



## Berea Kit Bushing & Tube References

Revised 1/1/2021

Please report any additions, corrections, suggestions to:

Wayne Racinowski - IAP Library Manager

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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 1



Kit Style 2



Kit Style 3

Some Kits May Require  
Modifying Replacement  
Tube Lengths.



Kit Style 0 are Misc. Kit Styles

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



Apple & Android Apps,  
are now available Online  
for Imperial English Only!

Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Berea	Alpha Team Click BP (Berea)	Ornate Large Sized Single Tube Bullet BP Pens	2	1701_7	1701_TL or 62A
Berea	American Liberty Click BP (Berea)	Ornate Large Sized Single Tube Bullet BP Pens	2	1701_7	1701_TL or 62A
Berea	Atracia Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	1108_Tubes	1005_TL or 30A
Berea	Atracia Twist BP (Berea)	Large Sized BP Pens	2	1303B_Tubes	1005B_TL or 31A
Berea	Atrax Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	1108_Tubes	1005_TL or 30A
Berea	Atrax Twist BP (Berea)	Large Sized BP Pens	2	1108B_Tubes	1005B_TL or 31A
Berea	Baron Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	0405_Tubes	0405_TL or 19A
Berea	Blade Button Click BP (Berea)	Medium Sized Single Tube BP Pens	1	1902_Tube	1902_TL or 70A
Berea	Blossom or Rose Twist BP (Berea)	Medium Sized BP Pens	2	1904_Tube	1904_TL or 71A
Berea	Bracelet Assistant Helper (Berea)	Slim Sized Single Tube Specialty Items	0	5809_Tube	830_TL or 8A
Berea	Breast Cancer Awareness Twist BP (Berea)	Medium Sized BP Pens and Cancer Awareness	2	0601_Tubes	0301_TL or 14A
Berea	Bullet American Pride Lever Action BP (Berea)	Medium Sized Single Tube Bullet BP Pens	2	1501_Tube	1501_TL or 57A
Berea	Bullet Carbine Twist BP (Berea)	Medium Sized Single Tube Bullet BP Pens	1	1406_Tube	1406_TL or 53A
Berea	Bullet Cartridge Click 30 Caliber BP (Berea)	Medium Sized Single Tube Bullet BP Pens	2	0906_TUBE	0906_TL or 26A
Berea	Bullet Cartridge Click 45 Caliber BP (Berea)	Ornate Medium Sized Single Tube Bullet BP Pens	2	1408_Tube	0906_TL or 26A
Berea	Bullet Cartridge Twist 30 Caliber BP (Berea)	Medium Sized Single Tube Bullet BP Pens	2	0906_Tube	0906_TL or 26A
Berea	Button Click BP (Berea)	Slim Sized BP Pens	2	5807_Tubes	5807_TL or 5A
Berea	Cambridge and Hybrid Screw Cap RB or FP (Berea)	Ornate Large Sized RB or FP Pens	3	N0106_Tubes	N0106_TL or 16B or N0106W_TL or 48A
Berea	Carbara Twist BP - AKA Atlas (Berea)	Medium Sized Single Tube BP Pens	1	0401_Tube	0401_TL or 16A
Berea	Churchill Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	0501_Tubes	N0106_TL or 16B or N0106W_TL or 48A
Berea	Cigar Holder - Rogue (Berea)	Extra Large Sized Specialty Items	0	1307_Tubes	1307_TL or 43A
Berea	Cigar Holder - Rogue Plus (Berea)	Extra Large Sized Specialty Items	0	1307L_Tubes	1307L-TL or 46A
Berea	Cigar Twist BP - and Hybrid (Berea)	Large Sized BP Pens	2	145_Tubes	145A_TL or 11A or 145B_TL or 19B
Berea	Cigar Twist BP - Bowtie (Berea)	Large Sized BP Pens	2	BP145-254-10	0822_TL or 22A
Berea	Cigar Twist BP - Fat (Berea)	Large Sized BP Pens	2	145_Tubes	145A_TL or 11A or 145B_TL or 19B
Berea	Cigar Twist BP - Hybrid (Berea)	Large Sized BP Pens	2	145_Tubes	145A_TL or 11A or 145B_TL or 19B
Berea	Cigar Twist BP - Ultra (Berea)	Large Sized BP Pens	2	7145_Tubes	145A_TL or 11A or 145B_TL or 19B
Berea	Cigar Twist Pencil - Fat (Berera)	Large Sized Pencils	2	195_Tubes	145A_TL or 11A or 145B_TL or 19B
Berea	CJK1 Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	1703_Tube	1703_TL or 65A
Berea	Click Pencil - 7mm (Berea)	Slim Sized Pencils	2	8010_Tubes	801_TL or 1A
Berea	Cushion Grip Click BP (Berea)	Slim Sized BP Pens	2	N0102_Tube	N0102_TL or 15B



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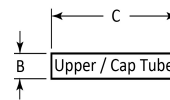
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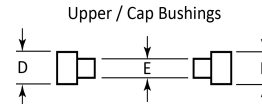
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Upper - A Drill Dia.

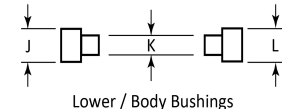
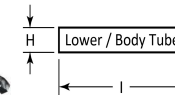


Tolerances for All Measurements:

2 - Place Dims +/- .01 & 3 - Place Dims +/- .005



Lower - G Drill Dia.



Use this Chart with Discretion. Manufacturers Change dimensions of parts on Occasion. It Should Only be Used as a Reference Guide.

Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		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.
Berea	Alpha Team Click BP (Berea)	Metal Cap	none	none	none	none	none	3/8 or V	0.368	2.11	0.446	0.345	0.446
Berea	American Liberty Click BP (Berea)	Metal Cap	none	none	none	none	none	3/8 or V	0.368	2.11	0.446	0.345	0.446
Berea	Atracia Screw Cap RB or FP (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm	0.400	2.19	0.513	0.376	0.481
Berea	Atracia Twist BP (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm	0.400	2.33	0.481	0.376	0.481
Berea	Atrax Screw Cap RB or FP (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm	0.400	2.19	0.513	0.376	0.481
Berea	Atrax Twist BP (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm	0.400	2.33	0.481	0.376	0.481
Berea	Baron Screw Cap RB or FP (Berea)	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
Berea	Blade Button Click BP (Berea)	11/32 or S	0.338	3.70	0.434	0.316	0.434	none	none	none	none	none	none
Berea	Blossom or Rose Twist BP (Berea)	Metal Cap	none	none	none	none	none	8mm or O	0.311	unknown	unknown	0.286	unknown
Berea	Bracelet Assistant Helper (Berea)	5/16	0.301	4.00	0.395	0.274	0.395	Metal Clip	none	none	none	none	none
Berea	Breast Cancer Awareness Twist BP (Berea)	7mm or J	0.268	2.03	0.331	none	0.416	7mm or J	0.268	2.03	0.416	none	0.331
Berea	Bullet American Pride Lever Action BP (Berea)	Metal Cap	none	none	none	none	none	10mm or 25/64	0.385	1.84	0.455	0.357	0.455
Berea	Bullet Carbine Twist BP (Berea)	3/8 or V	0.368	1.97	0.466	0.345	0.466	Metal Cap	none	none	none	none	none
Berea	Bullet Cartridge Click 30 Caliber BP (Berea)	10mm or 25/64	0.385	2.09	0.466	0.357	0.466	Bullet	none	none	none	none	none
Berea	Bullet Cartridge Click 45 Caliber BP (Berea)	Metal Cap	none	none	none	none	none	10mm or 25/64	0.385	1.60	0.466	0.357	0.466
Berea	Bullet Cartridge Twist 30 Caliber BP (Berea)	Metal Cap	none	none	none	none	none	10mm or 25/64	0.385	2.09	0.466	0.357	0.466
Berea	Button Click BP (Berea)	11/32 or S	0.338	1.98	0.388	0.316	0.388	11/32 or S	0.338	1.98	0.388	0.316	0.388
Berea	Cambridge and Hybrid Screw Cap RB or FP (Berea)	33/64	0.510	1.69	0.590	0.494	0.590	12.1mm or 31/64	0.470	1.97	0.536	0.450	0.536
Berea	Carbara Twist BP - AKA Atlas (Berea)	3/8 or V	0.368	2.84	0.510	0.345	0.452	none	none	none	none	none	none
Berea	Churchill Screw Cap RB or FP (Berea)	33/64	0.510	1.69	0.590	0.494	0.590	12.1mm or 31/64	0.470	1.97	0.536	0.450	0.536
Berea	Cigar Holder - Rogue (Berea)	21mm or 53/64	0.815	2.37	0.915	0.788	0.915	21mm or 53/64	0.815	4.15	0.915	0.788	0.915
Berea	Cigar Holder - Rogue Plus (Berea)	7/8	unknown	2.37	1.120	unknown	1.120	7/8	unknown	4.15	1.120	unknown	1.120
Berea	Cigar Twist BP - and 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
Berea	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
Berea	Cigar Twist BP - Fat (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
Berea	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
Berea	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
Berea	Cigar Twist Pencil - Fat (Berera)	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
Berea	CJK1 Twist BP (Berea)	27/64	0.410	unknown	0.492	0.381	0.492	none	none	none	none	none	none
Berea	Click Pencil - 7mm (Berea)	7mm or J	0.268	1.85	0.331	none	0.331	7mm or J	0.268	1.85	0.331	none	0.331
Berea	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	none	0.286	none



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Kit Style 1



Kit Style 2



Kit Style 3

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Modifying Replacement  
Tube Lengths.



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



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Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Berea	EL Grande Screw Cap RB or FP - and Elite (Berea)	Large Sized RB or FP Pens	3	N0106_Tubes	N0106_TL or 16B or N0106W_TL or 48A
Berea	EL Grande Twist Cap BP and Pencil (Berea)	Large Sized BP Pens and Pencils	2	N0106B_Tubes	N0106_TL or 16B or N0106W_TL or 48A
Berea	Electra Screw Cap RB or FP (Berea)	Large Sized Single Tube RB or FP Pens	3	1001_Tube	1001_TL or 29A
Berea	Elegant American Twist BP (Berea)	Medium Sized BP Pens	2	0302_Tubes	0302A_TL-15A or 15A or 0302A_TL or 17B
Berea	Ezline Twist BP (Berea)	Slim Sized BP Pens	2	2003_TUBES	801_TL or 1A
Berea	Firemans Lever Click BP (Berea)	Ornate Medium Sized Single Tube BP Pens	2	1609_6	1501_TL or 57A
Berea	Flashlight BP (Berea)	Medium Sized Single Tube Specialty Items	0	516_Tube	516_TL or 5B
Berea	Flat Top American Double Twist BP (Berea)	Medium Sized BP Pens	2	416_Tubes	416_TL or 1B
Berea	Flat Top American Double Twist Hybrid BP (Berea)	Medium Sized BP Pens	2	416_Tubes	416_TL or 1B
Berea	Flat Top American Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	4177_Tubes	4177_TL or 2B or 1105_TL or 35A
Berea	Flat Top American Screw Cap RB or RB - Corinthian (Berea)	Medium Sized RB or FP Pens	3	4177_Tubes	4177_TL or 2B or 1105_TL or 35A
Berea	Flat Top American Snap Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	4170_Tubes	4177_TL or 2B or 1105_TL or 35A
Berea	Flat Top American Twist .7mm Pencil (Berea)	Medium Sized Pencils	2	4161_Tubes	416_TL or 1B
Berea	Flat Top American Twist BP - Corinthian (Berea)	Medium Sized BP Pens	2	4161_Tubes	416_TL or 1B
Berea	Flat Top American Twist Pencil - Corinthian (Berea)	Medium Sized Pencils	2	4161_Tubes	416_TL or 1B
Berea	Flat Top Click Push Cap BP (Berea)	Medium Sized BP Pens	2	unknown	Bushing_4B or 4B
Berea	Flat Top Series 2000 Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	4177_Tubes	4177_TL or 2B or 1105_TL or 35A
Berea	Flat Top Streamline American Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	4177_Tubes	4177_TL or 2B or 1105_TL or 35A
Berea	Geta Twist BP (Berea)	Medium Sized Single Tube BP Pens	2	1704_Tube	1704_TL or 66A
Berea	Glacia Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	1309_Tube	1309_TL or 55A
Berea	Greek or Deco Pencil (Berea)	Slim Sized Pencils	2	8010_Tubes	801_TL or 1A
Berea	Greek or Deco Twist BP (Berea)	Slim Sized BP Pens	2	801_Tubes	801_TL or 1A
Berea	Hymark Marker Holder - Sharpie (Berea)	Extra Large Style Tools and Utility Items	3	1301_Tube	1301_TL or 44A
Berea	Key Ring - Toothpick Holder (Berea)	Medium Sized Single Tube Specialty Items	0	831_Tube	831A_TL or 13A OR 831B_TL or 11B
Berea	LED Flashlight (Berea)	Large Sized Single Tube Specialty Items	0	1203_Tube	1203_TL or 41A
Berea	LED Stylus BP (Berea)	Large Single Tube BP Pens with Stylus	3	1403_Tube	1403_TL or 54A
Berea	Lever Action Rifle Click BP (Berea)	Ornate Medium Sized Single Tube BP Pens	2	1501_Tube	1501_TL or 57A
Berea	Long Boy Button Click BP (Berea)	Medium Sized BP Pens	2	1601_Tube	1601_TL or 49A
Berea	Motorcycle Twist BP (Berea)	Ornate Medium Sized Single Tube BP Pens	2	1607_11	1607_TL or 59A
Berea	MP208 Magnetic Cap RB or BP (Berea)	Medium Sized RB or BP Pens	3	MG1807_TL	MG1807_TL or 69A
Berea	Necklace Twist BP - Lanyard (Berea)	Slim Sized BP Pens	2	WK-050_Tube	WK-050_TL or 4A



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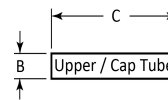
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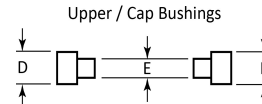
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Upper - A Drill Dia.

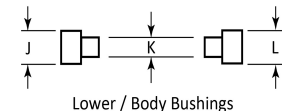
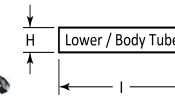


Tolerances for All Measurements:

2 - Place Dims +/- .01 & 3 - Place Dims +/- .005



Lower - G Drill Dia.



Use this Chart with Discretion. Manufacturers Change dimensions of parts on Occasion. It Should Only be Used as a Reference Guide.

Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		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.
Berea	EL Grande Screw Cap RB or FP - and Elite (Berea)	33/64	0.510	1.69	0.590	0.494	0.590	12.1mm or 31/64	0.470	1.97	0.536	0.450	0.536
Berea	EL Grande Twist Cap BP and Pencil (Berea)	33/64	0.510	1.69	0.590	0.494	0.590	12.1mm or 31/64	0.470	1.97	0.536	0.450	0.536
Berea	Electra Screw Cap RB or FP (Berea)	Metal Cap	none	none	none	none	none	10.5mm	0.400	2.81	0.512	0.376	0.481
Berea	Elegant American Twist BP (Berea)	8mm or O	0.311	2.00	0.400	0.286	0.470	8mm or O	0.311	2.15	0.470	0.286	0.360
Berea	Ezline Twist BP (Berea)	7mm or J	0.268	1.85	0.331	none	0.331	7mm or J	0.268	2.37	0.331	none	0.331
Berea	Firemans Lever Click BP (Berea)	Metal Cap	none	none	none	none	none	10mm or 25/64	0.385	1.89	0.455	0.357	0.455
Berea	Flashlight BP (Berea)	12.1mm or 31/64	0.470	unknown	unknown	0.450	unknown	12.1mm or 31/64	0.470	unknown	unknown	0.450	unknown
Berea	Flat Top American Double Twist BP (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	8mm or O	0.311	2.01	0.485	0.286	0.388
Berea	Flat Top American Double Twist Hybrid BP (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	8mm or O	0.311	2.01	0.485	0.286	0.388
Berea	Flat Top American Screw Cap RB or FP (Berea)	3/8 or V	0.368	1.98	0.488	0.345	0.488	3/8 or V	0.368	1.98	0.453	0.345	0.453
Berea	Flat Top American Screw Cap RB or RB - Corinthian (Berea)	3/8 or V	0.368	1.98	0.488	0.345	0.488	3/8 or V	0.368	1.98	0.453	0.345	0.453
Berea	Flat Top American Snap Cap RB or FP (Berea)	3/8 or V	0.368	1.98	0.488	0.345	0.488	3/8 or V	0.368	1.98	0.453	0.345	0.453
Berea	Flat Top American Twist .7mm Pencil (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	8mm or O	0.311	2.01	0.485	0.286	0.388
Berea	Flat Top American Twist BP - Corinthian (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	8mm or O	0.311	2.01	0.485	0.286	0.388
Berea	Flat Top American Twist Pencil - Corinthian (Berea)	8mm or O	0.311	2.01	0.485	0.286	0.485	8mm or O	0.311	2.01	0.485	0.286	0.388
Berea	Flat Top Click Push Cap BP (Berea)	11mm	0.415	2.01	0.485	0.389	0.485	8mm or O	0.311	2.01	0.485	0.286	0.388
Berea	Flat Top Series 2000 Screw Cap RB or FP (Berea)	3/8 or V	0.368	1.98	0.488	0.345	0.488	3/8 or V	0.368	1.98	0.453	0.345	0.453
Berea	Flat Top Streamline American Screw Cap RB or FP (Berea)	3/8 or V	0.368	1.98	0.488	0.345	0.488	3/8 or V	0.368	1.98	0.453	0.345	0.453
Berea	Geta Twist BP (Berea)	Metal Cap	none	none	none	none	none	8mm or O	0.311	unknown	unknown	0.286	unknown
Berea	Glacia Twist BP (Berea)	11/32 or S	0.338	2.56	0.465	0.316	0.433	none	none	none	none	none	none
Berea	Greek or Deco Pencil (Berea)	7mm or J	0.268	1.86	0.331	none	0.331	7mm or J	0.268	1.86	0.331	none	0.331
Berea	Greek or Deco Twist BP (Berea)	7mm or J	0.268	2.09	0.331	none	0.331	7mm or J	0.268	2.09	0.331	none	0.331
Berea	Hymark Marker Holder - Sharpie (Berea)	15mm or 19/32	0.580	1.67	0.659	0.561	0.659	14mm	0.539	3.35	0.654	0.519	0.654
Berea	Key Ring - Toothpick Holder (Berea)	11mm	0.415	2.28	0.492	0.389	0.492	none	none	none	none	none	none
Berea	LED Flashlight (Berea)	33/64	0.510	unknown	unknown	0.494	unknown	none	none	none	none	none	none
Berea	LED Stylus BP (Berea)	12.5mm or 0.492	0.483	2.42	0.540	0.460	0.540	none	none	none	none	none	none
Berea	Lever Action Rifle Click BP (Berea)	Metal Cap	none	none	none	none	none	10mm or 25/64	0.385	1.84	0.455	0.357	0.455
Berea	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
Berea	Motorcycle Twist BP (Berea)	Metal Cap	none	none	none	none	none	10mm or 25/64	0.385	2.22	0.455	0.357	0.455
Berea	MP208 Magnetic Cap RB or BP (Berea)	Metal Cap	none	none	none	none	none	3/8 or V	0.368	unknown	unknown	0.345	unknown
Berea	Necklace Twist BP - Lanyard (Berea)	7mm or J	0.268	unknown	unknown	none	unknown	7mm or J	0.268	unknown	unknown	none	unknown



## Berea Kit Bushing & Tube References

Revised 1/1/2021

Please report any additions, corrections, suggestions to:

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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 1



Kit Style 2



Kit Style 3

Some Kits May Require  
Modifying Replacement  
Tube Lengths.



Kit Style 0 are Misc. Kit Styles

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



Apple & Android Apps,  
are now available Online  
for Imperial English Only!

Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Berea	New Series Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	1105_Tubes	4177_TL or 2B or 1105_TL or 35A
Berea	New Series Twist BP (Berea)	Medium Sized BP Pens	2	1104_Tubes	1104_TL or 34A
Berea	NYX Click BP (Berea)	Ornate Large Sized Single Tube Bullet BP Pens	2	1701_7	1701_TL or 62A
Berea	Olmsted Twist BP (Berea)	Medium Sized BP Pens	2	17145_Tube	17145_TL or 63A
Berea	Olympia Twist BP (Berea)	Slim Sized BP Pens	2	unknown	unknown
Berea	Pearl Topped European Twist BP (Berea)	Slim Sized BP Pens	2	801_Tubes	64A
Berea	Pensar Twist BP (Berea)	Ornate Medium Sized BP Pens	2	1306_Tubes	0502_TL or 20A
Berea	Perfect Fit Convertable BP and Pencil (Berea)	Medium Sized BP Pens and Pencils	2	58051_Tubes	14A or 58051_TL or 14B
Berea	Perfume Atomizer (Berea)	Extra Large Sized Specialty Items	0	690_5 & 690_5	690_TL or 12A
Berea	Perfume Pen Kit Applicator (Berea)	Slim Sized Specialty Items	0	830_Tubes	830_TL or 8A
Berea	Perfume Pendant Holder (Berea)	Medium Sized Single Tube Specialty Items	0	832_Tube	831A_TL or 13A OR 831B_TL or 11B
Berea	Pocket Purse Twist BP - Small (Berea)	Medium Sized BP Pens	2	5812_Tubes	5812_TL or 6A
Berea	Policeman BP (Berea)	Ornate Medium Sized Single Tube BP Pens	2	1701_7	1701_TL or 62A
Berea	Razor - Fusion Cartridges (Berea)	Large Sized Single Tube Shaving Accessories	0	1002_Tube	1002S_TL or 28A
Berea	Razor - Mach 3 Cartridges (Berea)	Large Sized Single Tube Shaving Accessories	0	1002_Tube	1002S_TL or 28A
Berea	Retro Twist BP - AKA Provincial/Executive (Berea)	Medium Sized BP Pens	2	280_Tubes	280_TL or 9A
Berea	Rinehart Screw Cap RB or FP - AKA Reinhart (Berea)	Large Sized RB or FP Pens	3	0405_Tubes	0405_TL or 19A
Berea	Rinehart Twist BP- AKA Reinhart (Berea)	Large Sized BP Pens	2	1201_Tubes	0405_TL or 19A
Berea	Round Top 7mm European Twist BP (Berea)	Medium Sized BP Pens	2	0301_Tubes	0301_TL or 10A
Berea	Round Top 8mm European Twist BP - Corinthian (Berea)	Large Sized BP Pens	2	rt_euro_Ballpoint_Corinthian	8216_TL or 3B
Berea	Round Top 8mm European Twist BP (Berea)	Large Sized BP Pens	2	8240_Tubes	8216_TL or 3B
Berea	Round Top 8mm European Twist Pencil - Corinthian (Berea)	Large Sized Pencils	2	rt_euro_pencil_Corinthian	8216_TL or 3B
Berea	Round Top 8mm European Twist Pencil .7mm (Berea)	Large Sized Pencils	2	8240_Tubes	8216_TL or 3B
Berea	Round Top European Screw Cap RB or FP - Corinthian (Berea)	Medium Sized RB or FP Pens	3	rt_euro_Fountain_SC_Corinthian	41788_TL or 8B
Berea	Round Top European Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	41788_Tubes	41788_TL or 8B
Berea	Round Top Streamline Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	Streamline_RT_RB_FP_S	41788_TL or 8B
Berea	Round Top Streamline Twist BP (Berea)	Medium Sized BP Pens	2	0402_Tubes	0402_TL or 18A
Berea	Seam Ripper (Berea)	Large Sized Single Tube Specialty Items	0	1110_Tube	1110_TL or 36A
Berea	Sedona Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	0405_Tubes	0405_TL or 19A
Berea	Sierra Button Click BP (Berea)	Medium Sized Single Tube BP Pens	1	7502N_Tube	0502_TL or 20A
Berea	Sierra Button Click Pencil .7mm (Berea)	Medium Sized Single Tube Pencils	1	7502P_Tube	0502_TL or 20A





## Berea Kit Bushing & Tube References

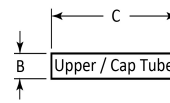
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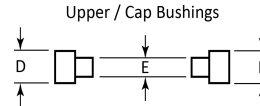
Note: All data was compiled from suppliers published kit, tube and bushing information.

Upper - A Drill Dia.

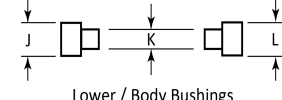
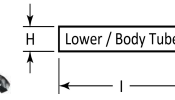


Tolerances for All Measurements:

2 - Place Dims +/- .01 & 3 - Place Dims +/- .005



Lower - G Drill Dia.



Use this Chart with Discretion. Manufacturers Change dimensions of parts on Occasion. It Should Only be Used as a Reference Guide.

Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		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.
Berea	New Series Screw Cap RB or FP (Berea)	3/8 or V	0.368	1.83	0.488	0.345	0.488	3/8 or V	0.368	2.09	0.453	0.345	0.453
Berea	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
Berea	NYX Click BP (Berea)	Metal Cap	none	none	none	none	none	3/8 or V	0.368	2.11	0.446	0.345	0.446
Berea	Olmsted Twist BP (Berea)	8mm or O	0.311	unknown	0.426	0.286	0.494	8mm or O	0.311	unknown	0.454	0.286	0.417
Berea	Olympia Twist BP (Berea)	8mm or O	0.311	unknown	0.343	0.286	0.484	7mm or J	0.268	unknown	0.378	none	0.354
Berea	Pearl Topped European Twist BP (Berea)	3/8 or V	0.368	unknown	unknown	0.345	unknown	8mm or O	0.311	unknown	unknown	0.286	unknown
Berea	Pensar Twist BP (Berea)	27/64	0.410	0.96	0.474	0.381	0.474	27/64	0.410	0.96	0.474	0.381	0.474
Berea	Perfect Fit Convertable BP and Pencil (Berea)	11/32 or S	0.338	2.13	0.462	0.316	0.542	8mm or O	0.311	2.36	0.467	0.286	0.367
Berea	Perfume Atomizer (Berea)	15mm or 19/32	0.580	0.98	0.656	0.561	0.656	15mm or 19/32	0.580	1.60	0.656	0.561	0.656
Berea	Perfume Pen Kit Applicator (Berea)	5/16	0.301	0.97	0.395	0.274	0.395	5/16	0.301	2.91	0.395	0.274	0.395
Berea	Perfume Pendant Holder (Berea)	11mm	0.415	1.37	0.492	0.389	0.492	none	none	none	none	none	none
Berea	Pocket Purse Twist BP - Small (Berea)	3/8 or V	0.368	unknown	unknown	0.345	unknown	3/8 or V	0.368	unknown	unknown	0.345	unknown
Berea	Policeman BP (Berea)	Metal Cap	none	none	none	none	none	3/8 or V	0.368	2.11	0.446	0.345	0.446
Berea	Razor - Fusion Cartridges (Berea)	7mm or J	0.268	2.56	0.545	none	0.545	none	none	none	none	none	none
Berea	Razor - Mach 3 Cartridges (Berea)	7mm or J	0.268	2.56	0.545	none	0.545	none	none	none	none	none	none
Berea	Retro Twist BP - AKA Provincial/Executive (Berea)	11/32 or S	0.338	1.18	0.413	0.316	0.413	11/32 or S	0.338	1.48	0.413	0.316	0.413
Berea	Rinehart Screw Cap RB or FP - AKA Reinhart (Berea)	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
Berea	Rinehart Twist BP- AKA Reinhart (Berea)	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
Berea	Round Top 7mm European Twist BP (Berea)	7mm or J	0.268	2.09	0.406	none	0.515/0.412	7mm or J	0.268	2.36	0.425	none	0.360
Berea	Round Top 8mm European Twist BP - Corinthian (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
Berea	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
Berea	Round Top 8mm European Twist Pencil - Corinthian (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
Berea	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
Berea	Round Top European Screw Cap RB or FP - Corinthian (Berea)	3/8 or V	0.368	1.98	0.440	0.345	0.525/0.368	3/8 or V	0.368	1.98	0.449	0.345	0.449
Berea	Round Top European Screw Cap RB or FP (Berea)	3/8 or V	0.368	1.98	0.440	0.345	0.525/0.368	3/8 or V	0.368	1.98	0.449	0.345	0.449
Berea	Round Top Streamline Screw Cap RB or FP (Berea)	3/8 or V	0.368	1.98	0.440	0.345	0.525/0.368	3/8 or V	0.368	1.98	0.449	0.345	0.449
Berea	Round Top Streamline Twist BP (Berea)	7mm or J	0.268	2.09	0.411	none	0.416	7mm or J	0.268	2.21	0.416	none	0.331
Berea	Seam Ripper (Berea)	8mm or O	0.311	3.15	unknown	0.286	unknown	none	none	none	none	none	none
Berea	Sedona Screw Cap RB or FP (Berea)	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
Berea	Sierra Button Click BP (Berea)	27/64	0.410	2.42	0.474	0.381	0.474	none	none	none	none	none	none
Berea	Sierra Button Click Pencil .7mm (Berea)	27/64	0.410	1.76	0.474	0.381	0.474	none	none	none	none	none	none



## Berea Kit Bushing & Tube References

Revised 1/1/2021

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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 1



Kit Style 2



Kit Style 3

Some Kits May Require  
Modifying Replacement  
Tube Lengths.



Kit Style 0 are Misc. Kit Styles

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



Apple & Android Apps,  
are now available Online  
for Imperial English Only!

Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Berea	Sierra Click BP - Elegant and Elegant Beauty (Berea)	Medium Sized Single Tube BP Pens	1	9502N_Tube	0502_TL or 20A
Berea	Sierra Twist BP - Diverse (Berea)	Medium Sized Single Tube BP Pens	1	187502_Tube	187502_TL or 68A
Berea	Sierra Twist BP - Elegant and Elegant Beauty (Berea)	Medium Sized Single Tube BP Pens	1	0502_Tube	0502_TL or 20A
Berea	Sierra Twist BP - Grip (Berea)	Medium Sized Single Tube BP Pens	1	140502_Tube	0502_TL or 20A
Berea	Sierra Twist BP - Stylus (Berea)	Medium Sized Single Tube BP Pens with Stylus	1	0502_Tube	0502_TL or 20A
Berea	Sierra Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	0502_Tube	0502_TL or 20A
Berea	Sierra Vista Twist BP - Tropical and Circuit Board (Berea)	Large Sized Single Tube BP Pens	1	0502_Tube	0502X_TL or 50A
Berea	Sierra Vista Twist BP (Berea)	Large Sized Single Tube BP Pens	1	0502_Tube	0502X_TL or 50A
Berea	Sketch 5.6mm Pencil (Berea)	Large Sized Single Tube Workshop Pens and Pencils	1	1207_Tube	1207_TL or 39A
Berea	Slimline Click Pencil - Deco and Greek Key (Berea)	Slim Sized Pencils	2	0601_Tubes	801_TL or 1A
Berea	Slimline Click Pencil (Berea)	Slim Sized Pencils	2	0601_Tubes	801_TL or 1A
Berea	Slimline Twist BP - Deco and Greek Key (Berea)	Slim Sized BP Pens	2	801_Tubes	801_TL or 1A
Berea	Slimline Twist BP - Sleek (Berea)	Slim Sized BP Pens	2	8013_TUBES	801_TL or 1A
Berea	Slimline Twist BP (Berea)	Slim Sized BP Pens	2	801_Tubes	801_TL or 1A
Berea	Soft Grip Pocket Stylus (Berea)	Slim Sized Stylus Items	2	8010_Tubes	1302_TL or 42A
Berea	Soft Grip Twist BP (Berea)	Medium Sized BP Pens	2	0601_Tubes	0301_TL or 14A
Berea	Streamline 7mm Twist BP (Berea)	Medium Sized BP Pens	2	0301_Tubes	0301_TL or 14A
Berea	Streamline Round Top 7mm Twist BP (Berea)	Medium Sized BP Pens	2	0402_Tubes	0402_TL or 18A
Berea	Stylus - Mini Touch with Plug (Berea)	Slim Sized Single Tube Stylus Items	1	1109_TUBE	801_TL or 1A
Berea	Surfix Twist BP (Berea)	Slim Sized Single Tube BP Pens	2	1808_TUBE	801_TL or 1A
Berea	Survival BP (Berea)	Specialty Style Pens	3	1602_Tubes	1602_TL 61A
Berea	Tanzo Twist BP (Berea)	Ornate Medium Sized Single Tube Bullet BP Pens	2	1801_TUBE	1801_TL or 67A
Berea	Tetra Twist Stylus BP - Nano (Berea)	Medium Sized BP Pens and Stylus Items	2	1304_Tubes	1304_TL or 45A
Berea	Tool BP - Pocket Multi (Berea)	Medium Sized Tools and Utility Items	2	tool_pen	5808_TL or 10B
Berea	Triton Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	1005_Tubes	1005_TL or 30A
Berea	Triton Twist BP (Berea)	Large Sized BP Pens	2	1005B_Tubes	1005B_TL or 31A
Berea	Turbin Stylus Click BP (Berea)	Slim Sized BP Pens with Stylus	2	1405_TUBES	1405_TL or 56A
Berea	Twist BP - 7mm (Berea)	Slim Sized BP Pens	2	801_Tubes	801_TL or 1A
Berea	Twist BP - 7mm Stylus (Berea)	Slim Sized BP Pens with Stylus	2	801_Tubes	801_TL or 1A
Berea	Virage Screw Cap RB or FP (Berea)	Ornate Large Sized RB or FP Pens	3	1201_Tubes	1201_TL or 38A
Berea	Virage Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	0502_Tube	1106_TL or 32A



## Berea Kit Bushing & Tube References

Revised 1/1/2021

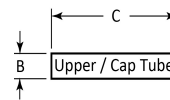
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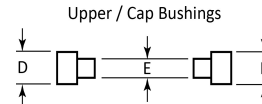
Apple & Android Apps,  
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Upper - A Drill Dia.



Tolerances for All Measurements:

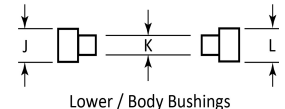
2 - Place Dims +/- .01 & 3 - Place Dims +/- .005



Use this Chart with Discretion. Manufacturers Change dimensions of parts on Occasion. It Should Only be Used as a Reference Guide.



Lower - G Drill Dia.



Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		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.
Berea	Sierra Click BP - Elegant and Elegant Beauty (Berea)	27/64	0.410	1.89	0.474	0.381	0.474	none	none	none	none	none	none
Berea	Sierra Twist BP - Diverse (Berea)	13/32	0.393	2.06	0.472	0.374	0.472	none	none	none	none	none	none
Berea	Sierra Twist BP - Elegant and Elegant Beauty (Berea)	27/64	0.410	2.21	0.474	0.381	0.474	none	none	none	none	none	none
Berea	Sierra Twist BP - Grip (Berea)	27/64	0.410	1.97	0.474	0.381	0.474	none	none	none	none	none	none
Berea	Sierra Twist BP - Stylus (Berea)	27/64	0.410	2.21	0.474	0.381	0.474	none	none	none	none	none	none
Berea	Sierra Twist BP (Berea)	27/64	0.410	2.21	0.474	0.381	0.474	none	none	none	none	none	none
Berea	Sierra Vista Twist BP - Tropical and Circuit Board (Berea)	27/64	0.410	2.21	0.551	0.381	0.523	none	none	none	none	none	none
Berea	Sierra Vista Twist BP (Berea)	27/64	0.410	2.21	0.551	0.381	0.523	none	none	none	none	none	none
Berea	Sketch 5.6mm Pencil (Berea)	15/32	0.450	3.47	0.578	0.429	0.554	none	none	none	none	none	none
Berea	Slimline Click Pencil - Deco and Greek Key (Berea)	7mm or J	0.268	1.86	0.331	none	0.331	7mm or J	0.268	1.86	0.331	none	0.331
Berea	Slimline Click Pencil (Berea)	7mm or J	0.268	1.86	0.331	none	0.331	7mm or J	0.268	1.86	0.331	none	0.331
Berea	Slimline Twist BP - Deco and Greek Key (Berea)	7mm or J	0.268	2.09	0.331	none	0.331	7mm or J	0.268	2.09	0.331	none	0.331
Berea	Slimline Twist BP - Sleek (Berea)	7mm or J	0.268	2.09	0.331	none	0.331	7mm or J	0.268	2.09	0.331	none	0.331
Berea	Slimline Twist BP (Berea)	7mm or J	0.268	2.09	0.331	none	0.331	7mm or J	0.268	2.09	0.331	none	0.331
Berea	Soft Grip Pocket Stylus (Berea)	7mm or J	0.268	1.85	0.331	none	0.331	7mm or J	0.268	1.85	0.331	none	0.415/.33
Berea	Soft Grip Twist BP (Berea)	7mm or J	0.268	1.86	0.331	none	0.416	7mm or J	0.268	1.86	0.416	none	0.331
Berea	Streamline 7mm Twist BP (Berea)	7mm or J	0.268	2.09	0.331	none	0.416	7mm or J	0.268	2.09	0.416	none	0.331
Berea	Streamline Round Top 7mm Twist BP (Berea)	7mm or J	0.268	2.09	0.411	none	0.416	7mm or J	0.268	2.21	0.416	none	0.331
Berea	Stylus - Mini Touch with Plug (Berea)	7mm or J	0.268	unknown	0.331	none	0.331	none	none	none	none	none	none
Berea	Surfix Twist BP (Berea)	Metal Cap	none	none	none	none	none	7mm or J	0.268	2.36	0.331	none	0.331
Berea	Survival BP (Berea)	33/64	0.510	2.06	0.594	0.494	0.583	27/64	0.410	2.06	0.583	0.381	0.583
Berea	Tanzo Twist BP (Berea)	Metal Cap	none	none	none	none	none	10mm or 25/64	0.385	2.09	0.557	0.357	0.557
Berea	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
Berea	Tool BP - Pocket Multi (Berea)	13/32	0.393	2.00	0.454	0.374	0.454	13/32	0.393	2.36	0.454	0.374	0.454
Berea	Triton Screw Cap RB or FP (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm	0.400	1.85	0.513	0.376	0.481
Berea	Triton Twist BP (Berea)	12.5mm or 0.492	0.483	1.90	0.567	0.460	0.567	10.5mm	0.400	2.33	0.481	0.376	0.481
Berea	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
Berea	Twist BP - 7mm (Berea)	7mm or J	0.268	2.09	0.331	none	0.331	7mm or J	0.268	2.09	0.331	none	0.331
Berea	Twist BP - 7mm Stylus (Berea)	7mm or J	0.268	2.09	0.331	none	0.331	7mm or J	0.268	2.09	0.331	none	0.331
Berea	Virage Screw Cap RB or FP (Berea)	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
Berea	Virage Twist BP (Berea)	27/64	0.410	2.21	0.474	0.381	0.474	none	none	none	none	none	none





## Berea Kit Bushing & Tube References

Revised 1/1/2021

Please report any additions, corrections, suggestions to:

Wayne Racinowski - IAP Library Manager

libman (at) penturners (dot) org

Downloaded from [WWW.PENTURNERS.ORG](http://WWW.PENTURNERS.ORG)

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

Apple & Android Apps,  
are now available Online  
for Imperial English Only!

Dimensions are based on Imperial English.

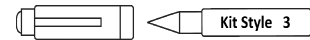
Averaged Bushing Diameter Size  
was used to determine Category Sizing:

Slim = (.301 - .400) Dia.

Medium = (.401 - .500) Dia.

Large = (.501 - .600) Dia.

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



Some Kits May Require  
Modifying Replacement  
Tube Lengths.



Kit Style 0 are Misc. Kit Styles

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
Berea	Woodworkers Click Pencil 5.6mm (Berea)	Extra Large Sized Workshop Pencils	2	1206_Tubes	1206_TL or 40A
Berea	Yari Click BP (Berea)	Medium Sized Single Tube BP Pens	1	1806_TUBE	1603_TL or 58A
Berea	Yari Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	1603_Tube	1603_TL or 58A
Berea	Sierra Super Button Click BP (Berea)	Medium Sized Single Tube BP Pens	1	9502N_Tube	0502_TL or 20A

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.



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## Berea Kit Bushing & Tube References

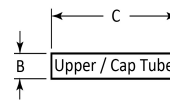
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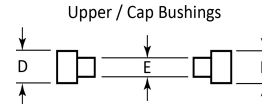
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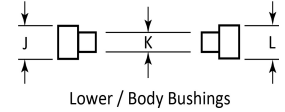
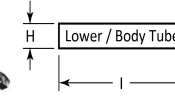
Upper - A Drill Dia.



Tolerances for All Measurements:  
2 - Place Dims +/- .01 & 3 - Place Dims +/- .005



Lower - G Drill Dia.



Use this Chart with Discretion. Manufacturers Change dimensions  
of parts on Occasion. It Should Only be Used as a Reference Guide.

Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		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.
Berea	Woodworkers Click Pencil 5.6mm (Berea)	29/64	unknown	1.65	unknown	unknown	unknown	29/64	unknown	1.65	unknown	unknown	unknown
Berea	Yari Click BP (Berea)	10mm or 25/64	0.385	2.62	unknown	0.357	unknown	none	none	none	none	none	none
Berea	Yari Twist BP (Berea)	10mm or 25/64	0.385	2.62	unknown	0.357	unknown	none	none	none	none	none	none
Berea	Sierra Super Button Click BP (Berea)	27/64	0.410	2.36	0.474	0.381	0.474	none	none	none	none	none	none

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.