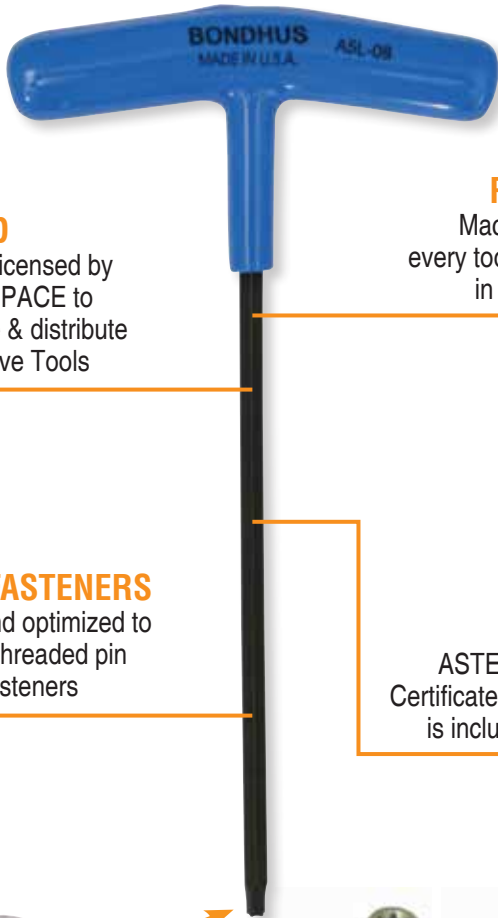


74034



74025

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LICENSED

Bondhus is licensed by LISI AEROSPACE to manufacture & distribute ASTER™ Drive Tools

ASTER™ FASTENERS

Designed and optimized to fit ASTER™ threaded pin one-sided fasteners

PRECISION

Machining means every tool fits perfectly in fastener head

CERTIFIED

ASTER™ Drive Tool Certificate of Conformity is included with tools



L-WRENCHES

PART#	SIZE	DESCRIPTION	QTY
81705	5/32	A5L-05 ASTER™ Recess L-Wrench	1
81706	6/32	A5L-06 ASTER™ Recess L-Wrench	1
81707	7/32	A5L-07 ASTER™ Recess L-Wrench	1
81708	8/32	A5L-08 ASTER™ Recess L-Wrench	1
81710	10/32	A5L-10 ASTER™ Recess L-Wrench	1
81712	12/32	A5L-12 ASTER™ Recess L-Wrench	1

T-HANDLES

PART#	SIZE	DESCRIPTION	QTY
82705	5/32	A5L-05 ASTER™ Recess T-Handle	1
82706	6/32	A5L-06 ASTER™ Recess T-Handle	1
82707	7/32	A5L-07 ASTER™ Recess T-Handle	1
82708	8/32	A5L-08 ASTER™ Recess T-Handle	1



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

FINISH OPTIONS:



Corrosion-resistant

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

The ASTER™ System

	ASTER™ RECESS	HEX RECESS
Before installation		
After installation	 The ASTER™ recess remains intact	 Hex recess rounded with broken bit in position
Stress comparison		

- The ASTER™ system offers the best performance in torque capability for one-sided installation threaded fastener systems.
- The specific geometry is designed to reduce radial stress in the fastener providing higher torque transmission.
- Installation issues encountered with hexagonal hold systems, such as hex recess wear and damages situations, are resolved without impacting fastener performance.
- The patented ASTER™ five-lobe system was developed to eliminate installation problems associated with clearance-fit or transition fit applications by sustaining higher torque than the conventional hex recess for one-side assembly threaded fasteners.



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

FINISH OPTIONS:

- 
Corrosion-resistant
 Environmentally safe, provides better tool grip, resists solvents and is 5x more corrosion resistant than competitor finishes.
- 
Next generation chrome
 Traditional plated tool look with superior protection and durability.
- 
Gold-color protective
 Superior protection and durability over traditional chrome and the look and shine of real gold.

TORX® and TORX PLUS® are trademarks of Acument Intellectual Properties, LLC.

ERGONOMIC

Ergonomic handle design greatly reduces pain and discomfort associated with repetitive tasks

GRIP

Non-slip grip generates maximum torque even when wet or oily




ANTI-ROLL

The handle's anti-roll design prevents rolling on vibrating surfaces and inclines up to 15°

DURABLE

Two component ComfortGrip Handle is durable and comfortable

Color-Coded

-  Inch
-  Metric
-  TORX®

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.

Ball End Screwdrivers

ProGuard™ Finish



- Ball End inserts into screw at a 25° angle
- Two component handle with tough inner core and cushioned rubber exterior

- Ergonomic handle design
- Non-slip grip
- Anti-roll design

■ Inch ■ Metric



SETS

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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

PART#	MODEL#	PCS	LENGTH	CONTENTS	QTY
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



10632

10686

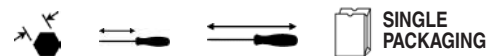
Screwdrivers

SINGLES STANDARD



SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
.050	2.4	60	4.1	104	10602	2	40602	2
1/16	2.5	64	4.7	118	10603	2	40603	2
5/64	2.6	67	4.8	122	10604	2	40604	2
3/32	2.8	71	5.2	132	10605	2	40605	2
7/64	2.9	74	5.3	136	10606	2	40606	2
1/8	3.1	80	6.6	168	10607	2	40607	2
9/64	3.3	83	6.8	171	10608	2	40608	2
5/32	3.6	91	7.9	201	10609	2	40609	2
3/16	3.7	94	8.0	204	10610	2	40610	2
7/32	4.2	107	9.0	230	10611	2	40611	2
1/4	5.0	126	9.8	249	10612	2	40612	2
5/16	5.6	142	10.4	265	10613	2	40613	2
3/8	6.5	164	11.3	287	10614	2	40614	2
7/16	7.6	194	12.5	317	10615	1	-	-
1/2	8.6	217	13.4	340	10616	1	-	-

SINGLES LONG



SIZE	INCH	MM	INCH	MM	PART#	QTY
-	-	-	-	-	-	-
-	-	-	-	-	-	-
5/64	4.3	110	6.5	164	10704	2
3/32	4.8	122	7.2	184	10705	2
7/64	5.9	151	8.4	212	10706	2
1/8	6.4	164	9.9	252	10707	2
9/64	6.9	176	10.4	264	10708	2
5/32	7.4	189	11.8	299	10709	2
3/16	7.9	202	12.3	312	10710	2
7/32	8.4	214	13.3	337	10711	2
1/4	8.9	227	13.7	349	10712	2
5/16	9.5	241	14.3	364	10713	2
3/8	9.9	252	14.8	376	10714	2
-	-	-	-	-	-	-
-	-	-	-	-	-	-



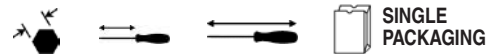
40606

SINGLES STANDARD



SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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
2.5	2.7	69	5.1	130	10654	2	40654	2
3.0	3.3	83	6.7	171	10656	2	40656	2
3.5	3.5	88	6.9	176	10658	1	40658	1
4.0	3.7	95	8.1	205	10660	2	40660	2
4.5	4.3	109	8.6	218	10662	1	-	-
5.0	4.3	109	8.6	219	10664	2	40664	2
5.5	5.0	126	9.3	236	10666	1	-	-
6	5.4	137	10.2	260	10668	2	40668	2
7	5.7	145	10.5	268	10670	1	-	-
8	6.4	162	11.2	286	10672	2	40672	2
9	6.9	175	11.7	298	10674	1	-	-
10	7.3	184	12.1	307	10676	2	40676	2

SINGLES LONG



SIZE	INCH	MM	INCH	MM	PART#	QTY
-	-	-	-	-	-	-
-	-	-	-	-	-	-
2.0	4.0	102	6.2	157	10752	2
2.5	4.3	110	6.7	171	10754	2
3.0	6.2	158	9.7	247	10756	2
-	-	-	-	-	-	-
4.0	7.0	179	11.4	288	10760	2
-	-	-	-	-	-	-
5.0	7.8	198	12.1	308	10764	2
-	-	-	-	-	-	-
6	8.6	218	13.4	341	10768	2
-	-	-	-	-	-	-
8	9.3	237	14.2	360	10772	2
-	-	-	-	-	-	-
10	10.2	259	15.0	382	10776	2



10607 10772

For Extra Long Length Singles see page 45

Ball End Screwdriver Extra Long

ProGuard™ Finish

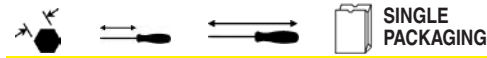


- Ball End inserts into screw at a 25° angle
- Ergonomic handle design
- Non-slip grip

■ Inch ■ Metric



SINGLES EXTRA LONG



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

SINGLES EXTRA LONG



SIZE	INCH	MM	INCH	MM	PART#	QTY
1.5	11.0	279	13.2	334	3750	1
2.0	11.0	279	13.2	334	3752	1
2.5	10.5	267	12.9	328	3754	1
3.0	10.6	270	14.1	358	3756	1
4.0	10.5	267	14.8	377	3760	1
5.0	10.3	260	14.6	370	3764	1
6	10.3	260	15.1	383	3768	1
8	10.3	260	15.1	383	3772	1
10	10.3	260	15.1	383	3776	1



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



SETS

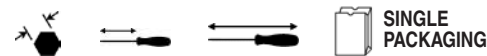
PART#	MODEL#	PCS	CONTENTS	QTY
74632	PBSX8S	8	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1
74637	PBSX13	13	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1

PART#	MODEL#	PCS	CONTENTS	QTY
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



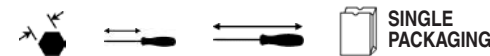
74699

SINGLES



SIZE	INCH	MM	INCH	MM	PART#	QTY
.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
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
7	5.7	145	10.5	267	74670	2
8	6.4	162	11.2	286	74672	2
9	6.9	175	11.7	297	74674	2
10	7.3	184	12.1	307	74676	2



74612 74664

Made in the U.S.A.

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

Screwdrivers

Ball End Screwdrivers

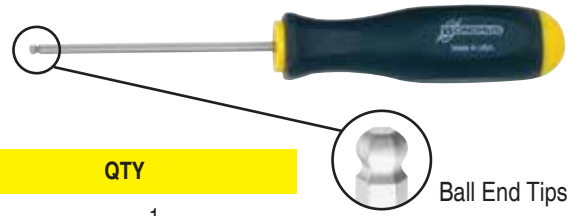
BriteGuard™ Finish

 Inch  Metric



- Ball End inserts into screw at a 25° angle
- Two component handle with tough inner core and cushioned rubber exterior

- Ergonomic handle design
- Non-slip grip
- Anti-roll design



Ball End Tips

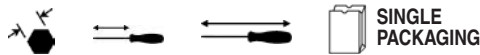
SETS

PART#	MODEL#	PCS	CONTENTS	QTY
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

PART#	MODEL#	PCS	CONTENTS	QTY
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

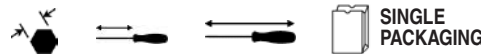


SINGLES



SIZE	INCH	MM	INCH	MM	PART#	QTY
.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
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



Screwdrivers

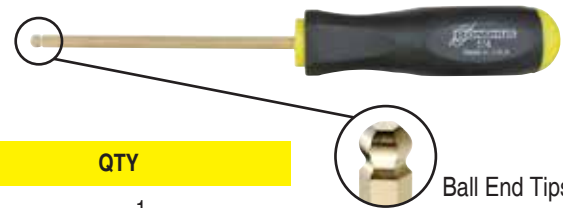
Ball End Screwdrivers

GoldGuard™ Finish



- Ball End inserts into screw at a 25° angle
- Two component handle with tough inner core and cushioned rubber exterior

- Ergonomic handle design
- Non-slip grip
- Anti-roll design



Ball End Tips

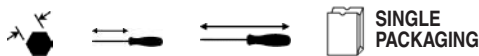
SETS

PART#	MODEL#	PCS	CONTENTS	QTY
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

PART#	MODEL#	PCS	CONTENTS	QTY
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

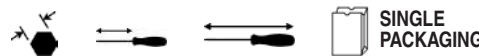


SINGLES



SIZE	INCH	MM	INCH	MM	PART#	QTY
.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
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



Made in the U.S.A.



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

TORX® Tip Screwdrivers

ProGuard™ Finish



- Fits all TORX® and Star screws (not compatible with TORX PLUS® fasteners)
- Burr free tool tips help tools seat fully in screw head
- Precision machined tips transfer more torque to the screw & reduces stripping

- Broad contact surface provides deep lobe engagement
- Straight, vertical sidewalls increase tool engagement and virtually eliminates camout



TORX®

SETS

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

SINGLES

SIZE	INCH		MM		PART#	QTY
	INCH	MM	INCH	MM		
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



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 TORX® tool finish.

Screwdrivers

ProHold® TORX® Screwdrivers

ProGuard™ Finish



- Fits all TORX® and Star screws (not compatible with TORX PLUS® fasteners)
- Holds screw tight on the tool EVERY TIME

- Button is non-magnetic
- Broad contact surface provides deep lobe engagement



SETS

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

SINGLES

SIZE	INCH		MM		PART#	QTY
	INCH	MM	INCH	MM		
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



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).



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BallStar™ Tip Screwdrivers

ProGuard™ Finish



- Fits all TORX® and Star 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



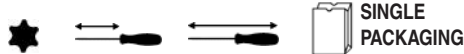
TORX®



SETS

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

SINGLES



SIZE	INCH	MM	INCH	MM	PART#	QTY
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



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°.

Screwdrivers

Tamper Resistant TORX® Screwdrivers

ProGuard™ Finish



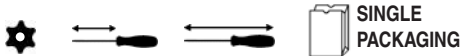
- Fits all TORX® and Star tamper resistant screws (not compatible with TORX PLUS® fasteners)
- Burr free tool tips help tools seat fully in screw head
- Precision machined tips transfer more torque to the screw & reduces stripping



SETS

PART#	MODEL#	PCS	CONTENTS	QTY
33831	TR-SX7S	7	TR7, TR8, TR9, TR10, TR15, TR20, TR25	1
33834	TR-SX8	8	TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	1

SINGLES



SIZE	INCH	MM	INCH	MM	PART#	QTY
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



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



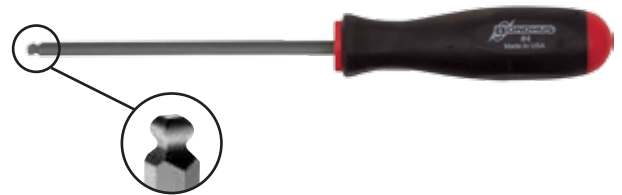
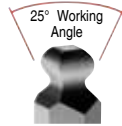
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Square Ball End Screwdrivers

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



Square Ball Tips

SETS

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

SINGLES



SINGLE PACKAGING

SIZE	INCH	MM	INCH	MM	PART#	QTY
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



11640



11600

11604

Hollow Shaft 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



■ Inch ■ Metric

SETS

PART#	MODEL#	PCS	CONTENTS	QTY
48445	BNX7	7	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2"	1

PART#	MODEL#	PCS	CONTENTS	QTY
48492	BNX7M	7	6, 7, 8, 9, 10, 11, 12mm	1
48496	BNX7ML	7	6, 7, 8, 9, 10, 11, 13mm	1



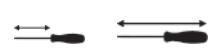
48492



38472

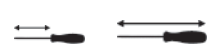
48414

SINGLES



SINGLE PACKAGING TAGGED/BARCODED

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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



SINGLE PACKAGING TAGGED/BARCODED

SIZE	INCH	MM	INCH	MM	PART#	QTY	PART#	QTY
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

Nut Drivers

ClickSet™ TLD (Torque Limiting Device)



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

FINISH OPTIONS:



Impermeable polymer surface
Impermeable polymer surface provides extra corrosion protection. Environmentally friendly - no harsh chemicals, acids or metals used in the finish.



TORX® and TORX PLUS® are trademarks of Acument Intellectual Properties, LLC.

PROTECTS

ClickSet™ handle protects from overtorquing

PRESET

Wide range of factory preset torque limiting handles – no adjustment needed

REDUCES WEAR

Reduces fastener wear and stripping. Prevents damage to carbide inserts. Perfect for use with aluminum and plastic screws.

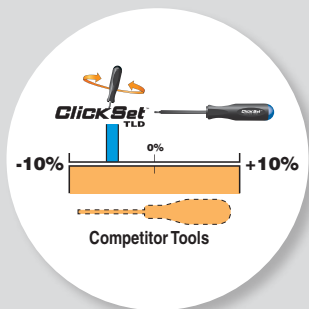
CLICK

When the preset torque level is reached, the mechanism slips and makes an audible “click”

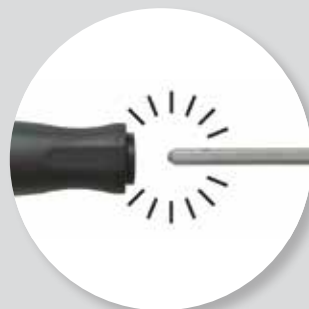
CONSISTENT

+/- 10% repeatability

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. Slight texture 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.

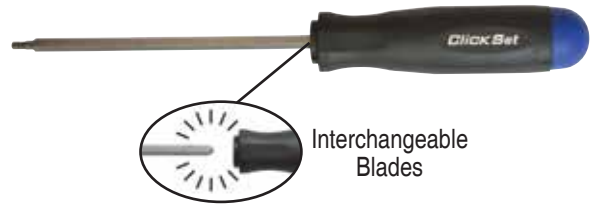
ClickSet™ TLD (Torque Limiting Device)

TuffKote™ Finish

TUFFKOTE™
Clear Coat 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”
- Reduces potential damage to carbide inserts
- Impermeable clear coat finish for extra corrosion protection

- Protects from overtorquing
- Reduces fastener wear and stripping
- +/- 10% repeatability
- Ergonomic handle design



Interchangeable Blades

Inch Metric TORX®



BLADES

PART#	TIP	DRIVE	QTY
50102	.050"	5mm	1
50103	1/16"	5mm	1
50104	5/64"	5mm	1
50105	3/32"	5mm	1
50106	7/64"	5mm	1
50107	1/8"	5mm	1

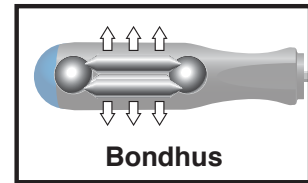
PART#	TIP	DRIVE	QTY
50150	1.5mm	5mm	1
50152	2.0mm	5mm	1
50154	2.5mm	5mm	1
50156	3.0mm	5mm	1

PART#	TIP	DRIVE	QTY
50205	T5	5mm	1
50206	T6	5mm	1
50207	T7	5mm	1
50208	T8	5mm	1
50209	T9	5mm	1
50210	T10	5mm	1
50215	T15	5mm	1



HANDLES ONLY

PART#	TORQUE	QTY
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

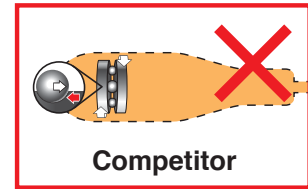


Bondhus

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 TORX PLUS®

PART#	TIP	DRIVE	QTY
50305	5 IP	5mm	1
50306	6 IP	5mm	1
50307	7 IP	5mm	1
50308	8 IP	5mm	1
50309	9 IP	5mm	1
50310	10 IP	5mm	1
50315	15 IP	5mm	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 TORX®

PART#	TIP	DRIVE	QTY
50004	T5	5mm	1
50005	T6	5mm	1
50008	T7	5mm	1
50010	T8	5mm	1
50012	T9	5mm	1
50017	T10	5mm	1
50026	T15	5mm	1

HANDLE TORQUE
4.4 in-lb/0.5 Nm
5.3 in-lb/0.6 Nm
8.0 in-lb/0.9 Nm
10.6 in-lb/1.2 Nm
12.4 in-lb/1.4 Nm
22.1 in-lb/2.5 Nm
31.0 in-lb/3.5 Nm

SETS TORX PLUS®

PART#	TIP	DRIVE	QTY
50054	5 IP	5mm	1
50055	6 IP	5mm	1
50058	7 IP	5mm	1
50060	8 IP	5mm	1
50062	9 IP	5mm	1
50067	10 IP	5mm	1
50076	15 IP	5mm	1

ClickSet™ TLD (Torque Limiting Device)

TuffKote™ Finish

TUFFKOTE™
Clear Coat Finish

- Accepts all 1/4" bits

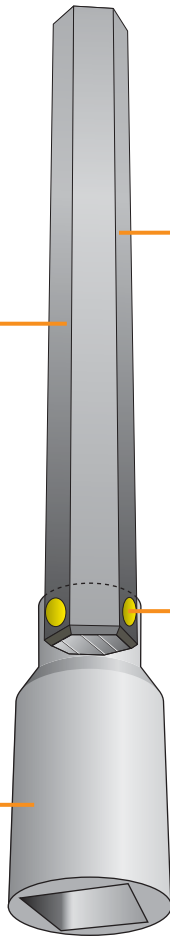
PART#	QTY
50125	1



All Bondhus® tools are made with Protanium® High Torque Steel. TORX® and TORX PLUS® are registered trademarks of Acument Intellectual Properties, LLC. Made in the U.S.A.

Screwdrivers

Socket Bits



ECONOMICAL

The most economical solution available

STANDARD

Bits can be used with any standard six point socket

OPTIONS

Bits can be purchased with or without sockets

SECURE

ProHold® technology holds bits securely but remains easy to remove without the use of special tools



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

FINISH OPTIONS:



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

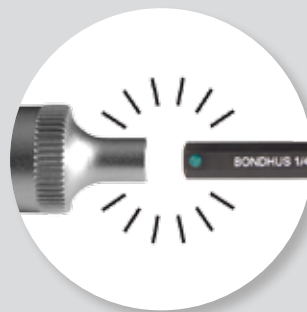


ProHold® Socket Bit Technology

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.

Hex End Socket Bits

ProGuard™ Finish

 Inch  Metric



- 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



SETS

PART#	MODEL#	PCS	BIT LGTH	DRIVE	DESCRIPTION	CONTENTS	QTY
30299	PHX9/S-2C	9	2"/50mm	3/8" 1/2"*	Sockets & Bits	5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2*, 9/16*, 5/8**	1
23299	PHX9-2C	9	2"/50mm		Bits Only	5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8"	1
33645	PHX5-6C	5	6"/150mm		Bits Only	5/16, 3/8, 1/2, 9/16, 5/8"	1
30645	PHX5/S-6C	5	6"/150mm	1/2"	Sockets & Bits	5/16, 3/8, 1/2, 9/16, 5/8"	1

PART#	MODEL#	PCS	BIT LGTH	DRIVE	DESCRIPTION	CONTENTS	QTY
30298	PHX9M/S-2C	9	2"/50mm	3/8", 1/2"*	Sockets & Bits	4, 5, 6, 7, 8, 10, 12*, 14*, 17mm*	1
23246	PHX6M-2C	6	2"/50mm		Bits Only	4, 5, 6, 7, 8, 10mm	1
23298	PHX9M-2C	9	2"/50mm		Bits Only	4, 5, 6, 7, 8, 10, 12, 14, 17mm	1
23296	PHX9ML-2C	9	2"/50mm		Bits Only	5, 6, 7, 8, 10, 12, 14, 17, 19mm	1
33646	PHX6M-6C	6	6"/150mm		Bits Only	4, 5, 6, 7, 8, 10mm	1
30646	PHX6M/S-6C	6	6"/150mm	3/8"	Sockets & Bits	4, 5, 6, 7, 8, 10mm	1



Molded Black Case

SINGLES

SIZE	BIT ONLY		SOCKET & BIT		DRIVE
	PART#	QTY	PART#	QTY	
	2" LONG		50mm LONG		
1/8	33207	1	43207	1	1/4"
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"
7/16	33215	1	-	-	-
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"
	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	-	-	-
	6" LONG		150mm LONG		
1/8	33607	1	43507	1	1/4"
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"
7/16	33615	1	-	-	-
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	BIT ONLY		SOCKET & BIT		DRIVE
	PART#	QTY	PART#	QTY	
	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"
	2.5" LONG		65mm LONG		
22	33291	1	-	-	-
24	33293	1	-	-	-
27	33295	1	-	-	-
32	33297	1	-	-	-
36	33200	1	-	-	-
	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"



Bit Only



Socket & Bit

Socket Bits

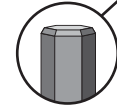
Hex End Replacement Socket Bits

ProGuard™ Finish



Quick and easy bit replacement for common socket bits!

- ProHold® technology eliminates the need for roll pin or set screw to retain bit in socket
- Protanium® steel is up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel
- ProGuard™ dry surface finish delivers superior corrosion protection
- Lifetime warranty



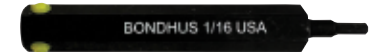
Hex End Tips

SINGLES

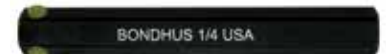
BIT ONLY			
SIZE	STOCK SIZE	PART#	QTY
2" LONG/50mm LONG			
.050	3/16	33502	1
1/16	1/4	33503	1
5/64	1/4	33504	1
3/32	1/4	33505	1
7/64	1/4	33506	1
1/8	1/4	33507	1
9/64	1/4	33508	1
5/32	1/4	33509	1
3/16	1/4	33510	1
7/32	1/4	33511	1
1/4	1/4	33212	1
5/16	5/16	33213	1
3/8	3/8	33214	1
7/16	7/16	33215	1
1/2	1/2	33216	1
9/16	9/16	33217	1
5/8	5/8	33218	1
3/4	3/4	33219	1

SINGLES

BIT ONLY			
SIZE	STOCK SIZE	PART#	QTY
2" LONG/50mm LONG			
1.5	1/4	33550	1
2.0	1/4	33552	1
2.5	1/4	33554	1
3.0	1/4	33556	1
4.0	1/4	33560	1
5.0	1/4	33564	1
6	1/4	33568	1
7	7mm	33270	1
8	8mm	33272	1
9	9mm	33274	1
10	10mm	33276	1
12	12mm	33280	1
13	13mm	33282	1
14	14mm	33284	1
15	15mm	33285	1
17	17mm	33286	1
18	18mm	33287	1
19	19mm	33288	1



33503



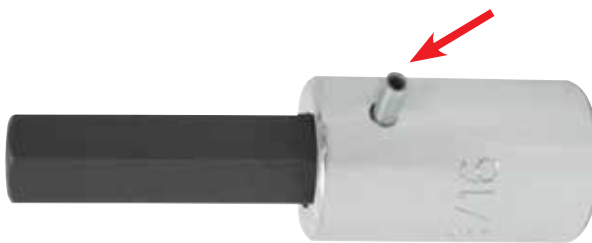
33212



33274

Socket Bits

No need to replace socket and bit; you can just replace the bit and re-use the socket.



*For sockets without a set screw or roll pin, please refer to page 53 for a socket plus bit combo.



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



■ Inch ■ Metric

SETS

PART#	MODEL#	PCS	BIT LGTH	DRIVE	DESCRIPTION	CONTENTS	QTY
23445	PHBX7-2C	7	2"/50mm		Bits Only	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1
30445	PHBX7/S-2C	7	2"/50mm	3/8", 1/4"*	Sockets & Bits	1/8*, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1
31645	PHBX7-6C	7	6"/150mm		Bits Only	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1
30845	PHBX7/S-6C	7	6"/150mm	3/8", 1/4"*	Sockets & Bits	1/8*, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1

PART#	MODEL#	PCS	BIT LGTH	DRIVE	DESCRIPTION	CONTENTS	QTY
23487	PHBX8M-2C	8	2"/50mm		Bits Only	3, 4, 5, 6, 7, 8, 9, 10mm	1
30487	PHBX8M/S-2C	8	2"/50mm	3/8"	Sockets & Bits	3, 4, 5, 6, 7, 8, 9, 10mm	1
31687	PHBX8M-6C	8	6"/150mm		Bits Only	3, 4, 5, 6, 7, 8, 9, 10mm	1
30887	PHBX8M/S-6C	8	6"/150mm	3/8"	Sockets & Bits	3, 4, 5, 6, 7, 8, 9, 10mm	1



Molded Black Case

SINGLES

SIZE	BIT ONLY		SOCKET & BIT		DRIVE
	PART#	QTY	PART#	QTY	
	2" LONG		50mm LONG		
1/8	31407	1	43407	1	1/4"
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		
1/8	31607	1	43807	1	1/4"
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	BIT ONLY		SOCKET & BIT		DRIVE
	PART#	QTY	PART#	QTY	
	2" LONG		50mm LONG		
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		
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"



Bit Only



Socket & Bit

Socket Bits

TORX® Socket Bits

ProGuard™ Finish



- Fits all TORX® and Star screws (not compatible with TORX PLUS® fasteners)
- 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



■ TORX® ■ Metric

SETS

PART#	MODEL#	PCS	BIT LGTH	DRIVE	DESCRIPTION	CONTENTS	QTY
23290	PHTXH7-2C	7	2"/50mm		Bits Only	T45, T50, T55 & 12, 14, 17, 19mm	1
22491	PHTX9-2C	9	2"/50mm		Bits Only	T8, T9, T10, T15, T20, T25, T27, T30, T40	1
22489	PHTX9L-2C	9	2"/50mm		Bits Only	T10, T15, T20, T25, T30, T40, T45, T50, T55	1
22437	PHTX13-2C	13	2"/50mm		Bits Only	T8, T10, T15, T20, T25, T27, T30, T40, T45, T47, T50, T55, T60	1
31038	PHTX10/S-2C	10	2"/50mm	1/4", 3/8"	Sockets & Bits	T10, T15, T20, T25, T27, T30, T40*, T45*, T50*, T55*	1
31037	PHTX13/S-2C	13	2"/50mm	1/4", 3/8", 1/2"	Sockets & Bits	T8, T10, T15, T20, T25, T27, T30, T40*, T45*, T47*, T50*, T55*, T60**	1
34099	PHTX9-6C	9	6"/150mm		Bits Only	T8, T9, T10, T15, T20, T25, T27, T30, T40	1
30799	PHTX9/S-6C	9	6"/150mm	1/4", 3/8"	Sockets & Bits	T8, T9, T10, T15, T20, T25, T27, T30, T40*	1



Molded Black Case

SINGLES

★	BIT ONLY				SOCKET & BIT		
	SIZE	BIT STOCK	PART#	QTY	PART#	QTY	DRIVE
	2" LONG		50mm LONG				
	T7	3mm	32007	1	44007	1	1/4"
	T8	3mm	32008	1	44008	1	1/4"
	T9	3mm	32009	1	44009	1	1/4"
	T10	3mm	32010	1	44010	1	1/4"
	T15	3mm	32015	1	44015	1	1/4"
	T20	4mm	32020	1	44020	1	1/4"
	T25	4mm	32025	1	44025	1	1/4"
	T27	5mm	32027	1	44027	1	1/4"
	T30	5mm	32030	1	44030	1	1/4"
	T40	6mm	32040	1	44240	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

SINGLES

★	BIT ONLY				SOCKET & BIT		
	SIZE	BIT STOCK	PART#	QTY	PART#	QTY	DRIVE
	6" LONG		150mm LONG				
	-	-	-	-	-	-	-
	T8	3mm	34008	1	44608	1	1/4"
	T9	3mm	34009	1	44609	1	1/4"
	T10	3mm	34010	1	44610	1	1/4"
	T15	3mm	34015	1	44615	1	1/4"
	T20	4mm	34020	1	44620	1	1/4"
	T25	4mm	34025	1	44625	1	1/4"
	T27	5mm	34027	1	44627	1	1/4"
	T30	5mm	34030	1	44630	1	1/4"
	T40	6mm	34040	1	44640	1	3/8"
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-

Socket Bits



Bit Only



Socket & Bit



HandyHex™ Adjustable Handle

Hollow Hex handle allows adjustment of the distance a hex blade extends from the handle



■ Inch ■ Metric

SETS

PART#	SIZE	QTY
87900	.028	1
87901	.035	1
87902	.050	1
87903	1/16	1
87904	5/64	1
87905	3/32	1
87906	7/64	1
87907	1/8	1
87908	9/64	1



HANDLES ONLY

PART#	SIZE	QTY
86900	.028-5/64" + 1.27-2.0mm	1
86901	3/32-7/64" + 2.5mm	1
86902	1/8-9/64" + 3.0-3.5mm	1



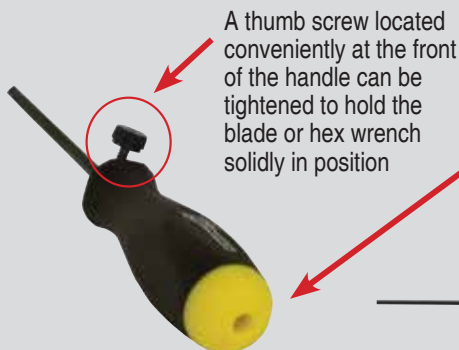
SINGLES HEX BLADES

SIZE	INCH	MM	PART#	QTY
.028	2.6	66	0200	1
.035	2.6	66	0201	1
.050	2.6	66	0202	1
1/16	2.8	71	0203	1
5/64	3.0	76	0204	1
3/32	4.0	103	0205	1
7/64	4.3	109	0206	1
1/8	4.5	115	0207	1
9/64	4.8	122	0208	1
5/64	5.9	150	1104	1
3/32	5.9	150	1105	1
7/64	5.9	150	1106	1
1/8	5.9	150	1107	1
9/64	5.9	150	1108	1
5/64	8.9	226	1204	1
3/32	8.9	226	1205	1
7/64	8.9	226	1206	1
1/8	8.9	226	1207	1
9/64	8.9	226	1208	1

SINGLES HEX BLADES

SIZE	INCH	MM	PART#	QTY
1.5	2.8	70	0250	1
2.0	3.8	98	0252	1
2.5	4.2	107	0254	1
3.0	4.6	118	0256	1
2.0	5.9	150	1152	1
2.5	5.9	150	1154	1
3.0	5.9	150	1156	1
2.0	8.9	226	1252	1
2.5	8.9	226	1254	1
3.0	8.9	226	1256	1

Ball End blades that fit the HandyHex™ Handle can be found on page 58.
L-wrenches can be found throughout the catalog.



A thumb screw located conveniently at the front of the handle can be tightened to hold the blade or hex wrench solidly in position

The handle allows the user to infinitely adjust the distance the blade extends from the handle because the hole in the handle extends all the way through the handle



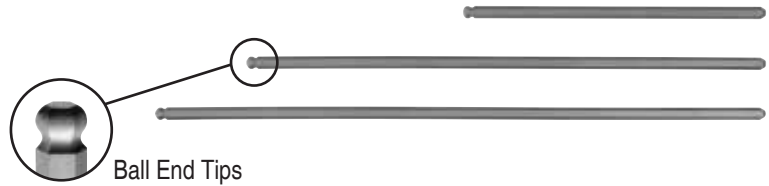
The handle will also accept the long or short arms of a hex wrench and act as a handle for the hex wrench

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



■ Inch ■ Metric

SINGLES STANDARD LENGTH

SIZE	INCH	MM	PART#	QTY
.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 STANDARD LENGTH

SIZE	INCH	MM	PART#	QTY
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 LONG

SIZE	INCH	MM	PART#	QTY
-	-	-	-	-
-	-	-	-	-
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
-	-	-	-	-
-	-	-	-	-
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

SINGLES EXTRA LONG

SIZE	INCH	MM	PART#	QTY
.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
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

Bits & Blades



Ball End Power Bits

ProGuard™ Finish

 Inch

 Metric



- Fits all 1/4" drive bit holders
- Ball End inserts into a screw at a 25° angle
- Superior Ball End strength and working angle

- Ball End saves time by quickly funneling tool into screw
- Works in hard to reach places



Ball End Tips



10836

SETS

PART#	MODEL#	LENGTH	PCS	CONTENTS	QTY
10836	BHX12	3"	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

PART#	MODEL#	LENGTH	PCS	CONTENTS	QTY
10899	BHX9M	3"	9	2, 2.5, 3, 4, 5, 6, 8, 10, 12mm	1

SINGLES



SINGLE PACKAGING

SIZE	INCH	MM	PART#	QTY
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

SIZE	INCH	MM	PART#	QTY
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



ProHold® Hex End Power Bits

- Fits all 1/4" drive bit holders
- Holds screw tight on the tool EVERY TIME
- Button is non-magnetic
- Tool strength is not compromised by the ProHold® button
- Super smooth rotational action, with no interference from ProHold® button

SINGLES



SINGLE PACKAGING

SIZE	INCH	MM	PART#	QTY
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

SIZE	INCH	MM	PART#	QTY
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



Hex End Power Bits

- Fits all 1/4" drive bit holders
- Machined for ease of use & superior fit
- Chamfered tips seat in screw head
- Sharp corners transfer torque

SINGLES



SINGLE PACKAGING

SIZE	INCH	MM	PART#	QTY
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

SIZE	INCH	MM	PART#	QTY
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® TORX® Power Bits

- Fits all 1/4" drive bit holders
- Fits all TORX® and Star screws (not compatible with TORX PLUS® fasteners)
- Holds screw tight on the tool EVERY TIME
- Tool strength is not compromised by ProHold® button
- Broad contact surface provides deep lobe engagement
- Super smooth rotational action, with no interference from the non-magnetic ProHold® button

SINGLES



SINGLE PACKAGING

SIZE	INCH	MM	PART#	QTY
T15	6.0	152	71615	1
T20	6.0	152	71620	1
T25	6.0	152	71625	1
T27	6.0	152	71627	1
T30	6.0	152	71630	1
T40	6.0	152	71640	1



Bits & Blades

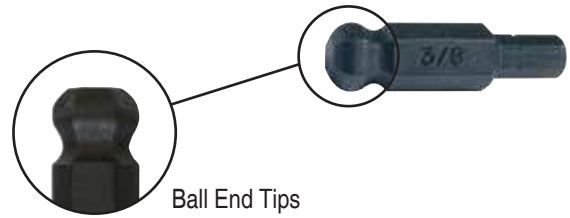
Ball End Insert Bits

ProGuard™ Finish



- Fits all 1/4" drive bit holders
- 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



Ball End Tips

■ Inch ■ Metric

SETS

PART#	MODEL#	LENGTH	PCS	CONTENTS	QTY
11036	BIX12	1" (5/64-1/4"), 1.5" (5/16-1/2")	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

PART#	MODEL#	LENGTH	PCS	CONTENTS	QTY
11099	BIX9M	1" (2.0-6mm), 1.5" (8-10mm)	9	2, 2.5, 3, 4, 5, 6, 8, 10, 12mm	1



11099

SINGLES

SIZE	INCH	MM	PART#	QTY
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
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



11012



11064

Hextenders



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

SINGLES

SIZE	INCH	MM	DIA	PART#	QTY
.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	0.31	22305	1
7/64	0.50	13	0.31	22306	1
1/8	0.50	13	0.31	22307	1
9/64	0.75	19	0.38	22308	1
5/32	0.75	19	0.38	22309	1
3/16	0.75	19	0.50	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

SINGLES

SIZE	INCH	MM	DIA	PART#	QTY
1.5	0.50	13	0.25	22350	1
2.0	0.50	13	0.25	22352	1
2.5	0.50	13	0.31	22354	1
3.0	0.50	13	0.31	22356	1
4.0	0.75	19	0.38	22360	1
5.0	0.75	19	0.50	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

Hextenders



Screw Grab™ Friction Drops

TORQUE

Increase torque by up to 800%

GRAB

Tools "Grab" to remove deformed screw heads or rounded hex's & sockets

INSTANT

Works instantly. Easy to use, wipes clean

GUARANTEED

Satisfaction guaranteed



- Rounded or deformed heads
- Seized, rusted or hard-to-reach spots
- Prevent tool wear
- Sloppy or mis-matched sockets
- Stops bit from turning in a chuck

PART#	MODEL#	QTY
94205	SGX1	1

Helps remove or tighten all styles of stripped fasteners



The Problem



The SOLUTION



A single dab of SCREW GRAB creates a positive grip between metal surfaces (tests have shown as high as 800%) that virtually eliminates tool wear or rounding and deforming of fasteners.

APPROVED for use on Boeing Airline Jets, Military Fighter Jets & the RAF. Resulting in SIGNIFICANT LABOR COST REDUCTION in time & efficiency for service departments.

WON THE AWARD OF DISTINCTION FOR INNOVATIVE NEW PRODUCTS from "Retailers Choice Awards", selected by the National Hardware Show and the Retailers Choice Committee.

Collapsible Magnetic Parts Tray

2 PACK

Sold in sets of two

SIZE

4" L x 4" W x 2" D

COLLAPSIBLE

Portable & collapsible. This tray expands from 3/4" to 2" high

MAGNETIC

Holds loose metal parts and small tools. Tray attaches to any metal surface



PART#	MODEL#	QTY
94220	CMPT2	1



The perfect tool box accessory to help organize your workshop and keep parts close at hand.



Magnetic bottom secures small parts and fasteners in tray, preventing them from going missing.

Twist Sockets

EXTRACTOR

Bolt/Nut/Screw extractor for damaged fasteners

DURABLE

Made with durable steel for more torque & longer tool life



#33197



#33387

■ Inch ■ Metric ■ Inch/Metric

STORAGE

Socket rail included for organized storage



Spiral design grips onto damaged fasteners making them easier to remove



Internal Sockets can be used to extract Inch, Metric or TORX® fasteners

SETS IN BAG

PART#	MODEL#	PCS	CONTENTS	QTY
33387	ITSX7UB	7	Internal Twist Socket 3-12mm (1/8-15/32) 3, 4, 5, 6, 8, 10 & 12mm (1/8, 5/32, 3/16, 5/16, 3/8 & 15/32")	1
33197	ETXS9MB	9	External Twist Socket 3/8" Drive 8-19mm on Rail 8, 10, 11, 12, 13, 14, 16, 17 & 19mm	1
83137	ETXS9B	9	External Twist Socket 3/8" Drive 1/4-3/4" on Rail 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 & 3/4"	1

SETS IN CLAMSHELL

PART#	MODEL#	PCS	CONTENTS	QTY
33387T	ITSX7UC	7	Internal Twist Socket 3-12mm (1/8-15/32) 3, 4, 5, 6, 8, 10 & 12mm (1/8, 5/32, 3/16, 5/16, 3/8 & 15/32")	1
33197T	ETXS9MC	9	External Twist Socket 3/8" Drive 8-19mm on Rail 8, 10, 11, 12, 13, 14, 16, 17 & 19mm	1
83137T	ETXS9C	9	External Twist Socket 3/8" Drive 1/4-3/4" on Rail 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 & 3/4"	1



Bag



Clamshell

SINGLES

PART#	MODEL#	PCS	CONTENTS
83112	ETS1/4	1	1/4" External Twist Socket 3/8" Drive
83113	ETS5/16	1	5/16" External Twist Socket 3/8" Drive
83114	ETS3/8	1	3/8" External Twist Socket 3/8" Drive
83115	ETS7/16	1	7/16" External Twist Socket 3/8" Drive
83116	ETS1/2	1	1/2" External Twist Socket 3/8" Drive
83117	ETS9/16	1	9/16" External Twist Socket 3/8" Drive
83118	ETS5/8	1	5/8" External Twist Socket 3/8" Drive
83119	ETS3/4	1	3/4" External Twist Socket 3/8" Drive
83143	ETS11/16	1	11/16" External Twist Socket 3/8" Drive

PART#	MODEL#	PCS	CONTENTS
33172	ETS8MM	1	8mm External Twist Socket 3/8" Drive
33176	ETS10MM	1	10mm External Twist Socket 3/8" Drive
33178	ETS11MM	1	11mm External Twist Socket 3/8" Drive
33180	ETS12MM	1	12mm External Twist Socket 3/8" Drive
33182	ETS13MM	1	13mm External Twist Socket 3/8" Drive
33184	ETS14MM	1	14mm External Twist Socket 3/8" Drive
33185	ETS16MM	1	16mm External Twist Socket 3/8" Drive
33186	ETS17MM	1	17mm External Twist Socket 3/8" Drive
33188	ETS19MM	1	19mm External Twist Socket 3/8" Drive

PART#	MODEL#	PCS	CONTENTS
33356	ITS3MM	1	3mm (1/8") Internal Twist Socket 1/4" Drive
33360	ITS4MM	1	4mm (9/64") Internal Twist Socket 1/4" Drive
33364	ITS5MM	1	5mm (3/16") Internal Twist Socket 1/4" Drive
33368	ITS6MM	1	6mm (1/4") Internal Twist Socket 1/4" Drive

PART#	MODEL#	PCS	CONTENTS
33372	ITS8MM	1	8mm (5/16") Internal Twist Socket 3/8" Drive
33376	ITS10MM	1	10mm (3/8") Internal Twist Socket 3/8" Drive
33380	ITS12MM	1	12mm (15/32") Internal Twist Socket 3/8" Drive

Ratchets

EASE

Tighten and loosen nuts and bolts with ease

GRIP

Contoured handle with anti-slip grooves provide comfortable grip

SIZE

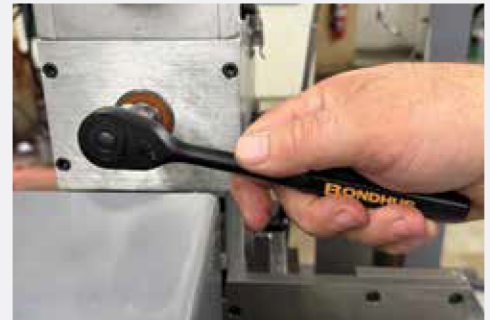
1/2", 3/8" & 1/4" drives

120 TOOTH

120 positions, 3° ratcheting arc



PART#	MODEL#	DESCRIPTION	QTY
14712	BR1/4	Bondhus 1/4" Drive Ratchet	1
14714	BR3/8	Bondhus 3/8" Drive Ratchet	1
14716	BR1/2	Bondhus 1/2" Drive Ratchet	1



Made with durable steel for more torque & longer tool life



Ratchets have an easy quick-release button for fast socket changes

Quick-T (L-Wrench to T-Handle Adapter)

EASE

Quickly & easily convert L-Wrench to T-Handle

COMFORT

Reduces hand fatigue with an ergonomic grip

RANGE

Compatible with a range of L-Wrenches sizes including 1/8 - 3/8" and 3 - 10mm



SECURE

Slide-lock holds L-Wrench securely in place

TORQUE

Provides better leverage when additional torque is required



PART#	MODEL#	QTY
94230	QTX1	1



Speeds up work by allowing faster rotation.



Can also be used in the screwdriver position.

Bondhus Screwdrivers

Series 1000 - BasicGrip™ Screwdrivers



The screwdrivers in the Series 1000 - BasicGrip™ line are the perfect 1-component screwdrivers for both the professional user and the DIY enthusiast. The eight-sided handle shape delivers maximum comfort and excellent turning force.

Series 1000 VDE Insulated BasicGrip™ Screwdrivers



The screwdrivers in the Series 1000 VDE Insulated - BasicGrip™ line are the perfect 1 component screwdrivers for both the professional user and DIY enthusiast. The eight-sided handle shape delivers maximum comfort and excellent turning force in a VDE certified screwdriver.

VDE-GS
tested for safety



1000 V

Series 2000 - ComfortGrip™ Screwdrivers



The screwdrivers in the Series 2000 - ComfortGrip™ line provide outstanding comfort and grip in a 2-component ergonomic design. The hex shaped handle design provides the best possible contact between the handle and the users hand, while delivering outstanding comfort and torque. Professional results demand a professional tool; and the Series 2000 delivers.

Series 3000 - PowerGrip™ Screwdrivers



The screwdrivers in the Series 3000 - PowerGrip™ line deliver unmatched comfort and grip in an ultra cushioned, 2-component design. The round/elliptical ergonomic shape maximizes both power transmission, from hand to handle, as well as comfort. The ultra cushioning effect of the rubber grip allows the handle to mold to the contours of the users hand to generate greater twisting torque with less effort. The rubber grip increasingly conforms to he users hand, as pressure and turning force increases.

Series 3000 Slim VDE Insulated PowerGrip™ Screwdrivers



The screwdrivers in the Series 3000 Slim VDE Insulated - PowerGrip™ line provide out-standing comfort and grip in a 2-component ergonomic design. The hex shaped handle design provides the best possible contact between the handle and hand, while delivering outstanding comfort, protection and torque. Professional results demand a professional tool; and the Series 3000 Slim VDE Insulated delivers.

VDE-GS
tested for safety



1000 V

Series 4000 - PrecisionGrip™ Screwdrivers



The screwdrivers in the Series 4000 - PrecisionGrip™ line have been manufactured to the exacting standards required by applications where precision is critical. The ergonomic handle shape allows for either full-hand or finger tip control with reduced effort. The Series 4000; Professional tools for precision work.

Series 5000 - ESD PrecisionGrip™ Screwdrivers



The screwdrivers in the Series 5000 ESD - PrecisionGrip™ line have been manufactured to the exacting standards required for applications where the elimination of Electrostatic Discharge (ESD) is required. Electrostatic discharge can cause severe damage to electronic components. Specially formulated handle material ensures static charges are dissipated and keep your components safe. The 5000 series is the safe choice for electronic components.

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.

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

The cost of a high quality screwdriver is negligible compared to the cost of removing a stripped screw. Will it take a few hours? What is the real cost of an inexpensive, poor performing screwdriver?

Bondhus quality screwdrivers are made from the finest steels and plastics in our German manufacturing plant, where screwdrivers have been produced for more than 50 years.

The purpose of a high quality screwdriver is to provide a faster, easier, 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 every day.










Lifetime Warranty

Bondhus manufactures the highest quality screwdrivers 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 contact customer service. 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 hand tool industry for over 60 years.

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Series 1000 - BasicGrip™ Screwdrivers

The perfect choice for the Professional user and DIY enthusiast



← Ergonomic eight-sided shape delivers maximum comfort and excellent turning force

← Nickel plated blade for good corrosion protection

← Precision machined tip fits screw head exactly



The screwdrivers in the Series 1000 - BasicGrip™ line are the perfect 1-component screwdriver for both the professional user and the DIY enthusiast. The eight-sided handle shape delivers maximum comfort and excellent turning force.

Cross hole enables the user to use a lever for higher torque or for hanging the screwdriver



Impact proof polypropylene handle

Anti-roll design



EAN code on every product

Blades manufactured from special, chrome-vanadium steel results in blade hardness and torque values which exceed DIN and ISO standards



Bondhus Lifetime Warranty

Series 1000 - BasicGrip™ Screwdrivers

Slotted Screwdriver, Tip: Electrician Form
DIN ISO 2380, chrome-vanadium blades - nickel-plated

- Chrome-vanadium blades
- Nickel-plated
- Tagged & barcoded



mm		in		Ø		mm		in		mm		in		EAN-Code-Item #	g	lbs
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in					
3.0	1/8	0.5	1/64	3.0	1/8	75	3	80	3 1/8	26	1 1/32	40 16758 11005 8	5	32	.07	
4.0	5/32	0.8	1/32	4.0	5/32	100	4	90	3 3/4	30	1 3/16	40 16758 11008 9	5	51	.11	
5.0	3/16	1.0	3/64	5.0	3/16	150	6	90	3 3/4	30	1 3/16	40 16758 11012 6	5	68	.15	

Slotted Screwdriver with round blade, Tip: Workshop / Engineer's Form
DIN ISO 2380, chrome-vanadium blades - nickel-plated

- Chrome-vanadium blades
- Nickel-plated
- Tagged & barcoded



mm		in		Ø		mm		in		mm		in		EAN-Code-Item #	g	lbs
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in					
4.0	5/32	0.8	1/32	4.0	5/32	75	3	90	3 3/4	30	1 3/16	40 16758 11030 0	5	48	.11	
5.5	7/32	1.0	3/64	5.0	3/16	125	5	90	3 3/4	30	1 3/16	40 16758 11032 4	5	63	.14	
6.5	1/4	1.2	3/64	6.0	1/4	100	4	100	4	33	1 5/16	40 16758 11036 2	5	82	.18	
8.0	5/16	1.6	1/16	7.0	9/32	175	7	110	4 3/8	37	1 7/16	40 16758 11041 6	5	131	.29	
10.0	3/8	1.6	1/16	8.0	5/16	200	8	110	4 3/8	37	1 7/16	40 16758 11044 7	5	159	.35	

Phillips Crosspoint Screwdriver
DIN ISO 8764 PH, chrome-vanadium blades - nickel-plated

- Chrome-vanadium blades
- Nickel-plated
- Tagged & barcoded



PH #	Ø		mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in					
0	3.5	9/64	60	2 3/8	80	3 1/8	26	1 1/32	40 16758 11082 9	5	34	.07	
1	5.0	3/16	80	3 1/8	90	3 3/4	30	1 3/16	40 16758 11083 6	5	55	.12	
2	6.0	1/4	100	4	100	4	33	1 5/16	40 16758 11087 4	5	82	.18	
3	8.0	5/16	150	6	110	4 3/8	37	1 7/16	40 16758 11090 4	5	143	.32	

Sets

Contents		EAN-Code-Item #		g		lbs	
	Set 5 pcs	mm	in	40 16758 01300 7	420	.93	
	4.0 x 100, 5.5 x 125, 6.5 x 150	5/32 x 4, 7/32 x 5, 1/4 x 6					
	PH1 x 80, PH2 x 100	PH1 x 3 1/8, PH2 x 4					

Series 1000 VDE Insulated BasicGrip™ Screwdrivers

The perfect choice for the professional electrician and DIY enthusiasts



VDE-GS
tested for safety



Ergonomic eight-sided shape delivers maximum comfort and excellent turning force

Impact proof polypropylene handle

Precision black tip fits screw head exactly



The screwdrivers in the Series 1000 VDE Insulated - BasicGrip™ line are the perfect 1-component screwdriver for both the professional user and DIY enthusiast. The eight-sided handle shape delivers maximum comfort and excellent turning force in a VDE certified screwdriver.

Tested at 10,000 Volts
Rated for use to 1,000 Volts

Cross hole enables the user to use a lever for higher torque or for hanging the screwdriver



Anti-roll design




EAN code on every product

Blades manufactured from special, chrome-vanadium steel results in blade hardness and torque values which exceed DIN and ISO standards

Bondhus Lifetime Warranty

Series 1000 VDE Insulated BasicGrip™ Screwdrivers

Sets

Contents	mm	in	EAN-Code-Item #	g	lbs
	Set 6 pcs		40 16758 01500 1	505	1.11
	⊖ 2.5 x 75, 4.0 x 100, 5.5 x 125, 6.5 x 150	3/32 x 3, 5/32 x 4, 7/32 x 5, 1/4 x 6			
	⊕ PH1 x 80, PH x 100	PH1 x 3 1/8, PH2 x 4			



6 piece sets
are packaged
in this box

Series 2000 - ComfortGrip™ Screwdrivers

The most comfortable 2-component handle available



Blade tip symbol printed on top of each handle

← Cushioning rubber grip

← Chrome-plated blade for superior corrosion resistance

← Precision black tip fits screw head exactly



The screwdrivers in the Series 2000 - ComfortGrip™ line provide outstanding comfort and grip in a 2-component ergonomic design. The hex shaped handle design provides the best possible contact between the handle and the users hand, while delivering outstanding comfort and torque. Professional results demand a professional tool; and the Series 2000 delivers.

Cross hole enables the user to use a lever for higher torque or for hanging the screwdriver



Impact proof polypropylene core

Anti-roll design



EAN code on every product

Blades manufactured from special chrome-vanadium-molybdenum steel results in superior blade hardness and torque values which far exceed DIN and ISO standards

Bondhus Lifetime Warranty









Series 2000 - ComfortGrip™ Screwdrivers

Slotted Screwdriver, Tip: Electrician Form

DIN ISO 2380, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded











												EAN-Code-Item #			
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			g	lbs
3.0	1/8	0.5	1/64	3.0	1/8	75	3	100	4	26	1 1/32	40 16758 12005 7	5	42	.09
4.0	5/32	0.8	1/32	4.0	5/32	100	4	105	4 3/16	30	1 3/16	40 16758 12008 8	5	60	.13
5.0	3/16	1.0	3/64	5.0	3/16	150	6	105	4 3/16	30	1 3/16	40 16758 12012 5	5	77	.17

Slotted Screwdriver with round blade, Tip: Workshop / Engineer's Form

DIN ISO 2380, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded









												EAN-Code-Item #			
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			g	lbs
4.0	5/32	0.8	1/32	4.0	5/32	75	3	100	4	26	1 1/32	40 16758 12030 9	5	47	.10
5.5	7/32	1.0	3/64	5.0	3/16	125	5	105	4 3/16	30	1 3/16	40 16758 12032 3	5	72	.16
6.5	1/4	1.2	3/64	6.0	1/4	150	6	110	4 3/8	34	1 5/16	40 16758 12037 8	5	100	.22
8.0	5/16	1.6	1/16	7.0	9/32	175	7	115	4 9/16	36	1 7/16	40 16758 12041 5	5	136	.30
10.0	3/8	1.6	1/16	8.0	5/16	200	8	115	4 9/16	36	1 7/16	40 16758 12044 6	5	164	.36

Phillips Crosspoint Screwdriver

DIN ISO 8764 PH, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Bulk



PH #									EAN-Code-Item #			
	mm	in	mm	in	mm	in	mm	in			g	lbs
2	6.0	1/4	100	4	110	4 3/8	34	1 5/16	40 16758 02087 6	10	84	.19
2	6.0	1/4	200	8	110	4 3/8	34	1 5/16	40 16758 02088 3	10	106	.23
3	8.0	5/16	150	6	115	4 9/16	36	1 7/16	40 16758 02090 6	10	144	.32

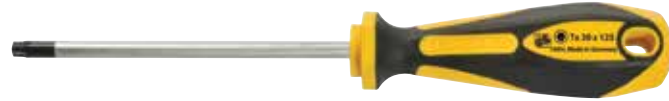
Bulk

Series 2000 - ComfortGrip™ Screwdrivers

TORX® Screwdriver

For TX screws to DIN EN ISO 10664,
chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



TX #	Ø		L		T		I		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in			
10	4.0	5/32	80	3 1/8	100	4	26	1 1/32	40 16758 12147 4	5	48 .11
15	4.0	5/32	80	3 1/8	100	4	26	1 1/32	40 16758 12148 1	5	48 .11
20	4.0	5/32	100	4	105	4 3/16	30	1 3/16	40 16758 12149 8	5	60 .13
25	5.0	3/16	100	4	105	4 3/16	30	1 3/16	40 16758 12150 4	5	69 .15

TORX® Tamper Resistant Screwdriver

For TX-TR screws to DIN EN ISO 10664, with safety pin,
chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



TX-TR #	Ø		L		T		I		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in			
15	4.0	5/32	80	3 1/8	100	4	26	1 1/32	40 16758 12172 6	5	48 .11

Slotted Screwdriver with hexagonal bolster, Tip: Workshop / Engineer's Form DIN ISO 2380, chrome-vanadium special steel blades - chrome-plated

- Chrome-vanadium blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



mm	in	Ø		L		T		I		EAN-Code-Item #	g	lbs		
		mm	in	mm	in	mm	in	mm	in					
5.5	7/32	1.0	3/64	5.5	7/32	100	4	105	4 3/16	30	1 3/16	40 16758 12061 3	5	83 .18
7.0	9/32	1.2	3/64	7.0	9/32	125	5	110	4 3/8	34	1 5/16	40 16758 12062 0	5	128 .28
8.0	5/16	1.2	3/64	8.0	5/16	150	6	115	4 9/16	36	1 7/16	40 16758 12063 7	5	184 .41
10.0	3/8	1.6	1/16	9.0	11/32	175	7	115	4 9/16	36	1 7/16	40 16758 12065 1	5	220 .49

Series 2000 - ComfortGrip™ Screwdrivers

Phillips Crosspoint Screwdriver with hexagonal bolster DIN ISO 8764 PH, chrome-vanadium special steel blades - chrome-plated

- Chrome-vanadium blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



PH #	Ø		L		L		L		EAN-Code-Item #	5	g		lbs	
	mm	in	mm	in	mm	in	mm	in						
1	4.5	3/16	80	3 1/8	105	4 3/16	30	1 3/16	40 16758 12100 9	5	67	.15		
2	6.0	1/4	100	4	110	4 3/8	34	1 5/16	40 16758 12101 6	5	107	.24		
3	8.0	5/16	150	6	115	4 9/16	36	1 7/16	40 16758 12102 3	5	184	.24		

Pozidriv Crosspoint Screwdriver with hexagonal bolster DIN ISO 8764 PZ, chrome-vanadium special steel blades - chrome-plated

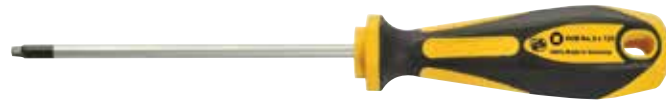
- Chrome-vanadium blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



PZ #	Ø		L		L		L		EAN-Code-Item #	5	g		lbs	
	mm	in	mm	in	mm	in	mm	in						
1	4.5	3/16	80	3 1/8	105	4 3/16	30	1 3/16	40 16758 12130 6	5	67	.15		
2	6.0	1/4	100	4	110	4 3/8	34	1 5/16	40 16758 12131 3	5	107	.24		

ROB Square Screwdriver Chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



ROB #	Ø		L		L		L		EAN-Code-Item #	5	g		lbs	
	mm	in	mm	in	mm	in	mm	in						
1	5.0	3/16	100	4	105	4 3/16	30	1 3/16	40 16758 12200 6	5	68	.15		
2	5.0	3/16	125	5	110	4 3/8	34	1 5/16	40 16758 12201 3	5	82	.18		
3	6.0	1/4	150	6	110	4 3/8	34	1 5/16	40 16758 12202 0	5	101	.22		

Series 2000 - ComfortGrip™ Screwdrivers

Stubby Slotted Screwdriver

DIN ISO 2380, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
5.0	3/16	1.0	3/64	5.0	3/16	30	1 3/16	50	2	30	1 3/16			

Stubby Phillips Crosspoint Screwdriver

DIN ISO 8764 PH, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



PH #	mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
2	6.0	1/4	30	1 3/16	50	2	30	1 3/16	40 16758 12286 0	5	37 .08				

Stubby Magnetic Bit holder for bits with 1/4" drive

Chrome-vanadium special steel blades - chrome-plated

- Chrome-vanadium blades
- Chrome-plated
- Tagged & barcoded



Size	mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
1/4"	10.0	3/8	30	1 3/16	50	2	30	1 3/16	40 16758 12291 4	5	42 .09				

Nail iron / Trim pin remover

Chrome-vanadium blades - nickel-plated

- Chrome-vanadium blades
- Nickel-plated
- Tagged & barcoded

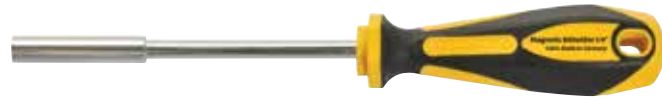


Size	mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
	6.0	1/4	100	4	110	4 3/8	34	1 5/16	40 16758 12284 6	5	84 .19				

Series 2000 - ComfortGrip™ Screwdrivers

Magnetic Bit holder for bits with 1/4" drive Chrome-vanadium special steel blades - nickel-plated

- Chrome-vanadium blades
- Chrome-plated
- Tagged & barcoded



Size	Ø		mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in					
1/4"	7.0	9/32	110	4 3/8	110	4 3/8	34	1 5/16	40 16758 12280 8	5	105	.23	

Adapter for 1/4" sockets Chrome-vanadium blades - chrome-plated

- Chrome-vanadium blades
- Chrome-plated
- Tagged & barcoded



Size	Ø		mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in					
1/4"	8.0	5/16	100	4	115	4 9/16	36	1 7/16	40 16758 12281 5	5	111	.24	

Awl with round tip Chrome-vanadium blades - nickel-plated

- Chrome-vanadium blades
- Nickel-plated
- Tagged & barcoded



Size	Ø		mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in					
	6.0	1/4	100	4	110	4 3/8	34	1 5/16	40 16758 12282 2	5	82	.18	

Square Reamer with square tip Chrome-vanadium blades - nickel-plated

- Chrome-vanadium blades
- Nickel-plated
- Tagged & barcoded



Size	Ø		mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in					
	6.0	1/4	100	4	110	4 3/8	34	1 5/16	40 16758 12283 9	5	82	.18	

Series 2000 - ComfortGrip™ Screwdrivers

Flexible shaft screwdrivers allow you to get into places that are hard-to-reach where a straight shaft screwdriver won't work.



Magnetic Bit holder for bits with 1/4" drive with flexible shaft
 Chrome-vanadium special steel blades





- Chrome-vanadium blades
- Chrome-plated with black Flex-tube
- Tagged & barcoded



Size	Ø		mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in					
1/4"	11.0	7/16	150	6	100	4	34	1 5/16	40 16758 12215 0	5	127	.28	

Series 2000 - ComfortGrip™ Screwdrivers

Sets

	Contents	mm	in	EAN-Code-Item #	 g	lbs
	Set 5 pcs			40 16758 02300 6	461	1.02
	⊖ 4.0 x 100, 5.5 x 125, 6.5 x 150 ⊕ PH1 x 80, PH2 x 100		3/16 x 4, 7/32 x 5, 1/4 x 6			
	Set 6 pcs			40 16758 02310 5	503	1.11
	⊖ 3.5 x 100, 4.0 x 100, 5.5 x 125, 6.5 x 150 ⊕ PH1 x 80, PH2 x 100		9/64 x 4, 3/16 x 4, 7/32 x 5, 1/4 x 6			
	Set 7 pcs			40 16758 02330 3	479	1.06
	⊕ TX6 x 80, TX8 x 80, TX10 x 80, TX15 x 80, TX20 x 100, TX25 x 100, TX30 x 125		TX6 x 3 1/8, TX8 x 3 1/8, TX10 x 3 1/8, TX15 x 3 1/8, TX20 x 4, TX25 x 4, TX30 x 5			



5, 6 & 7 piece sets are packaged in this box

Series 3000 - PowerGrip™ Screwdrivers

The most comfortable Next-Generation screwdriver handle available. Perfect for the professional tool user.



Blade tip symbol printed on top of each handle



Thick layer of elastomeric material delivers superior cushioning effect

← Slim design allows better finger tip control in low torque situations
Slim design makes it easier to slip screwdriver into a pouch or pocket

← Chrome-plated blade for superior corrosion protection

← Precision black tip fits screw head exactly



The screwdrivers in the Series 3000 - PowerGrip line deliver unmatched comfort and grip in an ultra cushioned, 2-component design. The round/elliptical ergonomic shape maximizes power transmission from hand to handle, as well as comfort. The ultra cushioning effect of the rubber grip allows the handle to mold to the contours of the users hand to generate greater twisting torque with less effort. The rubber grip increasingly conforms to the users hand, as pressure and turning force increases.

Cross hole enables the user to use a lever for higher torque or for hanging the screwdriver



Impact proof polypropylene core

Anti-roll design



EAN code on every product

Blades manufactured from special chrome-vanadium-molybdenum steel results in superior blade hardness and torque values which far exceed DIN and ISO standards

Bondhus Lifetime Warranty

Series 3000 - PowerGrip™ Screwdrivers

Slotted Screwdriver, Tip: Electrician Form

DIN ISO 2380, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			
2.5	3/32	0.4	1/64	2.5	3/32	60	2 3/8	99	4	26	1 1/32	40 16758 13003 2	5	43 .09
3.0	1/8	0.5	1/64	3.0	1/8	75	3	99	4	26	1 1/32	40 16758 13005 6	5	45 .10
3.5	9/64	0.6	1/32	3.5	9/64	100	4	99	4	26	1 1/32	40 16758 13007 0	5	50 .11
5.0	3/16	1.0	3/64	5.0	3/16	150	6	109	4 3/8	32	1 1/4	40 16758 13012 4	5	93 .21

Slotted Screwdriver with round blade, Tip: Workshop / Engineer's Form

DIN ISO 2380, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			
4.0	5/32	0.8	1/32	4.0	5/32	75	3	99	4	26	1 1/32	40 16758 13030 8	5	51 .11
5.5	7/32	1.0	3/64	5.0	3/16	125	5	109	4 3/8	32	1 1/4	40 16758 13032 2	5	89 .20
6.5	1/4	1.2	3/64	6.0	1/4	150	6	109	4 3/8	32	1 1/4	40 16758 13037 7	5	106 .23
8.0	5/16	1.2	3/64	7.0	9/32	150	6	115	4 9/16	38	1 1/2	40 16758 13040 7	5	144 .32
12.0	1/2	2.0	5/64	10.0	3/8	250	10	115	4 9/16	38	1 1/2	40 16758 13045 2	5	266 .59

Phillips Crosspoint Screwdriver

DIN ISO 8764 PH, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip



PH #	mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs	EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in	mm	in								
1	5.0	3/16	80	3 1/8	99	4	26	1 1/32	40 16758 03083 7	10	53	.12	40 16758 13083 4	5	58	.13		
2	6.0	1/4	100	4	109	4 3/8	32	1 1/4					40 16758 13087 2	5	96	.21		
3	8.0	5/16	150	6	115	4 9/16	38	1 1/2					40 16758 13090 2	5	166	.37		

Series 3000 - PowerGrip™ Screwdrivers

TORX® Screwdriver

For TX screws to DIN EN ISO 10664

Chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



TX #	Ø		L		L		L		EAN-Code-Item #	g	lbs	
	mm	in	mm	in	mm	in	mm	in				
10	4.0	5/32	80	3 1/8	99	4	26	1 1/32	40 16758 13147 3	5	51	.11
15	4.0	5/32	80	3 1/8	99	4	26	1 1/32	40 16758 13148 0	5	52	.11
20	4.0	5/32	100	4	109	4 3/8	30	1 3/16	40 16758 13149 7	5	54	.12
25	5.0	3/16	100	4	109	4 3/8	30	1 3/16	40 16758 13150 3	5	86	.19

TORX® Tamper Resistant Screwdriver

For TX-TR screws to DIN EN ISO 10664, with safety pin

Chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



TX-TR #	Ø		L		L		L		EAN-Code-Item #	g	lbs	
	mm	in	mm	in	mm	in	mm	in				
15	4.0	5/32	80	3 1/8	99	4	26	1 1/32	40 16758 13172 5	5	52	.11

ROB Square Screwdriver

Chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



ROB #	Ø		L		L		L		EAN-Code-Item #	g	lbs	
	mm	in	mm	in	mm	in	mm	in				
1	5.0	3/16	100	4	99	4	26	1 1/32	40 16758 13200 5	5	62	.14
2	5.0	3/16	125	5	109	4 3/8	32	1 1/4	40 16758 13201 2	5	89	.20
3	6.0	1/4	150	6	109	4 3/8	32	1 1/4	40 16758 13202 9	5	108	.24

Series 3000 - PowerGrip™ Screwdrivers

Stubby Slotted Screwdriver

DIN ISO 2380, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs	
6.0	1/4	1.0	1/32	6.0	1/4	30	1 3/16	50	2	30	1 3/16				
												40 16758 13290 6	5	37	.08

Stubby Phillips Crosspoint Screwdriver

DIN ISO 8764 PH, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



PH #	mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
2	6.0	1/4	30	1 3/16	50	2	30	1 3/16							
												40 16758 13286 9	5	37	.08

Stubby Magnetic Bit holder for bits with 1/4" drive

Chrome-vanadium special steel blades - chrome-plated

- Chrome-vanadium blades
- Chrome-plated



Size	mm		in		mm		in		mm		in		Bulk			Tagged & Barcoded		
	10.0	3/8	30	1 3/16	50	2	30	1 3/16	EAN-Code-Item #	g	lbs	EAN-Code-Item #	g	lbs				
1/4"	10.0	3/8	30	1 3/16	50	2	30	1 3/16	40 16758 03291 6	10	37	.08	40 16758 13291 3	5	42	.09		

Series 3000 - PowerGrip™ Screwdrivers

Flexible shaft screwdrivers allow you to get into places that are hard-to-reach where a straight shaft screwdriver won't work.



Magnetic Bit holder for bits with 1/4" drive with flexible shaft
 Chrome-vanadium special steel blades




- Chrome-vanadium blades
- Chrome-plated with black Flex-tube
- Tagged & barcoded



Size	Ø		mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in					
1/4"	11.0	7/16	150	6	100	4	34	1 5/16	40 16758 13215 9	5	127	.28	

Series 3000 - PowerGrip™ Screwdrivers

Sets

	Contents	mm	in	EAN-Code-Item #	g	lbs
	Set 5 pcs			40 16758 03300 5	478	1.05
	⊖ 4.0 x 100, 5.5 x 125, 6.5 x 150 ⊕ PH1 x 80, PH2 x 100		3/16 x 4, 7/32 x 5, 1/4 x 6			
	Set 3 pcs			40 16758 03320 3	326	.72
	⊖ 5.5 x 125, 6.5 x 150 ⊕ PH2 x 100		7/32 x 5, 1/4 x 6			
	Set 7 pcs			40 16758 03330 2	509	1.12
	⊕ TX6 x 80, TX8 x 80, TX10 x 80, TX15 x 80, TX20 x 100, TX25 x 100, TX30 x 125		TX6 x 3 1/8, TX8 x 3 1/8, TX10 x 3 1/8, TX15 x 3 1/8, TX20 x 4, TX25 x 4, TX30 x 5			



5 & 7 piece sets
are packaged
in this box



3 piece sets
are packaged
in this box

Series 3000 Slim - VDE Screwdrivers

The most comfortable 2-component handle available. Perfect for the professional electrician.

VDE-GS
tested for safety



1000 V



Blade tip symbol printed on top of each handle



Thick layer of elastomeric material delivers superior cushioning effect



Slim design allows better finger tip control in low torque situations

Slim design makes it easier to slip screwdriver into a pouch or pocket



The protective insulation is integrated into the screwdriver blade instead of being laid on top

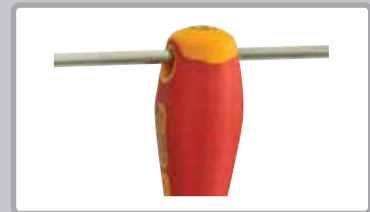


Precision black tip fits screw head exactly

The screwdrivers in the Series 3000 Slim VDE Insulated - PowerGrip™ line provide outstanding comfort and grip in a 2-component ergonomic design. The cushion grip handle design provides the best possible contact between the handle and hand, while delivering outstanding comfort, protection and torque. Professional results demand a professional tool; and the Series 3000 VDE Insulated delivers.

Tested at 10,000 Volts
Rated for use to 1,000 Volts

Cross hole enables the user to use a lever for higher torque and for hanging the screwdriver



Impact proof polypropylene core

Anti-roll design



EAN code on every product

Blades manufactured from special, chrome-vanadium-molybdenum steel results in superior blade hardness and torque values which far exceed DIN and ISO standards



Bondhus Lifetime Warranty

Series 3000 Slim - VDE Screwdrivers

Slim VDE Flat Tip Screwdriver, chrome-vanadium-molybdenum blades
Conforming IEC 60900, blades DIN 7437 / ISO 2380, AC 1000V

- AC 1000 V
- IEC 60900
- Tagged & barcoded



mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
mm	in	mm	in	mm	in	mm	in	mm	in					
3.0	1/8	0.5	1/64			100	4	99	4	32	1 1/4	40 16758 13601 0	5	45 .10
4.0	5/32	0.8	1/32			100	4	99	4	32	1 1/4	40 16758 13603 4	5	54 .12
6.5	1/4	1.2	3/64			150	6	109	4 3/8	38	1 1/2	40 16758 13607 2	5	126 .28

Slim VDE Phillips Crosspoint Screwdriver, chrome-vanadium-molybdenum blades
Conforming IEC 60900, blades DIN ISO 8764 PH, AC 1000V

- AC 1000 V
- IEC 60900
- Tagged & barcoded



PH #	mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in	mm	in					
1	4.5	3/16	100	4	99	4	32	1 1/4	40 16758 13621 8	5	66 .15				
2	6.0	1/4	100	4	109	4 3/8	38	1 1/2	40 16758 13622 5	5	92 .20				


PlusMinus H
DIN ISO 8764 PZ, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



	mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in			
+/- H 1	4.5	3/16	100	4	109	4 3/8	32	1 1/4	40 16758 13640 9	5	33 .07
+/- H 2	6.0	1/4	100	4	115	4 9/16	38	1 1/2	40 16758 13641 6	5	37 .08

Sets

Contents	mm	in	EAN-Code-Item #	g	lbs
	Set 6 pcs 3.0 x 100, 4.0 x 100, 5.5 x 125, 6.5 x 150		40 16758 03680 8	540	1.19
	- Flat tip + Phillips	1/8 x 4, 5/32 x 4, 7/32 x 5, 1/4 x 6			

Series 4000 - PrecisionGrip™ Screwdrivers

Precise, ergonomically designed precision screwdrivers are perfect for use with electronics, fine machinery and model building



Smooth rotating cap facilitates finger tip control of handle



Soft grip handle design provides ergonomic comfort AND superior driving force with reduced effort

Chrome-plated blade for superior corrosion protection

Precision black tip fits screw head exactly



The screwdrivers in the Series 4000 - PrecisionGrip™ line have been manufactured to the exacting standards required by applications where precision is critical. The ergonomic handle shape allows for either full-hand or finger tip control with reduced effort. The Series 4000; Professional tools for precision work.

Cross hole enables the user to use a lever for higher torque or for hanging the screwdriver



Impact proof polypropylene core

Anti-roll design




EAN code on every product

Blades manufactured from special, chrome-vanadium-molybdenum steel results in superior blade hardness and torque values which far exceed DIN and ISO standards

Bondhus Lifetime Warranty

Sets

Contents	mm	in	EAN-Code-Item #	g	lbs
 Set 6 pcs			40 16758 04370 7	173	.38
⊖ 1.5 x 60, 2.0 x 60, 3.0 x 75		1/16 x 2 3/8, 5/64 x 2 3/8, 1/8 x 3			
⊕ PH00 x 60, PH0 x 60, PH1 x 80		PH00 x 2 3/8, PH0 x 2 3/8, PH1 x 3 3/16			

Series 4000 - PrecisionGrip™ Screwdrivers

Slotted Screwdriver, Tip: Electrician Form

DIN ISO 2380, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
mm	in	mm	in	mm	in	mm	in	mm	in					
1.5	1/16	0.3	1/64	1.5	1/16	60	2 3/8	93	3 11/16	15	9/16	40 16758 14001 7	5	22 .05
2.0	5/64	0.4	1/64	2.0	5/64	60	2 3/8	93	3 11/16	15	9/16	40 16758 14002 4	5	22 .05
2.0	3/32	0.4	1/64	2.5	3/32	60	2 3/8	93	3 11/16	15	9/16	40 16758 14003 1	5	22 .05
3.0	1/8	0.5	1/64	3.0	1/8	75	3	93	3 11/16	15	9/16	40 16758 14005 5	5	24 .05
3.5	9/64	0.6	1/32	3.5	9/64	100	4	93	3 11/16	15	9/16	40 16758 14007 9	5	29 .06
4.0	5/32	0.8	1/32	4.0	5/32	150	6	93	3 11/16	15	9/16	40 16758 14009 3	5	38 .08

Phillips Crosspoint Screwdriver

DIN ISO 8764 PH, chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip



PH #	mm		in		mm		in		mm		in		Bulk			Tagged & Barcoded		
	mm	in	mm	in	mm	in	mm	in	mm	in	EAN-Code-Item #	g	lbs	EAN-Code-Item #	g	lbs		
000	2.5	3/32	60	2 3/8	93	3 11/16	15	9/16						40 16758 14080 2	5	22 .05		
00	2.5	3/32	60	2 3/8	93	3 11/16	15	9/16						40 16758 14081 9	5	22 .05		
0	3.5	9/64	60	2 3/8	93	3 11/16	15	9/16						40 16758 14082 6	5	26 .06		
1	5.0	3/16	80	3 1/8	93	3 11/16	15	9/16	40 16758 04083 6	10	32	.07	40 16758 14083 3	5	37 .08			

TORX® Screwdriver

For TX screws to DIN EN ISO 10664

Chrome-vanadium-molybdenum special steel blades - chrome-plated

- Chrome-vanadium-molybdenum blades
- Chrome-plated
- Precision tip
- Tagged & barcoded



TX #	mm		in		mm		in		mm		in		EAN-Code-Item #	g	lbs
	mm	in	mm	in	mm	in	mm	in							
3	2.5	3/32	60	2 3/8	93	3 11/16	15	9/16				40 16758 14140 3	5	22 .05	
4	2.5	3/32	60	2 3/8	93	3 11/16	15	9/16				40 16758 14141 0	5	22 .05	
5	2.5	3/32	60	2 3/8	93	3 11/16	15	9/16				40 16758 14142 7	5	22 .05	
6	4.0	5/32	80	3 1/8	93	3 11/16	15	9/16				40 16758 14143 4	5	30 .07	
7	4.0	5/32	80	3 1/8	93	3 11/16	15	9/16				40 16758 14144 1	5	30 .07	
8	4.0	5/32	80	3 1/8	93	3 11/16	15	9/16				40 16758 14145 8	5	30 .07	

Series 5000 ESD - PrecisionGrip™ Screwdrivers

Precise, ergonomically designed ESD precision screwdrivers for use with electronic components where there is a risk of electrostatic discharge



Smooth rotating cap facilitates finger tip control of handle



Handle made from special plastic material with very high conductivity to provide excellent protection from electrostatic discharge

Chrome-plated blade for superior corrosion protection

Precision black tip fits screw head exactly



The screwdrivers in the Series 5000 ESD - PrecisionGrip™ line have been manufactured to the exacting standards required for applications where the elimination of Electrostatic Discharge (ESD) is required. Electrostatic discharge can cause severe damage to electronic components. Specially formulated handle material ensures static charges are dissipated and keep your components safe. The 5000 series is the safe choice for electronic components.



Safe for working in accordance with DIN EN 61340-5-1 and DIN EN 61340-5-2

Anti-roll design



EAN code on every product


Blades manufactured from special, chrome-vanadium-molybdenum steel results in superior blade hardness and torque values which far exceed DIN and ISO standards



Because of the special electrical conductivity of the handle material of ESD screwdrivers, these must under no circumstances be used on live components!

Bondhus Lifetime Warranty

Sets

Contents	mm	in	EAN-Code-Item #	g	lbs
 Set 6 pcs			40 16758 05370 6	173	.38
⊖ 1.5 x 60, 2.0 x 60, 3.0 x 75		1/16 x 2 3/8, 5/64 x 2 3/8, 1/8 x 3			
⊕ PH00 x 60, PH0 x 60, PH1 x 80		PH00 x 2 3/8, PH0 x 2 3/8, PH1 x 3 3/16			

Part Number Index

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	58		0414	58		3713	45		10603	44		10807	59		10972	9	
0103	58		0452	58		3714	45		10604	44		10808	59		10974	9	
0104	58		0454	58		3715	45		10605	44		10809	59		10976	9	
0105	58		0456	58		3716	45		10606	44		10810	59		10978	9	
0106	58		0460	58		3750	45		10607	44		10811	59		10980	9	
0107	58		0464	58		3752	45		10608	44		10812	59		10982	9	
0108	58		0468	58		3754	45		10609	44		10813	59		10984	9	
0109	58		0472	58		3756	45		10610	44		10814	59		10986	9	
0110	58		0476	58		3760	45		10611	44		10816	59		10988	9	
0111	58		1104	57		3764	45		10612	44		10836	59		10989	9	
0112	58		1105	57		3768	45		10613	44		10852	59		10990	9	
0113	58		1106	57		3772	45		10614	44		10854	59		10991	9	
0114	58		1107	57		3776	45		10615	44		10856	59		10992	9	
0115	58		1108	57		00005	25		10616	44		10860	59		10993	9	
0116	58		1152	57		00009	25		10632	44		10864	59		10995	9	
0117	58		1154	57		00010	25		10633	44		10868	59		10999	9	
0118	58		1156	57		00015	25		10637	44		10872	59		11004	60	
0119	58		1204	57		00017	25		10645	44		10876	59		11005	60	
0150	58		1205	57		00018	25		10649	44		10880	59		11006	60	
0152	58		1206	57		00019	25		10650	44		10899	59		11007	60	
0154	58		1207	57		00022	25		10652	44		10902	8		11008	60	
0156	58		1208	57		00023	25		10654	44		10903	8		11009	60	
0158	58		1252	57		00025	25		10656	44		10904	8		11010	60	
0160	58		1254	57		00033	25		10658	44		10905	8		11011	60	
0162	58		1256	57		00035	25		10660	44		10906	8		11012	60	
0164	58		3602	58		00038	25		10662	44		10907	8		11013	60	
0166	58		3603	58		00039	25		10664	44		10908	8		11014	60	
0168	58		3604	58		00047	25		10666	44		10909	8		11016	60	
0170	58		3605	58		00051	25		10668	44		10910	8		11036	60	
0172	58		3606	58		00053	25		10670	44		10911	8		11052	60	
0174	58		3607	58		00055	25		10672	44		10912	8		11054	60	
0176	58		3608	58		00060	25		10674	44		10913	8		11056	60	
0178	58		3609	58		00062	25		10676	44		10914	8		11060	60	
0180	58		3610	58		00064	25		10686	44		10915	8		11064	60	
0184	58		3611	58		00068	25		10687	44		10916	8		11068	60	
0186	58		3612	58		00069	25		10699	44		10917	8		11072	60	
0188	58		3613	58		00070	25		10704	44		10918	8		11076	60	
0200	57		3614	58		00073	25		10705	44		10919	8		11080	60	
0201	57		3615	58		00075	25		10706	44		10920	8		11099	60	
0202	57		3616	58		00077	25		10707	44		10921	8		11331	28	
0203	57		3650	58		00078	25		10708	44		10932	8		11332	28	
0204	57		3652	58		00079	25		10709	44		10933	8		11346	28	
0205	57		3654	58		00080	25		10710	44		10935	8		11600	49	
0206	57		3656	58		10306	59		10711	44		10936	8		11601	49	
0207	57		3660	58		10307	59		10712	44		10937	8		11602	49	
0208	57		3664	58		10308	59		10713	44		10938	8		11603	49	
0250	57		3668	58		10309	59		10714	44		10945	8		11604	49	
0252	57		3672	58		10310	59		10733	44		10946	9		11640	49	
0254	57		3676	58		10311	59		10737	44		10949	9		11706	28	
0256	57		3702	45		10312	59		10752	44		10950	9		11707	28	
0404	58		3703	45		10313	59		10754	44		10952	9		11708	28	
0405	58		3704	45		10314	59		10756	44		10954	9		11709	28	
0406	58		3705	45		10354	59		10760	44		10956	9		11710	28	
0407	58		3706	45		10356	59		10764	44		10958	9		11715	28	
0408	58		3707	45		10360	59		10768	44		10960	9		11720	28	
0409	58		3708	45		10364	59		10772	44		10962	9		11725	28	
0410	58		3709	45		10368	59		10776	44		10964	9		11727	28	
0411	58		3710	45		10372	59		10804	59		10966	9		11730	28	
0412	58		3711	45		10376	59		10805	59		10968	9		11740	28	
0413	58		3712	45		10602	44		10806	59		10970	9		11745	28	

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11750	28		12198	17		12292	16		12894	31		13206	35		13860	17	
11755	28		12199	16		12293	17		12897	31		13207	35		13862	17	
12100	15		12200	15		12295	17		12902	8		13208	35		13864	17	
12101	15		12201	15		12296	17		12903	8		13252	35		13866	17	
12102	15		12202	15		12298	17		12904	8		13254	35		13868	17	
12103	15		12203	15		12299	16		12905	8		13256	35		13870	17	
12104	15		12204	15		12333	14		12906	8		13305	38		13872	17	
12105	15		12205	15		12335	14		12907	8		13306	38		13874	17	
12106	15		12206	15		12338	14		12908	8		13307	38		13876	17	
12107	15		12207	15		12339	14		12909	8		13308	38		13878	17	
12108	15		12208	15		12341	14		12910	8		13309	38		13880	17	
12109	15		12209	15		12342	14		12911	8		13310	38		13882	17	
12110	15		12210	15		12343	14		12912	8		13311	38		13884	17	
12111	15		12211	15		12344	14		12913	8		13312	38		13886	17	
12112	15		12212	15		12345	14		12914	8		13313	38		13888	17	
12113	15		12213	15		12347	14		12915	8		13314	38		13900	15	
12114	15		12214	15		12349	16		12916	8		13332	37		13901	15	
12115	15		12215	15		12351	14		12917	8		13338	37		13902	15	
12116	15		12216	15		12391	16		12918	8		13348	37		13903	15	
12117	15		12217	15		12392	16		12919	8		13352	38		13904	15	
12118	15		12218	15		12393	16		12949	9		13354	38		13905	15	
12119	15		12219	15		12394	16		12950	9		13356	38		13906	15	
12120	15		12220	15		12396	16		12952	9		13360	38		13907	15	
12121	15		12221	15		12397	16		12954	9		13364	38		13908	15	
12125	15		12225	15		12399	16		12956	9		13368	38		13909	15	
12129	15		12229	15		12522	31		12958	9		13372	38		13910	15	
12132	14		12231	15		12531	33		12960	9		13376	38		13911	15	
12136	14		12232	14		12533	31		12962	9		13387	37		13912	15	
12137	14		12233	15		12540	32		12964	9		13389	37		13913	15	
12138	14		12236	14		12543	32		12966	9		13390	37		13914	15	
12145	14		12237	14		12544	31		12968	9		13532	48		13915	15	
12146	16		12238	14		12545	32		12970	9		13546	48		13916	15	
12147	17		12242	16		12547	32		12972	9		13800	15		13917	15	
12148	17		12243	14		12550	31		12974	9		13801	15		13918	15	
12149	17		12245	14		12585	31		12976	9		13802	15		13919	15	
12150	17		12246	16		12587	31		12978	9		13803	15		13947	17	
12152	17		12247	17		12589	31		12980	9		13804	15		13948	17	
12154	17		12248	17		12591	31		12982	9		13805	15		13949	17	
12156	17		12249	17		12592	31		12984	9		13806	15		13950	17	
12158	17		12250	17		12594	33		12986	9		13807	15		13952	17	
12160	17		12252	17		12595	31		12988	9		13808	15		13954	17	
12162	17		12254	17		12632	32		13109	35		13809	15		13956	17	
12164	17		12256	17		12634	32		13110	35		13810	15		13958	17	
12166	17		12258	17		12636	32		13111	35		13811	15		13960	17	
12168	17		12260	17		12638	32		13112	35		13812	15		13962	17	
12170	17		12262	17		12699	27		13113	35		13813	15		13964	17	
12172	17		12264	17		12706	48		13114	35		13814	15		13966	17	
12174	17		12266	17		12707	48		13138	35		13815	15		13968	17	
12176	17		12268	17		12708	48		13146	35		13816	15		13970	17	
12178	17		12270	17		12709	48		13148	35		13817	15		13972	17	
12180	17		12272	17		12710	48		13160	35		13818	15		13974	17	
12182	17		12274	17		12715	48		13164	35		13819	15		13976	17	
12184	17		12276	17		12720	48		13168	35		13847	17		13978	17	
12186	17		12278	17		12725	48		13172	35		13848	17		13980	17	
12188	17		12280	17		12727	48		13176	35		13849	17		13982	17	
12191	17		12282	17		12730	48		13187	35		13850	17		13984	17	
12192	16		12284	17		12740	48		13189	35		13852	17		13986	17	
12193	17		12286	17		12745	48		13190	35		13854	17		13988	17	
12195	16		12288	17		12750	48		13199	35		13856	17		14126	4	
12196	17		12291	17		12755	48		13205	35		13858	17		14128	4	

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14138	4		15352	38		15610	39		15816	15		15970	17		16203	18	
14170	5		15354	38		15611	39		15817	15		15972	17		16204	18	
14187	4		15356	38		15612	39		15818	15		15974	17		16205	18	
14189	4		15360	38		15613	39		15819	15		15976	17		16206	18	
14532	33		15364	38		15614	39		15847	17		15978	17		16207	18	
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14585	33		15372	38		15703	8		15849	17		15982	17		16209	18	
14587	33		15376	38		15704	8		15850	17		15984	17		16210	18	
14589	33		15387	37		15705	8		15852	17		15986	17		16211	18	
14590	33		15389	37		15706	8		15854	17		15988	17		16212	18	
14591	33		15390	37		15707	8		15856	17		16002	8		16213	18	
14592	33		15405	39		15708	8		15858	17		16003	8		16214	18	
14595	33		15406	39		15709	8		15860	17		16004	8		16215	18	
14712	63		15407	39		15710	8		15862	17		16005	8		16216	18	
14714	63		15408	39		15711	8		15864	17		16006	8		16217	18	
14716	63		15409	39		15712	8		15866	17		16007	8		16218	18	
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15209	38		15432	39		15718	8		15878	17		16013	8		16247	18	
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15264	38		15507	39		15772	9		15908	15		16101	18		16272	18	
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15305	38		15552	39		15802	15		15919	15		16112	18		16460	38	
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15307	38		15556	39		15804	15		15948	17		16114	18		16468	38	
15308	38		15560	39		15805	15		15949	17		16115	18		16472	38	
15309	38		15564	39		15806	15		15950	17		16116	18		16502	22	
15310	38		15568	39		15807	15		15952	17		16117	18		16503	22	
15311	38		15572	39		15808	15		15954	17		16118	18		16504	22	
15312	38		15576	39		15809	15		15956	17		16119	18		16505	22	
15313	38		15587	39		15810	15		15958	17		16136	18		16506	22	
15314	38		15605	39		15811	15		15960	17		16137	18		16507	22	
15316	38		15606	39		15812	15		15962	17		16138	18		16508	22	
15332	37		15607	39		15813	15		15964	17		16200	18		16509	22	

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16512	22		16738	23		17147	18		22356	60		26207	18		26712	23	
16513	22		16749	23		17148	18		22360	60		26208	18		26713	23	
16514	22		16750	23		17149	18		22364	60		26209	18		26714	23	
16537	22		16752	23		17150	18		22368	60		26210	18		26749	23	
16538	22		16754	23		17152	18		22372	60		26211	18		26750	23	
16549	22		16756	23		17154	18		22376	60		26212	18		26752	23	
16550	22		16760	23		17156	18		22437	56		26213	18		26754	23	
16552	22		16764	23		17158	18		22489	56		26214	18		26756	23	
16554	22		16768	23		17160	18		22491	56		26247	18		26760	23	
16556	22		16772	23		17162	18		22704	14		26248	18		26764	23	
16560	22		16776	26		17164	18		22705	14		26249	18		26768	23	
16564	22		16792	23		17166	18		22706	14		26250	18		26772	23	
16568	22		16799	23		17168	18		22707	14		26252	18		26776	23	
16572	22		16902	10		17170	18		22708	14		26254	18		26902	10	
16576	22		16903	10		17172	18		22709	14		26256	18		26903	10	
16592	22		16904	10		17174	18		22710	14		26258	18		26904	10	
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16605	46		16909	10		17186	18		22789	14		26268	18		26909	10	
16606	46		16910	10		17188	18		23246	53		26270	18		26910	10	
16607	46		16911	10		17192	18		23290	56		26272	18		26911	10	
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16708	23		17080	10		22310	60		26114	18		26704	23		27158	18	
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16711	23		17088	10		22313	60		26202	18		26707	23		27164	18	
16712	23		17092	10		22314	60		26203	18		26708	23		27166	18	
16713	23		17095	10		22350	60		26204	18		26709	23		27168	18	

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27176	18		28212	19		31417	55		31807	27		32750	27		33233	53	
27178	18		28213	19		31418	55		31808	27		32755	27		33256	53	
27180	18		28214	19		31419	55		31809	27		32760	27		33260	53	
27902	11		28247	19		31456	55		31810	27		32806	27		33264	53	
27903	11		28248	19		31460	55		31815	27		32807	27		33268	53	
27904	11		28249	19		31464	55		31820	27		32808	27		33270	53,54	
27905	11		28250	19		31468	55		31825	27		32809	27		33272	53,54	
27906	11		28252	19		31470	55		31827	27		32810	27		33274	53,54	
27907	11		28254	19		31472	55		31830	27		32815	27		33276	53,54	
27908	11		28256	19		31474	55		31832	27		32820	27		33280	53,54	
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28060	11		29147	19		31616	55		32020	56		33025	41		33360	62	
28062	11		29148	19		31617	55		32025	56		33027	41		33364	62	
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28068	11		29152	19		31645	55		32040	56		33040	41		33176	62	
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28074	11		29158	19		31664	55		32050	56		33055	41		33387T	62	
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28078	11		29162	19		31670	55		32060	56		33176	62		33408	13, 28	
28080	11		29164	19		31672	55		32070	56		33178	62		33409	13, 28	
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28103	19		29172	19		31684	55		32408	13, 28		33185	62		33425	13, 28	
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28105	19		29176	19		31687	55		32410	13, 28		33188	62		33430	13, 28	
28106	19		29178	19		31688	55		32415	13, 28		33197	62		33440	13, 28	
28107	19		29180	19		31705	27		32420	13, 28		33197T	62		33502	54	
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28202	19		31037	56		31730	27		32708	27		33216	53,54		33550	54	
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28204	19		31407	55		31734	27		32710	27		33218	53,54		33554	54	
28205	19		31409	55		31737	27		32715	27		33219	53,54		33556	54	
28206	19		31410	55		31740	27		32720	27		33220	53		33560	54	
28207	19		31411	55		31745	27		32725	27		33221	53		33564	54	
28208	19		31412	55		31750	27		32727	27		33223	53		33568	54	

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33611	53		34420	29		38049	11		38214	19		38607	46		40612	44	
33612	53		34445	29		38050	11		38215	19		38608	46		40613	44	
33613	53		34505	47		38052	11		38216	19		38609	46		40614	44	
33614	53		34506	47		38054	11		38217	19		38610	46		40649	44	
33615	53		34507	47		38056	11		38218	19		38611	46		40650	44	
33616	53		34508	47		38058	11		38219	19		38612	46		40652	44	
33617	53		34509	47		38060	11		38236	19		38613	46		40654	44	
33618	53		34510	47		38062	11		38237	19		38614	46		40656	44	
33619	53		34515	47		38064	11		38238	19		38615	46		40658	44	
33645	53		34520	47		38066	11		38246	19		38616	46		40660	44	
33646	53		34525	47		38068	11		38247	19		38632	46		40664	44	
33656	53		34527	47		38070	11		38248	19		38637	46		40668	44	
33660	53		34530	47		38072	11		38249	19		38649	46		40672	44	
33664	53		34532	47		38074	11		38250	19		38650	46		40676	44	
33668	53		34534	47		38076	11		38252	19		38652	46		43207	53	
33670	53		34540	47		38078	11		38254	19		38654	46		43209	53	
33672	53		34545	47		38080	11		38256	19		38656	46		43210	53	
33674	53		34550	47		38084	11		38258	19		38660	46		43211	53	
33676	53		34555	47		38086	11		38260	19		38664	46		43212	53	
33680	53		34560	47		38088	11		38262	19		38668	46		43213	53	
33684	53		34706	29		38092	11		38264	19		38672	46		43214	53	
33686	53		34707	29		38095	11		38266	19		38676	46		43216	53	
33688	53		34708	29		38099	11		38268	19		38686	46		43217	53	
33807	48		34709	29		38100	19		38270	19		38699	46		43218	53	
33808	48		34710	29		38101	19		38272	19		39146	19		43219	53	
33809	48		34715	29		38102	19		38274	19		39147	19		43256	53	
33810	48		34720	29		38103	19		38276	19		39148	19		43260	53	
33815	48		34745	29		38104	19		38278	19		39149	19		43264	53	
33820	48		35006	29		38105	19		38280	19		39150	19		43268	53	
33825	48		35007	29		38106	19		38284	19		39152	19		43270	53	
33827	48		35008	29		38107	19		38286	19		39154	19		43272	53	
33830	48		35009	29		38108	19		38288	19		39156	19		43274	53	
33831	48		35010	29		38109	19		38292	19		39158	19		43276	53	
33834	48		35015	29		38110	19		38299	19		39160	19		43280	53	
33840	48		35020	29		38111	19		38409	49		39162	19		43284	53	
33906	29		35045	29		38112	19		38410	49		39164	19		43286	53	
33907	29		35392	16		38113	19		38411	49		39166	19		43288	53	
33908	29		35393	14		38114	19		38412	49		39168	19		43298	53	
33909	29		37902	11		38115	19		38413	49		39170	19		43407	55	
33910	29		37903	11		38116	19		38414	49		39172	19		43409	55	
33915	29		37904	11		38117	19		38415	49		39174	19		43410	55	
33920	29		37905	11		38118	19		38416	49		39176	19		43411	55	
33945	29		37906	11		38119	19		38432	49		39178	19		43412	55	
34008	56		37907	11		38136	19		38435	49		39180	19		43413	55	
34009	56		37908	11		38137	19		38460	49		39184	19		43414	55	
34010	56		37909	11		38138	19		38464	49		39186	19		43456	55	
34015	56		37910	11		38200	19		38466	49		39188	19		43460	55	
34020	56		37911	11		38201	19		38468	49		39192	19		43464	55	
34025	56		37912	11		38202	19		38470	49		39195	19		43468	55	
34027	56		37913	11		38203	19		38472	49		39199	19		43470	55	
34030	56		37914	11		38204	19		38474	49		40602	44		43472	55	
34040	56		37915	11		38205	19		38476	49		40603	44		43474	55	
34099	56		37916	11		38206	19		38478	49		40604	44		43476	55	
34405	29		37917	11		38207	19		38480	49		40605	44		43480	55	
34406	29		37918	11		38208	19		38482	49		40606	44		43507	53	
34407	29		37919	11		38209	19		38602	46		40607	44		43509	53	
34408	29		37936	11		38210	19		38603	46		40608	44		43510	53	

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43511	53		44015	56		46472	40		48466	49		53109	35		71372	59	
43512	53		44020	56		46476	40		48468	49		53110	35		71376	59	
43513	53		44025	56		46487	40		48470	49		53111	35		71615	59	
43514	53		44027	56		46489	40		48472	49		53112	35		71620	59	
43613	53		44030	56		46490	40		48474	49		53113	35		71625	59	
43614	53		44240	56		46504	40		48476	49		53114	35		71627	59	
43616	53		44245	56		46505	40		48478	49		53160	35		71630	59	
43617	53		44247	56		46506	40		48480	49		53164	35		71640	59	
43618	53		44250	56		46507	40		48482	49		53168	35		71809	27	
43619	53		44255	56		46508	40		48492	49		53172	35		71810	27	
43646	53		44260	56		46509	40		48496	49		53176	35		71815	27	
43656	53		44608	56		46510	40		50004	51		53205	35		71820	27	
43660	53		44609	56		46511	40		50005	51		53206	35		71825	27	
43664	53		44610	56		46512	40		50008	51		53207	35		71827	27	
43668	53		44615	56		46513	40		50010	51		53208	35		71830	27	
43670	53		44620	56		46514	40		50012	51		53252	35		71834	27	
43672	53		44625	56		46532	40		50017	51		53254	35		71840	27	
43674	53		44627	56		46538	40		50026	51		53256	35		71845	27	
43676	53		44630	56		46548	40		50054	51		67002	21		71850	27	
43680	53		44640	56		46552	40		50055	51		67003	21		71855	27	
43684	53		45204	38		46554	40		50058	51		67004	21		71860	27	
43686	53		45205	38		46556	40		50060	51		67005	21		72809	27	
43688	53		45206	38		46560	40		50062	51		67006	21		72810	27	
43716	55		45207	38		46564	40		50067	51		67007	21		72815	27	
43717	55		45208	38		46568	40		50076	51		67008	21		72820	27	
43718	55		45209	38		46572	40		50102	51		67009	21		72825	27	
43719	55		45210	38		46576	40		50103	51		67010	21		72827	27	
43780	55		45211	38		46587	40		50104	51		67011	21		72830	27	
43784	55		45212	38		46589	40		50105	51		67012	21		72840	27	
43786	55		45213	38		46590	40		50106	51		67013	21		72845	27	
43788	55		45214	38		48305	13		50107	51		67014	21		72850	27	
43807	55		45216	38		48307	13		50125	51		67037	21		72855	27	
43809	55		45252	38		48309	13		50150	51		67050	21		72860	27	
43810	55		45254	38		48310	13		50152	51		67052	21		74009	41	
43811	55		45256	38		48311	13		50154	51		67054	21		74010	41	
43812	55		45260	38		48312	13		50156	51		67056	21		74015	41	
43813	55		45264	38		48313	13		50205	51		67060	21		74020	41	
43814	55		45268	38		48314	13		50206	51		67064	21		74025	41	
43856	55		45272	38		48332	13		50207	51		67068	21		74027	41	
43860	55		45276	38		48354	13		50208	51		67072	21		74030	41	
43864	55		46404	40		48356	13		50209	51		67076	21		74034	41	
43868	55		46405	40		48360	13		50210	51		67099	21		74040	41	
43870	55		46406	40		48364	13		50215	51		69499	7		74045	41	
43872	55		46407	40		48368	13		50305	51		69600	5		74050	41	
43874	55		46408	40		48372	13		50306	51		69637	7		74055	41	
43876	55		46409	40		48376	13		50307	51		69699	7		74602	45	
43913	55		46410	40		48386	13		50308	51		71306	59		74603	45	
43914	55		46411	40		48409	49		50309	51		71307	59		74604	45	
43916	55		46412	40		48410	49		50310	51		71308	59		74605	45	
43917	55		46413	40		48411	49		50315	51		71309	59		74606	45	
43918	55		46414	40		48412	49		50404	51		71310	59		74607	45	
43919	55		46432	40		48413	49		50405	51		71311	59		74608	45	
43980	55		46438	40		48414	49		50408	51		71312	59		74609	45	
43984	55		46448	40		48415	49		50409	51		71313	59		74610	45	
43986	55		46452	40		48416	49		50410	51		71314	59		74611	45	
43988	55		46454	40		48432	49		50412	51		71354	59		74612	45	
44007	56		46456	40		48435	49		50417	51		71356	59		74613	45	
44008	56		46460	40		48445	49		50422	51		71360	59		74614	45	
44009	56		46464	40		48460	49		50426	51		71364	59		74632	45	
44010	56		46468	40		48464	49		50431	51		71368	59		74637	45	

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74649	45		75754	12		82705	42		88715	25							
74650	45		75756	12		82706	42		88720	25							
74652	45		75760	12		82707	42		88725	25							
74654	45		75764	12		82708	42		88727	25							
74656	45		75768	12		83112	62		88730	25							
74660	45		75772	12		83113	62		88740	25							
74664	45		75776	12		83114	62		88745	25							
74668	45		75902	12		83115	62		88747	25							
74670	45		75903	12		83116	62		88750	25							
74672	45		75904	12		83117	62		88755	25							
74674	45		75905	12		83118	62		88756	25							
74676	45		75906	12		83119	62		88760	25							
74686	45		75907	12		83143	62		88764	25							
74699	45		75908	12		83187	62		88768	25							
74937	12		75909	12		83187T	62		88770	25							
74938	12		75910	12		86900	57		88772	25							
74992	12		75911	12		86901	57		88776	25							
74999	12		75912	12		86902	57		94205	61							
75109	36		75913	12		87900	57		94220	61							
75110	36		75914	12		87901	57		94230	63							
75111	36		75949	12		87902	57										
75112	36		75950	12		87903	57										
75113	36		75952	12		87904	57										
75114	36		75954	12		87905	57										
75146	36		75956	12		87906	57										
75148	36		75960	12		87907	57										
75160	36		75964	12		87908	57										
75164	36		75968	12		88007	25										
75168	36		75972	12		88008	25										
75172	36		75976	12		88009	25										
75176	36		77002	21		88010	25										
75509	47		77003	21		88011	25										
75510	47		77004	21		88012	25										
75515	47		77005	21		88013	25										
75520	47		77006	21		88014	25										
75525	47		77007	21		88056	25										
75527	47		77008	21		88060	25										
75530	47		77009	21		88064	25										
75534	47		77010	21		88068	25										
75540	47		77011	21		88070	25										
75545	47		77012	21		88072	25										
75550	47		77013	21		88076	25										
75555	47		77014	21		88215	25										
75560	47		77037	21		88220	25										
75702	12		77050	21		88225	25										
75703	12		77052	21		88227	25										
75704	12		77054	21		88230	25										
75705	12		77056	21		88240	25										
75706	12		77060	21		88245	25										
75707	12		77064	21		88247	25										
75708	12		77068	21		88250	25										
75709	12		77072	21		88255	25										
75710	12		77076	21		88707	25										
75711	12		77099	21		88708	25										
75712	12		81705	42		88709	25										
75713	12		81706	42		88710	25										
75714	12		81707	42		88711	25										
75749	12		81708	42		88712	25										
75750	12		81710	42		88713	25										
75752	12		81712	42		88714	25										

PART#	PAGE#	PART#	PAGE#	PART#	PAGE#	PART#	PAGE#	PART#	PAGE#	PART#	PAGE#
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02087	71	12291	74								
02088	71	13003	79								
02090	71	13005	79								
02300	77	13007	79								
02310	77	13012	79								
02330	77	13030	79								
03083	79	13032	79								
03291	81	13037	79								
03300	83	13040	79								
03320	83	13045	79								
03330	83	13083	79								
03680	85	13087	79								
04083	87	13090	79								
04370	86	13147	80								
05370	88	13148	80								
11005	67	13149	80								
11008	67	13150	80								
11012	67	13172	80								
11030	67	13200	80								
11032	67	13201	80								
11036	67	13202	80								
11041	67	13215	82								
11044	67	13286	81								
11082	67	13290	81								
11083	67	13291	81								
11087	67	13601	85								
11090	67	13603	85								
12005	71	13607	85								
12008	71	13621	85								
12012	71	13622	85								
12030	71	13640	85								
12032	71	13641	85								
12037	71	14001	87								
12041	71	14002	87								
12044	71	14003	87								
12061	72	14005	87								
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12063	72	14009	87								
12065	72	14080	87								
12100	73	14081	87								
12101	73	14082	87								
12102	73	14083	87								
12130	73	14140	87								
12131	73	14141	87								
12147	72	14142	87								
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12172	72										
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12215	76										
12280	75										
12281	75										
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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	1488	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	—	—	—	—
TORX® Size	Bondhus Straight TORX®								
	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	3.7	25	2.8	4, 5	6	5	10, 12	—
T15	57	6.4	41	4.6	6	8	6	—	—
T20	93	10.5	61	6.9	—	10	8	1/4	—
T25	140	15.8	85	9.6	8	12	10	—	—
T27	199	22.5	96	10.8	10, 12	1/4	12	5/16	—
T30	276	31.2	110	12.4	1/4	—	1/4	3/8	—
T40	480	54.2	363	41.0	—	5/16, 3/8	—	7/16	—
T45	763	86.2	409	46.2	5/16	—	3/8	1/2	—
T50	1171	132.3	440	49.7	3/8	7/16	7/16	—	—
T55	1931	218.2	799	90.3	7/16, 1/2	1/2	1/2	—	—

**Minimum torque capacities Bondhus tools generate without breakage.
Other manufacturer's tools may break with considerably less torque.

NOTES:

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