



Kits listed in this chart may be available or had been offered in the past by this supplier.

## Beartooth Woods Kit Bushing & Tube Refs.

**Imperial English Units Revised 7-2-2023**

Please report any additions, corrections, suggestions to:

Wayne Racinowski - IAP Library Manager  
libman (at) penturners (dot) org

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Note: All data was compiled from suppliers published kit, tube and bushing information.

Dimensions are based on Imperial English.

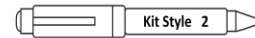
Averaged Bushing Diameter Size was used to determine Category Sizing:

Slim = (.301 - .400) Dia.

Medium = (.401 - .500) Dia.

Large = (.501 - .600) Dia.

Extra Large = (.601 - .700) Dia.



Kit Style 0 are Misc. Kit Styles

Some Kits May Require Modifying Replacement Tube Lengths.



Typical Mandrel Dia. Sizes  
A - .247 Dia. B - .291 Dia.  
Size Determined by Supplier



Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Beartooth Woods	American Patriot Screw Cap RB or FP (PSI)	Ornate Large Sized RB or FP Pens	3	10.5mm x 10 Inch Brass Tube	American Patriot FP/RB
Beartooth Woods	American Patriot Twist BP (PSI)	Ornate Medium Sized BP Pens	2	3/8 x 10 Inch Brass Tube	American Patriot Twist
Beartooth Woods	Atrax Screw Cap RB or FP - Continental Styled (Berea)	Large Sized RB or FP Pens	3	Atrax FP/RB	30A - Triton & Atrax FP/RB
Beartooth Woods	Atrax Twist BP - Continental Styled (Berea)	Large Sized BP Pens	2	Triton - Atrax Ballpoint Pen	31A - Triton & Atrax Ballpoint
Beartooth Woods	Baron Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	Reinhart - Baron - Sedona FP/RB	19A - Baron - Sedona FP - RB BP
Beartooth Woods	Blade Button Click BP (Berea)	Medium Sized Single Tube BP Pens	1	Blade	70A
Beartooth Woods	Bolt Action 30 Caliber BP - American Eagle (PSI)	Ornate Medium Sized Single Tube Bullet BP Pens	1	30 Caliber Bolt Action Rifle	30 Caliber Bolt Action Rifle
Beartooth Woods	Bolt Action 30 Caliber BP - Deer Hunter (PSI)	Ornate Medium Sized Single Tube Bullet BP Pens	1	30 Caliber Bolt Action Rifle	30 Caliber Bolt Action Rifle
Beartooth Woods	Bolt Action 30 Caliber BP - Magnum (PSI)	Large Sized Single Tube Bullet BP Pens	1	Magnum Bolt Action Rifle	Magnum Bolt Action Rifle
Beartooth Woods	Bolt Action 30 Caliber BP - Patriotic Etched (PSI)	Ornate Medium Sized Single Tube Bullet BP Pens	1	30 Caliber Bolt Action Rifle	30 Caliber Bolt Action Rifle
Beartooth Woods	Bolt Action 30 Caliber BP - Salute the Troops (PSI)	Ornate Medium Sized Single Tube Bullet BP Pens	1	30 Caliber Bolt Action Rifle	30 Caliber Bolt Action Rifle
Beartooth Woods	Bolt Action 30 Caliber BP - Statue of Liberty (PSI)	Ornate Medium Sized Single Tube Bullet BP Pens	1	30 Caliber Bolt Action Rifle	30 Caliber Bolt Action Rifle
Beartooth Woods	Bolt Action BP - Steampunk (PSI)	Ornate Large Sized Single Tube Bullet BP Pens	1	3/8 x 10 Inch Brass Tube	Steampunk Bolt Action Rifle
Beartooth Woods	Bolt Action Tec-Pen BP and Stylus (PSI)	Medium Sized Single Tube Bullet BP with Stylus	1	Tec Bolt Action Rifle	Tec Bolt Action Rifle
Beartooth Woods	Bracelet Assistant Helper (Berea)	Slim Sized Single Tube Specialty Items	0	(Berea) 5809_Tube	8A - Perfume App. - Bracelet Helper
Beartooth Woods	Breast Cancer Awareness Twist BP (Berea)	Medium Sized BP Pens and Cancer Awareness	2	7mm x 10 Inch Brass Tube	14A - Streamlined Slim - Rubber Grip
Beartooth Woods	Bullet Carbine Twist 30 Caliber BP (Berea)	Medium Sized Single Tube Bullet BP Pens	1	30 Caliber Bolt Action Rifle	53A - Carbine
Beartooth Woods	Bullet Cartridge Click 30 Caliber BP (Berea)	Medium Sized Single Tube Bullet BP Pens	2	Cartridge Bullet	26A - Cartridge Bullet - 45 Caliber



# **Beartooth Woods Kit Bushing & Tube Refs.**

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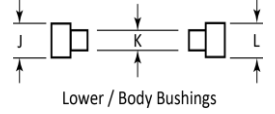
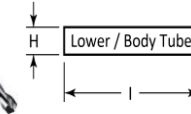
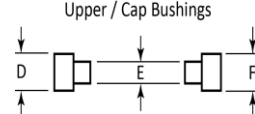
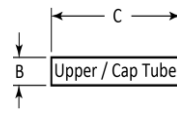
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**Tolerances - All Imperial English Units Measurements:**  
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**Use this Chart with Discretion. Manufacturers Change dimensions of parts on Occasion. It Should Only be Used as a Reference Guide. ALWAYS MEASURE AND RELY ON THE KIT PARTS FOR ACCURACY.**



Kit Supplier	Kit Description	Upper Body Tubes			Upper Body			Lower Body Tubes			Lower Body		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Beartooth Woods	American Patriot Screw Cap RB or FP (PSI)	10.5mm or Z	0.400	1.17	0.470	0.376	0.510	10.5mm or Z	0.400	2.08	0.500	0.376	0.500
Beartooth Woods	American Patriot Twist BP (PSI)	3/8 or 9.5mm	0.368	1.26	0.480	0.345	0.480	3/8 or 9.5mm	0.368	1.63	0.480	0.345	0.480
Beartooth Woods	Atrax Screw Cap RB or FP - Continental Styled (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm or Z	0.400	2.19	0.512	0.376	0.481
Beartooth Woods	Atrax Twist BP - Continental Styled (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm or Z	0.400	2.33	0.481	0.376	0.481
Beartooth Woods	Baron Screw Cap RB or FP (Berea)	12mm or 15/32	0.450	1.81	0.535	0.429	0.535	10mm or 25/64	0.385	2.09	0.482	0.357	0.482
Beartooth Woods	Blade Button Click BP (Berea)	11/32 or 8.8mm	0.338	3.70	0.434	0.316	0.434	x	x	x	x	x	x
Beartooth Woods	Bolt Action 30 Caliber BP - American Eagle (PSI)	3/8 or 9.5mm	0.368	1.97	0.466	0.345	0.466	Cartridge Like Bullet Like	x	x	x	x	x
Beartooth Woods	Bolt Action 30 Caliber BP - Deer Hunter (PSI)	3/8 or 9.5mm	0.368	1.97	0.466	0.345	0.466	Cartridge Like Bullet Like	x	x	x	x	x
Beartooth Woods	Bolt Action 30 Caliber BP - Magnum (PSI)	10mm or 25/64	0.385	2.06	0.525	0.357	0.525	Cartridge Like Bullet Like	x	x	x	x	x
Beartooth Woods	Bolt Action 30 Caliber BP - Patriotic Etched (PSI)	3/8 or 9.5mm	0.368	1.97	0.466	0.345	0.466	Cartridge Like Bullet Like	x	x	x	x	x
Beartooth Woods	Bolt Action 30 Caliber BP - Salute the Troops (PSI)	3/8 or 9.5mm	0.368	1.97	0.466	0.345	0.466	Cartridge Like Bullet Like	x	x	x	x	x
Beartooth Woods	Bolt Action 30 Caliber BP - Statue of Liberty (PSI)	3/8 or 9.5mm	0.368	1.97	0.466	0.345	0.466	Cartridge Like Bullet Like	x	x	x	x	x
Beartooth Woods	Bolt Action BP - Steampunk (PSI)	3/8 or 9.5mm	0.368	1.85	0.550	0.345	0.550	Metal Nib	x	x	x	x	x
Beartooth Woods	Bolt Action Tec-Pen BP and Stylus (PSI)	Metal Cap	x	x	x	x	x	8mm or O	0.311	2.50	0.425	0.286	0.425
Beartooth Woods	Bracelet Assistant Helper (Berea)	5/16 or 8mm	0.301	4.00	0.395	0.274	0.395	Metal Clip	x	x	x	x	x
Beartooth Woods	Breast Cancer Awareness Twist BP (Berea)	7mm or J	0.268	2.03	0.331	x	0.416	7mm or J	0.268	2.03	0.416	x	0.331
Beartooth Woods	Bullet Carbine Twist 30 Caliber BP (Berea)	3/8 or 9.5mm	0.368	1.97	0.466	0.345	0.466	Cartridge Like Bullet Like	x	x	x	x	x
Beartooth Woods	Bullet Cartridge Click 30 Caliber BP (Berea)	10mm or 25/64	0.385	2.09	0.466	0.357	0.466	Cartridge Like Bullet Like	x	x	x	x	x



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Kit Style 0 are Misc. Kit Styles

Some Kits May Require Modifying Replacement Tube Lengths.



Typical Mandrel Dia. Sizes  
A - .247 Dia. B - .291 Dia.  
Size Determined by Supplier



Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Beartooth Woods	Bullet Cartridge Click 45 Caliber BP (Berea)	Ornate Medium Sized Single Tube Bullet BP Pens	2	45 Caliber Bullet	26A - Cartridge Bullet - 45 Caliber
Beartooth Woods	Bullet Cartridge Twist 30 Caliber BP (Berea)	Medium Sized Single Tube Bullet BP Pens	2	Cartridge Bullet	26A - Cartridge Bullet - 45 Caliber
Beartooth Woods	Bullet Rifle Lever Action Click BP (Berea)	Ornate Medium Sized Single Tube BP Pens	2	Lever Action	57A - Lever Action - Fireman's
Beartooth Woods	Cambridge Screw Cap RB or FP - Hybrid (Berea)	Ornate Large Sized RB or FP Pens	3	El Grande - Churchill - Cambridge FP/RB	16B - El Grande - Churchill - Cambridge
Beartooth Woods	Cambridge Screw Cap RB or FP (Berea)	Ornate Large Sized RB or FP Pens	3	El Grande - Churchill - Cambridge FP/RB	16B - El Grande - Churchill - Cambridge
Beartooth Woods	Carbara Twist BP - Atlas Styled (Berea)	Medium Sized Single Tube BP Pens	1	Carbara	16A - Carbara
Beartooth Woods	Churchill Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	El Grande - Churchill - Cambridge FP/RB	16B - El Grande - Churchill - Cambridge
Beartooth Woods	Cigar Click Pencil .5mm (Berea)	Large Sized Pencils	2	Cigar Pen/Pencil	11A - Cigar - 19B
Beartooth Woods	Cigar Holder - Humidor - Rogue (Berea)	Extra Large Sized Specialty Items	0	Rogue Cigar Holder	43A - Rogue Cigar Holder
Beartooth Woods	Cigar Holder - Humidor - Rogue Plus (Berea)	Extra Large Sized Specialty Items	0	Rogue Plus Cigar Holder	46A - Rogue Plus Cigar Holder
Beartooth Woods	Cigar Twist BP - Bowtie (Berea)	Large Sized BP Pens	2	Cigar Pen & Boy (Modify)	22A
Beartooth Woods	Cigar Twist BP - Hybrid (Berea)	Large Sized BP Pens	2	Cigar Pen/Pencil	11A - Cigar - 19B
Beartooth Woods	Cigar Twist BP - Ultra (Berea)	Large Sized BP Pens	2	Cigar Pen/Pencil	11A - Cigar - 19B
Beartooth Woods	Cigar Twist BP (Berea)	Large Sized BP Pens	2	Cigar Pen/Pencil	11A - Cigar - 19B
Beartooth Woods	Credit Card Twist BP - Mini (PSI)	Slim Sized BP Pens	2	Credit Card	1A - Slim - Fancy Slim - Slim Bullet
Beartooth Woods	Crochet Hook Set - Interchangeable (PSI)	Medium Sized Single Tube Specialty Items	0	PKSR1TU	PKSRBU
Beartooth Woods	Cuff Links (???)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Cushion Grip Click BP (Berea)	Slim Sized BP Pens	2	Modify Tetra or 8mm Euro	15B



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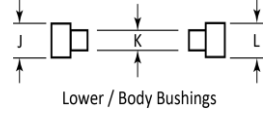
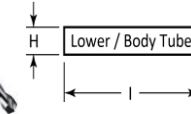
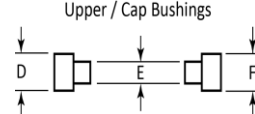
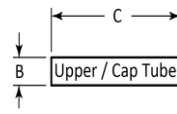
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Kit Supplier	Kit Description	Upper Body Tubes			Upper Body			Lower Body Tubes			Lower Body		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Beartooth Woods	Bullet Cartridge Click 45 Caliber BP (Berea)	Metal Cap Metal Nib	x	x	x	x	x	10mm or 25/64	0.385	1.60	0.466	0.357	0.466
Beartooth Woods	Bullet Cartridge Twist 30 Caliber BP (Berea)	10mm or 25/64	0.385	2.09	0.466	0.357	0.466	Cartridge Like Bullet Like	x	x	x	x	x
Beartooth Woods	Bullet Rifle Lever Action Click BP (Berea)	Metal Cap	x	x	x	x	x	10mm or 25/64	0.385	1.84	0.455	0.357	0.455
Beartooth Woods	Cambridge Screw Cap RB or FP - Hybrid (Berea)	33/64 or 13.2mm	0.510	1.69	0.590	0.494	0.590	31/64 or 12.3mm	0.470	1.97	0.536	0.450	0.536
Beartooth Woods	Cambridge Screw Cap RB or FP (Berea)	33/64 or 13.2mm	0.510	1.69	0.590	0.494	0.590	31/64 or 12.3mm	0.470	1.97	0.536	0.450	0.536
Beartooth Woods	Carbara Twist BP - Atlas Styled (Berea)	3/8 or 9.5mm	0.368	2.84	0.510	0.345	0.452	x	x	x	x	x	x
Beartooth Woods	Churchill Screw Cap RB or FP (Berea)	33/64 or 13.2mm	0.510	1.69	0.590	0.494	0.590	31/64 or 12.3mm	0.470	1.97	0.536	0.450	0.536
Beartooth Woods	Cigar Click Pencil .5mm (Berea)	10mm or 25/64	0.385	1.91	0.475	0.357	0.575	10mm or 25/64	0.385	2.06	0.530	0.357	0.459
Beartooth Woods	Cigar Holder - Humidor - Rogue (Berea)	53/64 or 21mm	0.815	2.37	0.915	0.788	0.915	53/64 or 21mm	0.815	4.15	0.915	0.788	0.915
Beartooth Woods	Cigar Holder - Humidor - Rogue Plus (Berea)	7/8 or 22.3mm	?	2.37	1.120	?	1.120	7/8 or 22.3mm	?	4.15	1.120	?	1.120
Beartooth Woods	Cigar Twist BP - Bowtie (Berea)	10mm or 25/64	0.385	1.91	0.475	0.357	0.554	10mm or 25/64	0.385	2.20	0.456	0.357	0.456
Beartooth Woods	Cigar Twist BP - Hybrid (Berea)	10mm or 25/64	0.385	1.91	0.475	0.357	0.575	10mm or 25/64	0.385	2.09	0.530	0.357	0.459
Beartooth Woods	Cigar Twist BP - Ultra (Berea)	10mm or 25/64	0.385	1.91	0.475	0.357	0.575	10mm or 25/64	0.385	2.09	0.530	0.357	0.459
Beartooth Woods	Cigar Twist BP (Berea)	10mm or 25/64	0.385	1.91	0.475	0.357	0.575	10mm or 25/64	0.385	2.09	0.530	0.357	0.459
Beartooth Woods	Credit Card Twist BP - Mini (PSI)	7mm or J	0.268	1.50	0.331	x	0.331	7mm or J	0.268	1.50	0.331	x	0.331
Beartooth Woods	Crochet Hook Set - Interchangeable (PSI)	8mm or O	0.311	3.13	0.430	0.286	0.375	Sewing	x	x	x	x	x
Beartooth Woods	Cuff Links (???)	Cuff Link Hardware	x	x	x	x	x	x	x	1.00 to 2.00	x	x	x
Beartooth Woods	Cushion Grip Click BP (Berea)	8mm or O	0.311	2.09	0.373	0.286	0.373	8mm or O	0.311	1.98	x	0.286	x



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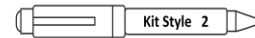
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Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Beartooth Woods	Dog Click BP (PSI)	Ornate Medium Sized Single Tube BP Pens	1	3/8 x 10 Inch Brass Tube	PSI Dog Pen
Beartooth Woods	EL Grande Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	El Grande - Churchill - Cambridge FP/RB	16B - El Grande - Churchill - Cambridge
Beartooth Woods	EL Grande Twist Cap BP or Pencil (Berea)	Large Sized BP Pens and Pencils	2	El Grande Pen/Pencil	16B - El Grande - Churchill - Cambridge
Beartooth Woods	Electra Screw Cap RB or FP (Berea)	Large Sized Single Tube RB or FP Pens	3	Electra FP/RB	29A - Electra FP/RB
Beartooth Woods	Electra Twist BP (Berea)	Medium Sized Single Tube BP Pens	2	3/8 x 10 Inch Brass Tube	37A - Electra Ballpoint
Beartooth Woods	European 7mm Twist BP (Berea)	Medium Sized BP Pens	2	7mm Euro	10A - WC Style 7mm Euro
Beartooth Woods	Firemans Lever Click BP (Berea)	Ornate Medium Sized Single Tube BP Pens	2	Fireman's Pen	57A - Lever Action - Fireman's
Beartooth Woods	Flashlight - LED (Berea)	Large Sized Single Tube Misc. Items	0	LED Flashlight	41A - LED Flashlight
Beartooth Woods	Flat Top American Twist BP - Hybrid (Berea)	Medium Sized BP Pens	2	Flat Top Pen/Pencil	1B - Flat Top Pen/Pencil
Beartooth Woods	Flat Top American Twist BP (Berea)	Medium Sized BP Pens	2	Flat Top Pen/Pencil	1B - Flat Top Pen/Pencil
Beartooth Woods	Flat Top Pencil .7mm (Berea)	Medium Sized Pencils	2	Flat Top Pen/Pencil	1B - Flat Top Pen/Pencil
Beartooth Woods	Flat Top Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	Flat Top - Round Top FP/RB	2B - Flat Top FP/RB
Beartooth Woods	Game Call - Duck (STAT)	Extra Large No Tube Misc. Items	0	x	HP3600 Bushings
Beartooth Woods	Geta Twist BP (Berea)	Medium Sized Single Tube BP Pens	2	Geta	66A - Geta
Beartooth Woods	Glacia Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	Glacia	55A - Glacia
Beartooth Woods	Himalayan Twist BP (???)	Ornate Medium Sized Single Tube BP Pens	1	Himalayan	916A - Himalayan & Loki BP
Beartooth Woods	Hymark Marker Holder - Sharpie (Berea)	Extra Large Style Tools and Utility Items	3	Hymark	44A
Beartooth Woods	Key Ring - 223 Nickel - Real Bullet (???)	No Tube Required - Ready to Assemble	0	x	x



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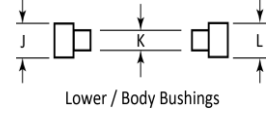
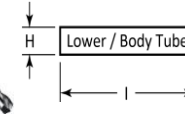
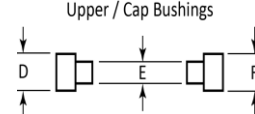
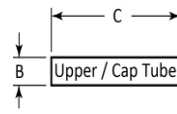
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Beartooth Woods	Dog Click BP (PSI)	3/8 or 9.5mm	0.368	3.31	0.495	0.345	0.495	x	x	x	x	x	x
Beartooth Woods	EL Grande Screw Cap RB or FP (Berea)	33/64 or 13.2mm	0.510	1.69	0.590	0.494	0.590	31/64 or 12.3mm	0.470	1.97	0.536	0.450	0.536
Beartooth Woods	EL Grande Twist Cap BP or Pencil (Berea)	33/64 or 13.2mm	0.510	1.69	0.590	0.494	0.590	31/64 or 12.3mm	0.470	1.97	0.536	0.450	0.536
Beartooth Woods	Electra Screw Cap RB or FP (Berea)	Metal Cap	x	x	x	x	x	10.5mm or Z	0.400	2.81	0.512	0.376	0.481
Beartooth Woods	Electra Twist BP (Berea)	Metal Cap	x	x	x	x	x	10.5mm or Z	0.400	2.32	0.481	0.376	0.481
Beartooth Woods	European 7mm Twist BP (Berea)	7mm or J	0.268	2.09	0.408	x	0.511/0.408	7mm or J	0.268	2.36	0.425	x	0.360
Beartooth Woods	Firemans Lever Click BP (Berea)	Metal Cap	x	x	x	x	x	10mm or 25/64	0.385	1.89	0.455	0.357	0.455
Beartooth Woods	Flashlight - LED (Berea)	33/64 or 13.2mm	0.510	?	?	0.494	?	x	x	x	x	x	x
Beartooth Woods	Flat Top American Twist BP - Hybrid (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	8mm or O	0.311	2.01	0.388	0.286	0.388
Beartooth Woods	Flat Top American Twist BP (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	8mm or O	0.311	2.01	0.388	0.286	0.388
Beartooth Woods	Flat Top Pencil .7mm (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	8mm or O	0.311	2.01	0.388	0.286	0.388
Beartooth Woods	Flat Top Screw Cap RB or FP (Berea)	3/8 or 9.5mm	0.368	1.98	0.488	0.345	0.488	3/8 or 9.5mm	0.368	1.98	0.453	0.345	0.453
Beartooth Woods	Game Call - Duck (STAT)	5/8 or 16mm	x	3.50 to 4.00	1.000	0.375	1.000	x	x	x	x	x	x
Beartooth Woods	Geta Twist BP (Berea)	Metal Cap	x	x	x	x	x	8mm or O	0.311	1.89	0.389	0.286	0.389
Beartooth Woods	Glacia Twist BP (Berea)	11/32 or 8.8mm	0.338	2.56	0.465	0.316	0.433	x	x	x	x	x	x
Beartooth Woods	Himalayan Twist BP (???)	3/8 or 9.5mm	0.368	?	0.493	0.345	0.493	x	x	x	x	x	x
Beartooth Woods	Hymark Marker Holder - Sharpie (Berea)	19/32 or 15mm	0.580	1.67	0.656	0.561	0.656	14mm	0.539	3.35	0.656	0.519	0.656
Beartooth Woods	Key Ring - 223 Nickel - Real Bullet (???)	Real Cartridge Real Bullet	x	x	x	x	x	x	x	x	x	x	x





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## Beartooth Woods Kit Bushing & Tube Refs.

**Imperial English Units Revised 7-2-2023**

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libman (at) penturners (dot) org

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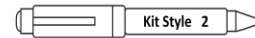
Averaged Bushing Diameter Size was used to determine Category Sizing:

Slim = (.301 - .400) Dia.

Medium = (.401 - .500) Dia.

Large = (.501 - .600) Dia.

Extra Large = (.601 - .700) Dia.



Kit Style 0 are Misc. Kit Styles

Some Kits May Require Modifying Replacement Tube Lengths.



Typical Mandrel Dia. Sizes  
A - .247 Dia. B - .291 Dia.  
Size Determined by Supplier



Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Beartooth Woods	Key Ring - 308 Nickel - Real Bullet (???)	No Tube Required - Ready to Assemble	0	x	x
Beartooth Woods	Key Ring - 40 S&W Nickel - Real Bullet (???)	No Tube Required - Ready to Assemble	0	x	x
Beartooth Woods	Key Ring - 45 ACP - Real Bullet (???)	No Tube Required - Ready to Assemble	0	x	x
Beartooth Woods	Key Ring - 50 AE Brass - Real Bullet (???)	No Tube Required - Ready to Assemble	0	x	x
Beartooth Woods	Key Ring - 9mm Nickel - Real Bullet (???)	No Tube Required - Ready to Assemble	0	x	x
Beartooth Woods	Key Ring - Cigar Punch (PSI)	Medium Sized Single Tube Misc. Items	0	7mm x 10 Inch Brass Tube	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Key Ring - Detachable (Berea)	Medium Sized Single Tube Specialty Items	0	7mm x 10 Inch Brass Tube	2A - Detachable Keychain
Beartooth Woods	Key Ring - Shotgun Shell (Berea)	Large Sized Single Tube Bullet Items	0	x	27A - Shotgun Shell Keychain
Beartooth Woods	Key Ring - Toothpick Holder (Berea)	Medium Sized Single Tube Misc. Items	0	x	13A - Tooth Pick Holder - Keyring
Beartooth Woods	Key Ring - Whistle (Berea)	Slim Sized Single Tube Misc. Items	0	7mm x 10 Inch Brass Tube	1A - Slim - Fancy Slim - Slim Bullet
Beartooth Woods	Kitchenware - Bottle Opener (Berea)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Kitchenware - Coffee Scoop (Berea)	Large Sized Single Tube Misc. Items	0	7mm x 10 Inch Brass Tube	24A
Beartooth Woods	Kitchenware - Ice Cream Scoop (Savannah)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Kitchenware - Jar Opener (Berea)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Kitchenware - Napkin Rings (Berea)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Kitchenware - Pizza Cutter - Premium (Berea)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Kitchenware - T-Handle Corkscrew (PSI)	Large Sized Misc. Items	2	7mm x 10 Inch Brass Tube	BS6-BU



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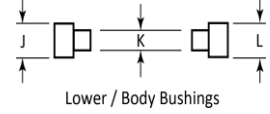
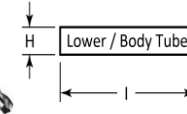
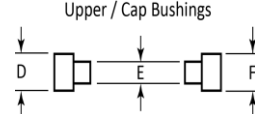
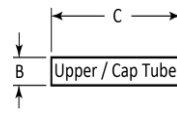
Imperial English Units Revised 7-2-2023

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Tolerances - All Imperial English Units Measurements:  
2 - Place Dims +/- .01 & 3 - Place Dims +/- .005



Use this Chart with Discretion. Manufacturers Change dimensions of parts on Occasion. It Should Only be Used as a Reference Guide.  
**ALWAYS MEASURE AND RELY ON THE KIT PARTS FOR ACCURACY.**

Kit Supplier	Kit Description	Upper Body Tubes			Upper Body			Lower Body Tubes			Lower Body		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Beartooth Woods	Key Ring - 308 Nickel - Real Bullet (???)	Real Cartridge Real Bullet	x	x	x	x	x	x	x	x	x	x	x
Beartooth Woods	Key Ring - 40 S&W Nickel - Real Bullet (???)	Real Cartridge Real Bullet	x	x	x	x	x	x	x	x	x	x	x
Beartooth Woods	Key Ring - 45 ACP - Real Bullet (???)	Real Cartridge Real Bullet	x	x	x	x	x	x	x	x	x	x	x
Beartooth Woods	Key Ring - 50 AE Brass - Real Bullet (???)	Real Cartridge Real Bullet	x	x	x	x	x	x	x	x	x	x	x
Beartooth Woods	Key Ring - 9mm Nickel - Real Bullet (???)	Real Cartridge Real Bullet	x	x	x	x	x	x	x	x	x	x	x
Beartooth Woods	Key Ring - Cigar Punch (PSI)	7mm or J	0.268	1.69	0.474	x	0.474	Metal Cap	x	x	x	x	x
Beartooth Woods	Key Ring - Detachable (Berea)	7mm or J	0.268	1.85	0.425	x	0.425	x	x	x	x	x	x
Beartooth Woods	Key Ring - Shotgun Shell (Berea)	45/64 or 18mm	?	?	?	?	?	x	x	x	x	x	x
Beartooth Woods	Key Ring - Toothpick Holder (Berea)	7/16 or 11.2mm	0.415	2.28	0.492	0.389	0.492	x	x	x	x	x	x
Beartooth Woods	Key Ring - Whistle (Berea)	7mm or J	0.268	?	0.331	x	0.331	x	x	x	x	x	x
Beartooth Woods	Kitchenware - Bottle Opener (Berea)	Metal Opener	x	x	x	x	x	5/16 or 11/32	1.50	5.00 to 7.00	x	x	x
Beartooth Woods	Kitchenware - Coffee Scoop (Berea)	Metal Scoop	x	x	x	x	x	7mm or J	0.268	?	?	x	?
Beartooth Woods	Kitchenware - Ice Cream Scoop (Savannah)	Metal Scoop	x	x	x	x	x	5/16 or 8mm	x	5.00 to 6.00	x	x	x
Beartooth Woods	Kitchenware - Jar Opener (Berea)	Metal Opener	x	x	x	x	x	5mm & 5/16	x	5.00 to 7.00	x	x	x
Beartooth Woods	Kitchenware - Napkin Rings (Berea)	1-3/16 or 30mm	x	0.50 to 1.50	x	x	x	x	x	x	x	x	x
Beartooth Woods	Kitchenware - Pizza Cutter - Premium (Berea)	Metal Cutter	x	x	x	x	x	12.5mm or 0.492	x	5.00 to 6.00	x	x	x
Beartooth Woods	Kitchenware - T-Handle Corkscrew (PSI)	7mm or J	0.268	1.25	0.390	x	0.600	7mm or J	0.268	1.25	0.600	x	0.390





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## Beartooth Woods Kit Bushing & Tube Refs.

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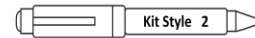
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Kit Style 0 are Misc. Kit Styles

Some Kits May Require Modifying Replacement Tube Lengths.



Typical Mandrel Dia. Sizes  
A - .247 Dia. B - .291 Dia.  
Size Determined by Supplier



Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Beartooth Woods	Letter Opener - Cigar (Berea)	Large Sized Single Tube Letter Openers	0	Cigar Pen - Pencil	11A - Cigar - 19B
Beartooth Woods	Letter Opener - Flat Top American Straight (Berea)	Medium Sized Single Tube Letter Openers	0	Flat Top Pen/Pencil	1B - Flat Top Pen or Pencil
Beartooth Woods	Letter Opener - Flat Top American Wavy (Berea)	Medium Sized Single Tube Letter Openers	0	Flat Top Pen - Pencil	1B - Flat Top Pen or Pencil
Beartooth Woods	Letter Opener - Round Top 7mm Euro Straight (Berea)	Medium Sized Single Tube Letter Openers	0	7mm Euro	10A - WC Style 7mm Euro
Beartooth Woods	Letter Opener - Round Top 8mm Euro Wavy (Berea)	Large Sized Single Tube Letter Openers	0	Flat Top Pen/Pencil	3B
Beartooth Woods	Letter Opener - Sierra Wavy (Berea)	Medium Sized Single Tube Letter Openers	0	Sierra - Vista - Elegant - Virage Pen	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Lever Action Rifle Click BP (Berea)	Ornate Medium Sized Single Tube BP Pens	2	Lever Action	57A - Lever Action - Fireman's
Beartooth Woods	Light Pull (Berea)	Slim Sized Single Tube Misc. Items	0	LP-01_Tube	1A - Slim - Fancy Slim - Slim Bullet
Beartooth Woods	Loki Twist BP (???)	Medium Sized Single Tube BP Pens	1	Loki	916A - Himalayan & Loki BP
Beartooth Woods	Long Boy Button Click BP (Berea)	Medium Sized BP Pens	2	Long Boy Button Click	49A - Long Boy Button Click
Beartooth Woods	Majestic Jr Screw Cap RB or FP (PSI)	Large Sized RB or FP Pens	3	Majestic Jr FP/RB	Majestic Jr FP/RB
Beartooth Woods	Majestic Screw Cap RB or FP (PSI)	Extra Large Sized RB or FP Pens	3	Majestic FP/RB	Majestic FP/RB
Beartooth Woods	Motorcycle Twist BP (Berea)	Ornate Medium Sized Single Tube BP Pens	2	Motorcycle Ballpoint Pen	59A - Motorcycle
Beartooth Woods	MP208 Magnetic Cap RB & FP (Berea)	Medium Sized RB or FP Pens	3	MP208 Magnetic Pen	69A - MP208 Magnetic Pen
Beartooth Woods	Needle Threader Assistant (PSI)	Medium Sized Single Tube Specialty Items	0	PKSR2TU	PKSRBU
Beartooth Woods	Nevus Twist BP V2 (Berea)	Medium Sized BP Pens	2	NEVUS Tubes	9A & 15A
Beartooth Woods	New Series Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	New Series FP/RB	35A - New Series FP / RB



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**Imperial English Units Revised 7-2-2023**

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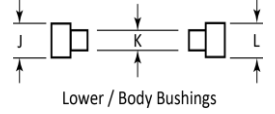
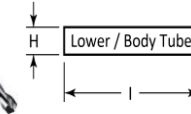
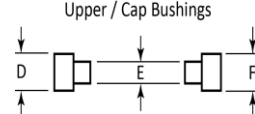
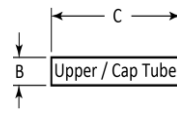
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Kit Supplier	Kit Description	Upper Body Tubes			Upper Body			Lower Body Tubes			Lower Body		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Beartooth Woods	Letter Opener - Cigar (Berea)	10mm or 25/64	0.385	1.91	0.475	0.357	0.575	Opener Blade	x	x	x	x	x
Beartooth Woods	Letter Opener - Flat Top American Straight (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	Opener Blade	x	x	x	x	x
Beartooth Woods	Letter Opener - Flat Top American Wavy (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	Opener Blade	x	x	x	x	x
Beartooth Woods	Letter Opener - Round Top 7mm Euro Straight (Berea)	7mm or J	0.268	2.09	0.405	x	0.408	Opener Blade	x	x	x	x	x
Beartooth Woods	Letter Opener - Round Top 8mm Euro Wavy (Berea)	8mm or O	0.311	2.01	0.410	0.286	0.550	Opener Blade	x	x	x	x	x
Beartooth Woods	Letter Opener - Sierra Wavy (Berea)	27/64 or 10.7mm	0.410	2.21	0.474	0.381	0.474	Opener Blade	x	x	x	x	x
Beartooth Woods	Lever Action Rifle Click BP (Berea)	Metal Cap	x	x	x	x	x	10mm or 25/64	0.385	1.84	0.455	0.357	0.455
Beartooth Woods	Light Pull (Berea)	7mm or J	0.268	2.75	0.331	x	0.331	x	x	x	x	x	x
Beartooth Woods	Loki Twist BP (???)	3/8 or 9.5mm	0.368	?	0.493	0.345	0.493	x	x	x	x	x	x
Beartooth Woods	Long Boy Button Click BP (Berea)	10mm or 25/64	0.385	1.69	0.451	0.357	0.451	10mm or 25/64	0.385	2.25	0.451	0.357	0.451
Beartooth Woods	Majestic Jr Screw Cap RB or FP (PSI)	12.5mm or 0.492	0.483	1.88	0.551	0.460	0.575	10.5mm or Z	0.400	2.03	0.516	0.376	0.516
Beartooth Woods	Majestic Screw Cap RB or FP (PSI)	37/64 or 14.7mm	0.571	1.97	0.650	0.547	0.650	15/32 or 12mm	0.450	2.15	0.598	0.427	0.570
Beartooth Woods	Motorcycle Twist BP (Berea)	Metal Cap	x	x	x	x	x	10mm or 25/64	0.385	2.22	0.455	0.357	0.455
Beartooth Woods	MP208 Magnetic Cap RB & FP (Berea)	Metal Cap	x	x	x	x	x	3/8 or 9.5mm	0.368	?	0.433	0.345	0.433
Beartooth Woods	Needle Threader Assistant (PSI)	8mm or O	0.311	3.13	0.430	0.286	0.430	Sewing	x	x	x	x	x
Beartooth Woods	Nexus Twist BP V2 (Berea)	O & S	x	?	?	x	?	11 & 29	x	?	?	x	?
Beartooth Woods	New Series Screw Cap RB or FP (Berea)	3/8 or 9.5mm	0.368	1.83	0.488	0.345	0.488	3/8 or 9.5mm	0.368	2.09	0.453	0.345	0.453



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Some Kits May Require Modifying Replacement Tube Lengths.



Typical Mandrel Dia. Sizes  
A - .247 Dia. B - .291 Dia.  
Size Determined by Supplier



Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Beartooth Woods	New Series Twist BP (Berea)	Medium Sized BP Pens	2	New Series - Round Top - (8mm Euro)	34A - New Series Ballpoint
Beartooth Woods	Olmsted Twist BP (Berea)	Medium Sized BP Pens	2	Olmsted	63A - Olmsted Bushings
Beartooth Woods	Pensar Twist BP - Sierra Styled (Berea)	Ornate Medium Sized BP Pens	2	Pensar	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Perfect Fit Convertable BP and Pencil (Berea)	Medium Sized BP Pens and Pencils	2	Perfect Fit	47A - Perfect Fit - 14B
Beartooth Woods	Perfume Applicator Pen (Berea)	Slim Sized Specialty Items	0	x	8A - Perfume App. - Bracelet Helper
Beartooth Woods	Perfume Atomizer (Berea)	Extra Large Sized Specialty Items	0	Modify Hymark	12A - Perfume Sprayer
Beartooth Woods	Policeman Click BP (Berea)	Ornate Medium Sized Single Tube BP Pens	2	Policeman's	62A - Policeman's
Beartooth Woods	Razor - Fusion Cartridges - Standard (PSI)	Medium Sized Single Tube Shaving Accessories	0	Safety Razor	Safety Razor
Beartooth Woods	Razor - Fusion Cartridges (Berea)	Large Sized Single Tube Shaving Accessories	0	Razor Kit	28A - Razor Kit
Beartooth Woods	Razor - Mach 3 Cartridges (Berea)	Large Sized Single Tube Shaving Accessories	0	Razor Kit	28A - Razor Kit
Beartooth Woods	Razor - Safety (PSI)	Medium Sized Single Tube Shaving Accessories	0	Safety Razor	Safety Razor
Beartooth Woods	Razor & Brush Stand - Elegant (Berea)	Large Sized Single Tube Shaving Accessories	0	7mm x 10 Inch Brass Tube	33A
Beartooth Woods	Real Bullet Cartridge 30-06 Caliber Twist BP (BTW)	Medium Sized Single Tube Bullet BP Pens	2	Slim - Streamlined Slim Pen	308/30-06 - Real Cartridge
Beartooth Woods	Real Bullet Cartridge 308 or 30-06 Caliber Twist BP (BTW)	Medium Sized Single Tube Bullet BP Pens	2	Slim - Streamlined Slim Pen	308/30-06 - Real Cartridge
Beartooth Woods	Retro Twist BP - Provincial (Berea)	Medium Sized BP Pens	2	Perfect Fit	9A - Retro Pen
Beartooth Woods	Rinehart Screw Cap RB or FP - Reinhart (Berea)	Large Sized RB or FP Pens	3	Reinhart - Baron - Sedona FP/RB	19A - Baron - Sedona FP-RB-BP
Beartooth Woods	Rinehart Twist BP - Reinhart (Berea)	Large Sized BP Pens	2	Reinhart Ballpoint	19A - Baron - Sedona FP-RB-BP



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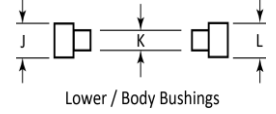
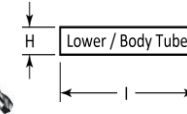
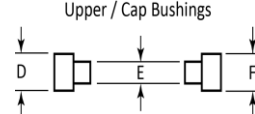
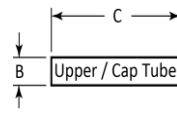
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Tolerances - All Imperial English Units Measurements:  
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**ALWAYS MEASURE AND RELY ON THE KIT PARTS FOR ACCURACY.**

Kit Supplier	Kit Description	Upper Body Tubes			Upper Body			Lower Body Tubes			Lower Body		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Beartooth Woods	New Series Twist BP (Berea)	8mm or O	0.311	2.01	0.490	0.286	0.490	8mm or O	0.311	2.36	0.390	0.286	0.390
Beartooth Woods	Olmsted Twist BP (Berea)	8mm or O	0.311	1.91	0.426	0.286	0.494	8mm or O	0.311	2.09	0.454	0.286	0.417
Beartooth Woods	Pensar Twist BP - Sierra Styled (Berea)	27/64 or 10.7mm	0.410	0.96	0.474	0.381	0.474	27/64 or 10.7mm	0.410	0.96	0.474	0.381	0.474
Beartooth Woods	Perfect Fit Convertable BP and Pencil (Berea)	11/32 or 8.8mm	0.338	2.13	0.462	0.316	0.542	8mm or O	0.311	2.36	0.467	0.286	0.367
Beartooth Woods	Perfume Applicator Pen (Berea)	5/16 or 8mm	0.301	0.97	0.395	0.274	0.395	5/16 or 8mm	0.301	2.91	0.395	0.274	0.395
Beartooth Woods	Perfume Atomizer (Berea)	19/32 or 15mm	0.580	0.98	0.656	0.561	0.656	19/32 or 15mm	0.580	1.60	0.656	0.561	0.656
Beartooth Woods	Policeman Click BP (Berea)	Metal Cap	x	x	x	x	x	3/8 or 9.5mm	0.368	2.11	0.446	0.345	0.446
Beartooth Woods	Razor - Fusion Cartridges - Standard (PSI)	7mm or J	0.268	3.00	0.400	x	0.400	Razor Head	x	x	x	x	x
Beartooth Woods	Razor - Fusion Cartridges (Berea)	7mm or J	0.268	2.56	0.545	x	0.545	Razor Head	x	x	x	x	x
Beartooth Woods	Razor - Mach 3 Cartridges (Berea)	7mm or J	0.268	2.56	0.545	x	0.545	Razor Head	x	x	x	x	x
Beartooth Woods	Razor - Safety (PSI)	7mm or J	0.268	3.00	0.400	x	0.400	Razor Head	x	x	x	x	x
Beartooth Woods	Razor & Brush Stand - Elegant (Berea)	7mm or J	0.268	3.25	0.530	x	0.530	Razor Stand	x	x	x	x	x
Beartooth Woods	Real Bullet Cartridge 30-06 Caliber Twist BP (BTW)	7mm or J	0.268	2.09	0.419	x	0.331	Real Cartridge Real Bullet	x	x	x	x	x
Beartooth Woods	Real Bullet Cartridge 308 or 30-06 Caliber Twist BP (BTW)	7mm or J	0.268	2.09	0.419	x	0.331	Real Cartridge Real Bullet	x	x	x	x	x
Beartooth Woods	Retro Twist BP - Provincial (Berea)	11/32 or 8.8mm	0.338	1.18	0.413	0.316	0.413	11/32 or 8.8mm	0.338	1.48	0.413	0.316	0.413
Beartooth Woods	Rinehart Screw Cap RB or FP - Reinhart (Berea)	12mm or 15/32	0.450	1.81	0.535	0.429	0.535	10mm or 25/64	0.385	2.09	0.482	0.357	0.482
Beartooth Woods	Rinehart Twist BP - Reinhart (Berea)	12mm or 15/32	0.450	1.81	0.535	0.429	0.535	10mm or 25/64	0.385	2.33	0.482	0.357	0.482



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## Beartooth Woods Kit Bushing & Tube Refs.

**Imperial English Units Revised 7-2-2023**

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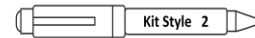
**Averaged Bushing Diameter Size was used to determine Category Sizing:**

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**Large = (.501 - .600) Dia.**

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Kit Style 0 are Misc. Kit Styles

Some Kits May Require  
Modifying Replacement  
Tube Lengths.



Typical Mandrel Dia. Sizes  
A - .247 Dia. B - .291 Dia.  
Size Determined by Supplier



Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Beartooth Woods	Round Top 7mm European Twist BP (Berea)	Medium Sized BP Pens	2	Slim - Streamlined Slim and Razor Kit	10A - WC Style 7mm Euro
Beartooth Woods	Round Top 7mm Twist BP - Streamline (Berea)	Medium Sized BP Pens	2	Streamlined 7mm Round Top	18A - Streamlined Round Top 7mm
Beartooth Woods	Round Top 8mm European Twist BP (Berea)	Large Sized BP Pens	2	New Series - Round Top - (8mm Euro)	3B - RT (8mm Euro) Pen or Pencil
Beartooth Woods	Round Top 8mm European Twist Pencil .7mm (Berea)	Large Sized Pencils	2	New Series - Round Top - (8mm Euro)	3B - RT (8mm Euro) Pen or Pencil
Beartooth Woods	Round Top Euro Streamline Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	Flat Top - Round Top FP/RB	8B - RT (8mm Euro) FP or RB
Beartooth Woods	Round Top European Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	Flat Top - Round Top FP/RB	8B - RT (8mm Euro) FP or RB
Beartooth Woods	Seam Ripper - Dual Blade or 2 in 1 Large Blade (PSI)	Medium Sized Single Tube Specialty Items	0	PSI Seam Ripper Single Small Blade	PSI Seam Ripper
Beartooth Woods	Seam Ripper - Necklace Small Blade (PSI)	Medium Sized Single Tube Specialty Items	0	PSI Seam Ripper Large/Small Blade	PSI Seam Ripper
Beartooth Woods	Seam Ripper - Single Blade or Stiletto (PSI)	Medium Sized Single Tube Specialty Items	0	PSI Seam Ripper	PSI Seam Ripper
Beartooth Woods	Seam Ripper (Berea)	Medium Sized Single Tube Specialty Items	0	PSI Seam Ripper	36A - Beria Seam Ripper
Beartooth Woods	Sedona Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	Reinhart - Baron - Sedona FP/RB	19A - Baron - Sedona FP-RB-BP
Beartooth Woods	Sierra Button Click BP (Berea)	Medium Sized Single Tube BP Pens	1	Sierra Button Click Pen	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Sierra Click BP - Elegant Beauty (Berea)	Medium Sized Single Tube BP Pens	1	Elegant Beauty Click - Super Button Click	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Sierra Click Pencil .7mm (Berea)	Medium Sized Single Tube Pencils	1	Sierra Button Click Pencil	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Sierra Super Button Click BP (Berea)	Medium Sized Single Tube BP Pens	1	Elegant Beauty Click - Super Button Click	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Sierra Twist BP - Diverse (Berea)	Medium Sized Single Tube BP Pens	1	Diverse Pen	68A - Diverse



# **Beartooth Woods Kit Bushing & Tube Refs.**

**Imperial English Units Revised 7-2-2023**

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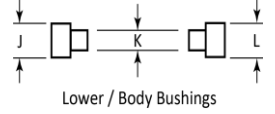
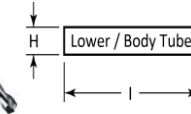
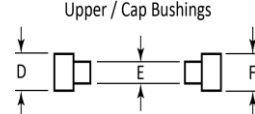
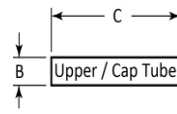
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Kit Supplier	Kit Description	Upper Body Tubes			Upper Body			Lower Body Tubes			Lower Body		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Beartooth Woods	Round Top 7mm European Twist BP (Berea)	7mm or J	0.268	2.09	0.406	x	0.515/0.412	7mm or J	0.268	2.36	0.425	x	0.360
Beartooth Woods	Round Top 7mm Twist BP - Streamline (Berea)	7mm or J	0.268	2.09	0.411	x	0.415	7mm or J	0.268	2.21	0.418	x	0.331
Beartooth Woods	Round Top 8mm European Twist BP (Berea)	8mm or O	0.311	2.01	0.410	0.286	0.550/0.311	8mm or O	0.311	2.37	0.471	0.286	0.351
Beartooth Woods	Round Top 8mm European Twist Pencil .7mm (Berea)	8mm or O	0.311	2.01	0.410	0.286	0.550/0.311	8mm or O	0.311	2.37	0.471	0.286	0.351
Beartooth Woods	Round Top Euro Streamline Screw Cap RB or FP (Berea)	3/8 or 9.5mm	0.368	1.98	0.440	0.345	0.525/0.368	3/8 or 9.5mm	0.368	1.98	0.449	0.345	0.449
Beartooth Woods	Round Top European Screw Cap RB or FP (Berea)	3/8 or 9.5mm	0.368	1.98	0.440	0.345	0.525/0.368	3/8 or 9.5mm	0.368	1.98	0.449	0.345	0.449
Beartooth Woods	Seam Ripper - Dual Blade or 2 in 1 Large Blade (PSI)	8mm or O	0.311	3.13	0.430	0.286	0.430	Sewing	x	x	x	x	x
Beartooth Woods	Seam Ripper - Necklace Small Blade (PSI)	8mm or O	0.311	2.25	0.375	0.286	0.430	Sewing	x	x	x	x	x
Beartooth Woods	Seam Ripper - Single Blade or Stiletto (PSI)	8mm or O	0.311	3.13	0.375	0.286	0.430	Sewing	x	x	x	x	x
Beartooth Woods	Seam Ripper (Berea)	8mm or O	0.311	3.15	0.430	0.286	0.430	Sewing	x	x	x	x	x
Beartooth Woods	Sedona Screw Cap RB or FP (Berea)	12mm or 15/32	0.450	1.81	0.535	0.429	0.535	10mm or 25/64	0.385	2.09	0.482	0.357	0.482
Beartooth Woods	Sierra Button Click BP (Berea)	27/64 or 10.7mm	0.410	2.42	0.474	0.381	0.474	x	x	x	x	x	x
Beartooth Woods	Sierra Click BP - Elegant Beauty (Berea)	27/64 or 10.7mm	0.410	2.36	0.474	0.381	0.474	x	x	x	x	x	x
Beartooth Woods	Sierra Click Pencil .7mm (Berea)	27/64 or 10.7mm	0.410	1.76	0.474	0.381	0.474	x	x	x	x	x	x
Beartooth Woods	Sierra Super Button Click BP (Berea)	27/64 or 10.7mm	0.410	2.36	0.474	0.381	0.474	x	x	x	x	x	x
Beartooth Woods	Sierra Twist BP - Diverse (Berea)	13/32 or 10.4mm	0.393	2.06	0.472	0.374	0.472	x	x	x	x	x	x





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## Beartooth Woods Kit Bushing & Tube Refs.

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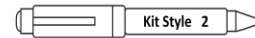
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Typical Mandrel Dia. Sizes  
A - .247 Dia. B - .291 Dia.  
Size Determined by Supplier



Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Beartooth Woods	Sierra Twist BP - Elegant Beauty (Berea)	Medium Sized Single Tube BP Pens	1	Sierra - Vista - Elegant - Virage Pen	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Sierra Twist BP - Grip (Berea)	Medium Sized Single Tube BP Pens	1	Sierra Grip	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Sierra Twist BP - Nomad Carbon Fiber (Berea)	Medium Sized Single Tube BP Pens	1	Sierra - Vista - Elegant - Virage Pen	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Sierra Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	Sierra - Vista - Elegant - Virage Pen	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Sierra Vista Twist BP - Circuit Board (Berea)	Large Sized Single Tube BP Pens	1	Sierra - Vista - Elegant - Virage Pen	50A - Sierra Vista
Beartooth Woods	Sierra Vista Twist BP (Berea)	Large Sized Single Tube BP Pens	1	Sierra - Vista - Elegant - Virage Pen	50A - Sierra Vista
Beartooth Woods	Sketch 5.6mm Click Pencil - Artist (Berea)	Large Sized Single Tube Workshop Pencils	1	Sketch Pencil	39A - Sketch Pencil
Beartooth Woods	Slim Streamline or Rubber Grip Twist BP (Berea)	Medium Sized BP Pens	2	Slim - Streamlined Slim Pen	14A - Streamlined Slim Rubber Grip
Beartooth Woods	Slimline Click Pencil - Deco and Greek Key (Berea)	Slim Sized Pencils	2	Pocket Stylus - Slim Pencil	1A - Slim - Fancy Slim - Slim Bullet
Beartooth Woods	Slimline Click Pencil (Berea)	Slim Sized Pencils	2	Pocket Stylus - Slim Pencil	1A - Slim - Fancy Slim - Slim Bullet
Beartooth Woods	Slimline Twist BP - Deco and Greek Key (Berea)	Slim Sized BP Pens	3	Slim - Streamlined Slim Pen	1A - Slim - Fancy Slim - Slim Bullet
Beartooth Woods	Slimline Twist BP (Berea)	Slim Sized BP Pens	2	Slim - Streamlined Slim Pen	1A - Slim - Fancy Slim - Slim Bullet
Beartooth Woods	Soft Grip Click BP - Rubber Grip (Berea)	Slim Sized BP Pens	2	Rubber Grip - Slim - Streamlined Slim	14A - Streamlined Slim - Rubber Grip
Beartooth Woods	Stylus - Mini Touch with Plug (Berea)	Slim Sized Single Tube Stylus Items	0	7mm x 10 Inch Brass Tube	1A - Slim - Fancy Slim - Slim Bullet
Beartooth Woods	Stylus - Pocket Soft Grip (Berea)	Slim Sized Stylus Items	0	7mm x 10 Inch Brass Tube	42A - Soft Grip Pocket Stylus
Beartooth Woods	Survival Screw Cap BP (Berea)	Large Sized Specialty Style BP Pens	3	Survival	61A - Survival Ballpoint Pen



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**Imperial English Units Revised 7-2-2023**

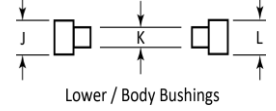
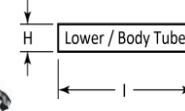
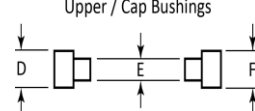
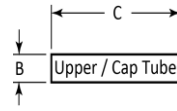
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Beartooth Woods	Sierra Twist BP - Elegant Beauty (Berea)	27/64 or 10.7mm	0.410	2.21	0.474	0.381	0.474	x	x	x	x	x	x
Beartooth Woods	Sierra Twist BP - Grip (Berea)	27/64 or 10.7mm	0.410	1.97	0.474	0.381	0.474	x	x	x	x	x	x
Beartooth Woods	Sierra Twist BP - Nomad Carbon Fiber (Berea)	27/64 or 10.7mm	0.410	2.21	0.474	0.381	0.474	x	x	x	x	x	x
Beartooth Woods	Sierra Twist BP (Berea)	27/64 or 10.7mm	0.410	2.21	0.474	0.381	0.474	x	x	x	x	x	x
Beartooth Woods	Sierra Vista Twist BP - Circuit Board (Berea)	27/64 or 10.7mm	0.410	2.21	0.551	0.381	0.523	x	x	x	x	x	x
Beartooth Woods	Sierra Vista Twist BP (Berea)	27/64 or 10.7mm	0.410	2.21	0.551	0.381	0.523	x	x	x	x	x	x
Beartooth Woods	Sketch 5.6mm Click Pencil - Artist (Berea)	12mm or 15/32	0.450	3.47	0.578	0.429	0.554	x	x	x	x	x	x
Beartooth Woods	Slim Streamline or Rubber Grip Twist BP (Berea)	7mm or J	0.268	2.09	0.331	x	0.416	7mm or J	0.268	2.09	0.416	x	0.331
Beartooth Woods	Slimline Click Pencil - Deco and Greek Key (Berea)	7mm or J	0.268	1.86	0.331	x	0.331	7mm or J	0.268	1.86	0.331	x	0.331
Beartooth Woods	Slimline Click Pencil (Berea)	7mm or J	0.268	1.86	0.331	x	0.331	7mm or J	0.268	1.86	0.331	x	0.331
Beartooth Woods	Slimline Twist BP - Deco and Greek Key (Berea)	7mm or J	0.268	2.09	0.331	x	0.331	7mm or J	0.268	2.09	0.331	x	0.331
Beartooth Woods	Slimline Twist BP (Berea)	7mm or J	0.268	2.09	0.331	x	0.331	7mm or J	0.268	2.09	0.331	x	0.331
Beartooth Woods	Soft Grip Click BP - Rubber Grip (Berea)	7mm or J	0.268	2.09	0.331	x	0.416	7mm or J	0.268	2.09	x	x	x
Beartooth Woods	Stylus - Mini Touch with Plug (Berea)	7mm or J	0.268	1.25	0.331	x	0.331	Stylus	x	x	x	x	x
Beartooth Woods	Stylus - Pocket Soft Grip (Berea)	7mm or J	0.268	1.85	0.331	x	0.331	7mm or J	0.268	1.85	0.331	x	0.415 / 0.331
Beartooth Woods	Survival Screw Cap BP (Berea)	33/64 or 13.2mm	0.510	2.06	0.594	0.494	0.583	27/64 or 10.7mm	0.410	2.06	0.583	0.381	0.583



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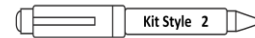
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Beartooth Woods	Tetra Twist Stylus BP - Nano (Berea)	Medium Sized BP Pens and Stylus Items	2	Tetra Stylus	45A - Tetra Stylus
Beartooth Woods	Tools - Candle Snuffer (Berea)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Tools - Fire Starter - Flint (PSI)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Tools - Folding Pocket Knife - Stainless (Berea)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Tools - Multi Screwdriver (Berea)	Extra Large No Tubes or Bushings Misc. Items	0	x	x
Beartooth Woods	Tools - Pocket Multi-Tool BP (Berea)	Medium Sized Tools and Utility Items	2	tool_pen	10B
Beartooth Woods	Tools - Scratch Awl (???)	Large Sized Single Tube Specialty Items	0	7mm Brass Tubes-10 (10 inch)	1A - Slim - Fancy Slim - Slim Bullet
Beartooth Woods	Tools - Woodworkers Click Pencil 5.6mm (Berea)	Extra Large Sized Workshop Pencils	2	Woodworkers Pencil	40A - Woodworkers Pencil
Beartooth Woods	Triton Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	Triton FP/RB	30A - Triton & Atrax FP/RB
Beartooth Woods	Triton Twist BP (Berea)	Large Sized BP Pens	2	Triton/Atrax Ballpoint Pen	31A - Triton & Atrax Ballpoint
Beartooth Woods	Turbin Stylus Click BP (Berea)	Slim Sized BP Pens with Stylus	2	Turbin Stylus	56A - Turbin Stylus
Beartooth Woods	Vail Screw Cap RB or FP (???)	Large Sized RB or FP Pens	3	Vail FP/RB	Vail
Beartooth Woods	Virage Screw Cap RB or FP (Berea)	Ornate Large Sized RB or FP Pens	3	Virage FP/RB	38A - Virage FP/RB
Beartooth Woods	Virage Twist BP - Sierra Styled (Berea)	Medium Sized Single Tube BP Pens	1	Sierra - Vista - Elegant - Virage Pen	20A - Sierra - Elegant Sierra - Sierra Button Click - Virage Pen - Pensar
Beartooth Woods	Yari Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	Yari	58A - Yari

Averaged Bushing Diameter Size was used to determine Category Sizing:

Slim = (.301 - .400) Dia. Medium = (.401 - .500) Dia. Large = (.501 - .600) Dia. Extra Large = (.601 - .700) Dia.



# **Beartooth Woods Kit Bushing & Tube Refs.**

**Imperial English Units Revised 7-2-2023**

*Please report any additions, corrections, suggestions to:*  
**Wayne Racinowski - IAP Library Manager**  
 libman (at) penturners (dot) org

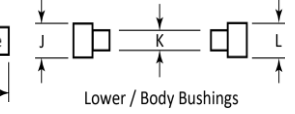
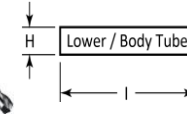
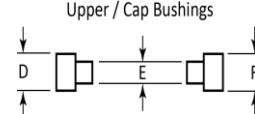
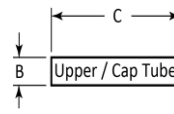
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**Note:** All data was compiled from suppliers published kit, tube and bushing information.

Kits listed in this chart may be available or had been offered in the past by this supplier.

**Tolerances - All Imperial English Units Measurements:**  
 2 - Place Dims +/- .01 & 3 - Place Dims +/- .005

**Use this Chart with Discretion. Manufacturers Change dimensions of parts on Occasion. It Should Only be Used as a Reference Guide. ALWAYS MEASURE AND RELY ON THE KIT PARTS FOR ACCURACY.**



Kit Supplier	Kit Description	Upper Body Tubes			Upper Body			Lower Body Tubes			Lower Body		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Beartooth Woods	Tetra Twist Stylus BP - Nano (Berea)	8mm or O	0.311	2.19	0.413	0.286	0.413	8mm or O	0.311	2.24	0.413	0.286	0.413
Beartooth Woods	Tools - Candle Snuffer (Berea)	Metal Tool	x	x	x	x	x	x	?	10.00 to 12.00	x	x	x
Beartooth Woods	Tools - Fire Starter - Flint (PSI)	3/16 & 3/8 or 4.8mm & 9.5mm	1.00	5.00	x	x	x	Metal Tool	x	x	x	x	x
Beartooth Woods	Tools - Folding Pocket Knife - Stainless (Berea)	1/8 & 5/32 or 3.2mm & 4mm	x	x	x	x	x	x	x	x	x	x	x
Beartooth Woods	Tools - Multi Screwdriver (Berea)	Metal Tool	x	x	x	x	x	7/16 & 5/8	x	5.00	x	x	x
Beartooth Woods	Tools - Pocket Multi-Tool BP (Berea)	13/32 or 10.4mm	0.393	2.00	0.454	0.374	0.454	13/32 or 10.4mm	0.393	2.36	0.454	0.374	0.454
Beartooth Woods	Tools - Scratch Awl (???)	7mm or J	0.268	?	0.563	x	0.500	Metal Awl	x	x	x	x	x
Beartooth Woods	Tools - Woodworkers Click Pencil 5.6mm (Berea)	29/64 or 11.5mm	0.437	1.65	?	?	?	29/64 or 11.5mm	0.437	1.65	?	?	?
Beartooth Woods	Triton Screw Cap RB or FP (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm or Z	0.400	1.85	0.512	0.376	0.481
Beartooth Woods	Triton Twist BP (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm or Z	0.400	2.33	0.481	0.376	0.481
Beartooth Woods	Turbin Stylus Click BP (Berea)	8mm or O	0.311	1.82	0.371	0.286	0.371	8mm or O	0.311	1.98	0.371	0.286	0.371
Beartooth Woods	Vail Screw Cap RB or FP (???)	12.5mm or 0.492	0.483	1.90	0.590	0.460	0.590	10.5mm or Z	0.400	2.09	0.512	0.376	0.481
Beartooth Woods	Virage Screw Cap RB or FP (Berea)	12mm or 15/32	0.450	1.81	0.533	0.429	0.533	10mm or 25/64	0.385	2.33	0.533	0.357	0.455
Beartooth Woods	Virage Twist BP - Sierra Styled (Berea)	27/64 or 10.7mm	0.410	2.21	0.474	0.381	0.474	x	x	x	x	x	x
Beartooth Woods	Yari Twist BP (Berea)	10mm or 25/64	0.385	2.62	?	0.357	?	x	x	x	x	x	x

Averaged Bushing Diameter Size was used to determine Category Sizing:

Slim = (.301 - .400) Dia. Medium = (.401 - .500) Dia. Large = (.501 - .600) Dia. Extra Large = (.601 - .700) Dia.