



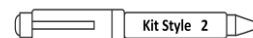
Kits listed in this chart may be available or had been offered in the past by this supplier.

Lee Valley Kit Bushing & Tube Refs.
Imperial English Units Revised 7-2-2023
 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 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
Lee Valley	Atracia Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	88K83.66 (Modify)	88K83.56
Lee Valley	Atracia Twist BP (Berea)	Large Sized BP Pens	2	88K83.66	88K83.55
Lee Valley	Baron Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	88K78.54	88K78.82
Lee Valley	Cambridge Screw Cap RB or FP (Berea)	Ornate Large Sized RB or FP Pens	3	88K78.46	88K78.75
Lee Valley	Cigar Twist BP - Extra Large (Berea)	Large Sized BP Pens	2	88K78.42	88K78.72
Lee Valley	Cigar Twist BP - Extra Large XL (Berea)	Large Sized BP Pens	2	88K78.42	88K78.72
Lee Valley	Cushion Grip Click BP (Berea)	Slim Sized BP Pens	2	88K83.60 (Modify)	88K78.74
Lee Valley	EL Grande Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	88K78.46	88K78.75
Lee Valley	El Toro Screw Cap FP (Berea)	Extra Large Sized RB or FP Pens	3	88K78.53	88K78.81
Lee Valley	Electra Screw Cap RB or FP (Berea)	Large Sized Single Tube RB or FP Pens	3	88K76.18	88K78.83
Lee Valley	Flat Top Double Twist BP (Berea)	Medium Sized BP Pens	2	88K78.49	88K78.78
Lee Valley	Flat Top Double Twist Pencil (Berea)	Medium Sized BP Pens	2	88K78.50	88K78.78
Lee Valley	Flat Top Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	88K78.44	88K78.73
Lee Valley	Flat Top Streamline Twist BP (Berea)	Medium Sized BP Pens	2	88K78.40	88K78.76
Lee Valley	Geta Twist BP (Berea)	Medium Sized Single Tube BP Pens	2	88K83.65	88K83.54
Lee Valley	Glacia Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	88K83.63	88K83.52
Lee Valley	Half Twist BP (Berea)	Large Sized BP Pens	2	88K78.51	88K78.79
Lee Valley	Half Twist Pencil (Berea)	Large Sized Pencils	2	88K78.51	88K78.79



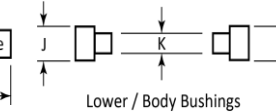
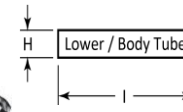
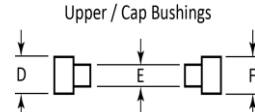
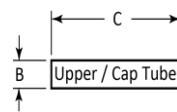
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ALWAYS MEASURE AND RELY ON THE KIT PARTS FOR ACCURACY.

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.
Lee Valley	Atracia 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	2.19	0.512	0.376	0.481
Lee Valley	Atracia 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
Lee Valley	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
Lee Valley	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
Lee Valley	Cigar Twist BP - Extra Large (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
Lee Valley	Cigar Twist BP - Extra Large XL (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
Lee Valley	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
Lee Valley	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
Lee Valley	El Toro Screw Cap FP (Berea)	9/16 or 14.3mm	0.535	1.85	0.621	0.519	0.667	31/64 or 12.3mm	0.470	1.40	0.609	0.450	0.550
Lee Valley	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
Lee Valley	Flat Top Double Twist BP (Berea)	8mm or O	0.311	2.01	0.495	0.286	0.495	8mm or O	0.311	2.01	0.397	0.286	0.397
Lee Valley	Flat Top Double Twist Pencil (Berea)	8mm or O	0.311	2.01	0.495	0.286	0.495	8mm or O	0.311	2.01	0.397	0.286	0.397
Lee Valley	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
Lee Valley	Flat Top Streamline Twist BP (Berea)	7mm or J	0.268	2.09	0.345	x	0.430	7mm or J	0.268	2.09	0.430	x	0.331
Lee Valley	Geta Twist BP (Berea)	Metal Cap	x	x	x	x	x	8mm or O	0.311	1.89	0.389	0.286	0.389
Lee Valley	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
Lee Valley	Half Twist BP (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
Lee Valley	Half Twist 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



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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
Lee Valley	New Series Screw Cap RB or FP (Berea)	Medium Sized RB or FP Pens	3	88K83.61	88K83.51
Lee Valley	New Series Twist BP (Berea)	Medium Sized BP Pens	2	88K83.60	88K83.50
Lee Valley	Olmsted Twist BP (Berea)	Medium Sized BP Pens	2	88K83.67	88K83.57
Lee Valley	Pensar Twist BP - Sierra Styled (Berea)	Ornate Medium Sized BP Pens	1	88K83.62	88K78.80
Lee Valley	Perfume Applicator Pen (Berea)	Slim Sized Specialty Items	0	(Berea) 830_Tubes	88K71.07
Lee Valley	Perfume Atomizer - Pocket (???)	Extra Large Sized Specialty Items	0	(Woodcraft) 06S64	88K71.26
Lee Valley	Razor - Mach 3 Cartridges (Berea)	Large Sized Single Tube Shaving Accessories	0	88K80.15	88K80.19
Lee Valley	Rinehart Screw Cap RB or FP - Reinhart (Berea)	Large Sized RB or FP Pens	3	88K78.54	88K78.82
Lee Valley	Round Top 7mm European Twist BP (???)	Medium Sized BP Pens	2	88K78.43	88K78.71
Lee Valley	Round Top Streamline Twist BP (Berea)	Medium Sized BP Pens	2	88K78.48	88K78.77
Lee Valley	Sierra Button Click BP (Berea)	Medium Sized Single Tube BP Pens	1	88K78.52	88K78.80
Lee Valley	Sierra Half Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	88K78.52	88K78.80
Lee Valley	Sierra Twist BP - Diverse (Berea)	Medium Sized Single Tube BP Pens	1	88K83.69	88K83.58
Lee Valley	Sierra Twist BP - Nomad Carbon Fiber (Berea)	Medium Sized Single Tube BP Pens	1	88K78.52	88K78.80
Lee Valley	Sierra Twist BP - Stylus (Berea)	Medium Sized Single Tube BP Pens with Stylus	1	88K78.52	88K78.80
Lee Valley	Sierra Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	88K78.52	88K78.80
Lee Valley	Slimline Click Pencil - Deco and Greek Key (Berea)	Slim Sized Pencils	2	88K78.41	88K78.70



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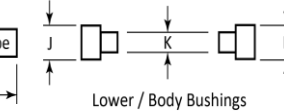
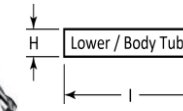
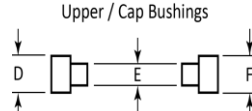
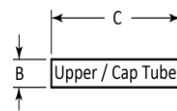
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Lee Valley	New Series Screw Cap RB or FP (Berea)	3/8 or 9.5mm	0.368	1.83	0.488	0.345	0.488	3/8 or 9.5mm	0.368	2.09	0.453	0.345	0.453
Lee Valley	New Series Twist BP (Berea)	8mm or O	0.311	2.01	0.490	0.286	0.490	8mm or O	0.311	2.36	0.390	0.286	0.390
Lee Valley	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
Lee Valley	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
Lee Valley	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
Lee Valley	Perfume Atomizer - Pocket (???)	19/32 or 15mm	0.580	1.38	0.656	0.561	0.656	19/32 or 15mm	0.580	1.50	0.656	0.561	0.656
Lee Valley	Razor - Mach 3 Cartridges (Berea)	7mm or J	0.268	2.56	0.545	x	0.545	Razor Head	x	x	x	x	x
Lee Valley	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
Lee Valley	Round Top 7mm European Twist BP (???)	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
Lee Valley	Round Top Streamline Twist BP (Berea)	7mm or J	0.268	2.09	0.411	x	0.416	7mm or J	0.268	2.21	0.416	x	0.331
Lee Valley	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
Lee Valley	Sierra Half Twist BP (Berea)	27/64 or 10.7mm	0.410	2.21	0.474	0.381	0.474	x	x	x	x	x	x
Lee Valley	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
Lee Valley	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
Lee Valley	Sierra Twist BP - Stylus (Berea)	27/64 or 10.7mm	0.410	2.21	0.474	0.381	0.474	x	x	x	x	x	x
Lee Valley	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
Lee Valley	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



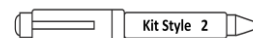
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Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Lee Valley	Slimline Click Pencil (Berea)	Slim Sized Pencils	2	88K78.41	88K78.70
Lee Valley	Slimline Twist BP - Deco and Greek Key (Berea)	Slim Sized BP Pens	2	88K78.40	88K78.70
Lee Valley	Slimline Twist BP - Stylus (Berea)	Slim Sized BP Pens with Stylus	2	88K78.40	88K78.70
Lee Valley	Slimline Twist BP (Berea)	Slim Sized BP Pens	2	88K78.40	88K78.70
Lee Valley	Stylus - Mini Touch with Plug (Berea)	Slim Sized Single Tube Stylus Items	0	88K80.34	88K78.70
Lee Valley	Stylus - Mini Touch with Plug (PSI)	Slim Sized Single Tube Stylus Items	0	88K80.34	88K78.70
Lee Valley	Surfix Twist BP - Duo (Berea)	Slim Sized Single Tube BP Pens	2	88K83.68	88K78.70
Lee Valley	Tools - Woodworkers Sketch Pencil 5.6mm (Berea)	Extra Large Sized Workshop Pencils	2	88K80.74	88K80.73
Lee Valley	Triton Screw Cap RB or FP (Berea)	Large Sized RB or FP Pens	3	88K83.66 (Modify)	88K83.56
Lee Valley	Twist BP and Pencil - Floral and Triangle (Berea)	Medium Sized BP Pens and Pencils	2	88K78.51	88K78.79
Lee Valley	Virage Screw Cap RB or FP (Berea)	Ornate Large Sized RB or FP Pens	3	88K80.64	88K80.63
Lee Valley	Virage Twist BP - Sierra Styled (Berea)	Medium Sized Single Tube BP Pens	1	88K78.52	88K80.53
Lee Valley	Yari Twist BP (Berea)	Medium Sized Single Tube BP Pens	1	88K83.64	88K83.53

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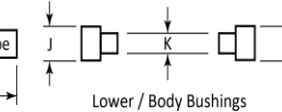
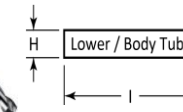
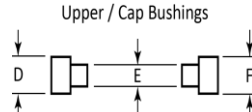
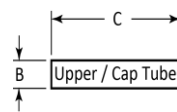
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Lee Valley	Slimline Click Pencil (Berea)	7mm or J	0.268	1.86	0.331	x	0.331	7mm or J	0.268	1.86	0.331	x	0.331
Lee Valley	Slimline Twist BP - Deco and Greek Key (Berea)	7mm or J	0.268	2.09	0.331	x	0.331	7mm or J	0.268	2.09	0.331	x	0.331
Lee Valley	Slimline Twist BP - Stylus (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
Lee Valley	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
Lee Valley	Stylus - Mini Touch with Plug (Berea)	7mm or J	0.268	2.03	0.331	x	0.331	Stylus	x	x	x	x	x
Lee Valley	Stylus - Mini Touch with Plug (PSI)	7mm or J	0.268	1.75	0.331	x	0.331	Stylus	x	x	x	x	x
Lee Valley	Surfix Twist BP - Duo (Berea)	Metal Cap	x	x	x	x	x	7mm or J	0.268	2.36	0.331	x	0.331
Lee Valley	Tools - Woodworkers Sketch Pencil 5.6mm (Berea)	29/64 or 11.5mm	0.437	1.65	?	?	?	29/64 or 11.5mm	0.437	1.65	?	?	?
Lee Valley	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	1.86	0.512	0.376	0.481
Lee Valley	Twist BP and Pencil - Floral and Triangle (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
Lee Valley	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
Lee Valley	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
Lee Valley	Yari Twist BP (Berea)	10mm or 25/64	0.385	2.62	?	0.357	?	x	x	x	x	x	x

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