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EnduroSharp® Product Order Sheet

(Please use this sheet to email or phone in your purchase order)

EnduroSharp® Torlon® Scraper Blade

DESCRIPTION	PART #	# OF BOXES	UNIT PRICE	EXTENDED PRICE	NATIONAL STOCK NUMBERS	CAGE CODE
<i>(Shipped 10 parts per box)</i>						
Available Sizes: (Requires Blade Holder)						
Box price (1-5 boxes): \$180.00	.170" blade tip width	TSB-170	\$	\$	5110-01-675-3792	0J1C6
Box price (6-20 boxes): \$162.00	.230" blade tip width	TSB-230	\$	\$	5110-01-670-5054	0J1C6
Box price (21+ boxes): \$150.00	.500" blade tip width	TSB-500	\$	\$	5110-01-670-5038	0J1C6
	.750" blade tip width	TSB-750	\$	\$	5110-01-675-4473	0J1C6
	1.200" blade tip width	TSB-1200	\$	\$	5110-01-670-5045	0J1C6



EnduroSharp® Torlon® Gap Blade

DESCRIPTION	PART#	# OF BOXES	UNIT PRICE	EXTENDED PRICE	NATIONAL STOCK NUMBERS	CAGE CODE
<i>(Shipped 10 parts per box)</i>						
Available Sizes: (Requires Blade Holder and Adaptor TGBA-001)						
Box price (1-5 boxes): \$118.50	.075" blade width x .075" cutting depth	TGB-75-75	\$	\$	N/A	0J1C6
Box price (6-20 boxes): \$108.00	.075" blade width x .160" cutting depth	TGB-75-16	\$	\$	N/A	0J1C6
Box price (21+ boxes): \$100.00	.075" blade width x .250" cutting depth	TGB-75-25	\$	\$	N/A	0J1C6
	.100" blade width x .075" cutting depth	TGB-10-75	\$	\$	N/A	0J1C6
	.100" blade width x .160" cutting depth	TGB-10-16	\$	\$	N/A	0J1C6
	.100" blade width x .250" cutting depth	TGB-10-25	\$	\$	N/A	0J1C6
	.125" blade width x .075" cutting depth	TGB-12-75	\$	\$	5110-01-670-1716	0J1C6
	.125" blade width x .160" cutting depth	TGB-12-16	\$	\$	5110-01-675-5525	0J1C6
	.125" blade width x .250" cutting depth	TGB-12-25	\$	\$	N/A	0J1C6
	.170" blade width x .075" cutting depth	TGB-17-75	\$	\$	5110-01-670-5032	0J1C6
	.170" blade width x .160" cutting depth	TGB-17-16	\$	\$	5110-01-675-4468	0J1C6
	.170" blade width x .250" cutting depth	TGB-17-25	\$	\$	5110-01-670-5030	0J1C6
	.230" blade width x .075" cutting depth	TGB-23-75	\$	\$	5110-01-670-5032	0J1C6
	.230" blade width x .160" cutting depth	TGB-23-16	\$	\$	5110-01-675-4468	0J1C6
	.230" blade width x .250" cutting depth	TGB-23-25	\$	\$	5110-01-670-5030	0J1C6



EnduroSharp® Gap Filler Removal Disc (Oscillating)


DESCRIPTION	PART #	# OF BOXES	UNIT PRICE	EXTENDED PRICE	NATIONAL STOCK NUMBERS	CAGE CODE
<i>Shipped 4 parts per box (any combination)</i>						
Available Configurations:						
Box price (1-5 boxes): \$160.00	Circle Disc (Angled Teeth) x 0.055"	GFRD-25FDA55	\$	\$	5130-01-675-5524	0J1C6
Box price (6-20 boxes): \$148.00	Circle Disc (Straight Teeth) x 0.055"	GFRD-25FDS55	\$	\$	N/A	N/A
	Semi Circle Disc (Angled Teeth) x 0.055"	GFRD-25HDA55	\$	\$	5130-01-675-3827	0J1C6
	Semi Circle Disc (Straight Teeth)	GFRD-25HDS55	\$	\$	N/A	N/A
	Radiused Tip Plunge Cut Blade (Straight Teeth) 1.700 x 0.055"	GFRD-2517R55	\$	\$	N/A	0J1C6
	Radiused Tip Plunge Cut Blade (Straight Teeth) .850 x 0.055"	GFRD-2585R55	\$	\$	5130-01-671-8316	0J1C6
	Flat Tip Plunge Cut Blade (Straight Teeth) 1.700 x 0.055"	GFRD-2517S55	\$	\$	N/A	N/A
	Flat Tip Plunge Cut Blade (Straight Teeth) 0.850 x 0.055"	GFRD-2585S55	\$	\$	N/A	N/A




EnduroSharp® Product Order Sheet




EnduroSharp® Torlon® Adhesive Cutters for Mandrels (ABNIR Kit Layer 1) Drill Motor and Ratcheting T Handle (ABNIR Kit Layer 3)

DESCRIPTION	PART #	# OF BOXES	UNIT PRICE	EXTENDED PRICE	
<p><i>(Shipped 10 parts per box)</i></p> <p>Box price (1-5 boxes): \$160.00</p> <p>Box price (6-20 boxes): \$148.00</p> <p>Box price (21+ boxes): \$128.00</p> 	Available Sizes:				
	0.750" Diameter Torlon® Adhesive Cutter (Mandrel Mounted) 8-32 Thread Pitch	TACS-C-1		\$	\$
	1.00" Diameter Torlon® Adhesive Cutter (Mandrel Mounted) 10-32 Thread Pitch	TACS-C-2		\$	\$
	1.00" Diameter Torlon® Adhesive Cutter (Mandrel Mounted) 8-32 Thread Pitch	TACS-C-3		\$	\$
	1.30" Diameter Torlon® Adhesive Cutter (Andrews Tool) 10-32 Thread Pitch	TACS-C-4		\$	\$


EnduroSharp® Torlon® Adhesive Cutters for Surface Prep (Andrews) Tool (ABNIR Kit, Layer 2)

DESCRIPTION	PART #	# OF BOXES	UNIT PRICE	EXTENDED PRICE	
<p><i>(Shipped 10 parts per box)</i></p> <p>Box Price (1-5 boxes): \$160.00</p> <p>Box Price (6-20 boxes): \$148.00</p> <p>Box Price (21+ boxes): \$128.00</p> 	Available Sizes:				
	0.750" Diameter Torlon® Adhesive Cutter (Andrews Tool) 10-32 Thread Pitch	TACA-C-1		\$	\$
	1.00" Diameter Torlon® Adhesive Cutter (Andrews Tool) 10-32 Thread Pitch	TACA-C-2		\$	\$


EnduroSharp® Torlon® Adhesive Reamers

DESCRIPTION	PART #	# OF BOXES	UNIT PRICE	EXTENDED PRICE	
<p><i>(Shipped 10 parts per box)</i></p> <p>Box price (1-5 boxes): \$220.00</p> <p>Box price (6-20 boxes): \$204.00</p> <p>Box price (21+ boxes): \$176.00</p> 	Available Sizes:				
	0.191" Diameter, Straight Fluted, 1/4 Inch Hex Drive	TAR-191 (formally 190)		\$	\$
	0.2155" Diameter, Straight Fluted, 1/4 Inch Hex Drive	TAR-2155		\$	\$
	0.250" Diameter, Straight Fluted, 1/4 Inch Hex Drive	TAR-250		\$	\$
	0.2755" Diameter, Straight Fluted, 1/4 Inch Hex Drive	TAR-2755		\$	\$
	0.313" Diameter, Straight Fluted, 1/4 Inch Hex Drive	TAR-313		\$	\$
	0.3375" Diameter, Straight Fluted, 1/4 Inch Hex Drive	TAR-3375		\$	\$
	0.3615" Diameter, Straight Fluted, 1/4 Inch Hex Drive	TAR-3615		\$	\$
	0.375" Diameter, Straight Fluted, 1/4 Inch Hex Drive	TAR-375		\$	\$
	0.4005" Diameter, Straight Fluted, 1/4 Inch Hex Drive	TAR-4005		\$	\$

EnduroSharp® Gap Filler Removal Bits (Max RPM-6000)

DESCRIPTION	PART #	# OF BOXES	UNIT PRICE	EXTENDED PRICE	NATIONAL STOCK NUMBERS	CAGE CODE
Configuration Available:						
<p><i>(Shipped 10 parts per box)</i></p> <p>Box price (1-5 boxes): \$62.50</p> <p>Box price (6-20 boxes): \$56.50</p> <p>Box price (21+ boxes): Call for pricing</p> 	Spiral Single Fluted, 1.70" X 0.162"	GFRB-T5030-SF-162	\$	\$	5133-01-641-1062	0J1C6


EnduroSharp Mandrel, Standard

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE	
	Configuration Available:				
	0.189" Mandrel (Standard) 8-32 Thread Pitch	STAC-M-3		\$	\$
	0.249" Mandrel (Standard) 10-32 Thread Pitch	STAC-M-4		\$	\$
	0.312" Mandrel (Standard) 10-32 Thread Pitch	STAC-M-5		\$	\$
	0.374" Mandrel (Standard) 10-32 Thread Pitch	STAC-M-6		\$	\$


EnduroSharp® Product Order Sheet




EnduroSharp Mandrel, Segmented

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE
 <p>Unit Price: \$442.00</p> <p>Configuration Available:</p>				
0.189" Mandrel (Segmented & Tetherable) 8-32 Thread Pitch (4 pieces)	TTAC-M-3		\$	\$
0.249" Mandrel (Segmented & Tetherable) 10-32 Thread Pitch (4 pieces)	TTAC-M-4		\$	\$
0.312" Mandrel (Segmented & Tetherable) 10-32 Thread Pitch (4 pieces)	TTAC-M-5		\$	\$
0.374" Mandrel (Segmented & Tetherable) 10-32 Thread Pitch (4 pieces)	TTAC-M-6		\$	\$


EnduroSharp® Locating Button

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE
 <p>Unit Price: \$140.00</p> <p>Configuration Available:</p>				
0.191" Diameter Pilot Standard Locating Button	ATC00254D-191		\$	\$
0.250" Diameter Pilot Standard Locating Button	ATC00254D-250		\$	\$
0.312" Diameter Pilot Standard Locating Button	ATC00254D-312		\$	\$
0.375" Diameter Pilot Standard Locating Button	ATC00254D-375		\$	\$


EnduroSharp® Quick Change Bushing

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE
 <p>Unit Price: \$390.00</p> <p>Configuration Available:</p>				
Quick Change Bushing - Small (Fits 3/4" Dia Abrasive Pad)	ATC00483		\$	\$
Quick Change Bushing - Large (Fits 1" Dia Abrasive Pad)	ATC00484		\$	\$


EnduroSharp® Swivel Assembly

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE
 <p>Unit Price: \$420.00</p> <p>Configuration Available:</p>				
Swivel Assembly (8 - 32 Thread Pitch)	TACS-S-1		\$	\$
Swivel Assembly (10 - 32 Thread Pitch)	TACS-S-2		\$	\$


EnduroSharp® NAT Abrasion Pads

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE
 <p>Box Price: \$20.00 (Shipped 50 units per box)</p> <p>Configuration Available:</p>				
1.3" x 0.26" Abrasive Pad	NAT-AP-CR3		\$	\$
1.3" x 0.35" Abrasive Pad	NAT-AP-CR4		\$	\$
1.3" x 0.50" Abrasive Pad	NAT-AP-CR5		\$	\$
1.3" x 0.58" Abrasive Pad	NAT-AP-CR6		\$	\$

EnduroSharp® Abrasive Pad Refills for NAT Nutplate Repair Kit

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE
 <p>Unit Price: \$765.00</p> <p>Configuration Available:</p>				
Nutplate Abrasive Kit (All ABNIR Abrasive Pads Included) 50 EA	NRK-AP		\$	\$

EnduroSharp® Abrasive Pads for Surface Prep (Andrews Tool) (ABNIR Surface Prep Kit, Layer 2)

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE
 <p>Box Price: \$120.00 (Shipped 50 units per box)</p> <p>Configuration Available:</p>				
0.75" w/TR Abrasive Pads (Andrews Tool - Norton)	ESCKA-AP-075		\$	\$
1.00" w/TR Abrasive Pads (Andrews Tool - Norton VTME) Size 3 (Over Sized), Size 4, Size 5, Size 6 Nutplates	ESCKA-AP-100		\$	\$
1.30" w/TR Abrasive Pads (Andrews Tool - Norton VTME) Size 6 Dome Style Nutplate (Over Sized)	ESCKA-AP-130		\$	\$

EnduroSharp® Product Order Sheet



EnduroSharp® Abrasive Pads for Mandrels (ABNIR Kit, Layer 1), Drill Motor and Ratcheting T-Handle (ABNIR Surface Prep Kit, Layer

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE	
<p>Box Price: \$ 120.00 (Shipped 50 units per box)</p>	Configuration Available:				
	0.75" x 0.200" 8-32 Thread Abrasive Pads (Mandred Mounted - Norton VTME) Size 3 Nutplate	ESCKD-AP-CR3		\$	\$
	1.00" x 0.200" 8-32 Thread Abrasive Pads (Mandred Mounted - Norton VTME) Size 3 Nutplate (Over Sized)	ESCKD-AP-CR3OS		\$	\$
	1.00" x 0.260" 10-32 Thread Abrasive Pads (Mandred Mounted - Norton VTME) Size 4 Nutplate	ESCKD-AP-CR4		\$	\$
	1.00" x 0.330" 10-32 Thread Abrasive Pads (Mandred Mounted - Norton VTME) Size 5 Nutplate	ESCKD-AP-CR5		\$	\$
	1.00" x 0.380" 10-32 Thread Abrasive Pads (Mandred Mounted - Norton VTME) Size 6 Open Style Nutplate	ESCKD-AP-CR6		\$	\$
	1.00" x 0.380" 10-32 Thread Abrasive Pads (Mandred Mounted - Norton VTME) Size 6 Dome Style Nutplate	ESCKD-AP-CR6OS		\$	\$

EnduroSharp® Bottle Brush (used to clean fastener hole on aircraft prior to bonding)

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE
<p>Unit Price: \$3.00 (Shipped 10 per box)</p>	Configuration Available:			
	1/4" Diameter Helical Nylon Tube (Bottle) Brush Single Spiral 0.01" Filament Diameter, 2" Brush Length , 6 1/4" OAL, 3/32" Diameter Shank (Used to clean fastener hole on aircraft abrasive structure prior to preparing bonding area)	ESCKB - CR3		\$
1/2" Diameter Helical Nylon Tube (Bottle) Brush Single Spiral 0.01" Filament Diameter, 3" Brush Length ,8 1/2" OAL, 1/8" Diameter Shank (Used to clean fastener hole on aircraft abrasive structure prior to preparing bonding area)	ESCKB-CR5		\$	\$

EnduroSharp® C-130 Abrasion Pads

DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE	
<p>Right Handed and Left Handed Abrasive Pads are Shipped 10 units per box. Box Price: \$88.00</p>	Configuration Available:				
	BLK STK 3/16" X 3.10" Abrasive Pad - Right Handed	ESC-130-AP-RH		\$	\$
	BLK STK 3/16" X 3.10" Abrasive Pad - Left Handed	ESC-130-AP-LH		\$	\$

EnduroSharp® Abrasive Mixing Tip













DESCRIPTION	PART #	# OF UNITS	UNIT PRICE	EXTENDED PRICE
<p>Unit Price: \$1.50 (Shipped 10 per box)</p>	Configuration Available:			
	Abrasive Mixing Tip with Red Difuser	ESCKC		\$

EnduroSharp® Tooling & Kits

DESCRIPTION	PART #	# OF BOXES	UNIT PRICE	EXTENDED PRICE
<p>EnduroSharp® Standard Scraper Blade Holder Unit price (1-5 parts): \$58.00 Unit price (6+ parts): \$55.00</p>				
	ESH003		\$	\$
<p>EnduroSharp® "Pocket" Scraper Blade Holder Unit price: \$26.00</p>				
	ESSBH002		\$	\$

EnduroSharp® Product Order Sheet



EnduroSharp® Tooling & Kits continued					
EnduroSharp® Pneumatic Tool for Scraper Blades		PART #	# OF BOXES	UNIT PRICE	EXTENDED PRICE
Unit price (1-5 parts): \$785.00 Unit price (6+ parts): \$735.00		ESPT001		\$	\$
EnduroSharp® Holder Adapter for Gap Blades Unit price (1-5 parts): \$38.50 Unit price (6+ parts): \$35.00		TGBA-001		\$	\$
EnduroSharp® Scraper Blade Sharpener Unit price (1-5 parts): \$186.00 Unit price (6+ parts): \$178.00		ESSBS001		\$	\$
Deluxe EnduroSharp® Gap Blade & Holder Kit w/ Pneumatic Tool Unit price (1-5 parts) \$1115.00 Unit price (6+ parts): \$985.00		DEG007		\$	\$
Deluxe EnduroSharp® Scraper Blade & Holder Kit w/ Pneumatic Tool Unit price (1-5 parts) \$1122.00 Unit price (6+ parts): \$1022.00		DES004		\$	\$
EnduroSharp® Gap Blade & Holder Kit Unit price (1-5 parts): \$302.00 Unit price (6+ parts): \$284.00		ESGHK006		\$	\$
EnduroSharp® Scraper Blade & Holder Kit Unit Price (1-5 parts) \$325.00 Unit Price (6+ parts) \$307.00		ESSHK005		\$	\$
EnduroSharp® ABNIR, Surface Prep Kit Call for pricing		ESNSP001		\$	\$
EnduroSharp® ABNIR , "Fly Away" Compact Surface Prep Kit Call for Pricing		ESNSP-FA-002		\$	\$
EnduroSharp® C-130 Prop Hub Adhesive Removal Kit Unit price: \$18,995.00		ESC130001		\$	\$
EnduroSharp® Nutplate Abrasion Tool "NAT" Kit with Case Unit price: \$3200.00		ESNAT-1C		\$	\$
EnduroSharp® Nutplate Abrasion Tool "NAT" Kit without Case Unit price: \$3000.00		ESNAT-1NC		\$	\$

EnduroSharp® Product Order Sheet



EnduroSharp® Tooling & Kits continued					
EnduroSharp® Mandrel (Drill Mounted) Torlon® Adhesive Cutter (TAC) Kit Unit price: \$3,950.00		ESCKD008		\$	\$
EnduroSharp® Andrews Tool Torlon® Adhesive Cutter (TAC) Kit Unit price: \$2,200.00		ESCKA009		\$	\$
EnduroSharp® Ratcheted T-Handle Unit price: \$960.00		ESRTH001		\$	\$
Multi Wrench Unit price: \$58.00		TACW W-1		\$	\$
Alignment and Spindle Lock Tool Unit price: \$402.00		ATC-00531		\$	\$
EnduroSharp® Torlon® Adhesive Cutter Adapter Unit price: \$402.00		ATAC-A-1-A		\$	\$
				a) Subtotal (all rows)	\$
				b) U.S.A. military installation discount* (6% of line "a" above)	\$
				TOTAL: (line "a" minus line "b")	\$

* PPL offers an additional 6% discount directly to and only to United States Military installations that pay with a government-issued military credit card.

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Rev 21.9

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Although the Endurosharp™ Torlon® Scraper Blade tools ("TSB") and EnduroSharp® Torlon® Gap Blade tools ("TGB") have been designed to simplify and expedite the removal of materials, their applicability and effectiveness vary based upon a variety of factors including the nature of the materials being removed, the underlying substrate, the substructural components, applied pressure, etc.

IT IS STRONGLY RECOMMENDED THAT AN INITIAL TEST BE DONE USING TSB AND/OR TGB ON A NON-CRITICAL AREA, AND THAT PROPER SAFETY EQUIPMENT AND OTHER PRECAUTIONS BE USED IN CONNECTION WITH THE USE OF TSB AND/OR TGB. PPL DISCLAIMS ANY LIABILITY IN CONNECTION WITH THE USE OF TSB AND/OR TGB, AND THE ULTIMATE USER SHALL BE SOLELY RESPONSIBLE FOR ANY PROPERTY DAMAGE OR PERSONAL INJURY RESULTING

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