

Impact Socket Sets

Individual Impact Sockets

Torque Wrenches & Accessories

Loose Nut Prevention

Wheel Centering Products

Lug Nut Removal Products

Wheel Attaching Hardware

Tire & Wheel Service Tools

Stud & Hub Cleaning Tools

# WHEEL SERVICE

## Impact Socket Sets

## 1/2" DRIVE

ASCOT NO.	MFG. NO.	DESCRIPTION	DETAILS
163-22219	122019K2	1/2" Drive 4-Piece Flank Bite Damaged Nut Remover Socket Set	<ul style="list-style-type: none"> <li>• Contains 17mm, 19mm, 21mm, 22mm</li> <li>• Individual sockets also available separately: 17mm (163-22017), 19mm (163-22019), 21mm (163-22021), 22mm (163-22022)</li> <li>• New Flank Bite design works on up to an industry leading 90% rounded lug nut</li> </ul>
167-12050	1205D	1/2" Drive 5-Piece Deep Thin Wall Flip Set	<ul style="list-style-type: none"> <li>• Contains 3/4" x 13/16", 19mm x 21mm, 7/8" x 15/16", 17mm x 19mm, 3" extension</li> </ul>
167-12051	000524	1/2" Drive 5-Piece 1/2 Size Flip Socket Set	<ul style="list-style-type: none"> <li>• Contains 18.5mm x 19.5mm, 21mm x 21.5mm, 21.5mm x 22.5mm, 22mm x 22.5mm, Extractor punch</li> <li>• Individual sockets also available separately</li> <li>• Coated with a rust and corrosion resistant black oxide finish</li> </ul>
163-02849	2849	1/2" Drive Extra Thin Wall 9-Piece SAE & Metric Wheel Protector Socket Set	<ul style="list-style-type: none"> <li>• Contains 6 SAE Sockets: 3/4" (light green), 13/16" (purple), 7/8" (green), 15/16" (brown), 1" (silver) and 1-1/16" (black)</li> <li>• Contains 3 Metric Sockets: 17mm (blue), 19mm (yellow) and 21mm (red)</li> </ul>
163-01150	1150	1/2" Drive 13-Piece SAE Set	<ul style="list-style-type: none"> <li>• Contains 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"</li> </ul>
163-01151	1151D	1/2" Drive 13-Piece Deep Set	<ul style="list-style-type: none"> <li>• Contains 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"</li> </ul>
163-01152	1152M	1/2" Drive 14-Piece Metric Standard Set	<ul style="list-style-type: none"> <li>• Contains 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 26mm, 27mm</li> </ul>
163-01153	1153MD	1/2" Drive 14-Piece Metric Deep Set	<ul style="list-style-type: none"> <li>• Contains 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 26mm, 27mm</li> </ul>
163-05153	1153DD	1/2" Drive 29-Piece Metric and SAE 6 Point Deep Impact Socket Set	<ul style="list-style-type: none"> <li>• Contains (Deep SAE) 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8" and 1-1/4"</li> <li>• Contains (Deep Metric) 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26 and 27mm</li> <li>• Contains (Deep Flip) 3/4" x 13/16" deep &amp; 19mm x 21mm</li> </ul>
163-02668	2668	1/2" Drive Master 39-Piece SAE Impact Socket Set	<ul style="list-style-type: none"> <li>• Contains (Std) 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16" and 1-1/2"</li> <li>• Contains (Deep) 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16" and 1-1/2" Universal</li> </ul>
163-02669	2669	1/2" Drive Master 39-Piece Metric Impact Socket Set	<ul style="list-style-type: none"> <li>• Contains (Std) 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 26mm, 27mm and 30mm</li> <li>• Contains (Deep) 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 26mm, 27mm and 30mm Universal Joint</li> </ul>



163-22219

167-12050

167-12051

163-02849

163-01150



163-01151

163-01152

163-01153

163-01153

163-02668

163-02669

# Impact Socket Sets

## 3/4" DRIVE

ASCOT NO.	MFG. NO.	DESCRIPTION	DETAILS
164-04626	4626	3/4" Drive 4-Piece Budd Wheel Socket Set	• Contains 1-1/2" hex x 13/16 square budd wheel impact socket, 35mm x 17mm square budd wheel impact socket, 41mm x 21mm square budd wheel impact socket and 33mm deep
164-02185	2185M	3/4" Drive 5-Piece Metric Standard Truck Set	• Contains 4 pts. Budd wheel standard length, 17mm, 27mm, 30mm, 33mm, 35mm standard
164-02181	2181D	3/4" Drive 8-Piece SAE Deep Set	• Contains 1", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2"
164-02110	2110	3/4" Drive 10-Piece Truck Set	• Contains 13/16" Square, 1-1/16", 1-1/8", 1-1/4" Thin Wall Deep, 1-1/2" Budd Wheel, 17mm & 21mm Square, 33mm, 35mm & 41mm Deep



164-04626



164-02185



164-02181



164-02110

## 1" DRIVE & MISCELLANEOUS SETS

ASCOT NO.	MFG. NO.	DESCRIPTION	DETAILS
169-01234	1234A	4-Piece Impact Adapter Socket Set	• Contains 1/2" (F) x 3/4" (M) adapter, 3/4" (F) x 1" (M) adapter, 3/4" (F) x 1/2" (M) adapter, 1" (F) x 3/4" (M) adapter
165-05626	5626	1" Drive 5-Piece Budd Wheel Socket Set	• Contains 1-1/2" hex x 13/16" square budd wheel impact socket, 35mm x 17mm square budd wheel impact socket, 38mm x 20mm square budd wheel impact socket, 41mm x 21mm square budd wheel impact socket and 33mm deep
165-03197	3197M	1" Drive 7-Piece Metric Truck Set	• Contains 17mm, 21mm, 4 pts. budd wheel standard length, 27mm, 33mm, 36mm, 41mm deep
165-03119	3119	1" Drive 9-Piece Large Truck Socket Set	• Contains 13/16" & 15/16" square, 33mm, 1-1/2", 1-5/8", 1-3/4", 1-7/8", 2" & 2-1/2" deep sockets
165-03190	3190	1" Drive 9-Piece SAE Truck Set	• Contains 13/16", 4 points budd wheel standard length, 7/8", 15/16", 1", 1-3/16", 1-1/2" deep with inside lip, 1-1/16", 1-1/8", 1-1/4" thin wall deep
166-04191	4191	#5 Spline Drive 9-Piece SAE Truck Set	• Contains 13/16", 4 points budd wheel standard length, 7/8", 15/16", 1", 1-3/16", 1-1/2" deep with inside lip, 1-1/16", 1-1/8", 1-1/4" thin wall deep



169-01234



165-05626



165-03197



165-03119



165-03190



166-04191



# Individual Impact Sockets

1/2" DR STANDARD IMPACT SOCKETS

ASCOT NO.	MFG. NO.	DESCRIPTION
<b>METRIC</b>		
163-10100	1010M	1/2" Drive x 10mm Std.
163-10111	1011M	1/2" Drive x 11mm Std.
163-10120	1012M	1/2" Drive x 12mm Std.
163-10130	1013M	1/2" Drive x 13mm Std.
163-10142	1014M	1/2" Drive x 14mm Std.
163-10150	1015M	1/2" Drive x 15mm Std.
163-10162	1016M	1/2" Drive x 16mm Std.
163-10170	1017M	1/2" Drive x 17mm Std.
163-10182	1018M	1/2" Drive x 18mm Std.
163-10190	1019M	1/2" Drive x 19mm Std.
163-10210	1021M	1/2" Drive x 21mm Std.
163-10221	1022M	1/2" Drive x 22mm Std.
163-10262	1026M	1/2" Drive x 26mm Std.
163-10270	1027M	1/2" Drive x 27mm Std.
<b>SAE</b>		
163-10140	1014	1/2" Drive x 7/16" Std.
163-10160	1016	1/2" Drive x 1/2" Std.
163-10180	1018	1/2" Drive x 9/16" Std.
163-10200	1020	1/2" Drive x 5/8" Std.
163-10220	1022	1/2" Drive x 11/16" Std.
163-10240	1024	1/2" Drive x 3/4" Std.
163-10260	1026	1/2" Drive x 13/16" Std.
163-10280	1028	1/2" Drive x 7/8" Std.
163-01030	1030	1/2" Drive x 15/16" Std.
163-10320	1032	1/2" Drive x 1" Std.
163-10360	1036	1/2" Drive x 1-1/8" Std.
163-10400	1040	1/2" Drive x 1-1/4" Std.

1/2" DR EXTRA THIN WALL IMPACT SOCKETS

ASCOT NO.	MFG. NO.	DESCRIPTION
<b>METRIC</b>		
163-10172	1017MEDT	1/2" Drive x 17mm Extra Thin Wall
163-10183	1018MEDT	1/2" Drive x 18mm Extra Thin Wall
163-10191	1019MEDT	1/2" Drive x 19mm Extra Thin Wall
163-10211	1021MEDT	1/2" Drive x 21mm Extra Thin Wall
163-10223	1022MEDT	1/2" Drive x 22mm Extra Thin Wall
163-10230	1023MEDT	1/2" Drive x 23mm Extra Thin Wall
<b>SAE</b>		
163-10241	1024EDT	1/2" Drive x 3/4" Extra Thin Wall
163-10261	1026EDT	1/2" Drive x 13/16" Extra Thin Wall
163-10282	1028EDT	1/2" Drive x 7/8" Extra Thin Wall

## 1/2" DRIVE 17MM EXTRA THIN WALL DEEP MERCEDES SOCKET

- Features a 17mm x 6-point "flower petal design" • Suited for rugged impact use and features a detent ball hole in the base to allow for secure attachment to those tools • Works on 2012 and newer model year Mercedes Benz S-Class as well as those select 2007 and newer model year CL-Class, GL-Class, GLK-Class, GLS-Class and others that use 17mm convex "flower petal" lug bolts • Protective sleeve to prevent damage to the wheel • Designed for use with 1/2-Inch Square Drives



ASCOT NO.	MFG. NO.	DESCRIPTION
163-10174	1017MEDTM	1/2" Drive 17mm Extra Thin Wall Deep Mercedes socket

1/2" DR DEEP IMPACT SOCKETS

ASCOT NO.	MFG. NO.	DESCRIPTION
<b>METRIC</b>		
163-10101	1010MD	1/2" Drive x 10mm Deep
163-10121	1012MD	1/2" Drive x 12mm Deep
163-10131	1013MD	1/2" Drive x 13mm Deep
163-10143	1014MD	1/2" Drive x 14mm Deep
163-10151	1015MD	1/2" Drive x 15mm Deep
163-10163	1016MD	1/2" Drive x 16mm Deep
163-10171	1017MD	1/2" Drive x 17mm Deep
163-22017	122019K2-17	1/2" Drive x 17mm Deep
163-01018	1018MD	1/2" Drive x 18mm Deep
163-01019	1019MD	1/2" Drive x 19mm Deep
163-22019	122019K2-19	1/2" Drive x 19mm Deep
163-01021	1021MD	1/2" Drive x 21mm Deep
163-22021	122019K2-21	1/2" Drive x 21mm Deep
163-10222	1022MD	1/2" Drive x 22mm Deep
163-22022	122019K2-22	1/2" Drive x 22mm Deep
163-10263	1026MD	1/2" Drive x 26mm Deep
163-10271	1027MD	1/2" Drive x 27mm Deep
163-10283	1028MD	1/2" Drive x 28mm Deep
163-01032	1032MD	1/2" Drive x 32mm Deep
163-01033	1033MD	1/2" Drive x 33mm Deep
<b>SAE</b>		
163-10141	1014D	1/2" Drive x 7/16" Deep
163-10161	1016D	1/2" Drive x 1/2" Deep
163-10181	1018D	1/2" Drive x 9/16" Deep
163-10201	1020D	1/2" Drive x 5/8" Deep
163-01022	1022D	1/2" Drive x 11/16" Deep
163-01024	1024D	1/2" Drive x 3/4" Deep
163-01026	1026D	1/2" Drive x 13/16" Deep
163-10281	1028D	1/2" Drive x 7/8" Deep
163-10300	1030D	1/2" Drive x 15/16" Deep
163-11032	1032D	1/2" Drive x 1" Deep
163-01034	1034D	1/2" Drive x 1-1/16" Deep
163-01036	1036D	1/2" Drive x 1-1/8" Deep
163-10401	1040D	1/2" Drive x 1-1/4" Deep
163-01048	1048D	1/2" Drive x 1-1/2" Deep
163-15260	1526SD	1/2" Drive x 13/16" Square 8-Point

1/2" DR FLIP IMPACT SOCKETS

ASCOT NO.	MFG. NO.	DESCRIPTION
<b>METRIC</b>		
167-12110	1211D	1/2" Dr. x 11mm x 12mm Chrome Deep Flip
167-12179	1271DT	1/2" Dr. x 17mm x 19mm Deep Thin Flip
167-12910	1291	1/2" Dr. x 19mm x 21mm Std. Flip
167-12911	1291D	1/2" Dr. x 19mm x 21mm Deep Flip
167-12912	1291DT	1/2" Dr. x 19mm x 21mm Deep Extra Thin Flip
167-18195	1A7535	1/2" Dr. x 18.5mm x 19.5mm Deep Flip
167-21215	1A7538	1/2" Dr/ x 21mm x 21.5mm Deep Flip
167-21225	1A7542	1/2" Dr. x 21.5mm x 22.5mm Deep Flip
167-22225	1A7540	1/2" Dr. x 22mm x 22.5mm Deep Flip
<b>SAE</b>		
167-12460	1246D	1/2" Dr. x 3/4" x 13/16" Deep Flip
167-12461	1246DT	1/2" Dr. x 3/4" x 13/16" Deep Extra Thin Flip
167-12490	1249D	1/2" Dr. x 7/8" x 15/16" Deep Flip
167-12510	1251D	1/2" Dr. x 1" x 1-1/16" Deep Flip



ASCOT NO.	MFG. NO.	DESCRIPTION
164-02017	2017MS	3/4" Drive x 17mm Square
164-02019	2019MS	3/4" Drive x 19mm Square
164-02020	2020MS	3/4" Drive x 20mm Square
164-02021	2021MS	3/4" Drive x 21mm Square
164-02024	2024D	3/4" Drive x 3/4" Deep
164-02026	2026S	3/4" Drive x 13/16" Square
164-02028	2028D	3/4" Drive x 7/8" Deep
164-02030	2030	3/4" Drive x 15/16" Std.
164-02032	2032D	3/4" Drive x 1" Deep
164-02033	2033MD	3/4" Drive x 33mm Deep
164-02034	2034DT	3/4" Drive x 1-1/16" Deep Thin Wall

**METRIC**

164-20270	2027M	3/4" Drive x 27mm Std.
164-20271	2027MD	3/4" Drive x 27mm Deep
164-20301	2030M	3/4" Drive x 30mm Std.
164-20330	2033M	3/4" Drive x 33mm Std.
164-02035	2035M	3/4" Drive x 35mm Std.
164-20350	2035MD	3/4" Drive x 35mm Deep
164-20360	2036MD	3/4" Drive x 36mm Deep
164-02041	2041MD	3/4" Drive x 41mm Deep

**SAE**

164-20260	2026D	3/4" Drive x 13/16" Deep
164-20300	2030D	3/4" Drive x 15/16" Deep
164-02036	2036DT	3/4" Drive x 1-1/8" Deep Thin Wall
164-20401	2040D	3/4" Drive x 1-1/4" Deep
164-20402	2040DT	3/4" Drive x 1-1/4" Deep Thin Wall
164-02038	2038D	3/4" Drive x 1-3/16" Deep
164-02042	2042D	3/4" Drive x 1-5/16" Deep
164-02044	2044D	3/4" Drive x 1-3/8" Deep
164-02046	2046D	3/4" Drive x 1-7/16" Deep
164-20480	2048	3/4" Drive x 1-1/2" Std.
164-20481	2048D	3/4" Drive x 1-1/2" Deep
164-20482	2048DR	3/4" Drive x 1-1/2" Limited Depth
164-02052	2052D	3/4" Drive x 1-5/8" Deep
164-02056	2056D	3/4" Drive x 1-3/4" Deep
164-02060	2060D	3/4" Drive x 1-7/8" Deep
164-02323	2323C	3/4" Drive x 1-1/2" Hex x 13/16" Square

ASCOT NO.	MFG. NO.	DESCRIPTION
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**METRIC**

166-04033	4033MD	#5 Spline x 33mm Deep
166-04035	4035MDT	#5 Spline x 35mm Deep Thin Wall
166-04041	4041MDT	#5 Spline x 41mm Deep Thin Wall

**SAE**

166-04026	4026S	#5 Spline x 13/16" Square
166-04034	4034DT	#5 Spline x 1-1/16" Deep Thin Wall
166-40360	4036D	#5 Spline x 1-1/8" Deep
166-40361	4036DT	#5 Spline x 1-1/8" Deep Thin Wall
166-04038	4038	#5 Spline x 1-3/16" Std.
166-04040	4040DT	#5 Spline x 1-1/4" Deep Thin Wall
166-04042	4042DT	#5 Spline x 1-5/16" Deep Thin Wall
166-04048	4048D	#5 Spline x 1-1/2" Deep w/Inside Lip
166-40480	4048DT	#5 Spline x 1-1/2" Deep Thin Wall
166-04323	4323C	#5 Spline x 13/16" Square x 1-1/2" Hex

ASCOT NO.	MFG. NO.	DESCRIPTION
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**METRIC**

165-03017	3017MS	1" Drive x 17mm Square
165-03019	3019MS	1" Drive x 19mm Square
165-03020	3020MS	1" Drive x 20mm Square
165-03021	3021MS	1" Drive x 21mm Square
165-03027	3027MD	1" Drive x 27mm Deep
165-30302	3030MD	1" Drive x 30mm Deep
165-03033	3033MD	1" Drive x 33mm Deep
165-03035	3035MD	1" Drive x 35mm Deep
165-30381	3038MD	1" Drive x 38mm Deep
165-30410	3041MDT	1" Drive x 41mm Deep Thin Wall
165-03041	3041MD	1" Drive x 41mm Deep
165-03321	3321MC	1" Drive 41mm x 21mm Square
165-03517	3517MC	1" Drive x 35mm Deep x 17mm Sq.
165-03820	3820MC	1" Drive x 38mm Deep x 20mm Sq.

**SAE**

165-03026	3026S	1" Drive x 13/16" Square
165-03030	3030S	1" Drive x 15/16" Square
165-03034	3034DT	1" Drive x 1-1/16" Thin Wall Deep
165-03042	3042D	1" Drive x 1-5/16" Deep
165-03044	3044D	1" Drive x 1-3/8" Deep
165-03046	3046D	1" Drive x 1-7/16" Deep
165-03052	3052D	1" Drive x 1-5/8" Deep
165-03054	3054D	1" Drive x 1-11/16" Deep
165-03056	3056D	1" Drive x 1-3/4" Deep
165-03060	3060D	1" Drive x 1-7/8" Deep
165-03323	3323C	1" Drive 1-1/2" Hex x 13/16" Square
165-30280	3028	1" Drive x 7/8" Std.
165-30281	3028D	1" Drive x 7/8" Deep
165-30300	3030	1" Drive x 15/16" Std.
165-30301	3030D	1" Drive x 15/16" Deep
165-30320	3032	1" Drive x 1" Std.
165-30321	3032D	1" Drive x 1" Deep
165-30361	3036D	1" Drive x 1-1/8" Deep
165-30362	3036DT	1" Drive x 1-1/8" Deep Thin Wall
165-30380	3038D	1" Drive x 1-3/16" Deep
165-30401	3040D	1" Drive x 1-1/4" Deep
165-30402	3040DT	1" Drive x 1-1/4" Deep Thin Wall
165-30420	3042DT	1" Drive x 1-5/16" Deep Thin Wall
165-30481	3048D	1" Drive x 1-1/2" Deep w/Inside Lip
165-30482	3048DR	1" Drive x 1-1/2" Deep - Standard

ASCOT NO.	MFG. NO.	DESCRIPTION
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169-01002	1002E	1/4" Drive x 2" Chrome Extension
169-01003	1003E	1/2" Drive x 3" Extension
169-01005	1005E	1/2" Drive x 5" Extension
169-01020	1020A	1/2" Drive Female x 3/4" Male Adapt.
169-02006	2006E	3/4" Drive x 6" Extension
169-02010	2010A	3/4" Drive Female x 1/2" Male Adapt.
169-02030	2030A	3/4" Drive Female x 1" Male Adapt.
169-20100	2010E	3/4" Drive x 10" Extension
169-02013	2013E	3/4" Drive x 13" Extension
169-03006	3006E	1" Drive x 6" Extension
169-03010	3010E	1" Drive x 10" Extension
169-03013	3013E	1" Drive x 13" Extension
169-03020	3020A	1" Drive Female x 3/4" Male Adapt.
169-04010	4010A	#5 Spline Female x 3/4" Male Adapt.
169-04020	4020A	#5 Spline Female x 1" Male Adapt.

3/4" DR IMPACT SOCKETS

1" DR IMPACT SOCKETS

#5 SPLINE DR IMPACT SOCKETS

IMPACT EXTENSIONS & ADAPTERS

WHEEL SERVICE PRODUCTS

# Torque Wrenches & Accessories

## PASSENGER CAR AND LIGHT TRUCK TORQUE SOCKETS

• Sockets properly torque wheel nuts to exact factory specs • Prevents warping of rotors, which causes brake pulsation • Eliminates broken studs and nuts • Avoids damage to aluminum alloy wheels • Stops customer complaints about over-tightened lug nuts • Strobe marks stop turning at the CORRECT torque

495-30322



ASCOT NO.	MFG. NO.	DESCRIPTION
495-30322	KTI30322A	10-Piece 1/2" Drive Torque Socket Set. SET INCLUDES: Green, Red, Yellow, Blue, Grey, Light Brown, Brown, White, Turquoise, Light Green
495-30323	KTI30323A	10-Piece 1/2" Torque Sticks For Auto and Light Truck. SET INCLUDES: Mud, Off-White, Light Yellow, Light Tan, Quartz, Red Orange, Charcoal, Orange, Light Blue, Light Purple
495-30950	KTI30950	5-Piece 1/2" Drive Torque Socket Set. SET INCLUDES: Grey, Light Brown, White, Turquoise, Charcoal
495-30960	KTI30960	6-Piece 1/2" Drive Torque Socket Set. SET INCLUDES: Green, Red, Yellow, Off White, Light Yellow, Orange"

ASCOT NO.	MFG. NO.	DESC.	DRIVE	SIZE	TORQUE	OTHER
<b>PASSENGER CAR &amp; LIGHT TRUCK TORQUE SOCKETS: KIT CONTENTS</b>						
495-30304	KTI30304A	Green	1/2"	17mm	55 ft./lb.	
495-30305	KTI30305A	Red	1/2"	17mm	80 ft./lb.	
495-30306	KTI30306A	Yellow	1/2"	19mm (3/4")	65 ft./lb.	Deep Well
495-30307	KTI30307A	Blue	1/2"	19mm (3/4")	80 ft./lb.	Deep Well
495-30308	KTI30308A	Grey	1/2"	19mm (3/4")	100 ft./lb.	
495-30309	KTI30309A	Black	1/2"	21mm	60 ft./lb.	
495-30310	KTI30310A	Light Brown	1/2"	21mm	80 ft./lb.	
495-30311	KTI30311A	Brown	1/2"	21mm	100 ft./lb.	
495-30312	KTI30312A	White	1/2"	22mm (7/8")	120 ft./lb.	Deep Well
495-30313	KTI30313A	Turquoise	1/2"	22mm (7/8")	140 ft./lb.	Deep Well
495-30327	KTI30327A	Light Blue	1/2"	22mm (7/8")	100 ft./lb.	
495-30328	KTI30328A	Charcoal	1/2"	21mm	147 ft./lb.	Deep Well
495-30329	KTI30329A	Off White	1/2"	17mm	90 ft./lb.	
495-30334	KTI30334A	Light Yellow	1/2"	17mm	113 ft./lb.	
495-30336	KTI30336A	Orange	1/2"	22mm (7/8")	75 ft./lb.	
495-30337	KTI30337A	Dark Green	1/2"	22mm (7/8")	60 ft./lb.	
495-30338	KTI30338	Pearl Copper	1/2"	22mm (7/8")	110 ft./lb.	
495-30339	KTI30339	Pink	1/2"	22mm (7/8")	154 ft./lb.	
495-30340	KTI30340A	Mud	1/2"	14mm	80 ft./lb.	
495-30341	KTI30341A	Quartz	1/2"	19mm (3/4")	120 ft./lb.	
495-30342	KTI30342A	Light Tan	1/2"	19mm (3/4")	90 ft./lb.	
495-30343	KTI30343A	Red Orange	1/2"	21mm	110 ft./lb.	
495-30898	KTI30898A	Light Purple	1/2"	21mm	160 ft./lb.	
495-30899	KTI30899A	Light Green	1/2"	24mm	140 ft./lb.	Deep Well
495-30912	KTI30912	Purple	1/2"	19mm (3/4")	110 ft./lb.	Deep Well

## HEAVY DUTY TRUCK TORQUE EXTENSIONS



• Heavy duty truck extensions can convert sockets into Torque Sockets  
• Available in 3/4" and 1" drives



Heavy Duty Truck Torque Extensions

ASCOT NO.	MFG. NO.	DESCRIPTION
495-16000	LT1600M	3/4" Dr. Truck Torque Extension - 475 ft./lb.
495-16001	LT1600N	3/4" Dr. Truck Torque Extension - 250 ft./lb.
495-16002	LT1600Q	3/4" Dr. Truck Torque Extension - 175 ft./lb.
495-16003	LT1600U	3/4" Dr. Truck Torque Extension - 350 ft./lb.
495-16014	LT1600P	1" Drive Truck Torque Extension - 475 ft./lb.
495-16015	LT1600R	1" Drive Truck Torque Extension - 250 ft./lb.
495-16016	LT1600S	1" Drive Truck Torque Extension - 350 ft./lb.
495-16017	LT1600T	1" Drive Truck Torque Extension - 175 ft./lb.

169-13413



## 3/4" X 1" X 13" TORQUE WRENCH EXTENSION

ASCOT NO.	MFG. NO.	DESCRIPTION
169-13413	13413E	3/4" Dr. x 1" Dr. x 13" Impact Extension
168-12997	12297	3/4" Drive Block for Flex Hinge Torque Wrench
168-12999	12299	1" Drive Block for Flex Hinge Torque Wrench





MEDIUM/HEAVY DUTY TORQUE SOCKETS

- Sockets properly torque wheel nuts to exact factory specs
- Prevents warping of rotors, which causes brake pulsation
- Eliminates broken studs and nuts
- Avoids damage to aluminum alloy wheels
- Stops customer complaints about over-tightened lug nuts
- Strobe marks stop turning at the CORRECT torque
- Includes heavy duty case



495-30400

ASCOT NO.	MFG. NO.	DESCRIPTION
495-30400	KTI30400A	4-Piece Heavy Duty Truck Torque Socket Set. SET INCLUDES: HD Red, HD Brown, HD Black and HD Yellow
495-30940	KTI30940	4-Piece 1" Drive Truck Torque Socket Set. SET INCLUDES: 1-1/4" 1" Drive Torque Hex 250 ft./lb. Red, 33mm 1" Drive Torque Hex 475 ft./lb. Brown, 1-1/2" 1" Drive Torque Hex 475 ft./lb. Black; 13/16" 1" Drive Torque Sq. 475 ft./lb. Yellow

ASCOT NO.	MFG. NO.	DESC.	DRIVE	SIZE	TORQUE	OTHER
<b>MEDIUM/HEAVY DUTY TORQUE SOCKETS: KIT CONTENTS</b>						
495-30908	KTI30908A	HD Red	1"	1-1/4"	250 ft./lb.	
495-30909	KTI30909A	HD Brown	1"	33mm	475 ft./lb.	
495-30910	KTI30910A	HD Black	1"	1-1/2"	475 ft./lb.	
495-30911	KTI30911A	HD Yellow	1"	13/16"	475 ft./lb.	
495-30913	KTI30913A	HD Grey	1"	33mm	550 ft./lb.	
495-30914	KTI30914A	HD Grey	1"	33mm	550 ft./lb.	Extended
495-30918	KTI30918A	HD Red	3/4"	1-1/4"	250 ft./lb.	
495-30919	KTI30919A	HD Brown	3/4"	33mm	475 ft./lb.	

10-PIECE 1/2" DRIVE TORQUE LIMITING SOCKET SET

- Contains the most popular torque sockets to service the majority of passenger cars and light trucks
- SET INCLUDES: All 10 torque sockets listed below
- Lifetime warranty
- Heavy duty blow molded case
- Lug nut torque application chart included



168-02880

ASCOT NO.	MFG. NO.	DESCRIPTION
168-02880	12880	10-Piece Torque Limiting Socket Set

ASCOT NO.	MFG. NO.	DESCRIPTION
<b>10-PIECE 1/2" DRIVE TORQUE LIMITING SOCKET SET: KIT CONTENTS</b>		
168-21755	121755M	1/2" Drive 17mm - 55 ft./lb. Torque Socket - Green
168-21780	121780M	1/2" Drive 17mm - 80 ft./lb. Torque Socket - Red
168-21910	121910M	1/2" Drive 19mm (3/4") - 100 ft./lb. Torque Socket - Gray
168-21965	121965M	1/2" Drive 19mm (3/4") - 65 ft./lb. Torque Socket - Yellow
168-21980	121980M	1/2" Drive 19mm (3/4") - 80 ft./lb. Torque Socket - Blue
168-22180	122180M	1/2" Drive 21mm - 80 ft./lb. Torque socket - Light Brown
168-22212	122212M	1/2" Drive 22mm (7/8") - 120 ft./lb. Torque Socket - White
168-22214	122214M	1/2" Drive 22mm (7/8") - 140 ft./lb. Torque Socket - Turquoise
168-22610	122610	1/2" Drive 13/16" - 100 ft./lb. Torque Socket - Brown
168-23014	123014	1/2" Drive 15/16" - 140 ft./lb. Torque Socket - Light Green

1/2" DRIVE 22MM TORQUE SOCKETS

- Constructed from heat treated spring steel
- Solid one-piece construction
- Deep well



168-22110

ASCOT NO.	MFG. NO.	DESCRIPTION
168-22110	122110M	1/2" Drive 22mm 110 ft./lb. Torque Socket - Copper APPLICATIONS: Buick LaCrosse 2010+, Regal 2011+, Cadillac XTS 2011+, Chevrolet Camaro 2011+, Saab 9-4X 2010+
168-12254	122115M	1/2" Drive 22mm 154 ft./lb. Torque Socket - Pink APPLICATIONS: Toyota Land Cruiser 2004-06, 2008+, Tundra

168-12254

WHEEL SERVICE PRODUCTS

## Torque Wrenches & Accessories (cont.)

### 2022 LUG NUT TORQUE APPLICATION CHART

- Wall chart measuring 26-3/4" x 39-1/4" • Provides lug nut specifications for cars and light trucks to Model Year 2022 • For use with Original Equipment wheels • Laminated for durability • Shipped in a protective mailing tube



\*Appearance of chart may vary

168-02022

ASCOT NO.	MFG. NO.	DESCRIPTION
168-02022	TC2022	Lug Nut Torque Application Chart

### 1/2" DRIVE TORQUE WRENCH

- Dual direction • Locking collar prevents accidental setting adjustment • Easy-to-read laser marked scale • Blow molded case with calibration certificate • RANGE: 25-250 ft./lb. • OVERALL LENGTH: 25"

ASCOT NO.	MFG. NO.	DESCRIPTION
168-00425	AS-425	1/2" Drive Torque Wrench

168-00425



### 1/4" DRIVE TORQUE WRENCH

- Easy-to-read and set for error-free adjustments • Automatic locking torque adjustment • Ideal for TPMS applications • Blow molded case • RANGE: 10-150 in./lbs.



ASCOT NO.	MFG. NO.	DESCRIPTION
168-00652	AS-652H	1/4" Drive Torque Wrench



168-00652

### SPLIT BEAM TORQUE WRENCHES

- +/-4% accuracy • Non coil-spring mechanism, no need to return to zero after use, which results in longer tool life • Knob-type torque adjustment for faster and energy saving efficiency • Torque setting easily read through the window scale • TPR cushion handle is oil resistant, the handle provides comfort and ease of control • Loud click sound and strong impulse when required torque is reached



ASCOT NO.	MFG. NO.	DESCRIPTION
168-00250	250-SB	1/2" Drive 250 ft./lb. Split Beam Torque Wrench
168-00600	600-SB	3/4" Drive 600 ft./lb. Split Beam Torque Wrench

168-00250



168-00600



168-60011

### FLEX HINGE STYLE TORQUE WRENCH

- Robust construction • ACCURATE RESULTS: ±4% • Adjustable torque settings • DUAL SCALED: ft./lb. and N.m • The large break angle improves accuracy by reducing the possibility of over-torquing • Cam control of the mechanism gives a controlled break • Every wrench supplied with a calibration certificate • Durable storage case • 2 ADAPTERS INCLUDED: 3/4" to 1", 3/4" to 3/4"

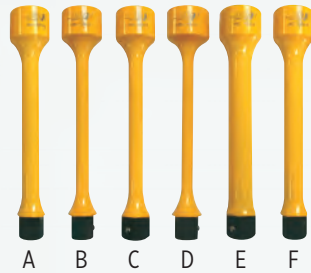
ASCOT NO.	MFG. NO.	DESCRIPTION
168-60011	60011	600 ft./lb. Flex Hinge Style Torque Wrench





## 1" DRIVE TRUCK TORQUE EXTENSIONS

- 1" drive square ends
- Once the proper torque is reached the extension will absorb any excess torque



ASCOT NO.	ITEM	MFG. NO.	DESCRIPTION
495-16004	A	1600-P	1" Drive 475 ft./lb. Torque Limiting Extension
495-16005	B	1600-R	1" Drive 250 ft./lb. Torque Limiting Extension
495-16006	C	1600-S	1" Drive 350 ft./lb. Torque Limiting Extension
495-16007	D	1600-T	1" Drive 175 ft./lb. Torque Limiting Extension
495-16008	E	1600-W	1" Drive 650 ft./lb. Torque Limiting Extension
495-16009	F	1600-Y	1" Drive 550 ft./lb. Torque Limiting Extension

## 1/2" DR 3-PIECE IMPACT TORQUE SOCKET SET

- Thicker design provides superior strength and durability
- Prevents risk of nut damage
- Weight is reduced by 20%
- Torque design extends product's service life
- Protects wheel rim from abrasion

167-01721



ASCOT NO.	MFG. NO.	DESCRIPTION
167-01721	ITS3	1/2" DR 3-Piece Impact Torque Socket Set

## 1/2" DR 5-PIECE TORQUE EXTENSION SET

- Set includes all 5 extension sockets listed below
- Provides the ability to torque wheel nuts on passenger cars to the correct specification
- Set comes in a durable plastic blow molded case
- Individual extensions sold separately

168-12450



ASCOT NO.	MFG. NO.	DESCRIPTION
168-12450	2450	1/2" DR 5-Piece Torque Extension Set

ASCOT NO.	MFG. NO.	DESCRIPTION
<b>1/2" DR 5-PIECE TORQUE EXTENSION SET: KIT CONTENTS</b>		
168-12465	2465	65 ft./lb. Extension - Yellow
168-12480	2480	80 ft./lb. Extension - Blue
168-12410	24100	100 ft./lb. Extension - Gray
168-12412	24120	120 ft./lb. Extension - White
168-12414	24140	140 ft./lb. Extension - Aqua

## ASCOT 4 & 6-PIECE WHEEL TORQUE WRENCH SET

- One-way, not bi-directional
- +/- 4% accuracy
- Cushioned ratchet head
- Color coded presets



6-PIECE SET SHOWN IN IMAGE

ASCOT NO.	MFG. NO.	DESCRIPTION
168-13000	13000	4-Piece Preset Wheel Torque Wrench Set
168-16000	16000	6-Piece Preset/Adjustable (5 Preset - 1 Adjustable) Wheel Torque Wrench Set

ASCOT NO. DESCRIPTION

ASCOT 4-PIECE KIT CONTENTS	
168-12080	80 ft./lb. Preset Torque Wrench - Blue
168-12100	100 ft./lb. Preset Torque Wrench - Gray
168-12120	120 ft./lb. Preset Torque Wrench - White
168-12140	140 ft./lb. Preset Torque Wrench - Aqua
163-91217	1/2" Dr. x 17mm Chrome Socket
163-91219	1/2" Dr. x 19mm Chrome Socket
163-91221	1/2" Dr. x 21mm Chrome Socket
163-91234	1/2" Dr. x 3/4" Chrome Socket
163-91236	1/2" Dr. x 13/16" Chrome Socket
163-91278	1/2" Dr. x 7/8" Chrome Socket
169-12006	Wall Board

ASCOT NO. DESCRIPTION

ASCOT 6-PIECE KIT CONTENTS	
168-12065	65 ft./lb. Preset Torque Wrench - Yellow
168-12080	80 ft./lb. Preset Torque Wrench - Blue
168-12100	100 ft./lb. Preset Torque Wrench - Gray
168-12120	120 ft./lb. Preset Torque Wrench - White
168-12140	140 ft./lb. Preset Torque Wrench - Aqua
163-91217	1/2" Dr. x 17mm Chrome Socket
163-91219	1/2" Dr. x 19mm Chrome Socket
163-91221	1/2" Dr. x 21mm Chrome Socket
163-91234	1/2" Dr. x 3/4" Chrome Socket
163-91236	1/2" Dr. x 13/16" Chrome Socket
163-91278	1/2" Dr. x 7/8" Chrome Socket
168-12106	1/2" Dr. x 6" Chrome Extension
168-12250	250 ft./lb. Single Direction Micro-Adjustable Torque Wrench
169-12006	Wall Board
168-96509	1/2" Preset Torque Wrench Repair Kit

## Torque Wrenches & Accessories (cont.)



### 1" BLUE TORK

• Two pneumatic motors for rundown and final tightening • Preset and adjustable shut off for torque control • ERGONOMICS: Very low noise level, virtually no vibration • EFFICIENCY: Precise and accurate tightening, less fatigued operators • ENVIRONMENT IMPROVEMENTS: by increasing durability of the tools, we reduce waste • QUALITY: Precise, accurate tightening to the manufacturer's recommended torque and angle specifications • MAXIMUM TORQUE: 660 ft./lb.



Training required prior to use.

168-07600

ASCOT NO.	MFG. NO.	DESCRIPTION
168-07600	CP-7600xB	Non-Reversible Single Torque Preset
168-07602	CP-7600xB-R	Reversible Single Torque Preset
168-07603	CP-7600xB-R4P	Reversible 4 Torque Preset Selector

### FRL UNIT FOR BLUE TORK

• INCLUDES: Industrial grade filter; Regulator; Single point lubricator; 25' hose with capillary tube; 1 Quart of special tool oil approved for the Blue Tork



ASCOT NO.	MFG. NO.	DESCRIPTION	117-58625
117-58625	586-254-1000	FRL Unit for Blue Tork	



### PRESET TRUCK CLICKER STYLE TORQUE WRENCH

• Preset at 475 ft./lb. • Designed for fleet applications • Massive 4-1/2' length for high torque applications • Supplied with handy storage bag for sockets and extensions • Both the wrench and the bag have reflective strips for safe highway night use



168-47501

ASCOT NO.	MFG. NO.	DESCRIPTION
168-47501	1-475	1" Drive x 475 ft./lb. Preset Torque Wrench
168-96111	9610-0111RK	1" Torque Wrench Repair Kit



168-12250



### MICRO-ADJUSTABLE TORQUE WRENCH

• Dual scale, calibrated dual direction • Positive lock with spring loaded pull down lock ring • Fast, accurate and easy to set • Easy-to-read Laser marked scale • Ergonomic comfort-grip • Most feature Quick Release buttons which provide good socket retention as well as easy socket removal • RANGE: 50-250 ft./lb. • ACCURACY: ± 4% clockwise ± 6% CCW of indicated value, CW, from 20% to 100% of full scale

ASCOT NO.	MFG. NO.	DESCRIPTION
168-12250	2503MFRRH	1/2" Drive Micro-Adjustable Torque Wrench





## PRESET VALVE NUT TORQUE WRENCHES

- Wrench flexes when proper torque setting is reached
- Prevents overtightening of the valve grommet
- Cushioned handle
- Sizes and preset torque settings laser etched on shaft
- +/- 4% accuracy

ASCOT NO.	MFG. NO.	DESCRIPTION
168-00058	NSPTW58	5/8" Preset Torque Wrench for TR540-550 Series Valve Hex Nuts
168-00916	NSPTW916	9/16" Preset Torque Wrench for TR570 Series Valve Hex Nuts



## FLEX HINGE STYLE TORQUE WRENCH

- Robust construction • ACCURATE RESULTS: +/-4% • Adjustable torque settings • DUAL SCALED: ft./lb. and NM • The large break angle improves accuracy by reducing the possibility of over torquing • Cam control of the mechanism gives a controlled break
- Every wrench supplied with a calibration certificate • Durable storage case

**2 ADAPTERS INCLUDED:**  
3/4" to 1", 3/4" to 3/4"



ASCOT NO.	MFG. NO.	DESCRIPTION
168-60011	60011	600 ft./lb. Flex Hinge Style Torque
168-60020	12299	1" Square Drive for Flex Hinge Torque Wrench
168-60025	12297	3/4" Square Drive for Flex Hinge Torque Wrench
169-02013	2013E	3/4" Drive x 13" Impact Extension
169-03013	3013E	1" Drive x 13" Impact Extension
169-13413	13413E	3/4" Drive x 1" Drive x 13" Impact Extension

## TORQIT BATTERY-POWERED TORQUE WRENCH

- Durable and Portable Precision Torque • Four models from 120 ft./lb. to 3,000 ft./lb. • LITHIUM ION 8.0 AH RECHARGEABLE BATTERY: Full charge in under 60 minutes • Every Unit Calibrated In ISO17025 Laboratory
- 13-Month Warranty from date of purchase • MADE IN THE USA



DURABLE AND PORTABLE

ASCOT NO.	MFG. NO.	DESCRIPTION
168-67510	67510	TorqIt Battery-Powered Torque Wrench

## TORQUE FIN TORQUE WRENCH STABILIZER

- Links with, stabilizes, and properly aligns manual torque wrenches to ensure accurate torque • Saves time and money • Easy to use • Reduces risk of injury and liability due to wheel-off accidents • Works with most commercial torque wrenches and truck tires • Durable and lightweight



DURABLE AND LIGHT IN WEIGHT

ASCOT NO.	MFG. NO.	DESCRIPTION
168-67250	67250	Torque Fin Torque Wrench Stabilizer





## Torque Wrenches & Accessories (cont.)

### INDUSTRIAL TORQUE WRENCH

• Norbar's New Industrial Torque Wrench • SPLIT DESIGN: Allows for easy, behind-the-seat storage in service vehicles • SMALLER CARRYING CASE: Easy to transport, and less expensive to ship back-and-forth for calibration and service • Removal of calibrated nuts means less expensive to calibrate • Adjusting scale in the handle is large and easy to read • Calibration is as easy as replacing the paper scale with a new paper scale • Ratchets are no longer a welded component, making them replaceable when worn or damaged - this means fewer wrenches scrapped • Operator handle designed to 'guide' the technicians hand into the proper position



Norbar's Industrial Torque Wrench in use.



168-42760

ASCOT NO.	MFG. NO.	DESCRIPTION
168-42760	120110	4AR-N, 3/4" Drive, 150-600 ft./lb. Range
168-42761	120110.01	4AR-N, 1" Drive, 150-600 ft./lb. Range
168-57600	120115	5R-N, 3/4" Drive, 200-750 ft./lb. Range
168-57601	120115.01	5R-N, 1" Drive, 200-750 ft./lb. Range

### PNEUMATIC TORQUE MULTIPLIER

• OPERATING RANGE: 147 to 738 ft./lb. (200 to 1000 Nm) • 'Soft Start' trigger control aids socket location, and allows gradual and safe reaction location • Extended reaction is ideal for reaching recessed nuts • FAST: 1000 Nm version has a free speed of 140 rpm for rapid bolt run-down • For safety, gearbox can rotate independently from the handle so that reaction forces are not transmitted back to the operator • Light weight for ease of handling • NON IMPACTING: Low vibration levels make these tools comfortable and safe to use • On Bi-Directional tools, the direction control knob is locked while the tool is running to prevent accidental damage to the gearbox • QUIET: Less than 85 dB(A) when under load • Square drive is quickly and easily replaceable



168-18141

ASCOT NO.	MFG. NO.	DESCRIPTION
168-18141	PTME-72-2000-B	1" Square Drive Bi-Directional Pneumatic Multiplier

### NORBAR TRUCHECK2

• Allows torque tool performance to be monitored and tools kept in peak condition

• Limited settable options, Ideal for non-expert users with click type torque wrenches

• Inbuilt Micro USB 2.0 port enables power from any USB power source

• Software can be updated remotely, without the need to return the product to Norbar

• Supplied with traceable calibration certificate in clockwise direction. A counter-clockwise calibration is available at additional cost

168-43528



ASCOT NO.	MFG. NO.	DESCRIPTION
168-43528	43528	Norbar TRUCHECK2 Torque Wrench Checker



## MICROMETER TORQUE WRENCHES

- **EXTREMELY ACCURATE:** Within 3% of reading from 20% of full scale to full scale clockwise and counter-clockwise
- **EXCLUSIVE PATENTED CALIBRATION MECHANISM:** This patented mechanism allows for calibration in both the clockwise and counter-clockwise directions, plus with regard to spring rate, without the disassembly of the wrench. This protects against contamination of the working mechanism, and make calibration quick and easy
- **EXCLUSIVE PATENTED ROLLER-RELEASE:** This patented feature removes over 95% of the friction inherent in other click wrenches thereby extending life and providing for more reliable operation. • ALL "M" SERIES MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF: ANSI / ASME B107.14M, GGG-W-00686C, BS6073: 1988, ISO6789

ASCOT NO.	MFG. NO.	DESCRIPTION
168-01200	M1R200H	1/4" Drive
168-02101	M2R100F	3/8" Drive
168-03252	M3R250F	1/2" Drive

## SPLIT-BEAM CLICK TORQUE WRENCHES

- **EXTREMELY ACCURATE:** within 4% of reading from 20% of full scale to full scale
- Setting torque on adjustable wrenches is fast and easy because there is no spring tension on the adjustment knob
- Torque setting locks on adjustable wrenches for repetitive applications
- Wrench length designed to provide the leverage required for maximum torque applications. Also provides the needed reach for those hard to get at places

ASCOT NO.	MFG. NO.	DESCRIPTION	FT./LB.
168-02100	C2FR100F	3/8" Drive	100
168-03250	C3FR250F	1/2" Drive	250
168-03251	CP3FR250F	1/2" Preset	250
168-04400	C4D600F	3/4" Drive	600
168-05600	C5D600F	1" Drive	600



## MICROMETER TORQUE WRENCH

- Range is 25 to 250 ft./lb. • **HEAVY DUTY RATCHET:** Fewer and stronger teeth
- **UNIDIRECTIONAL TORQUEING:** Tightens in right hand direction only, does not tighten in left hand direction for improved performance
- **ERGONOMICALLY DESIGNED HANDLE MADE FROM MODIFIED SILICONE:** Tear resistant, oil and solvent resistant
- Protective head cover made from modified silicone • Comes in plastic storage case • **MADE IN USA**

ASCOT NO.	MFG. NO.	DESCRIPTION
168-97354	97354A	Micrometer Torque Wrench: 25-250 ft./lb.

## MICROMETER TORQUE WRENCHES

- Push-through ratchet instead of a reversible ratchet
- Asymmetric design of clicker and ratchet mechanism creates a more robust construction and durable wrench
- Improved lock collar design is easier to grip
- **ACCURACY:** +/- 4% in both directions and improves impact resistance • **MADE IN USA**

ASCOT NO.	MFG. NO.	RANGE (INCREMENT)	DRIVE
495-97353	CEN97353A	30-250 ft./lb.	1/2" push-through drive
495-97355	CEN97355A	100-600 ft./lb.	3/4" push-through drive
495-97362	CEN97362	30-150 ft./lb.	1/2" flex head push-through drive
495-97352	CEN97352A	20-100 ft./lb.	3/8" flex head push-through drive
495-97351	CEN97351A	20-250 in./lb.	3/8" push-through drive
495-97361	CEN97361B	20-200 in./lb.	1/4" push-through drive



168-03252



168-03250



168-97354



495-97353



## WHAT IS TORQUE?

*Torque is the measurement of twisting force that is applied to a lug nut to create bolt tension.*

## WHAT IS CLAMPING FORCE?

*Clamping force is the result of bolt tension and it is the physical property that holds the wheels on the vehicle.*

## DOES THE CORRECT TORQUE GUARANTEE THE CORRECT CLAMPING FORCE?

*No. Clamping force cannot be measured in the field, so technicians must use the correct torque to approximate the amount of clamping force.*

Since there are a number of factors that determine how much clamping force is generated per foot pound of torque, technicians should always **follow the RIST procedure** developed by the Tire Industry Association (TIA).



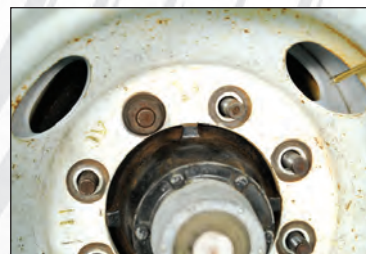
**R** stands for **remove** debris from mating surfaces



**I** stands for **inspect** all of the components



**S** stands for **snug** the lug nuts in a star pattern



**T** stands for **torque** the fasteners to specification



### TORQUE SPECIFICATIONS

**Hub-Pilot Wheel: 450-500 ft/lbs. oiled | Stud-Pilot Wheel: 450-500 ft/lbs. dry | Demountable Rim: 200-260 ft/lbs. dry**

TIA is the industry leader in commercial truck tire and wheel service education. Since Occupational Safety and Health Administration (OSHA) Regulation 29 CFR 1910.177 requires training for all employees that service truck tires, fleets must make sure that every technician who installs, removes or handles truck tires in any way has compliant training. TIA developed the Fleet Tire Service OSHA Compliance Program so the trucking industry could provide in-house technician training that exceeds the minimum requirements established by 29 CFR 1910.177.

For more information on TIA training or the RIST procedure, visit TIA's website: <http://www.tireindustry.org/training.asp> or call 800-876-8376, ext. 106.







# Loose Nut Prevention

## CHECKPOINT LOOSE LUG NUT INDICATORS\*

- A simple and cost-effective solution that helps prevent a catastrophic loss caused by loose lug nuts when used as part of a total torque program
- When fitted on properly torqued lug nuts and inspected by a driver or technician, CHECKPOINT clearly and visually indicates if the wheel nuts have moved
- If the arrows have moved from the point-to-point or daisy-chain pattern, this indicates that they have loosened and need attention
- Facilitates the driver's check for lug nut movement
- Early warning for mechanic or driver of excessive heat caused by possible brake or bearing problems; designed to melt in excessive heat
- Demonstrates fleet's commitment to vehicle road worthiness and safety to the public

SIMPLE & EASY TO USE

2X THE TEETH



The CHECKPOINT Loose Lug Nut Indicators in use.

ASCOT NO.	MFG. NO.	DESCRIPTION
<b>CHECKPOINT</b>		
402-20017	CPY17MM	CHECKPOINT 17mm Fluorescent Yellow Loose Lug Nut Indicator
402-20018	CPY18MM	CHECKPOINT 18mm Fluorescent Yellow Loose Lug Nut Indicator
402-20019	CPY19MM	CHECKPOINT 19mm Fluorescent Yellow Loose Lug Nut Indicator
402-20020	CPY20MM	CHECKPOINT 20mm Fluorescent Yellow Loose Lug Nut Indicator
402-20021	CPY21MM	CHECKPOINT 21mm Fluorescent Yellow Loose Lug Nut Indicator
402-20078	CPY22MM	CHECKPOINT 22mm (7/8") Fluorescent Yellow Loose Lug Nut Indicator
402-20023	CPY23MM	CHECKPOINT 23mm Fluorescent Yellow Loose Lug Nut Indicator
402-20024	CPY24MM	CHECKPOINT 24mm Fluorescent Yellow Loose Lug Nut Indicator
402-20001	CPY25MM	CHECKPOINT 25mm (1") Fluorescent Yellow Loose Lug Nut Indicator
402-20026	CPY26MM	CHECKPOINT 26mm Fluorescent Yellow Loose Lug Nut Indicator
402-20027	CPY27MM	CHECKPOINT 27mm Fluorescent Yellow Loose Lug Nut Indicator
402-20028	CPY28MM	CHECKPOINT 28mm Fluorescent Yellow Loose Lug Nut Indicator
402-20029	CPY29MM	CHECKPOINT 29mm Fluorescent Yellow Loose Lug Nut Indicator
402-20030	CPY30MM	CHECKPOINT 30mm Fluorescent Yellow Loose Lug Nut Indicator
402-20114	CPY31MM	CHECKPOINT 31mm (1-1/4") Fluorescent Yellow Loose Lug Nut Indicator
402-20032	CPY32MM	CHECKPOINT 32mm Fluorescent Yellow Loose Lug Nut Indicator
402-20033	CPY33MM	CHECKPOINT 33mm Fluorescent Yellow Loose Lug Nut Indicator
402-20034	CPY34MM	CHECKPOINT 34mm Fluorescent Yellow Loose Lug Nut Indicator
402-20035	CPY35MM	CHECKPOINT 35mm Fluorescent Yellow Loose Lug Nut Indicator
402-20036	CPY36MM	CHECKPOINT 36mm Fluorescent Yellow Loose Lug Nut Indicator
402-20015	CPY38MM	CHECKPOINT 38mm (1-1/2") Fluorescent Yellow Loose Lug Nut Indicator
402-20040	CPY40MM	CHECKPOINT 40mm Fluorescent Yellow Loose Lug Nut Indicator
402-20041	CPY41MM	CHECKPOINT 41mm Fluorescent Yellow Loose Lug Nut Indicator
402-20044	CPY44MM	CHECKPOINT 44mm Fluorescent Yellow Loose Lug Nut Indicator
402-20046	CPY46MM	CHECKPOINT 46mm Fluorescent Yellow Loose Lug Nut Indicator

\*The use of CHECKPOINT Loose Lug Nut Indicators does not guarantee wheel-offs will not occur.

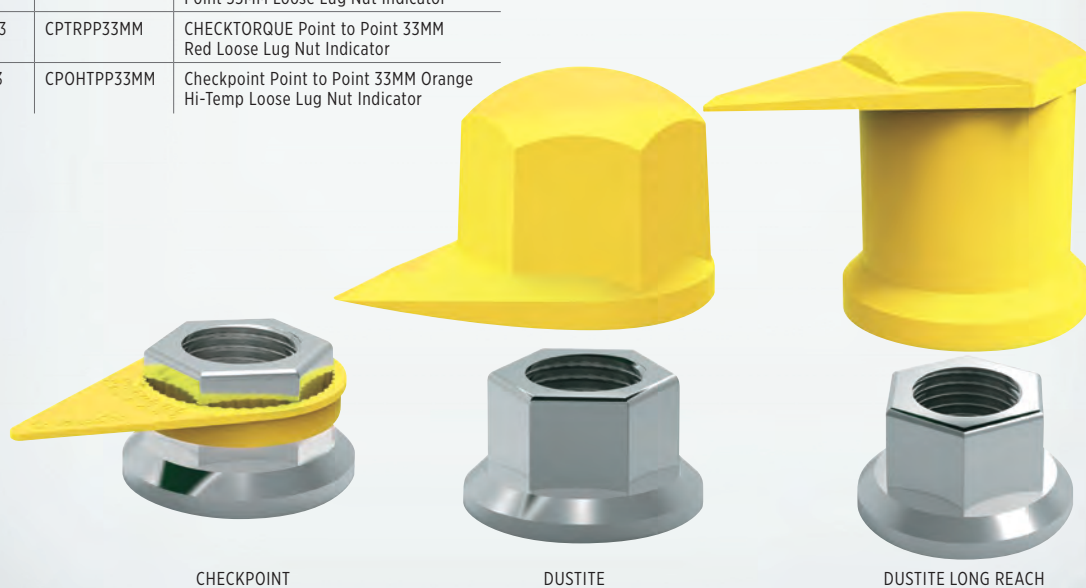
WHEEL SERVICE PRODUCTS

## Loose Nut Prevention (cont.)



ASCOT NO.	MFG. NO.	DESCRIPTION
<b>CHECKPOINT HI-TEMP</b>		
402-21019	CPOHY19MM	CHECKPOINT 19mm Orange Hi-Temp Loose Lug Nut Indicator
402-21021	CPOHY21MM	CHECKPOINT 21mm Orange Hi-Temp Loose Lug Nut Indicator
402-21022	CPOHY22MM	CHECKPOINT 22mm Orange Hi-Temp Loose Lug Nut Indicator
402-21030	CPOHY30MM	CHECKPOINT 30mm Orange Hi-Temp Loose Lug Nut Indicator
402-21031	CPOHY31MM	CHECKPOINT 31mm Orange Hi-Temp Loose Lug Nut Indicator
402-21032	CPOHY32MM	CHECKPOINT 32mm Orange Hi-Temp Loose Lug Nut Indicator
402-21033	CPOHY33MM	CHECKPOINT 33mm Orange Hi-Temp Loose Lug Nut Indicator
402-21036	CPOHY36MM	CHECKPOINT 36mm Orange Hi-Temp Loose Lug Nut Indicator
402-21038	CPOHY38MM	CHECKPOINT 38mm Orange Hi-Temp Loose Lug Nut Indicator
402-21040	CPOHY40MM	CHECKPOINT 40mm Orange Hi-Temp Loose Lug Nut Indicator
402-21041	CPOHY41MM	CHECKPOINT 41mm Orange Hi-Temp Loose Lug Nut Indicator
402-21044	CPOHY44MM	CHECKPOINT 44mm Orange Hi-Temp Loose Lug Nut Indicator
402-21046	CPOHY46MM	CHECKPOINT 46mm Orange Hi-Temp Loose Lug Nut Indicator
<b>POINT TO POINT</b>		
402-20133	CPCYPP33MM	CHECKPOINT Caution Yellow Point to Point 33MM Loose Lug Nut Indicator
402-20333	CPTRPP33MM	CHECKTORQUE Point to Point 33MM Red Loose Lug Nut Indicator
402-23133	CPOHTPP33MM	Checkpoint Point to Point 33MM Orange Hi-Temp Loose Lug Nut Indicator

ASCOT NO.	MFG. NO.	DESCRIPTION
<b>DUSTITE</b>		
402-24027	CPDTY27MM	Dustite Yellow 27mm Loose Lug Nut Indicator
402-24028	CPDTY28MM	Dustite Yellow 28mm Loose Lug Nut Indicator
402-24030	CPDTY30MM	Dustite Yellow 30mm Loose Lug Nut Indicator
402-24032	CPDTY32MM	Dustite Yellow 32mm Loose Lug Nut Indicator
402-24033	CPDTY33MM	Dustite Yellow 33mm Loose Lug Nut Indicator
402-24038	CPDTY38MM	Dustite Yellow 38mm Loose Lug Nut Indicator
402-24133	CPDTSG33MM	Dustite Silver Gray 33mm Loose Lug Nut Indicator
<b>DUSTITE LONG REACH</b>		
402-25032	CPDRLRY32MM	Dustite Long Reach Yellow 32mm Loose Lug Nut Indicator
402-25033	CPDRLRY33MM	Dustite Long Reach Yellow 33mm Loose Lug Nut Indicator
402-25133	CPDRLRSG33MM	Dustite Long Reach Silver Gray 33mm Loose Lug Nut Indicator
402-25021	CPDRLRY21MM	Dustite Long Reach Yellow 21mm Loose Lug Nut Indicator
402-25022	CPDRLRY22MM	Dustite Long Reach Yellow 22mm Loose Lug Nut Indicator



CHECKPOINT

DUSTITE

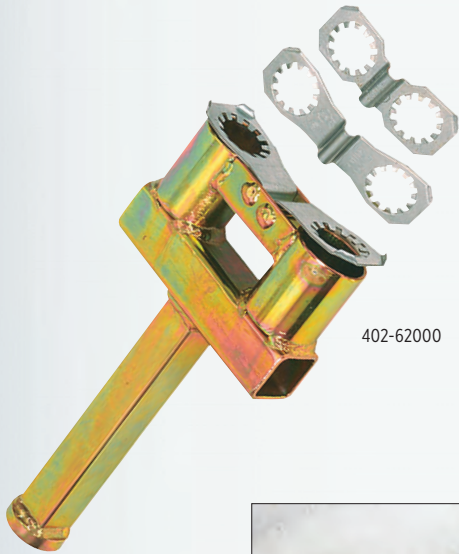
DUSTITE LONG REACH

\*The use of CHECKPOINT Loose Lug Nut Indicators does not guarantee wheel-offs will not occur.



## ROLLOCK - LOOSE NUT PREVENTION

- Cost effective way to prevent wheel nuts from loosening
- Galvanized steel product locks wheel nuts in place • APPLICATION: ROLLOCK is for use on 19.5 & 22.5 Hub-Piloted Wheels (8 or 10 hole) • ROLLOCK IS EASY TO REMOVE: Unscrew the Wheel Nut in normal manner and the ROLLOCK clamp will easily come off



402-62000



LOCKS  
WHEEL NUTS  
IN PLACE

COST  
EFFECTIVE

The Rollock is a cost effective way to prevent nuts from loosening.

## LUG LOCK WHEEL NUT RETAINERS

- Use the resistance between two nuts to minimize their ability to rotate and loosen • Flexible and easy to install, fits over two adjacent nuts • Field tested at high and low rotation levels • Lab tested in severe vibration conditions
- APPLICATION: Designed to be used on wheels with 33mm nuts on 3.5" stud centers • Compatible with a complete wheel mounting safety program • Other sizes and colors available



402-62600



Other sizes and colors available.

FLEXIBLE  
& EASY TO  
INSTALL

FIELD  
TESTED



The Lug Lock Wheel Nut Retainers in use.

ASCOT NO.	MFG. NO.	DESCRIPTION
402-62000	62000	Rollock, 4-1/8" Spacing, 30-33mm Nut
402-62500	62500	Rollock, 3-1/2" Spacing, 30-33mm Nut

ASCOT NO.	MFG. NO.	DESCRIPTION
402-62600	62600	3 1/2" Spacing, 350 degrees





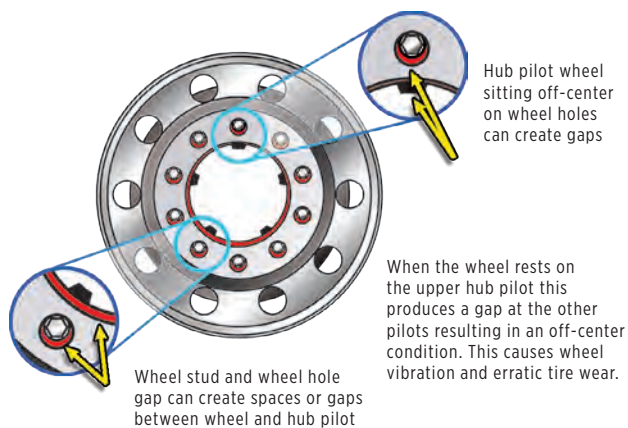
# Wheel Centering Products

## WHEEL CENTERING PRODUCTS FOR HUB PILOTED WHEELS

- 1 Increases fuel mileage
- 2 Increases tire life
- 3 Decreases tire vibration
- 4 Cuts rebalancing costs
- 5 Reduces "wheel-off" condition
- 6 Reduces tire cupping

Wheel Vibrations? Wheel Hop? Brake Pedal Pulsations? Erratic Tire Wear? Excessive Fuel Consumption?

If you are experiencing these problems, it may be because your wheels aren't centered on the hub. And if your wheels aren't centered, you will continue to experience these problems. With Specialty Products' Wheel Centering Products, you can re-center your wheel, and eliminate all of these problems.



### How it works

If your hub piloted wheel is sitting on the hub stud off-center (as shown in the illustration to the left) you need these parts and tools to avoid wheel hop and excess tire wear, and to increase your fuel mileage. The theory behind the hub pilot is it centers the wheel. The fact is gravity causes the weight of the wheel to rest only on the upper pilots creating a gap in the bottom pilots. Even the smallest gap results in an egg shaped motion upon rotation. This uneven motion creates rolling resistance which causes tire vibration, increased fuel consumption and erratic tire wear. The bottom line is, you can't balance an egg.

### "EZ ON" WHEEL CENTERING TOOL SET

Simply slide the 3 centering tapered tools over the wheel studs at the 12, 8, and 4 o'clock positions; mount wheel and add lugnuts; remove the tools and replace remaining lugnuts, torquing to manufacturer specifications. The wheel is now completely centered. Problem Solved!



- Threadless Design
- Saves Installation Time
- Tapered Nose • Eases Wheel Mounting • Single Set
- APPLICATION: For Steer, Drive & Trailer Axles



Our new threadless design allows the installer to quickly and easily center the wheels to the hub. And our tapered design makes it easy to mount the wheel over the hub.

ASCOT NO.	MFG. NO.	DESCRIPTION
491-32111	32111	"EZ On" Wheel Centering Tool Set

### "EZ ON" WHEEL & BRAKE DRUM CENTERING SLEEVES

- These sets center both steer axle HD wheels and brake drums to minimize wheel vibrations, brake pedal pulsations and wheel hop
- APPLICATION: For both Aluminum and Steel steer wheels and a variety of brake drum types



ASCOT NO.	MFG. NO.	DESCRIPTION
491-32120	32120	Aluminum 1.25" hole/.5" depth
491-32121	32121	Aluminium 1.25" hole/.25" to .3125" depth
491-32124	32124	Steel 1.25" hole/.5" depth

## O-LINE-ER WHEEL STUD ALIGNMENT TOOL

- Makes it easy to line up wheel studs with holes in rim for easy installation
- Decreased installation time
- Increase worker productivity
- Reduce risk of injury from struggling with heavy tires and rims



ASCOT NO.	MFG. NO.	DESCRIPTION
491-00101	GTO-01TB	O-Line-Er Wheel Stud Alignment Tool

491-00101



The O-Line-Er Wheel Stud Alignment Tool makes it easy to line up wheel studs with holes in rim for easy installation.

## “SOLUTION A” WHEEL CENTERING PIN SETS

- Reusable Shop Tool • Hardened Steel
- Threaded Inside for Easy Removal
- Sold in sets of 3 with storage case

ASCOT NO.	MFG. NO.	DESCRIPTION
491-02666	A-2666	Steer & Drive axles, 5" length, Steel & Aluminum wheels, will center 1" brake drums
491-01573	A-1573	Steer & Drive axles and some trailers, 4" length, Steel & Aluminum Wheels
491-01339	A-1339	Steer axles, 3" length, Steel & Aluminum wheels



491-02666



491-01573



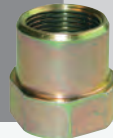
491-01339

## “SOLUTION B” INTERNAL CENTERING SLEEVES

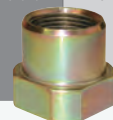
- Threaded Inside for best positioning and retention
- Stays on wheels
- Zinc plated to resist corrosion
- All brake drum numbers are subject to change without warning due to manufacturer changes beyond our control
- Sold in sets of 6 per axle



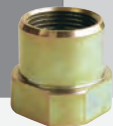
ASCOT NO.	MFG. NO.	DESCRIPTION	GUNITE #		
491-01504	B-1504-GA	1.25" Diameter Hole, 1/2" Hole Depth	3573X	3687X	3758X
			3596X	3710X	3774X
			3597X	3786X	3800X
			3598X	3721AX	
			3686X	3726X	



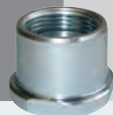
ASCOT NO.	MFG. NO.	DESCRIPTION	CONMET #	
491-01825	B-1825-CON-A	1.34-1.37" diameter hole, 1/2" hole depth	107507	1001783
			10005331	10033071
			10005332	10037815
			10009920	



ASCOT NO.	MFG. NO.	DESCRIPTION	CONMET #		WEBB #	
491-01860	B-1860-CON-A	1.28" Diameter Hole, 1/2" Hole Depth	107164	10001780	65161B	65548B
			107193	10001781	65167B	65554B
			107453	10001783	61528B	65710B
			107862		65547B	



ASCOT NO.	MFG. NO.	DESCRIPTION	GUNITE #	MOTOR WHEEL CENTRIFUSE #	ARVIN MERITOR #
491-01594	B-1594-CA	1.25" Diameter Hole, 1/4" Hole Depth	9001X	90089BK	53-123512-002
			9000X	89870BK	53-123542-002
			9035X	90174BK	53-123627-002
				91265B	53-123-589-002
				90600B	53-123-608-002
			90137B		







# Lug Nut Removal Products

## 3-PIECE TWIST SOCKET LUG NUT REMOVAL SYSTEM

- Removal of damaged 3/4" and 19mm, 13/16" and 21mm lug nuts • Two dual-sided twist sockets have a fluted design which gives the sockets a tight grip to remove the most difficult locking and damaged lug nuts from the socket
- Works with 1/2" impact gun or breaker bar for service calls • Includes an extractor punch



ASCOT NO.	MFG. NO.	DESCRIPTION
492-04200	4200A	Dual Sided Twist Socket Lug Nut Remover
492-04300	4300	3-Piece Twist Socket Lug Nut Removal System

## 5-PIECE 1/2" DRIVE TWIST SOCKET SET

- Designed to easily remove damaged, rounded nuts
- Use with 1/2" drive impact wrench or breaker bar
- CR-MO steel for long life
- Heavy duty blow molded case
- INCLUDES: 17mm, 19mm, 21mm & 22mm twist sockets plus a 50mm extractor punch



ASCOT NO.	MFG. NO.	DESCRIPTION
492-00502	TSS5	5-Piece 1/2" Drive Twist Socket Set

ASCOT NO.	MFG. NO.	DESCRIPTION
REPLACEMENT SOCKETS FOR TSS5 SET		
492-05021	TSS5-1	17mm Replacement Twist Socket
492-05022	TSS5-2	19mm Replacement Twist Socket
492-05023	TSS5-3	21mm Replacement Twist Socket
492-05024	TSS5-4	22mm Replacement Twist Socket
492-05025	TSS5-5	Twist Socket Set Extractor Punch

## 1/2" DR. 4-PIECE FLANK BITE DAMAGED NUT REMOVER SOCKET SET

- INCLUDES THE FOLLOWING SIZES: 17mm, 19mm, 21mm, 22mm



ASCOT NO.	MFG. NO.	DESCRIPTION
163-22219	122019K2	1/2" DR 4-Piece Flank Bite Damaged Nut Remover Socket Set

## 1/2" DRIVE DUAL-SIDED SOCKET LUG NUT REMOVER TOOL

- Dual flip 1/2" drive impact design • Removes missing and distorted lug nuts with chrome caps



ASCOT NO.	MFG. NO.	DESCRIPTION
492-01240	LT 1240	Chrysler/Dodge 21mm chrome cap lug nuts (21/21.5mm)
492-01250	LT 1250	GM & Chrysler 19mm chrome caps (18.5/19.5mm)
492-01260	LT 1260	Chrysler/Dodge 22mm chrome cap lug nuts (22/22.5mm)

## TWIST SOCKET REMOVAL KIT

- This kit easily removes damaged nuts, studs, pipe nipples and bolts • Comes mounted on a 1/2" rail, individually packaged



ASCOT NO.	MFG. NO.	DESCRIPTION
492-04400	LT 4400	1/2" Drive 6-Piece Twist Socket Removal Kit

## 5-PIECE LOCKING LUG NUT TWIST SOCKET REMOVAL KIT

- Removes locked or damaged lug nuts without a key • Now in 4 sizes for maximum coverage
- Lug nuts are usually reusable • Works with a breaker bar or other related tool • Comes mounted on a 1/2" rail, individually packaged



ASCOT NO.	MFG. NO.	DESCRIPTION
492-04240	LT 4240	5-Piece Locking Lug Nut Twist Socket Removal Kit





## NUT BUDDY LUG NUT REMOVER

- Loosens the most stubborn wheel nuts • APPLICATION: Use on commercial or agricultural wheels • GEAR RATIO: 58:1 • RATED OUTPUT TORQUE: 2950 ft./lbs. • TWO SOCKETS INCLUDED: 1-1/2" (38mm) and 1-5/16" (33mm)

LOOSENS STUBBORN NUTS



404-67300

ASCOT NO.	MFG. NO.	DESCRIPTION
404-67300	67300	Nut Buddy Lug Nut Remover

## 9-PIECE SAVE-A-STUD RETHREAD KIT

- Repairs damaged wheel studs
- 9-Piece Rethread Kit • For passenger, light truck, and heavy duty • Guaranteed for life
- Individual dies available

LIFETIME GUARANTEE



493-31210

### KIT CONTENTS

SAE: 7/16"-20, 1/2"-20, 9/16"-18, 5/8"-18
METRIC: 12mm-1.25, 12mm-1.50, 12mm-1.75, 14mm-1.50, 14mm-2.00

ASCOT NO.	MFG. NO.	DESCRIPTION
493-31210	31210	9-Piece Save-A-Stud Rethread Kit



## 8-PIECE LUG NUT & WHEEL STUD CHECKER SET

Wheel stud thread size gauge includes both male and female threads for checking lug nuts, wheel locks and wheel studs • Size permanently stamped onto each gauge • Color coded for easy identification



493-00801

**INCLUDES:** Purple (M12x1.25), Orange (M12x1.50), Pink (M12x1.75), Black (M14x1.50), Silver (M14x2), Red (9/16x18), Green (7/16x20) & Blue (1/2x20)

ASCOT NO.	MFG. NO.	DESCRIPTION
493-00801	8TGCS	8-Piece Lug Nut & Wheel Stud Thread Checker Set

## SAVE-A-STUD RETHREAD KIT - AUTOMOTIVE

- Damaged studs can be renewed in minutes without removing the caliper, rotor, or stud • A 30-second solution to an hour-long job • Solves the problem of removing and replacing damaged wheel studs • **Lifetime warranty**
- Individual sizes also available



ASCOT NO.	MFG. NO.	DESCRIPTION
493-30100	30100	<b>Save-A-Stud Rethread Kit</b> - INCLUDES: 7/16", 1/2", 9/16", 5/8", 12mm - 1.25", 12mm - 1.5", 14mm - 1.5"

## SAVE-A-STUD RETHREAD KIT - TRUCK

- Repairs wheel studs, spindles and standard threaded studs • **Lifetime warranty**



493-30125



ASCOT NO.	MFG. NO.	DESCRIPTION
493-30120	30120	<b>Save-A-Stud Plus Rethread Kit (9 pcs.)</b> - INCLUDES: 9/16" - 18, 5/8" - 18, 14mm - 1.5, 14mm - 2.0, 7/16" x 20, 1/2" - 20 Right, 12mm - 1.25, 12mm - 1.5, 12mm - 1.75
493-30125	30125	<b>Save-A-Stud Plus HD (3 pcs.)</b> - INCLUDES: 3/4" - 16" Right, 3/4" - 16" Left, 22 - 1.5mm



⚠️ WARNING: For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Lug Nut Removal Products (cont.)

### 16-PIECE LOCKING LUG KEY SET

- Heat treated chrome vanadium steel construction
- Thin wall sockets prevent damage to wheels
- Double hex head design fits most lug wrenches
- Easily removes locking lug nuts
- Extra long lug keys keep your wrench away from the wheel preventing nicks and scratches
- Packed in blow molded case with color sleeve



#### KIT CONTENTS

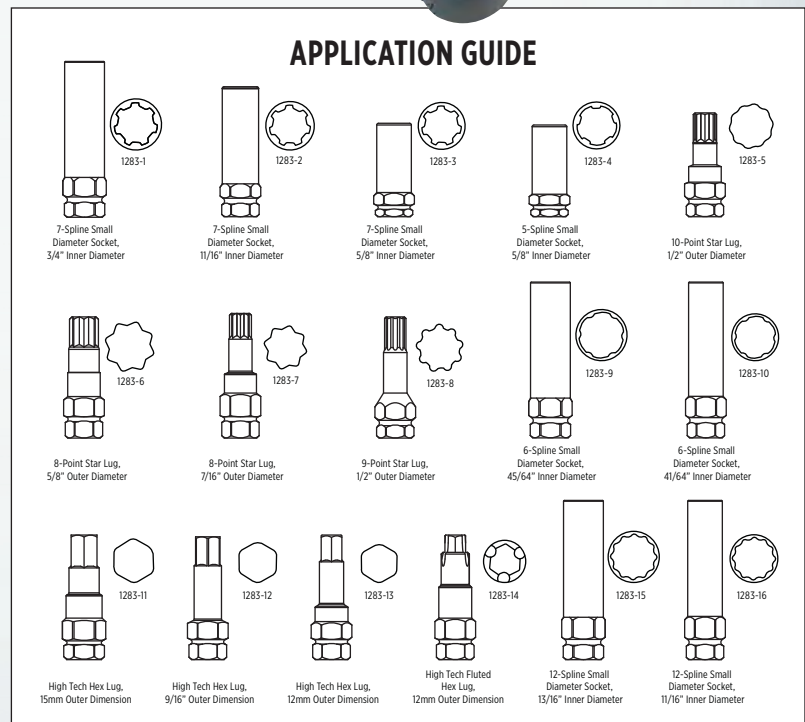
HEX: 11mm, 12mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm

SOCKETS INCLUDED: (2) 5/8", 41/64", 45/64", (2) 15/32", 19/32", (2) 11/16", 3/4", 7/16", 5/8", (2) 1/2", 13/16", 9/16"

402-01283

ASCOT NO.	MFG. NO.	DESCRIPTION
402-01283	CHT1283	16-Piece Locking Lug Key Set
402-28301	1283-1	7-Spline Small Diameter Lug Nut Socket - 3/4" Inner Diameter
402-28302	1283-2	7-Spline Small Diameter Lug Nut Socket - 11/16" Inner Diameter
402-28303	1283-3	7-Spline Small Diameter Lug Nut Socket - 5/8" Inner Diameter
402-28304	1283-4	5-Spline Small Diameter Lug Nut Socket - 5/8" Inner Diameter
402-28305	1283-5	10-Point Star Lug Nut Key - 1/2" Tip Outer Diameter
402-28306	1283-6	8-Point Star Lug Nut Key - 5/8" Tip Outer Diameter
402-28307	1283-7	8-Point Star Lug Nut Key - 7/16" Tip Outer Diameter
402-28308	1283-8	8-Point Star Lug Nut Key - 1/2" Tip Outer Diameter
402-28309	1283-9	6-Spline Small Diameter Lug Nut Socket - 45/64" Inner Diameter
402-28310	1283-10	6-Spline Small Diameter Lug Nut Socket - 41/64" Inner Diameter
402-28311	1283-11	High Tech Hex Lug Nut Key - 15mm Hex Size
402-28312	1283-12	High Tech Hex Lug Nut Key - 9/16" Hex Size
402-28313	1283-13	High Tech Hex Lug Nut Key - 12mm Hex Size
402-28314	1283-14	High Tech Fluted Hex Lug Nut Key - 12mm Hex Size
402-28315	1283-15	12-Spline Small Diameter Lug Nut Socket - 13/16" Inner Diameter
402-28316	1283-16	12-Spline Small Diameter Lug Nut Socket - 11/16" Inner Diameter

#### APPLICATION GUIDE







### 4-PIECE LUG NUT REMOVER IMPACT SOCKET SET

• APPLICATION: Use for removing wheel locks or damaged lug nuts • Patented, internal tapered reverse threads lock onto damaged nut and easily pulls off using impact wrench • Convenient compact storage case • INCLUDES THE FOLLOWING 1/2" DRIVE SIZES: 3/4", 13/16", 1", 1-1/8" • MADE IN USA



492-30254



### 4-PIECE HEAVY DUTY WHEEL STUD REMOVER SET

• APPLICATION: Removes damaged wheel studs and inner Budd nuts • Patented, internal tapered reverse threads lock onto damaged stud or nut and easily pulls off using impact wrench • Wheel Stud Removers are 3/4" hex drive • Budd Nut Removers are 1-1/8" hex drive • Convenient compact storage case, 6.5" x 4.5" x 2.75"; 3.5 lbs • SET INCLUDES THE FOLLOWING SIZES: 5/8", 3/4", 1-1/8" Budd wheel inner nut left hand thread, 1-1/8" Budd wheel inner nut right hand thread • MADE IN USA



492-30649



ASCOT NO.	MFG. NO.	DESCRIPTION
492-30254	30254	4-Piece Lug Nut Remover Impact Socket Set INCLUDES: 3/4", 13/16", 1", 1-1/8" (1/2" Drive)

ASCOT NO.	MFG. NO.	DESCRIPTION
492-30649	30649	4-Piece Heavy Duty Wheel Stud Remover Set INCLUDES: 5/8", 3/4", 1-1/8" Budd left hand, 1-1/8" Budd right hand



## Lug Nut Removal Products (cont.)

### 1/2" DRIVE 9-PIECE WHEEL LOCK REMOVAL KIT

- APPLICATION: For Ford, Chrysler & GM Vehicles as well as standard and oversized OEM and aftermarket wheel locks for other domestic and imported cars and light trucks



401-02840

### 1/2" DRIVE 13-PIECE WHEEL LOCK REMOVAL KIT

- APPLICATION: For Ford, Chrysler & GM Vehicles as well as standard and oversized OEM and aftermarket wheel locks for other domestic and imported cars and light trucks



401-02841

WHEEL SERVICE PRODUCTS

ASCOT NO. MFG. NO. DESCRIPTION

**KIT CONTENTS**

401-02840	2840	9-Piece Wheel Lock Remover Kit
401-28401	28401	Individual Wheel Lock Remover for Ford and Chrysler Hubcap Locks
401-28402	28402	Individual Wheel Lock Remover for Ford Wheel Locks and 18mm GM Lug Nuts
401-28403	28403	Individual Wheel Lock Remover for Corvette, GM, N & F Body Wheel Locks
401-28404	28404	Individual Wheel Lock Remover for Oversize McGard Wheel Locks
401-28405	28405	Individual Wheel Lock Remover for McGard Wheel Locks & GM Hubcap Locks
401-28406	28406	Individual Wheel Lock Remover Extractor Punch
401-28407	28407	Individual Wheel Lock Remover for Chrysler Hubcap Locks
401-28408	28408	Individual Wheel Lock Remover for GM Hubcap Locks
401-28409	28409	Individual Wheel Lock Remover for GM Spline Hubcap Locks

ASCOT NO.	MFG. NO.	DESCRIPTION
401-02840	2840	Deluxe Hubcap Wheel Lock Removal System

**KIT CONTENTS**

Ford, Chrysler & Large GM Lock Remover	Oversized McGard Wheel Lock Adapter Punch
GM Spline Hublock Adapter	Late Model Chrysler Lock Adapter
Standard GM Hubcap Locks	1/2" Dr. 18mm Nut/Corvette GM Lock Remover
Stripped 18mm/GM Wheel Cover Adapter	3/4", 19mm, OS Wheel Lock Remover
Corvette-GM N& F Body Adapter	7/8" OS Wheel Lock Remover
Standard Ford & GM/ Large Wheel Adapter	1/2" x 3" Impact Extension

ASCOT NO.	MFG. NO.	DESCRIPTION
401-02841	12840-13	1/2" Drive 13-Piece Wheel Lock Removal Kit



### COMMERCIAL TRUCK CHROME LUG NUT PULLER

• Thick carbon steel material provides strength for heavy duty applications • Round shape handle provides comfort and ease of operation • Suitable for all heavy duty truck lug nut applications • Two hole design can be switched to expand range and size of application • Coated jaws protect painted, aluminum or chrome plated lug nuts from damage



402-03116

ASCOT NO.	MFG. NO.	DESCRIPTION
402-03116	202603-HD	Commercial Truck Chrome Lug Nut Puller

### CHROME LUG NUT COVER REMOVER

• Coated to prevent scratching or damage to chrome, coated or painted lug covers • Cushioned grip to prevent slippage



402-30606

ASCOT NO.	MFG. NO.	DESCRIPTION
402-30606	30606	Chrome Lug Nut Cover Remover

### HEAVY DUTY PROFESSIONAL CHROME NUT PULLER

• Coated to prevent scratching or damage to chrome, coated or painted lug covers • Cushioned grip to prevent slippage • NO ADJUSTMENT REQUIRED: Fits all 33mm & 1½" covers • Similar to Ken Tool 30606



402-03016

ASCOT NO.	MFG. NO.	DESCRIPTION
402-03016	202603	Heavy Duty Professional Chrome Nut Puller with Cushion Handle





# Wheel Attaching Hardware

## HUB CENTRIC NUT

By filling the void between the stud hole, "clocking" is eliminated, and problems caused by clocking, such as wheel offs and wheel hub vibrations, are eliminated.

- Hub Centric Nut fills void standard flange nuts don't
- Stops rim from shifting forwards or backwards
- Eliminates "clocking" caused by standard wheel nuts not filling wheel hole completely
- Metric 2-piece hub centering nut
- Elongated neck for centering the wheel to the hub
- Certified American Steel
- Each part tested for thread, fit and finish
- QUANTITY: 50 per box



SIDE VIEW



491-00133  
Hub Centric Nut

TOP VIEW



Oil Nut

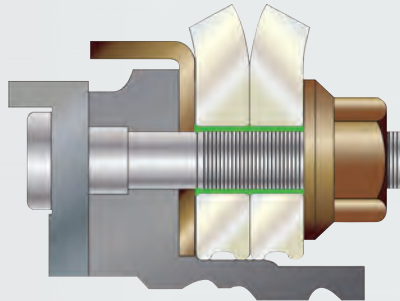


Oil Stud

ASCOT NO.	MFG. NO.	DESCRIPTION
491-00133	X10-PN22B	33mm Hex X 1.5mm Thread

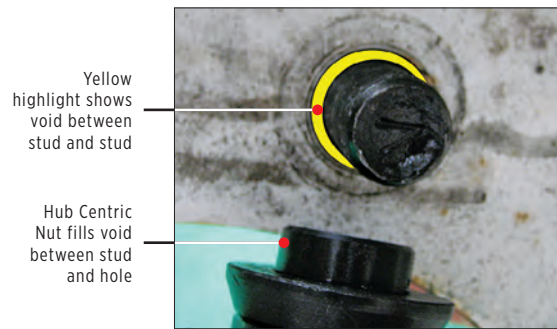
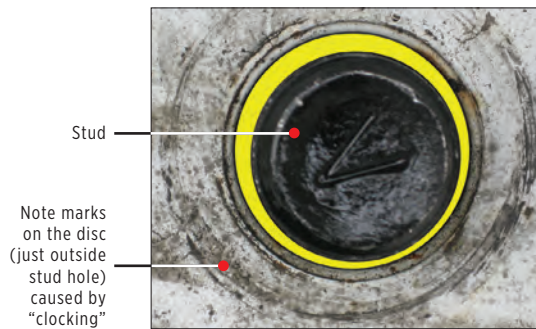
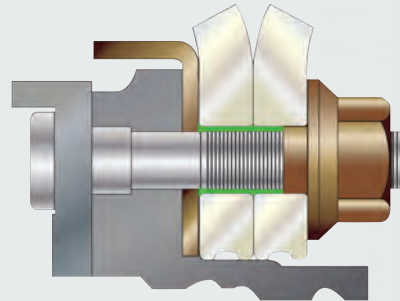
WHEEL ASSEMBLY WITH STANDARD NUT

Void (Highlighted in Green) between stud and hole



WHEEL ASSEMBLY WITH HUB CENTRIC NUT

Hub Centric Nut fills void between stud and hole



This nut had been torqued to specifications and retorqued per factory settings.





## 33MM SKIRT NUT

• Original Skirt Nut • Replaces standard M22 flange nuts on 11.25" hub-piloted wheels • Partially penetrates the stud hole and prevents clocking and vibration • QUANTITY: 100 per case



491-01133

ASCOT NO.	MFG. NO.	DESCRIPTION
491-01133	SN-M22	33mm Skirt Nut

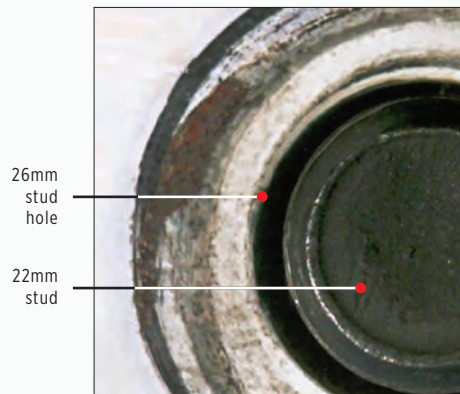
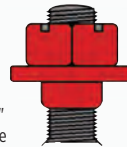


## SKIRT NUTS

• Stops wheel/hub vibrations and many tire wearing problems • Stops wheel movement (clocking) on the face of the hub • Eliminates wasted fuel caused by rolling resistance or "drag" • Special graphite coating prevents nut from rusting onto the hub • QUANTITY: 25 per box



Extended threading allowing Skirt Nut to go down into Hub-Piloted Disc Wheel an extra 3/16" (5mm) into stud hole



26mm stud hole  
22mm stud

There is a fairly large tolerance between the diameter of each stud hole and the diameter of the stud itself.



491-02301



491-02906



491-02919



491-02928



491-02939

ASCOT NO.	MFG. NO.	DESCRIPTION
491-02301	GL-2301	Haltec 33mm 2-Piece Flange Nut: • 130 per Case • Inner Thread M22-1.5 • For Uni-Mount 10-Hole Systems
491-02906	GL-2906	Haltec 6mm Sleeve Nut: Steel Steers
491-02919	GL-2919	Haltec 19mm Sleeve Nut: • Aluminum Steers • Steel/Steel Drives • Steel Outer/Aluminum Inner Drives
491-02928	GL-2928	Haltec 28mm Sleeve Nut: • HD Aluminum • Super Single • Wide Base • Aluminum Outer/Steel Inner Drives
491-02939	GL-2939	Haltec 39mm Sleeve Nut: Dual Aluminum Drive Axle

## Wheel Attaching Hardware (cont.)

## GRADE 8 DISC WHEEL HARDWARE-INNER CAP NUTS

ASCOT NO. FOR SIRCO	SIRCO NO.	ASCOT NO. FOR GLP	GLP NO.	OUTER THREAD	INNER THREAD	OVERALL LENGTH	SIMILAR TO:			
							Budd	Euclid	Leland	Steel/Steel
491-00708	708AR	491-01001 (RH)	GL-1001	1 1/8" - 16	3/4" - 16	2 7/32"	Budd 10708	Euclid 7895R	Leland W-11	Steel/Steel
491-00709	709AL	491-01002 (LH)	GL-1002	1 1/8" - 16	3/4" - 16	2 7/32"	Budd 10709	Euclid 7895L	Leland W-12	Steel/Steel
491-00896	896R	491-01003 (RH)	GL-1003	1 1/8" - 16	3/4" - 16	2 9/16"	Budd 35336	Euclid 7896R	Leland W-620	Steel/Alum
491-01896	896L	491-01004 (LH)	GL-1004	1 1/8" - 16	3/4" - 16	2 9/16"	Budd 35337	Euclid 7896L	Leland W-621	Steel/Alum
491-00897	897R	491-01005 (RH)	GL-1005	1 1/8" - 16	3/4" - 16	3 1/16"	Budd 22621	Euclid 7897R	Leland W-616	Steel/Alum
491-01897	897L	491-01006 (LH)	GL-1006	1 1/8" - 16	3/4" - 16	3 1/16"	Budd 22622	Euclid 7897L	Leland W-617	Steel/Alum
491-00978	988R	491-01011 (RH)	GL-1011	1 1/8" - 16	3/4" - 16	3 1/16"	Alcoa 5988R	Euclid 5988R	Leland W-486	Alum/Alum
491-01978	988L	491-01012 (LH)	GL-1012	1 1/8" - 16	3/4" - 16	3 1/16"	Alcoa 5988L	Euclid 5988L	Leland W-487	Alum/Alum
METRIC										
491-00306	306R	491-01009 (RH)	GL-1009	M30 -1.5	M20 -1.5	M-62 (2 7/16")	Hino 900423101	Isuzu 1-42335005 - Zinc		
491-01306	306L	491-01010 (LH)	GL-1010	M30 -1.5	M20 -1.5	M-62 (2 7/16")	Hino 900424101	Isuzu 1-42336005 - Zinc		



491-01001



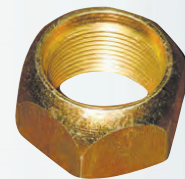
491-01003



491-01011

## GRADE 8 DISC WHEEL HARDWARE-OUTER CAP NUTS

ASCOT NO. FOR SIRCO	SIRCO NO.	ASCOT NO. FOR HALTEC	HALTEC NO.	SIMILAR TO:		
				Budd	Euclid	Leland
491-00891	891AR	491-02001 (RH)	GL-2001	Budd 37891	Euclid 5997R	Leland W-13
491-00892	892AL	491-02002 (LH)	GL-2002	Budd 37892	Euclid 5997L	Leland W-14
491-00888	888R	491-02101 (RH)	GL-2101	Budd 37888	Euclid 5652R	Leland W-15
491-00889	889L	491-02102 (LH)	GL-2102	Budd 37889	Euclid 5652L	Leland W-16
491-00995	995R	491-02103 (RH)	GL-2103	Alcoa 5995R	Euclid 5995R	Leland W-506
491-01995	995L	491-02104 (LH)	GL-2104	Alcoa 5995L	Euclid 5995L	Leland W-507
N/A	891BR	491-01891	GL-2004	THRU HARDNESS - GMC-3988631		
N/A	892BL	491-02892	GL-2003	THRU HARDNESS - GMC-3988631		
N/A	N/A	491-02203	GL-2203	Budd 95188	Euclid 9022R	Dodge 3637719
N/A	N/A	491-02204	GL-2204	Budd 95189	Euclid 9022L	Dodge 3637720
N/A	N/A	491-02202	GL-2202	Budd 81269	Euclid 5734	GMC 3771410
N/A	N/A	491-02303	GL-2303	Alca 389928	Ford E4TZ-1012A	N/A
METRIC						
491-00304	304R	491-02009	GL-2009	Hino 900421112	Isuzu 1-42333023	Leland W-722/3
491-01304	304L	491-02010	GL-2010	Hino 900422104	Isuzu 1-42334023	Euclid 10254R/L
491-00033	333B	491-02301	GL-2301	Budd 106333	Euclid 6000A	Leland W-498
491-00881	881M	491-02302	GL-2302	MW 88881	Euclid 5991	Leland W-492



491-02001



491-02203



Lubricate nut & stud  
before applying  
to the vehicle



The Counteract Wheel Centering Sleeves in use.

COUNTERACT WHEEL CENTERING SLEEVES

• Patent pending wheel centering system that works in conjunction with your OEM style two-piece flange nuts • Unique self-sizing & non-corrosive design re-aligns the wheel to the TRUE CENTER of the hub bearing • Increased fuel mileage, increased tire life, decreased tire vibration, stops irregular tire wear, decreased tire maintenance, reduced tire cupping, reduced “wheel off” conditions • Made from a high temperature resistant polyamide



491-02622



491-02620



491-02100

ASCOT NO.	MFG. NO.	DESCRIPTION
491-02622	WCS-B	Centering Sleeves Clamshell - 22mm (Pack of 6)
491-02620	WCS-B20	Centering Sleeves Clamshell - 20mm (Pack of 6)
491-02100	WCS-C	Centering Sleeves - 22mm (Bucket of 100)
491-02101	WCS-D	Centering Sleeves - 22mm (Bucket of 1,000)

COUNTERACT INSTALLATION/REMOVAL TOOL

• Specifically designed to install and remove Counteract Centering Sleeves



491-02111

ASCOT NO.	MFG. NO.	DESCRIPTION
491-02111	WCS-IT	Counteract Installation/Removal Tool



WHEEL STUD ALIGNMENT SET

• 5 SIZES: M12 x 1.25, M12 x 1.5, M12 x 1.75, M14 x 1.25, M14 x 1.5 • Each stud is marked with the thread size • Color coded for easy identification • Knurled edges provide a secure grip • Comes in a sturdy blow molded case



491-19010

ASCOT NO.	MFG. NO.	DESCRIPTION
491-19010	OT-190F	10-Piece Wheel Stud Alignment Set

WHEEL SERVICE PRODUCTS



⚠️WARNING: For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).





## Wheel Attaching Hardware (cont.)

### MUD FLAP BOLT KIT

• All the hardware needed to attach mud flaps to trucks or trailers • INCLUDES: (4) 3/8"-16 x 1-1/4" bolts, (4) 3/8" Nuts, (8) 3/8" flat washers & (4) 3/8" lock washers

ASCOT NO.	MFG. NO.	DESCRIPTION
491-00038	MFBK	Mud Flap Bolt Kit



491-00038

### SPOKE WHEEL HARDWARE



491-03005



491-03002

ASCOT NO. FOR SIRCO	SIRCO NO.	ASCOT NO. FOR HALTEC	HALTEC NO.	THREAD	SIMILAR TO:		
<b>RIM CLAMP NUTS</b>							
491-00149	149	491-03004	GL-3004	5/8-11	Dayton 5149	Euclid 4962	Leland W-7
491-00716	716	491-03005	GL-3005	3/4-10	Dayton 5716	Euclid 4963	Leland W-8
<b>RIM STUDS (GRADE 8)</b>							
491-00654	654	491-03001	GL-3001	5/8-11x2-3/4	Dayton 6654	Euclid 4958	Leland W-5
N/A	N/A	491-03002	GL-3002	3/4-10x3	Dayton 5715	Euclid 4956-A	Leland W-6

### LOCKING BACK NUTS

491-06023



ASCOT NO.	HALTEC NO.	SIZE	SIMILAR TO:	
491-06023	GL-6023	5/8"-18	MW 85643	—
491-02431	GL-2431	7/8"-14	Budd 41073-8	Euclid 1835
491-02445	GL-2445	1"-14	Budd 44672-9	Euclid 1828

### OIL SEAL HUBCAPS AND GASKETS



491-04009

ASCOT NO.	MFG. NO.	DESCRIPTION
491-04009	GL-4009	Standard 6-Hole Hubcap
491-04012	GL-4012	6-Hole Gasket for Above
491-04013	GL-4013	Universal Gasket - 5 or 6 Hole
491-04020	GL-4020	Replaceable Window Kit
491-04021	GL-4021	Rubber Plug for Bolt-On Cap
491-09013	GL-4913	Fruehauf/Propar Cap
491-09014	GL-4974	O-Ring for Screw-On Cap

### CONE WHEEL NUTS



491-00014

ASCOT NO.	MFG. NO.	SIZE	DESCRIPTION
491-00014	GL-0014	7/16"-20 (3/4" Hex, 9/16" High)	G.M.
491-00016	GL-0016	1/2"-20 (13/16" Hex, 5/8" High)	Ford
491-00027	GL-0027	1/2"-20 (3/4" Hex, 9/16" High)	Chrysler
491-00062	GL-0062	12mm-1.5 (19mm Hex, 14mm High)	G.M.
491-00066	GL-0066	12mm-1.5 (21mm Hex, 16mm High)	Toyota
491-00065	GL-0065	12mm-1.25 (21m Hex, 16mm High)	Nissan
491-00064	GL-0064	12mm-1.25 (19mm Hex, 16mm High)	Nissan
491-00052	GL-0052	9/16"-18 (7/8" Hex, 3/4" High)	G.M.
491-00055	GL-0055	R.H. 5/8"-18 (1" Hex, 21/32" High)	Budd 67147
491-00056	GL-0056	L.H. 5/8"-18 (1" Hex, 21/32" High)	Budd 67147

### BRAKE DRUM MOUNTING HARDWARE



491-06014

ASCOT NO.	MFG. NO.	SIZE	DESCRIPTION
491-06012	GL-6012	5/8-18 x 2"	5/8" Brake Bolt/Washer/Assembly
491-06014	GL-6014	3/4-16 x 2"	3/4" Brake Bolt/Washer/Assembly
491-06020	GL-6020	5/8-18 x 2"	Brake Bolt Only
491-06021	GL-6021	3/4-16 x 2"	Brake Bolt Only
491-06025	GL-6025	5/8"	Flat Washer
491-06026	GL-6026	3/4"	Flat Washer
491-06023	GL-6023	5/8"-18"	Lock Nut Only
491-06024	GL-6024	3/4"-16"	Lock Nut Only

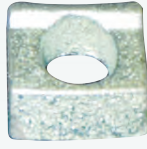
## RIM CLAMPS



491-03097



491-03113



491-06115



## INSTALLATION TOOL FOR ALCOA HUB COVER SYSTEMS

• APPLICATION: For use with Alcoa 076185, 077185, 076188 & 077188 Hub Systems



491-00600

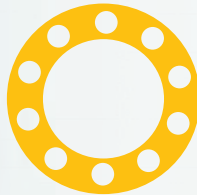
ASCOT NO. FOR SIRCO	SIRCO NO.	ASCOT NO. FOR HALTEC	HALTEC NO.	A DIM.	B. DIM.	C. DIM.	SIMILAR TO:		
							Dayton	Euclid	Leland
491-00399	399	491-03083	GL-3083	N/A	N/A	N/A	Dayton 8399	Euclid 5927	Leland W-124
491-00729	729	491-03087	GL-3087	N/A	N/A	N/A	Dayton 09-729514	Euclid 5838	Leland W-407
491-00123	123	491-03096	GL-3096	1-1/8"	2-7/8"	2-11/32", 3/4" Stud	Dayton 6123	Euclid 5571A	Leland W-3
491-00235	235	491-03097	GL-3097	1-3/4"	2-7/8"	2-11/32", 3/4" Stud	Dayton 6235	Euclid 5572A	Leland W-4
491-00993	993	491-03098	GL-3098	1-1/2"	2-7/8"	2-11/32", 3/4" Stud	Dayton 6993	Euclid 5040A	Leland w-120
N/A	N/A	491-03099	GL-3099	2-1/8"	2-7/8"	2-11/32", 3/4" Stud	Dayton 705317	Euclid 5786	Leland W-403
N/A	N/A	491-03101	GL-3101	1-7/8"	2-7/8"	2-11/32", 3/4" Stud	Dayton 851817	Webb 16124	Leland W-404
N/A	N/A	491-03103	GL-3103	1-1/4"	2-7/8"	2-11/32", 3/4" Stud	Dayton 8708	Euclid 5784	Leland W-405

ASCOT NO.	MFG. NO.	DESCRIPTION
491-00600	600	Installation Tool for Alcoa Hub Cover Systems

ASCOT NO. FOR SIRCO	SIRCO NO.	ASCOT NO. FOR HALTEC	HALTEC NO.	SIMILAR TO:		
				Mack	Euclid	Leland
491-00257	257	491-03113	GL-3113	Mack 15QJ-17P1	Euclid 5828	Leland W-450
491-00238	238	491-03271	GL-3271	Mack 15QJ-223BP8	Euclid 5781	Leland W-448
491-00233	233	491-03279	GL-3279	Mack 15QJ-223BP3	Euclid 5821	Leland W-467
N/A	N/A	491-06115	GL-6115	Kelsey 79954	N/A	N/A

## STANDARD WHEEL RIM GUARD

• APPLICATION: Protects aluminum, chrome and painted truck rims/wheels during stud and nut removal • Inexpensive • Tough polymer design



402-50301

The standard wheel rim guard in use.

ASCOT NO.	MFG. NO.	DESCRIPTION
402-50301	50301	Standard Wheel Rim Guard



## ALUMINUM WHEEL SHIELD

• APPLICATION: Covers entire wheel while changing tires • Protects aluminum wheel surface from ground • Torque sequence imprint



402-50200

The aluminum wheel shield in use.

ASCOT NO.	MFG. NO.	DESCRIPTION
402-50200	50200	Aluminum Wheel Shield



## DISCMATE WHEEL PROTECTORS

• Used to protect the wheel's mounting surface from cosmetic damage during use • Placed between the wheel and it's mounting surface on the vehicle and may also be used between 2 dualed wheels for added protection • Wheel nuts should always be tightened to the correct torque following the wheel manufacturer's specifications



Discmate Wheel Protectors

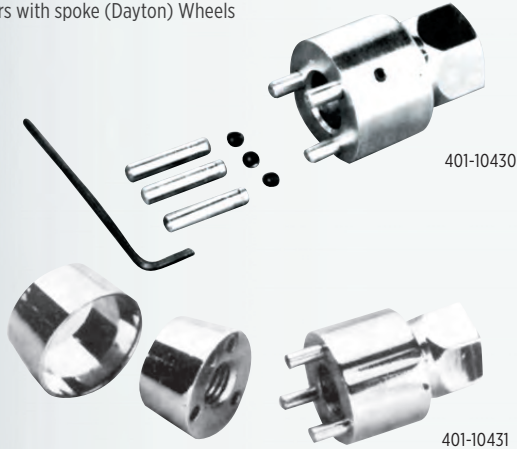
ASCOT NO.	MFG. NO.	DESCRIPTION
402-11000	61020	10-Hole 285.75mm, Hub Pilot, 22mm Studs
402-17000	61000	10-Hole 11-1/4" Stud-Pilot, 1-1/8" Studs
402-18000	61040	10-Hole 335mm, 32mm Cap Nuts, 22mm Studs



# Tire & Wheel Service Tools

## WHEELOK SYSTEMS FOR HEAVY DUTY VEHICLES

- APPLICATION: For trucks, tractors or trailers with spoke (Dayton) Wheels



ASCOT NO.	MFG. NO.	DESCRIPTION
401-10431	X10-DN43Z	Wheelok Nut & Free Spinning Sleeve - 2 Recommended For Each Wheel to Replace 2 Regular Nuts
401-10430	X10-DK43Z	Wheelok Key With Replaceable Pin - "Combination" Determined By Position Of Pins

## WHEELOK SYSTEMS FOR HEAVY DUTY VEHICLES: FRONT WHEELS

- APPLICATION: For trucks, tractors or trailers with disc (Budd) Wheels; For truck or tractor front wheels

ASCOT NO.	MFG. NO.	DESCRIPTION
401-10160	X10-BN16Z	Wheelok Nut & Free Spinning Sleeve - Right-Hand Thread - 2 For Each Wheel To Replace 2 Regular Nuts
401-10170	X10-BN17Z	Wheelok Nut & Free Spinning Sleeve - Left-Hand Thread - 2 for Each Wheel to Replace 2 Regular Nuts

## WHEELOK SYSTEMS FOR HEAVY DUTY VEHICLES: REAR WHEELS

- APPLICATION: For trucks, tractors or trailers with disc (Budd) Wheels; For truck or tractor rear wheels

ASCOT NO.	MFG. NO.	DESCRIPTION
401-10280	X10-BN28Z	Wheelok Nut Only - Right Hand Thread - 2 For Each Wheel To Replace 2 Regular Nuts
401-10290	X10-BN29Z	Wheelok Nut Only - Left Hand Thread - 2 For Each Wheel To Replace 2 Regular Nuts
401-10810	X10-BK81Z	Wheelok Key With Replaceable Pin - "Combination" Determined By Position Of Pins

## WHEELOK SYSTEMS FOR HEAVY DUTY VEHICLES

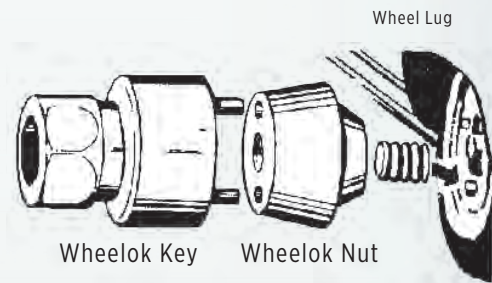
- APPLICATION: For trucks, tractors or trailers with Budd Unimount™ Wheels - 22mm thread or equivalent



ASCOT NO.	MFG. NO.	DESCRIPTION
401-10220	X10-UN22Z	Wheelok Nut, Flange and Free Spinning Sleeve - Combined Into One Single Unit
401-10221	X10-UK22Z	Wheelok Key with Replaceable Pin - "Combination" Determined By Position Of Pins

## WHEELOK SYSTEMS FOR AUTOS & LIGHT TRUCKS

- EACH KIT INCLUDES: 4 nuts (1 for each wheel) and 1 key
- Available for American vehicles and imports
- Combination determined by order of pins



ASCOT NO.	MFG. NO.	DESCRIPTION
401-10000	X10-SS00C	Wheelok System for autos & light trucks



### RIB NUT SALVAGE TOOL KIT

• INCLUDES: (1) Drift Pin, (1) Salvage Cylinder, (1) LH Thread Bolt, (1) RH Thread Bolt



499-10150

ASCOT NO.	MFG. NO.	DESCRIPTION
499-10150	X10-LS15B	Rib Nut Salvage Tool Kit

### 3-PIECE HEX NUT REMOVER KITS



492-15000

ASCOT NO.	MFG. NO.	DESCRIPTION
492-15000	X10-NR15B	1-1/2" Hex Nut Remover Kit - 3 Piece
492-14000	X10-NR14B	1-1/4" Hex Nut Remover Kit - 3 Piece

### STUD INSTALLERS



492-10158



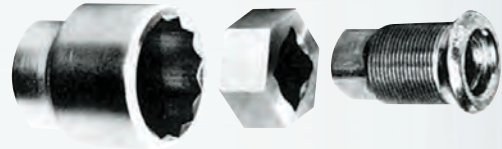
492-10134

ASCOT NO.	MFG. NO.	DESCRIPTION
492-10134	X10-SI34Z	For 3/4" Studs. Fits 1-1/4" Socket
492-10150	X10-LC15B	Rib Nut Salvage Cylinder
492-10158	X10-SI58Z	For 5/8" Studs. Fits 1-1/4" Socket
492-10159	X10-SI59Z	For 5/8" x 18 Studs. Fits 1-1/4" Socket
492-10196	X10-SI96Z	For 9/16" x 18 studs. Fits 1-1/4" Socket
492-10590	X10-SI59Z	5/8"- 18 Stud Installer

### STUD REMOVERS

ASCOT NO.	MFG. NO.	DESCRIPTION
492-10340	X10-SR34B	For 3/4" Studs. Fits 1-1/4" Socket
492-10580	X10-SR58B	For 5/8" Studs. Fits 1-1/4" Socket
492-10180	X10-SR18B	For 1-1/8" Studs. Fits 1-1/4" Socket
492-10780	X10-SR78B	For 7/8" Studs. Fits 1-1/4" Socket

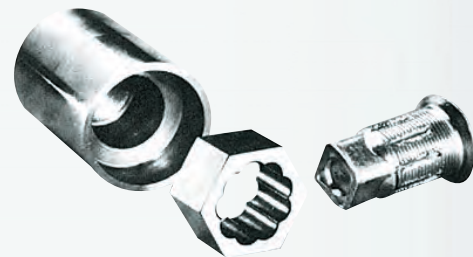
### 13/16" SQUARE HEAD ADAPTER



499-10130

ASCOT NO.	MFG. NO.	DESCRIPTION
499-10130	X10-SA13B	Fits 1-1/2" Socket Wrench to Speed Up Installing Or Removing Budd Wheel Inner Cap Nuts
499-10171	X10-SA17B	17mm Stud Adapter
499-10210	X10-SA21B	21mm Stud Adapter

### HEAVY DUTY DRIVE-ON RIB-GRIP LUG-OFF KITS



499-10200

ASCOT NO.	MFG. NO.	DESCRIPTION
499-10200	X10-LT20B	For Removing Damaged Inner Cap Nuts (1-1/8" Dia. - 13/16" Square Head) INCLUDES: (1) Drive-On Tool And (1) Rib Nut
499-10340	X10-LT34B	For Removing Damaged 3/4" Lug Studs. INCLUDES: (1) Drive-On Tool And (1) Rib Nut
499-10580	X10-LT58B	For Removing Damaged 5/8" Lug Studs. INCLUDES: (1) Drive-On Tool, (1) Rib Nut
499-10660	X10-LT66B	Triple Duty Tool For Removing Damaged Budd Wheel Inner Cap Nuts, 3/4" And 5/8" Lug Studs. INCLUDES: (1) Drive-On Tool and (3) Rib Nuts

### REPLACEMENT RIB NUTS

ASCOT NO.	MFG. NO.	DESCRIPTION
499-10180	X10-LN18B	For Budd Wheel Inner Cap Nuts
499-10341	X10-LN34B	For 3/4" Lug Studs
499-10581	X10-LN58B	For 5/8" Lug Studs
499-10211	X10-LN21B	For 21mm Lug Studs
499-11171	X10-LN17B	For 17mm Lug Studs
492-10151	X10-LP15Z	Drive Pin



Tire & Wheel Service Tools (cont.)



WHEEL STUD INSTALLERS

Prevents damage to your lug nuts or new stud by reducing friction during stud installation

Works with hubs, rotors, axles

Two sizes available: Vehicle Wheel Stud Installer & Truck Wheel Stud Installer



492-02278



492-14916

ASCOT NO.	MFG. NO.	DESCRIPTION
492-02278	TWS-22	Truck Wheel Stud Installer - Fits studs up to 7/8" (22mm)
492-14916	TWS-14	Vehicle Wheel Stud Installer - Fits studs up to 9/16" (14mm)



319-96090

7-PIECE SPARE TIRE TOOL SET

- Allows anyone to quickly remove difficult to reach spare tires
- No more digging through the customer's vehicle to locate the spare tire removal kit
- Color-coded wall bracket allows user to quickly identify the correct removal tool
- APPLICATION: Includes many trucks & SUV's where the spare tire is located under the vehicle



ASCOT NO.	MFG. NO.	DESCRIPTION
319-96090	96090A	7-Piece Spare Tire Tool Kit

ASCOT NO.	MFG. NO.	DESCRIPTION
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INDIVIDUAL SPARE TIRE TOOLS		
319-96091	96091	Spare Tire Tool - Flat Head: Red APPLICATION: For Use on Late Model S10 trucks, Explorers, Blazers, Jimmys, F150s, Expeditions, Older Dakota 2-Wheel Drives and McGuard Lock Systems
319-96092	96092	Spare Tire Tool - Pin Head: Blue APPLICATION: For Use on Import Trucks
319-96093	96093	Spare Tire Tool - Hex Head: Yellow APPLICATION: For Use on Dodge Full Size and Stake Bodies, '98-'01 Dodge Full-Size 4-Wheel Drive
319-96094	96094	Spare Tire Tool - 12mm Square Head: Green APPLICATION: For Use on All Late Model GMs, Remaining '98-'03 Dodge Trucks
319-96095	96095	Spare Tire Tool - Std. Square Head: Orange APPLICATION: For Use on Older Ford Trucks
319-96096	96096	Spare Tire Tool - Slotted Square Head: Black APPLICATION: For Use on Dodge Durango, Inside the Hatch
319-96097	96097	Wall Mount Bracket for Spare Tire Tool Set Color-coded to allow user to quickly identify the correct removal tool
319-96098	96098	Spare Tire Tool - 3/8" Square Head: Purple APPLICATION: For Use on New Ford Models



UNI-MOUNT M22 THREAD PITCH GAUGE

• APPLICATION: Designed for M22 x 1.5 Uni-Mount Studs • If the thread teeth do not fully engage the stud, the stud should be removed from service • Simple to use



401-69260



ASCOT NO.	MFG. NO.	DESCRIPTION
401-69260	69260	Uni-Mount Thread Gauge



PORTABLE TRUCK WHEEL STUD REMOVER & INSTALLER

• Power of a 10-ton shop press • Remove and install studs without removing the hub • Two-hour job is done in twenty minutes without risk of damaging seals or bearings • Any mechanic can use it to get the job done right in minutes



CHAMFER/NUT GAUGE

• Kit shows when wheel chamfers and wheel nuts are worn out • Visual guide detects excessive wear in bolt holes • APPLICATION: For use with steel stud piloted wheels



401-69290

ASCOT NO.	MFG. NO.	DESCRIPTION
401-69290	69290	Chamfer Nut Gauge



492-06346

ALCOA WHEEL INSTALLATION SLEEVES

• Align wheel bolt holes • Seat brake drums that have .980" diameter bolt holes • Prevent damage to M22x1.5 studs • Assist in lining up all components for ease of install • INCLUDES: 2 tools per kit • Made in USA



491-00426

ASCOT NO.	MFG. NO.	DESCRIPTION
491-00426	407422	Alcoa Wheel Installation Sleeves

ASCOT NO.	MFG. NO.	DESCRIPTION
492-06247	6247	PakPress Cart
492-06346	6346	Complete PakPress Kit (Includes Cart)



# Stud and Hub Cleaning Tools

## STUD CLEANING TOOLS

- Allows for cleaning the full length of the thread on 10 studs in less than 3 minutes
- Works with air or hand tools
- CAUTION: Always use eye protection
- 1/2" adapter included with each tool
- Replacement Brushes Available



ASCOT NO.	MFG. NO.	DESCRIPTION
<b>REPLACEMENT BRUSHES FOR STUD CLEANING TOOLS</b>		
402-00112	SBR12	12mm (7/16") Repl. Brush
402-00113	SBR13	13mm (1/2") Repl. Brush
402-00014	SBR14	14mm (9/16") Repl. Brush
402-00016	SBR16	16mm (5/8") Repl. Brush
402-00118	SBR18	18mm (45/64") Repl. Brush
402-00120	SBR20	20mm (25/32") Repl. Brush
402-00122	SBR22	22mm (7/8") Repl. Brush
402-00128	SBR28	28mm (1-1/8") Repl. Brush



402-00013



402-00022



402-00028



Replacement Brush for Stud Cleaning Tool

ASCOT NO.	MFG. NO.	DESCRIPTION
402-00013	SBCT-13	13mm (1/2") Stud Cleaning Tool
402-00022	SBCT-22	22mm (7/8") Stud Cleaning Tool
402-00028	SBCT-28	28mm (1-1/8") Stud Cleaning Tool



Before



After

Stud Cleaning Tool in use.



### PROFESSIONAL STUD/HUB BRUSH KIT

- Ideal for hub and stud cleaning job with ease • QUICK AND EASY: Change brushes in seconds • Includes a 1/2" drive adapter
- Powered by a cordless drill • Replacement brushes available



QUICK & EASY TO USE

402-32610



402-32613



402-32615

ASCOT NO. MFG. NO. DESCRIPTION

**REPLACEMENT COMPONENTS FOR STUD/HUB BRUSH KIT**

402-32611	203611-ASC	Plastic Hub/Stud Tool & Adapter
402-32613	203613-ASC	4-Pack of Replacement 14mm Stud Brushes
402-32614	203614-ASC	4-Pack of Replacement 22mm Stud Brushes
402-32615	203615-ASC	4-Pack of Replacement Passenger Hub Brushes
402-32616	203616-ASC	4-Pack of Replacement Truck Hub Brushes

ASCOT NO.	MFG. NO.	DESCRIPTION
402-32610	203610-ASC	Stud/Hub Brush Kit

### HUB BUDDY TOOL

- IMPACT RATED: No need to change tools • Complies with best practice R.I.S.T. procedure • Removes rust, corrosion and other build-up from wheel stud, drums and tire rim • Helps proper torque of lug nuts by removing corrosion • A must for easy and accurate tire balancing • INCLUDES: 1 Hub Buddy XL attachment and 1 cleaning disc head • Replacement cleaning discs available in packs of 6 (Product # 402-37335)



402-37330

402-37335

ASCOT NO.	MFG. NO.	DESCRIPTION
402-37330	37330	Hub Buddy Tool
402-37335	37335	2" Hub Buddy Tool Replacement Pads
402-37340	37340	1-1/2" Hub Buddy Tool Replacement Pads

### STUD CLEANING KIT

- Quickly and effectively clean rust and corrosion from wheel studs
- Manufactured from one single piece of anodized aluminum for increased durability
- Designed for use with Auto, Light Truck, SUV, Utility Trailers, Commercial Truck and Bus applications
- Contains everything you need to clean a wide variety of wheels in one handy kit



402-01322

**KIT CONTENTS**

SBCT22 with a SBR22 brush	2 hex keys
Safety glasses	REPLACEMENT BRUSHES: SBR 12,13,14,16, 18, 20 and 22mm
2 adapters	

ASCOT NO.	MFG. NO.	DESCRIPTION
402-01322	SKT-1322	Stud Cleaning Kit

WHEEL SERVICE PRODUCTS



⚠ WARNING: For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



### WHEEL HUB GRINDER

- Special grinder for cleaning the wheel centering device as well as the attachment area between the wheel and hub • Burnt in corrosion residues are completely removed in a quick and easy process • Actual cleaning time per hub only takes between 3-25 seconds depending upon residue thickness • Replacement Discs Available

QUICKLY REMOVES RUST



402-43351



402-43352



Wheel Hub Grinder in action.

ASCOT NO.	MFG. NO.	DESCRIPTION
402-43352	433 502/M	Wheel Hub Grinder
402-43351	433 501	Grinder Replacement Discs (3 per package)

### INNER RIM CLEANER AND REPLACEMENT DISCS

- Meant for the optimal cleaning of the inner wheel contact surface
- Prevents corrosion related distortion of wheel bolt tightening torque
- Allows for the complete removal of burnt in corrosion
- Used only on the inside of an aluminum rim • Velcro adhesive makes it easy to change out replacement discs • 75mm diameter in size • REPLACEMENT DISCS AVAILABLE: 3 per box



402-43357

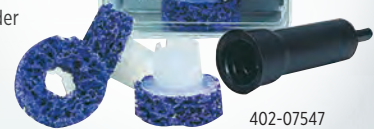


402-43358

ASCOT NO.	MFG. NO.	DESCRIPTION
402-43357	433 507	Inner Rim Cleaner
402-43358	433 508	Replacement Discs (3 per Box)

### 3M BRAKE HUB CLEANING DISCS

- Extremely tough three-dimensional web • Non-metallic attachment system and disc pad holder • Roloc disc locks securely; 1/2 turn on, 1/2 turn off
- Ideal for use on right angle air tools
- KIT CONTAINS: 5 Scotch-Brite Roloc Brake Hub Cleaning Discs and 1 3M Brake Hub Cleaning Disc Holder



402-07547

ASCOT NO.	MFG. NO.	DESCRIPTION
402-07545	07545	3M Brake Hub Cleaning Disc Holder
402-07546	07546	3M Scotch-Brite Roloc Brake Hub Cleaning Discs - 10 Discs
402-07547	07547	3M Scotch-Brite Roloc Brake Hub Cleaning Disc Kit