Penn State Kit Bushing and Tube References

Revised 8-18-16

Please report any additions, corrections, requestes or suggestions to:

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

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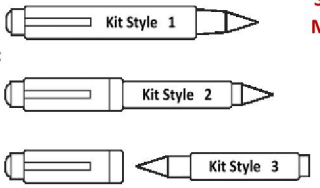
Averaged Bushing Diameter Size was used to determine Category Sizing:

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



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
Penn State (PSI)	American Patriot Screw Cap RB or FP	Ornate Large Sized RB or FP Pens	3	PKT106-6	PKPPRBBU
Penn State (PSI)	American Patriot Twist BP	Ornate Medium Sized BP Pens	2	PKT38-8	PKPPENBU
Penn State (PSI)	Apex SE Click BP	Large Sized Single Tube BP Pens	1	PKVPENTU	PKVPENBU
Penn State (PSI)	Apollo Elite Screw Cap RB or FP	Extra Large Sized RB or FP Pens	3	PKAPTU	PKAPRBU
Penn State (PSI)	Apollo Infinity Closed End RB or FP	Extra Large Sized RB or FP Pens	3	PKMAJJRTU	PKAPCEBU
Penn State (PSI)	Apollo Infinity Screw Cap RB or FP	Extra Large Sized RB or FP Pens	3	PKAPTU	PKAPR2BU
Penn State (PSI)	Apollo Infinity Twist BP	Large Sized BP Pens	2	PKT38-8 and PKT8-8	PKAPBBU
Penn State (PSI)	Big Ben Twist BP with Stylus Tip	Large Sized BP Pens with Stylus	2	PKT10-6	PKBIGBU
Penn State (PSI)	Bling with Crystals Twist BP	Ornate Medium Sized BP Pens	2	PKBLPENTU	PKBCPBU
Penn State (PSI)	Bolt Action 30 Caliber BP	Medium Sized Single Tube Bullet BP Pens	1	PKCP3000TU	PKCP3000BU
Penn State (PSI)	Bolt Action 30 Caliber BP - Bald Eagle	Ornate Medium Sized Single Tube Bullet BP Pens	1	PKCP3000TU	PKCP3000BU
Penn State (PSI)	Bolt Action 30 Caliber BP - Deer Hunter	Ornate Medium Sized Single Tube Bullet BP Pens	1	PKCP3000TU	PKCP3000BU
Penn State (PSI)	Bolt Action 30 Caliber BP - Mini	Medium Sized Single Tube Bullet BP Pens	1	PKCP8200TU	PKCP3000BU
Penn State (PSI)	Bolt Action 30 Caliber BP - Patriotic Etched	Ornate Medium Sized Single Tube Bullet BP Pens	1	PKCP3000TU	PKCP3000BU
Penn State (PSI)	Bolt Action 30 Caliber BP - Salute the Troops	Ornate Medium Sized Single Tube Bullet BP Pens	1	PKCP3000TU	PKCP3000BU
Penn State (PSI)	Bolt Action 30 Caliber BP - Statue of Liberty	Ornate Medium Sized Single Tube Bullet BP Pens	1	PKCP3000TU	PKCP3000BU
Penn State (PSI)	Bolt Action 30 Caliber BP - Steampunk	Ornate Large Sized Single Tube Bullet BP Pens	1	PKT38-8	PKVICBU
Penn State (PSI)	Bolt Action Click Pencil	Medium Sized Single Tube Bullet Pencils	1	PKCP3000TU	PKCP3000BU
Penn State (PSI)	Bolt Action Magnum BP	Large Sized Single Tube Bullet BP Pens	1	PKCP7000TU	PKCP7000BU
Penn State (PSI)	Bolt Action Tec-Pen BP and Stylus	Medium Sized Single Tube Bullet BP with Stylus	1	PKTPENTU	PKTPENBU
Penn State (PSI)	Breast Cancer Awareness Twist BP	Medium Sized BP Pens and Cancer Awareness	2	PKBCPTU	PKBCPBU
Penn State (PSI)	Breast Cancer Awareness Twist BP - Mini	Medium Sized BP Pens and Cancer Awareness	2	PBCMTU	PKBCMBU
Penn State (PSI)	Broadwell Art Deco Twist BP	Ornate Medium Sized Single Tube BP Pens	1	PKMAJSQTU	PKMAJSQBU
Penn State (PSI)	Broadwell Nouveau Sceptre Screw Cap RB or FP	Ornate Large Sized RB or FP Pens	3	PKDBTUA	PKDBBUA
Penn State (PSI)	Broadwell Nouveau Sceptre Twist BP	Ornate Medium Sized Single Tube BP Pens	1	PKDBTPTU	PKMAJSQBU
Penn State (PSI)	Buffalo Bullet Pencil	Medium Sized Single Tube Bullet Pencils	1	PKT38-8	PKEXECBU
Penn State (PSI)	Bullet Cartridge Click 30 Caliber BP and Pencil	Medium Sized Single Tube Bullet BP Pens and Pencils	2	PKCP2400TU	PKCP2400BU
Penn State (PSI)	Bullet Cartridge Flip 50 Caliber BP	Large Sized Single Tube Bullet BP Pens	3	PKT38-8	PK50RBU
Penn State (PSI)	Bullet Cartridge Twist 30 Caliber BP	Medium Sized Single Tube Bullet BP Pens	2	PKCP3000TU	PKCP3000BU
Penn State (PSI)	Bullet Cartridge Twist 30 Caliber BP - Mini	Slim Sized Single Tube Bullet BP Pens	2	PKT7-10	PKMBUSH3
Penn State (PSI)	Bullet Cartridge Twist 50 Caliber BP - Cross Refill	Large Sized Single Tube Bullet BP Pens	2	PK50CALTU	PK50CALBU
Penn State (PSI)	Bullet Cartridge Twist 50 Caliber BP - Parker Refill	Large Sized Single Tube Bullet BP Pens	2	PKT8-8	PK50CALPBU
Penn State (PSI)	Bullet Cartridge Twist Magnum BP	Large Sized Single Tube Bullet BP Pens	2	PKCP7000TU	PKCP7000BU
Penn State (PSI)	Bullet Shell Over Under Shotgun Screw Cap RB or FP	Extra Large Bullet Style RB or FP Pens	3	PKCP6000TU	PKCP6000BU
Penn State (PSI)	Bullet Twist BP - Mini	Extra Large Sized BP Pens	2	PKT7-10	PKBULPENBU
Penn State (PSI)	Cameo Twist BP	Large Sized BP Pens	2	PKCAMTU	PKCAMBU
Penn State (PSI)	Capri Compact RB or FP	Medium Sized RB or FP Pens	3	PKT10-6	PKPAR10B2
Penn State (PSI)	Celtic Screw Cap RB or FP	Ornate Large Sized RB or FP Pens	3	PKT105-6	PKCPENRBU
Penn State (PSI)	Celtic Twist BP	Ornate Large Sized Single Tube BP Pens	1	PKT38-8	PKGAFBU
Penn State (PSI)	CEO Twist BP	Medium Sized Single Tube BP Pens	1	x	PKCEOBU
Penn State (PSI)	Chalk Holder	Large Sized Single Tube Specialty Style Pens	1	PKT125-6	PKCKBU
Penn State (PSI)	Chic-Line Twist BP - and V2	Slim Sized BP Pens	2	PK-TUBE7	PKMBUSH3
Penn State (PSI)	Cigar Click BP - Big Ben	Large Sized BP Pens	2	PKBIGTU	PKBIGBU
Penn State (PSI)	Cigar Pencil .5mm - Big Ben	Large Sized Pencils	2	PKBIGTU	PKBIGBU
Penn State (PSI)	Cigar Click Pencil - Big Ben	Large Sized Pencils	2	PKBIGTU	PKBIGBU
Penn State (PSI)	Cigar Screw Cap FP and RB - Big Ben	Large Sized RB or FP Pens	3	PKT10-6	PKBIGBU

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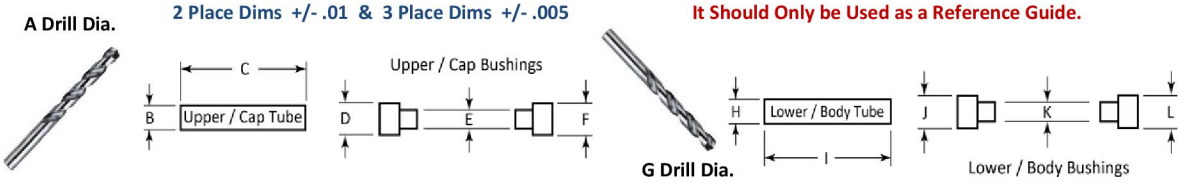

Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Penn State (PSI)	American Patriot Screw Cap RB or FP	10.5mm	0.400	1.17	0.470	0.376	0.510	10.5mm	0.400	2.08	0.500	0.376	0.500
Penn State (PSI)	American Patriot Twist BP	3/8 or V	0.368	1.26	0.480	0.345	0.480	3/8 or V	0.368	1.63	0.480	0.345	0.480
Penn State (PSI)	Apex SE Click BP	8mm or O	0.311	3.50	0.600	0.286	0.331	8mm or O	0.311	0.50	0.404	0.286	0.394
Penn State (PSI)	Apollo Elite Screw Cap RB or FP	9/16	0.548	1.69	0.625	0.535	0.625	12.5mm or 0.492	0.483	2.13	0.536	0.460	0.536
Penn State (PSI)	Apollo Infinity Closed End RB or FP	9/16	0.548	1.70	0.640	0.535	0.000	10.5mm	0.400	2.08	0.553	0.376	0.000
Penn State (PSI)	Apollo Infinity Screw Cap RB or FP	9/16	0.548	1.69	0.625	0.535	0.642	12.5mm or 0.492	0.483	2.13	0.540	0.460	0.555
Penn State (PSI)	Apollo Infinity Twist BP	3/8 or V	0.368	1.64	0.511	0.345	0.511	8mm or O	0.311	2.05	0.422	0.286	0.402
Penn State (PSI)	Big Ben Twist BP with Stylus Tip	10mm or 25/64	0.385	1.90	0.476	0.357	0.576	10mm or 25/64	0.385	2.05	0.528	0.357	0.460
Penn State (PSI)	Bling with Crystals Twist BP	3/8 or V	0.368	1.75	0.408	0.345	0.520	8mm or O	0.311	2.31	0.445	0.286	0.382
Penn State (PSI)	Bolt Action 30 Caliber BP	3/8 or V	0.368	1.97	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Bolt Action 30 Caliber BP - Bald Eagle	3/8 or V	0.368	1.97	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Bolt Action 30 Caliber BP - Deer Hunter	3/8 or V	0.368	1.97	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Bolt Action 30 Caliber BP - Mini	3/8 or V	0.368	1.38	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Bolt Action 30 Caliber BP - Patriotic Etched	3/8 or V	0.368	1.97	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Bolt Action 30 Caliber BP - Salute the Troops	3/8 or V	0.368	1.97	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Bolt Action 30 Caliber BP - Statue of Liberty	3/8 or V	0.368	1.97	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Bolt Action 30 Caliber BP - Steampunk	3/8 or V	0.368	1.85	0.550	0.345	0.550	x	x	x	x	x	x
Penn State (PSI)	Bolt Action Click Pencil	3/8 or V	0.368	1.97	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Bolt Action Magnum BP	10mm or 25/64	0.385	2.06	0.525	0.357	0.525	x	x	x	x	x	x
Penn State (PSI)	Bolt Action Tec-Pen BP and Stylus	8mm or O	0.311	2.40	0.425	0.286	0.425	x	x	x	x	x	x
Penn State (PSI)	Breast Cancer Awareness Twist BP	3/8 or V	0.368	1.75	0.408	0.345	0.520	8mm or O	0.311	2.44	0.445	0.286	0.382
Penn State (PSI)	Breast Cancer Awareness Twist BP - Mini	7mm or J	0.268	1.50	0.407	x	0.466	7mm or J	0.268	1.75	0.350	x	0.331
Penn State (PSI)	Broadwell Art Deco Twist BP	3/8 or V	0.368	2.00	0.495	0.345	0.495	x	x	x	x	x	x
Penn State (PSI)	Broadwell Nouveau Sceptre Screw Cap RB or FP	12.5mm or 0.492	0.483	1.69	0.648	0.460	0.575	10.5mm	0.400	2.09	0.513	0.376	0.513
Penn State (PSI)	Broadwell Nouveau Sceptre Twist BP	3/8 or V	0.368	1.88	0.495	0.345	0.495	x	x	x	x	x	x
Penn State (PSI)	Buffalo Bullet Pencil	3/8 or V	0.368	2.75	0.420	0.345	0.420	x	x	x	x	x	x
Penn State (PSI)	Bullet Cartridge Click 30 Caliber BP and Pencil	8mm or O	0.311	2.03	0.466	0.286	0.466	x	x	x	x	x	x
Penn State (PSI)	Bullet Cartridge Flip 50 Caliber BP	3/8 or V	0.368	2.12	0.505	0.345	0.505	x	x	x	x	x	x
Penn State (PSI)	Bullet Cartridge Twist 30 Caliber BP	3/8 or V	0.368	1.97	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Bullet Cartridge Twist 30 Caliber BP - Mini	7mm or J	0.268	0.88	0.331	x	0.331	x	x	x	x	x	x
Penn State (PSI)	Bullet Cartridge Twist 50 Caliber BP - Cross Refill	x	x	x	0.572	x	0.572	7mm or J	0.268	2.50	0.370	x	0.370
Penn State (PSI)	Bullet Cartridge Twist 50 Caliber BP - Parker Refill	x	x	x	0.566	x	0.566	8mm or O	0.311	2.88	0.368	0.286	0.368
Penn State (PSI)	Bullet Cartridge Twist Magnum BP	10mm or 25/64	0.385	2.06	0.525	0.357	0.525	x	x	x	x	x	x
Penn State (PSI)	Bullet Shell Over Under Shotgun Screw Cap RB or FP	9/16	0.548	1.86	0.625	0.535	0.625	12.5mm or 0.492	0.483	2.06	0.541	0.460	0.541
Penn State (PSI)	Bullet Twist BP - Mini	7mm or J	0.268	2.03	0.360	x	0.625	7mm or J	0.268	1.19	0.625	x	0.342
Penn State (PSI)	Cameo Twist BP	3/8 or V	0.368	2.56	0.511	0.345	0.443	8mm or O	0.311	1.13	0.478	0.286	0.316
Penn State (PSI)	Capri Compact RB or FP	10mm or 25/64	0.385	1.63	0.495	0.357	0.495	10mm or 25/64	0.385	2.28	0.443	0.357	0.443
Penn State (PSI)	Celtic Screw Cap RB or FP	12.5mm or 0.492	0.483	1.22	0.528	0.460	0.575	10.5mm	0.400	2.60	0.515	0.376	0.515
Penn State (PSI)	Celtic Twist BP	3/8 or V	0.368	2.94	0.525	0.345	0.525	x	x	x	x	x	x
Penn State (PSI)	CEO Twist BP	U	0.358	3.00	0.425	0.335	0.425	x	x	x	x	x	x
Penn State (PSI)	Chalk Holder	12.5mm or 0.492	0.483	2.96	0.571	0.460	0.571	x	x	x	x	x	x
Penn State (PSI)	Chic-Line Twist BP - and V2	7mm or J	0.268	2.03	0.331	x	0.331	7mm or J	0.268	2.03	0.331	x	0.331
Penn State (PSI)	Cigar Click BP - Big Ben	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
Penn State (PSI)	Cigar Pencil .5mm - Big Ben	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
Penn State (PSI)	Cigar Click Pencil - Big Ben	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
Penn State (PSI)	Cigar Screw Cap FP and RB - Big Ben	10mm or 25/64	0.385	2.00	0.475	0.357	0.575	10mm or 25/64	0.385	2.13	0.530	0.357	0.459

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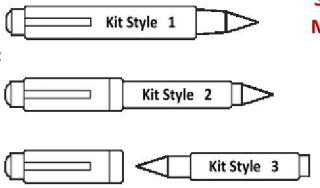

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Size Determined by Supplier

Kit Supplier	Kit Description	Category & Size	Kit Style	Replacement Tubes	Bushing Set
Penn State (PSI)	Cigar Twist BP - Big Ben	Large Sized BP Pens	2	PKBIGTU	PKBIGBU
Penn State (PSI)	Cigar Twist BP - Big Ben with Stylus Tip	Large Sized BP Pens with Stylus	2	PKT10-6	PKBIGBU
Penn State (PSI)	Civil War Bullet Twist Pen	Large Sized Single Tube Bullet BP Pens	1	PKCWPENTU	PKCWPENBU
Penn State (PSI)	Classic Click BP	Medium Sized BP Pens	2	PKSPCL2TU and PKT8-8	PKPARKBU2
Penn State (PSI)	Classic Elite II Screw Cap RB or FP	Medium Sized RB or FP Pens	3	PKT10-6	PKPAR10B2
Penn State (PSI)	Classic Elite Petite Snap Cap Fountain Flow RB	Medium Sized RB or FP Pens	3	PKT10-6	PKPAR10B2
Penn State (PSI)	Classic Elite Screw Cap RB or FP	Medium Sized RB or FP Pens	3	PKT10-6	PKPAR10B2
Penn State (PSI)	Classic Elite Snap Cap RB or FP	Medium Sized RB or FP Pens	3	PKT10-6	PKPAR10B2
Penn State (PSI)	Classic Screw Cap RB or FP	Medium Sized RB or FP Pens	3	PKT10-6	PKPAR10B2
Penn State (PSI)	Classic Screw Cap RB or FP (NT)	Medium Sized RB or FP Pens	3	PKT10-6	PKPAR10-B2
Penn State (PSI)	Classic Screw Cap RB or FP - and Elite	Medium Sized RB or FP Pens	3	PKT10-6	PKPAR10B2
Penn State (PSI)	Classic Twist .7mm Pencil	Medium Sized Pencils	2	PKT8-8	PKPARKBU3
Penn State (PSI)	Classic Twist BP	Medium Sized BP Pens	2	PKT8-8	PKPARKBU
Penn State (PSI)	Comfort Pencil - Funline	Medium Sized Pencils	2	PKTUBE7	PKCFBUSH
Penn State (PSI)	Comfort Twist BP - Funline	Medium Sized BP Pens	2	PKTUBE7	PKCFBUSH
Penn State (PSI)	Comfort Twist BP and Click Pencil	Medium Sized BP Pens and Pencils	2	PKTUBE7	PKCFBUSH
Penn State (PSI)	Compson Click BP	Medium Sized Single Tube BP Pens	1	PKJPENTU	PKJPENBU
Penn State (PSI)	Concava Twist BP	Large Sized BP Pens	2	PKCONTU	PKCONBU
Penn State (PSI)	Cortona Twist BP	Medium Sized Single Tube BP Pens	1	PKT8-8	PKCORBU
Penn State (PSI)	Cortona Twist BP with Stylus	Medium Sized Single Tube BP Pens with Stylus	1	PKT8-8	PKCORBU
Penn State (PSI)	Cowboy Twist BP (AKA Western)	Ornate Large Sized BP Pens	2	PKT8-8	PKWESTBU
Penn State (PSI)	Crochet Hook Set - Interchangeable	Medium Sized Single Tube Specialty Items	Other	PKSR1TU	BKSRBU
Penn State (PSI)	Crown Jewel Twist BP (AKA Royal)	Ornate Medium Sized Single Tube BP Pens	1	PKRYLTU	PKNICKBU
Penn State (PSI)	Curvado Twist BP	Large Sized BP Pens	2	PKT8-8	PKSPENBU
Penn State (PSI)	Designer NT Twist BP	Medium Sized BP Pens	2	PKT7-10	PKMONT2BU
Penn State (PSI)	Designer NT Twist BP - Mini	Medium Sized BP Pens	2	PKT7-10	PKMONT2BU and PKMBUSH3
Penn State (PSI)	Designer NT Twist BP - Premium	Medium Sized BP Pens	2	PKT8-8	PKMONTPRBU
Penn State (PSI)	Designer NT Twist Pencil	Medium Sized Pencils	2	PKT8-8	PKMONT3BU
Penn State (PSI)	Designer Twist BP	Medium Sized BP Pens	2	MONTTUBE5	PKMONTBUY
Penn State (PSI)	Designer Twist BP - Funline	Medium Sized BP Pens	2	MONTTUBE5	PKMONTBUY
Penn State (PSI)	Designer Twist BP - Mini	Medium Sized BP Pens	2	PKT7-10	PKMONTBU2
Penn State (PSI)	Designer Twist Pencil	Medium Sized Pencils	2	?	PKMONT-BU4
Penn State (PSI)	Diamond File Pen	Slim Sized Specialty Style Pens	2	PKT7-10	PKMBUSH3
Penn State (PSI)	Disc Stylus Twist BP	Medium Sized BP Pens with Stylus	2	PKT7-10	PKDSTYBU
Penn State (PSI)	Diva Charm Twist BP	Ornate Medium Sized Single Tube BP Pens	1	PKCHPENTU	PKCHPENBU
Penn State (PSI)	Dragon Twist BP	Ornate Large Sized BP Pens	2	PKT38-8	PKDRABU
Penn State (PSI)	Duchess Twist BP	Medium Sized Single Tube BP Pens	2	PKDUTU	PKCFBUSH
Penn State (PSI)	Duchess Twist BP - Mini	Medium Sized Single Tube BP Pens	2	PKDUNTU	PKCFBUSH
Penn State (PSI)	Executive Twist BP and Pencil .7mm	Medium Sized Single Tube BP Pens and Pencils	1	PKT38-8	PKEXECBU
Penn State (PSI)	Executive Twist BP with Stylus Tip	Medium Sized Single Tube BP Pens with Stylus	1	PKT38-8	PKEXECBU
Penn State (PSI)	EZ Grasp Gelwriter Click BP	Medium Sized BP Pens	2	PKT8-8	PKEZBU
Penn State (PSI)	Faith Hope Love Twist BP	Ornate Large Sized BP Pens	2	PKT8-8	PKHPENBU
Penn State (PSI)	Falcon Twist BP	Medium Sized Single Tube BP Pens	1	PKT38-8	PKCP3000BU
Penn State (PSI)	Federal Twist BP	Ornate Medium Sized Single Tube BP Pens	1	PKT38-8	PKFEDBU
Penn State (PSI)	Filibella Twist BP	Ornate Medium Sized BP Pens	2	PKFPENTU	PKFPENBU

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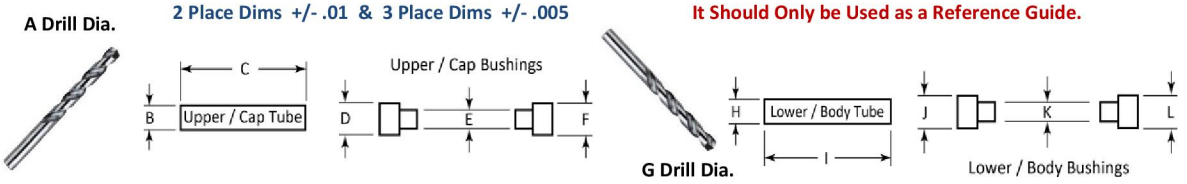

Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Penn State (PSI)	Cigar Twist BP - Big Ben	10mm or 25/64	0.385	1.94	0.475	0.357	0.575	10mm or 25/64	0.385	2.06	0.530	0.357	0.459
Penn State (PSI)	Cigar Twist BP - Big Ben with Stylus Tip	10mm or 25/64	0.385	1.90	0.476	0.357	0.576	10mm or 25/64	0.385	2.05	0.528	0.357	0.460
Penn State (PSI)	Civil War Bullet Twist Pen	3/8 or V	0.368	2.88	0.586	0.345	0.485	x	x	x	x	x	x
Penn State (PSI)	Classic Click BP	11mm	0.415	2.11	0.490	0.389	0.490	8mm or O	0.311	1.78	0.391	0.286	0.400
Penn State (PSI)	Classic Elite II Screw Cap RB or FP	10mm or 25/64	0.385	1.63	0.495	0.357	0.495	10mm or 25/64	0.385	2.28	0.443	0.357	0.443
Penn State (PSI)	Classic Elite Petite Snap Cap Fountain Flow RB	10mm or 25/64	0.385	1.63	0.495	0.357	0.495	10mm or 25/64	0.385	1.53	0.443	0.357	0.443
Penn State (PSI)	Classic Elite Screw Cap RB or FP	10mm or 25/64	0.385	1.81	0.495	0.357	0.495	10mm or 25/64	0.385	2.28	0.443	0.357	0.443
Penn State (PSI)	Classic Elite Snap Cap RB or FP	10mm or 25/64	0.385	1.63	0.495	0.357	0.495	10mm or 25/64	0.385	2.28	0.443	0.357	0.443
Penn State (PSI)	Classic Screw Cap RB or FP	10mm or 25/64	0.385	2.00	0.495	0.357	0.495	10mm or 25/64	0.385	2.00	0.443	0.357	0.443
Penn State (PSI)	Classic Screw Cap RB or FP (NT)	10mm or 25/64	0.385	1.63	0.495	0.357	0.495	10mm or 25/64	0.385	2.00	0.443	0.357	0.443
Penn State (PSI)	Classic Screw Cap RB or FP - and Elite	10mm or 25/64	0.385	1.81	0.495	0.357	0.495	10mm or 25/64	0.385	2.28	0.443	0.357	0.443
Penn State (PSI)	Classic Twist .7mm Pencil	8mm or O	0.311	2.00	0.495	0.286	0.495	8mm or O	0.311	2.00	0.400	0.286	0.400
Penn State (PSI)	Classic Twist BP	8mm or O	0.311	2.00	0.490	0.286	0.490	8mm or O	0.311	2.00	0.400	0.286	0.400
Penn State (PSI)	Comfort Pencil - Funline	7mm or J	0.268	2.03	0.420	x	0.420	7mm or J	0.268	2.03	0.420	x	0.331
Penn State (PSI)	Comfort Twist BP - Funline	7mm or J	0.268	2.03	0.420	x	0.420	7mm or J	0.268	2.03	0.420	x	0.331
Penn State (PSI)	Comfort Twist BP and Click Pencil	7mm or J	0.268	2.03	0.420	x	0.420	7mm or J	0.268	2.03	0.420	x	0.331
Penn State (PSI)	Compson Click BP	3/8 or V	0.368	2.94	0.456	0.345	0.440	x	x	x	x	x	x
Penn State (PSI)	Concava Twist BP	7mm or J	0.268	1.69	0.520	x	0.520	7mm or J	0.268	2.25	0.450	x	0.331
Penn State (PSI)	Cortona Twist BP	8mm or O	0.311	2.99	0.417	0.286	0.417	x	x	x	x	x	x
Penn State (PSI)	Cortona Twist BP with Stylus	8mm or O	0.311	2.99	0.417	0.286	0.417	x	x	x	x	x	x
Penn State (PSI)	Cowboy Twist BP (AKA Western)	8mm or O	0.311	1.65	0.600	0.286	0.506	8mm or O	0.311	1.57	0.506	0.286	0.506
Penn State (PSI)	Crochet Hook Set - Interchangeable	8mm or O	0.311	3.13	0.430	0.286	0.375	x	x	x	x	x	x
Penn State (PSI)	Crown Jewel Twist BP (AKA Royal)	11/32 or S	0.338	3.13	0.420	0.316	0.420	x	x	x	x	x	x
Penn State (PSI)	Curvado Twist BP	8mm or O	0.311	1.88	0.400	0.286	0.600	8mm or O	0.311	2.06	0.600	0.286	0.400
Penn State (PSI)	Designer NT Twist BP	7mm or J	0.268	2.03	0.407	x	0.522	7mm or J	0.268	2.38	0.420	x	0.358
Penn State (PSI)	Designer NT Twist BP - Mini	7mm or J	0.268	1.50	0.331	x	0.522	7mm or J	0.268	1.69	0.420	x	0.331
Penn State (PSI)	Designer NT Twist BP - Premium	8mm or O	0.311	2.03	0.415	0.286	0.522	8mm or O	0.311	2.38	0.425	0.286	0.368
Penn State (PSI)	Designer NT Twist Pencil	8mm or O	0.311	2.03	0.400	0.286	0.522	8mm or O	0.311	2.38	0.400	0.286	0.358
Penn State (PSI)	Designer Twist BP	7mm or J	0.268	2.03	0.407	x	0.522	7mm or J	0.268	2.38	0.420	x	0.357
Penn State (PSI)	Designer Twist BP - Funline	7mm or J	0.268	2.13	0.407	x	0.522	7mm or J	0.268	2.38	0.420	x	0.357
Penn State (PSI)	Designer Twist BP - Mini	7mm or J	0.268	1.50	0.331	x	0.522	7mm or J	0.268	1.69	0.420	x	0.331
Penn State (PSI)	Designer Twist Pencil	8mm or O	0.311	2.09	0.400	0.286	0.522	8mm or O	0.311	2.36	0.400	0.286	0.358
Penn State (PSI)	Diamond File Pen	7mm or J	0.268	3.06	0.331	x	0.331	7mm or J	0.268	1.13	0.331	x	0.331
Penn State (PSI)	Disc Stylus Twist BP	7mm or J	0.268	1.46	0.420	x	0.420	7mm or J	0.268	2.13	0.420	x	0.420
Penn State (PSI)	Diva Charm Twist BP	3/8 or V	0.368	2.13	0.445	0.345	0.445	x	x	x	x	x	x
Penn State (PSI)	Dragon Twist BP	3/8 or V	0.368	1.60	0.580	0.345	0.540	3/8 or V	0.368	1.45	0.540	0.345	0.540
Penn State (PSI)	Duchess Twist BP	x	x	x	x	x	x	7mm or J	0.268	2.44	0.420	x	0.331
Penn State (PSI)	Duchess Twist BP - Mini	x	x	x	x	x	x	7mm or J	0.268	1.69	0.420	x	0.331
Penn State (PSI)	Executive Twist BP and Pencil .7mm	3/8 or V	0.368	2.88	0.420	0.345	0.420	x	x	x	x	x	x
Penn State (PSI)	Executive Twist BP with Stylus Tip	3/8 or V	0.368	2.85	0.420	0.345	0.420	x	x	x	x	x	x
Penn State (PSI)	EZ Grasp Gelwriter Click BP	8mm or O	0.311	2.75	0.625 & 0.425	0.286	0.425	8mm or O	0.311	1.31	0.425	0.286	0.425
Penn State (PSI)	Faith Hope Love Twist BP	8mm or O	0.311	1.75	0.550	0.286	0.500	8mm or O	0.311	2.13	0.500	0.286	0.430
Penn State (PSI)	Falcon Twist BP	3/8 or V	0.368	2.98	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Federal Twist BP	3/8 or V	0.368	2.85	0.483	0.345	0.429	x	x	x	x	x	x
Penn State (PSI)	Filibella Twist BP	8mm or O	0.311	0.97	0.410	0.286	0.530	7mm or J	0.268	2.25	0.517	x	0.350

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Revised 8-18-16

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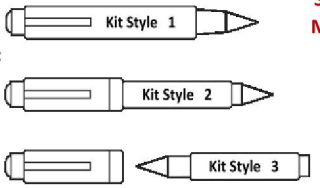
Note: All data was compiled from suppliers published kit, tube and bushing information.

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.

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
Penn State (PSI)	Fly Fishing Twist BP	Ornate Medium Sized Single Tube BP Pens	1	PKT38-8	PKPPENBU
Penn State (PSI)	Gatsby Click BP	Medium Sized Single Tube BP Pens	1	PKGATU	PKGABU
Penn State (PSI)	Gatsby Click Pencil .7mm	Medium Sized Single Tube Pencils	1	PKGATU	PKGABU
Penn State (PSI)	Gatsby Grande Twist BP	Large Sized Single Tube BP Pens	1	PKGAPENFTU	PKGAFBU
Penn State (PSI)	Gatsby Twist BP (V2)	Medium Sized Single Tube BP Pens	1	PKGATU	PKGABU
Penn State (PSI)	Gearshift BP	Medium Sized Single Tube BP Pens	1	PKT38-8	PKMAJSQBU
Penn State (PSI)	Gemini Click BP	Medium Sized Single Tube BP Pens	1	PKT38-8	PKGEMBU
Penn State (PSI)	Gemini Click Pencil .7mm	Medium Sized Single Tube Pencils	1	PKT38-8	PKGEMBU
Penn State (PSI)	Gothica Twist BP	Ornate Large Sized Single Tube BP Pens	1	PKT38-8	PKVICBU
Penn State (PSI)	Graduate Magnetic RB or FP	Large Sized RB or FP Pens	3	PKGRAD2TU or PKMAJJRTU	PKGRAD2BU
Penn State (PSI)	Graduate Post Twist BP	Large Sized BP Pens	2	PKGRAPTU	PKGRAPBU
Penn State (PSI)	Graduate Twist BP	Medium Sized BP Pens	2	PKGRADTU	PKGRADBU
Penn State (PSI)	Guardian Click BP	Extra Large Sized Single Tube BP Pens	1	PKGDTU	PKGDPENBU
Penn State (PSI)	Guardian Jr Click BP	Large Sized Single Tube BP Pens	1	PKGDTU	PKGDJRBU
Penn State (PSI)	Guardian Snap Cap RB or FP	Extra Large Sized RB or FP Pens	3	PKGDRBTU	PKGDRBBU
Penn State (PSI)	Knights Armor Twist BP	Ornate Medium Sized Single Tube BP Pens	1	PKT38-8	PKMAJSQBU
Penn State (PSI)	Knurl GT Twist BP	Medium Sized Single Tube BP Pens	1	PKT38-8	PKKNBU
Penn State (PSI)	Knurl GT Twist BP with Stylus	Medium Sized Single Tube BP Pens with Stylus	1	PKT38-8	PKKNBU
Penn State (PSI)	Lady Designer Twist BP	Medium Sized BP Pens	2	PKTUBE7	PKMONTLBU
Penn State (PSI)	Lipstick Twist BP - Mini	Extra Large Sized BP Pens	2	?	PKLSBU
Penn State (PSI)	Longwood Click BP	Medium Sized BP Pens	2	PKT7-10	PKLONGBU
Penn State (PSI)	Longwood Click Pencil	Medium Sized Pencils	2	PKT7-10	PKLONGBU
Penn State (PSI)	Longwood Twist 30 Caliber BP	Slim Sized Single Tube Bullet BP Pens	1	PKCP3800TU	PKCP3000BU
Penn State (PSI)	Majestic Jr Closed End RB or FP	Large Style RB or FP Pens	3	PKMAJJRTU	PKMJJRCBU
Penn State (PSI)	Majestic Jr Screw Cap RB or FP	Large Style RB or FP Pens	3	PKGRAD2TU or PKMAJJRTU	PKMAJJRBU
Penn State (PSI)	Majestic Screw Cap RB or FP	Extra Large Sized RB or FP Pens	3	PKMAJTU	PKMAJBU
Penn State (PSI)	Majestic Squire Twist BP	Medium Sized Single Tube BP Pens	1	PKMAJSQTU	PKMAJSQBU
Penn State (PSI)	Mayan Twist BP	Ornate Large Sized BP Pens	2	PKT8-8	PKMAYBU
Penn State (PSI)	Mechanical 2mm Click Pencil	Medium Sized Single Tube Pencils	1	PKT38-8	PKMPLBU
Penn State (PSI)	Metallo 7mm Twist BP	Slim Sized Single Tube BP Pens	2	PKT7-10	PKMT7BU
Penn State (PSI)	Metallo 8mm Twist BP	Medium Sized Single Tube BP Pens	2	PKT8-8	PKMT8BU
Penn State (PSI)	Mini Click BP	Medium Sized Single Tube BP Pens	1	PKT10-6	PKMINCLKBU
Penn State (PSI)	Miniature Purse BP	Medium Sized BP Pens	3	PKT38-8	PKPURSEBU
Penn State (PSI)	Montague Twist BP	Ornate Large Sized Single Tube BP Pens	1	PKT38-8	PKGAFBU
Penn State (PSI)	Music Twist BP	Ornate Large Sized BP Pens	2	PKT8-8	PKMUSBU
Penn State (PSI)	Nautical Twist BP	Ornate Medium Sized Single Tube BP Pens	1	PKT38-8	PKMAJSQBU
Penn State (PSI)	Olympian Elite 2 Screw Cap RB or FP	Extra Large Sized RB or FP Pens	3	PKOLTU	PKOL2BU
Penn State (PSI)	Olympian Elite Closed End RB or FP	Extra Large Sized RB or FP Pens	3	PKMAJJRTU	PKOLCEBU
Penn State (PSI)	Olympian Elite Screw Cap RB or FP	Extra Large Sized RB or FP Pens	3	PKOLTU	PKOLBU
Penn State (PSI)	Oxford Screw Cap RB or FP	Medium Sized Single Tube RB or FP Pens	3	PKL750TU	PKL750BU
Penn State (PSI)	Oxford Screw Cap RB or FP (V2)	Medium Sized Single Tube RB or FP Pens	3	PKT10-6	PKL760BU
Penn State (PSI)	Oxford Twist BP	Mediuj Sized Single Tube BP Pens	2	PKT7-10	PKJPENBU
Penn State (PSI)	Patrizio Twist BP and Click Pencil	Medium Sized BP Pens and Pencils	2	PKPATPENTU	PKPATPENBU
Penn State (PSI)	Patrizio Twist BP and Click Pencil - Europa	Medium Sized BP Pens and Pencils	2	PKPATPENTU	PKPATDSBU
Penn State (PSI)	Phoenix Rising Twist BP	Ornate Large Sized Single Tube BP Pens	1	PKT38-8	PKVICBU
Penn State (PSI)	Polaris Click BP	Medium Sized Single Tube BP Pens	1	PKT38-8	PKPOLBU

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

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

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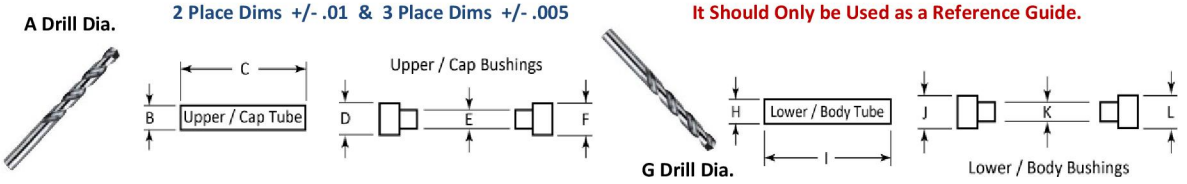

Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Penn State (PSI)	Fly Fishing Twist BP	3/8 or V	0.368	2.92	0.480	0.345	0.480	x	x	x	x	x	x
Penn State (PSI)	Gatsby Click BP	27/64	0.410	2.25	0.474	0.381	0.474	x	x	x	x	x	x
Penn State (PSI)	Gatsby Click Pencil .7mm	27/64	0.410	2.25	0.474	0.381	0.474	x	x	x	x	x	x
Penn State (PSI)	Gatsby Grande Twist BP	3/8 or V	0.368	2.19	0.525	0.345	0.525	x	x	x	x	x	x
Penn State (PSI)	Gatsby Twist BP (V2)	27/64	0.410	2.25	0.474	0.381	0.474	x	x	x	x	x	x
Penn State (PSI)	Gearshift BP	3/8 or V	0.368	2.20	0.495	0.345	0.495	x	x	x	x	x	x
Penn State (PSI)	Gemini Click BP	3/8 or V	0.368	2.81	0.475	0.345	0.475	x	x	x	x	x	x
Penn State (PSI)	Gemini Click Pencil .7mm	3/8 or V	0.368	2.81	0.475	0.345	0.475	x	x	x	x	x	x
Penn State (PSI)	Gothica Twist BP	3/8 or V	0.368	3.31	0.550	0.345	0.550	x	x	x	x	x	x
Penn State (PSI)	Graduate Magnetic RB or FP	12.5mm or 0.492	0.483	1.69	0.551	0.460	0.575	10.5mm	0.400	3.00	0.516	0.376	0.516
Penn State (PSI)	Graduate Post Twist BP	10mm or 25/64	0.385	1.88	0.515	0.357	0.515	8mm or O	0.311	2.00	0.475	0.286	0.475
Penn State (PSI)	Graduate Twist BP	3/8 or V	0.368	1.75	0.430	0.345	0.520	7mm or J	0.268	2.44	0.430	x	0.323
Penn State (PSI)	Guardian Click BP	8mm or O	0.311	2.69	0.625	0.286	0.625	x	x	x	x	x	x
Penn State (PSI)	Guardian Jr Click BP	8mm or O	0.311	2.69	0.555	0.286	0.555	x	x	x	x	x	x
Penn State (PSI)	Guardian Snap Cap RB or FP	9/16	0.548	1.38	0.625	0.535	0.625	27/64	0.410	1.78	0.530	0.381	0.530
Penn State (PSI)	Knights Armor Twist BP	3/8 or V	0.368	2.66	0.495	0.345	0.495	x	x	x	x	x	x
Penn State (PSI)	Knurl GT Twist BP	3/8 or V	0.368	2.97	0.472	0.345	0.472	x	x	x	x	x	x
Penn State (PSI)	Knurl GT Twist BP with Stylus	3/8 or V	0.368	2.96	0.472	0.345	0.472	x	x	x	x	x	x
Penn State (PSI)	Lady Designer Twist BP	7mm or J	0.268	2.03	0.331	x	0.500	7mm or J	0.268	2.03	0.400	x	0.331
Penn State (PSI)	Lipstick Twist BP - Mini	12.5mm or 0.492	0.483	1.25	0.623	0.460	0.623	12.5mm or 0.492	0.483	1.25	0.623	0.460	0.623
Penn State (PSI)	Longwood Click BP	7mm or J	0.268	3.16	0.420	x	0.420	7mm or J	0.268	1.00	0.420	x	0.331
Penn State (PSI)	Longwood Click Pencil	7mm or J	0.268	3.16	0.420	x	0.420	7mm or J	0.268	1.00	0.420	x	0.331
Penn State (PSI)	Longwood Twist 30 Caliber BP	3/8 or V	0.368	3.31	0.466	0.345	0.466	x	x	x	x	x	x
Penn State (PSI)	Majestic Jr Closed End RB or FP	12.5mm or 0.492	0.483	1.90	0.551	0.460	0.000	10.5mm	0.400	2.03	0.516	0.376	0.000
Penn State (PSI)	Majestic Jr Screw Cap RB or FP	12.5mm or 0.492	0.483	1.88	0.551	0.460	0.575	10.5mm	0.400	2.03	0.516	0.376	0.516
Penn State (PSI)	Majestic Screw Cap RB or FP	37/64	0.571	1.97	0.650	0.547	0.650	15/32	0.450	2.15	0.598	0.427	0.570
Penn State (PSI)	Majestic Squire Twist BP	3/8 or V	0.368	2.00	0.495	0.345	0.495	x	x	x	x	x	x
Penn State (PSI)	Mayan Twist BP	8mm or O	0.311	1.70	0.572	0.286	0.515	8mm or O	0.311	1.70	0.515	0.286	0.515
Penn State (PSI)	Mechanical 2mm Click Pencil	3/8 or V	0.368	3.12	0.433	0.345	0.433	x	x	x	x	x	x
Penn State (PSI)	Metallo 7mm Twist BP	x	x	x	x	x	x	7mm or J	0.268	2.25	0.360	x	0.360
Penn State (PSI)	Metallo 8mm Twist BP	x	x	x	x	x	x	8mm or O	0.311	2.25	0.425	0.286	0.425
Penn State (PSI)	Mini Click BP	10mm or 25/64	0.385	2.75	0.466	0.357	0.446	x	x	x	x	x	x
Penn State (PSI)	Miniature Purse BP	3/8 or V	0.368	1.50	0.413	0.345	0.413	3/8 or V	0.368	1.78	0.413	0.345	0.413
Penn State (PSI)	Montague Twist BP	3/8 or V	0.368	2.85	0.525	0.345	0.525	x	x	x	x	x	x
Penn State (PSI)	Music Twist BP	8mm or O	0.311	1.70	0.570	0.286	0.600	8mm or O	0.311	1.44	0.535	0.286	0.525
Penn State (PSI)	Nautical Twist BP	3/8 or V	0.368	2.62	0.495	0.345	0.495	x	x	x	x	x	x
Penn State (PSI)	Olympian Elite 2 Screw Cap RB or FP	33/64	0.510	1.69	0.592	0.494	0.655	31/64	0.470	2.00	0.536	0.450	0.536
Penn State (PSI)	Olympian Elite Closed End RB or FP	12.5mm or 0.492	0.483	1.70	0.642	0.460	0.000	10.5mm	0.400	1.98	0.538	0.376	0.000
Penn State (PSI)	Olympian Elite Screw Cap RB or FP	33/64	0.510	1.69	0.592	0.494	0.592	31/64	0.470	2.00	0.536	0.450	0.536
Penn State (PSI)	Oxford Screw Cap RB or FP	Metal Cap	x	x	x	x	x	13/32	?	?	0.475	0.374	0.475
Penn State (PSI)	Oxford Screw Cap RB or FP (V2)	Metal Cap	x	x	x	x	x	10mm or 25/64	0.385	?	0.478	0.357	0.478
Penn State (PSI)	Oxford Twist BP	Metal Cap	x	x	x	x	x	7mm or J	0.268	2.36	0.456	x	0.440
Penn State (PSI)	Patrizio Twist BP and Click Pencil	7mm or J	0.268	1.47	0.440	x	0.470	7mm or J	0.268	1.47	0.470	x	0.420
Penn State (PSI)	Patrizio Twist BP and Click Pencil - Europa	7mm or J	0.268	1.47	0.450	x	0.480	7mm or J	0.268	1.47	0.440	x	0.373
Penn State (PSI)	Phoenix Rising Twist BP	3/8 or V	0.368	2.67	0.550	0.345	0.550	x	x	x	x	x	x
Penn State (PSI)	Polaris Click BP	3/8 or V	0.368	2.84	0.495	0.345	0.450	x	x	x	x	x	x

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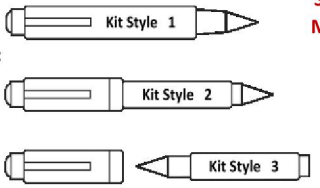
Averaged Bushing Diameter Size was used to determine Category Sizing:

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



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
Penn State (PSI)	Polaris Twist BP and Pencil .7mm	Medium Sized Single Tube BP Pens and Pencils	1	PKT38-8	PKPOLBU
Penn State (PSI)	Power Click BP and Pencil	Medium Sized BP Pens and Pencils	2	PKPOWPENTU	PKPOWBU
Penn State (PSI)	Presimo Press Top RB or FP	Large Sized Single Tube RB or FP Pens	3	PKPT100TU	PKPT100BU
Penn State (PSI)	Princess Twist BP	Medium Sized BP Pens	2	PKPRPENTU	PKPRPENBU
Penn State (PSI)	Razor - Fusion Cartridges	Medium Sized Shaving Accessories	Other	PKT7-10	PKRAHANBU
Penn State (PSI)	Razor - Mach 3 Cartridges	Medium Sized SIngke Tube Shaving Accessories	Other	PKT7-10	PKRAHANBU
Penn State (PSI)	Razor - Mach 3 Cartridges - Magnum	Large Sized Shaving Accessories	Other	PKT7-10	PKCP7000BU
Penn State (PSI)	Razor - Mach 3 Cartridges - Majestic	Medium Sized Shaving Accessories	Other	PKT7-10	PKMAJSQBU
Penn State (PSI)	Razor - Safety	Medium Sized Shaving Accessories	Other	PKT7-10	PKRAHANBU
Penn State (PSI)	Razor - Safety - Speed Dial	Large Sized Shaving Accessories	Other	PKT10-6	PKRASAF2BU
Penn State (PSI)	Rollester RB	Medium Sized Single Tube BP Pens	3	PKT38-8	PKCHPENBU
Penn State (PSI)	Screw Driver Twist BP - 3 in 1	Large Sized Tools and Utility Items	3	PKSDPENTU	PKSDPENBU
Penn State (PSI)	Sculptured Twist BP	Ornate Medium Sized BP Pens	2	PKT8-8	PKSCBU
Penn State (PSI)	Seam Ripper - Dual Blade or 2 in 1	Large Sized Specialty Items	Other	PKSR2TU	BKSRBU
Penn State (PSI)	Seam Ripper - Necklace	Large Sized Specialty Items	Other	PKT8-8	BKSRBU
Penn State (PSI)	Seam Ripper - Single Blade or Stiletto	Large Sized Specialty Items	Other	PKSR1TU	BKSRBU
Penn State (PSI)	Segmented Twist BP	Medium Sized BP Pens	2	PKT7-10	PKSEGPENBU
Penn State (PSI)	Shimmering Crystals Twist BP	Slim Sized BP Pens	2	PKCTPENTU	PKCTPENBU
Penn State (PSI)	Shock Absorber Screw Cap BP	Large Sized Specialty Style Pens	3	PKSAPENTU	PKSAPENBU
Penn State (PSI)	Skeleton Key Twist BP	Ornate Large Sized Single Tube BP Pens	1	PKT38-8	PKGAFBU
Penn State (PSI)	Sketch 3mm Click Pencil - Mini	Medium Sized Single Tube Workshop Pencils	1	PKSPCL3TU	PKSPCL3BU
Penn State (PSI)	Sketch 5.6mm Click Pencil - Workshop	Large Sized Workshop Pencils	2	PKSPCLTU	PKSPCLBU
Penn State (PSI)	Sketch Pen and Pencil Deluxe Combo	Large Sized Single Tube Workshop Pencils	1	PKSPCL2TU	PKSPCL2BU
Penn State (PSI)	Skull Twist BP	Ornate Large Sized BP Pens	2	PKT38-8	PKSKULLBU
Penn State (PSI)	Slimline Click Pencil	Slim Sized Pencils	2	PKTUBE7	PKMBUSH3
Penn State (PSI)	Slimline Pencil - Funline	Slim Sized Pencils	2	PKTUBE7	PKMBUSH3
Penn State (PSI)	Slimline Pro Click BP and Pencil .7mm	Medium Sized BP Pens and Pencils	2	PKPENXXTU	PKPENXXBU
Penn State (PSI)	Slimline Twist BP	Slim Sized BP Pens	2	PKTUBE7	PKMBUSH3
Penn State (PSI)	Slimline Twist BP - Funline	Slim Sized BP Pens	2	PKTUBE7	PKMBUSH3
Penn State (PSI)	Southwest Mesa Twist BP	Ornate Medium Sized Single Tube BP Pens	1	PKT38-8	PKCHPENBU
Penn State (PSI)	Southwest Twist BP	Ornate Large Sized BP Pens	2	PKT38-8	PKSWPBU
Penn State (PSI)	Spartan Click BP	Medium Sized Single Tube BP Pens	1	PKT38-8	PKMAJSQBU
Penn State (PSI)	Starlet Stem BP	Ornate Slim Sized Single Tube BP Pens	1	PKT7-10	PKMBUSH3
Penn State (PSI)	Stratus Click BP	Medium Sized Single Tube BP Pens	1	PKKPENTU	PKCHPENBU
Penn State (PSI)	Stratus Click Pencil	Medium Sized Single Tube Pencils	1	PKKPENTU	PKCHPENBU
Penn State (PSI)	Stylus - 3 in 1 Flip BP and Light	Large Single Tube BP Pens with Stylus	3	PKT125-6	PKCKBU
Penn State (PSI)	Stylus - Flip Click Cap BP V2	Medium Sized Single Tube BP Pens with Stylus	3	PKFLIP2TU	PKFPBU
Penn State (PSI)	Stylus - Key Chain BP	Single Tube BP Pens with Stylus	1	PKT7-10	PKTS100BU
Penn State (PSI)	Stylus - Mini Telescoping BP	Slim Sized Single Tube BP Pens with Stylus	3	PKT7-10	PKMBUSH3
Penn State (PSI)	Stylus - Mini Touch Credit Card Twist BP	Slim Sized Single Tube BP Pens with Stylus	1	PKT7-10	PKMBUSH3
Penn State (PSI)	Stylus - Mini Touch with Plug	Slim Sized Single Tube Stylus Items	1	PKT7-10	PKMBUSH3
Penn State (PSI)	Stylus - Smartphone Stand	Extra Large Sized Single Tube Stylus Items	1	PKT38-8	PKSPRTBU
Penn State (PSI)	Stylus - Touch	Slim Sized Single Tube Stylus Items	1	PKTSTU	PKMBUSH3
Penn State (PSI)	Stylus - Touch Tablet BP	Slim Sized BP Pens with Stylus	2	PKTSPENTU	PKMBUSH3
Penn State (PSI)	Teachers Twist BP	Slim Sized Specialty Style Pens	Other	PKT7-10	PKMBUSH3
Penn State (PSI)	Tec-7 Twist BP - Stylus	Medium Sized BP Pens with Stylus	2	PKT7-10	PKTSTECBU

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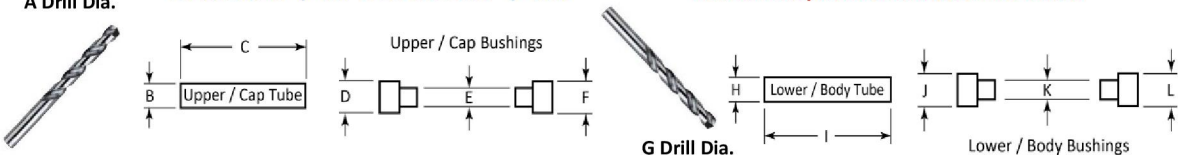

Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Penn State (PSI)	Polaris Twist BP and Pencil .7mm	3/8 or V	0.368	2.84	0.495	0.345	0.450	x	x	x	x	x	x
Penn State (PSI)	Power Click BP and Pencil	8mm or O	0.311	1.88	0.430	0.286	0.430	8mm or O	0.311	1.88	0.430	0.286	0.373
Penn State (PSI)	Presimo Press Top RB or FP	x	x	x	x	x	x	10mm or 25/64	0.385	2.44	0.520	0.357	0.520
Penn State (PSI)	Princess Twist BP	10mm or 25/64	0.385	1.50	0.492	0.357	0.492	8mm or O	0.311	2.47	0.442	0.286	0.387
Penn State (PSI)	Razor - Fusion Cartridges	7mm or J	0.268	3.00	0.400	x	0.400	x	x	x	x	x	x
Penn State (PSI)	Razor - Mach 3 Cartridges	7mm or J	0.268	3.00	0.400	x	0.400	x	x	x	x	x	x
Penn State (PSI)	Razor - Mach 3 Cartridges - Magnum	7mm or J	0.268	2.06	0.525	x	0.525	x	x	x	x	x	x
Penn State (PSI)	Razor - Mach 3 Cartridges - Majestic	7mm or J	0.268	3.00	0.495	x	0.495	x	x	x	x	x	x
Penn State (PSI)	Razor - Safety	7mm or J	0.268	3.00	0.400	x	0.400	x	x	x	x	x	x
Penn State (PSI)	Razor - Safety - Speed Dial	10mm or 25/64	0.385	3.00	0.550	0.357	0.550	x	x	x	x	x	x
Penn State (PSI)	Rollester RB	3/8 or V	0.368	3.30	0.445	0.345	0.445	x	x	x	x	x	x
Penn State (PSI)	Screw Driver Twist BP - 3 in 1	10mm or 25/64	0.385	1.88	0.475	0.357	0.475	7mm or J	0.268	1.38	0.475	x	0.475
Penn State (PSI)	Sculptured Twist BP	8mm or O	0.311	2.00	0.480	0.286	0.480	8mm or O	0.311	2.00	0.393	0.286	0.393
Penn State (PSI)	Seam Ripper - Dual Blade or 2 in 1	8mm or O	0.311	3.13	0.430	0.286	0.430	x	x	x	x	x	x
Penn State (PSI)	Seam Ripper - Necklace	8mm or O	0.311	2.25	0.375	0.286	0.430	x	x	x	x	x	x
Penn State (PSI)	Seam Ripper - Single Blade or Stiletto	8mm or O	0.311	3.13	0.375	0.286	0.430	x	x	x	x	x	x
Penn State (PSI)	Segmented Twist BP	7mm or J	0.268	(2) 0.97	0.410	x	0.460	7mm or J	0.268	1.56	0.460	x	0.410
Penn State (PSI)	Shimmering Crystals Twist BP	8mm or O	0.311	2.28	0.398	0.286	0.355	x	x	x	x	x	x
Penn State (PSI)	Shock Absorber Screw Cap BP	11mm	0.415	1.44	0.564	0.389	0.500	x	x	x	x	x	x
Penn State (PSI)	Skeleton Key Twist BP	3/8 or V	0.368	3.12	0.525	0.345	0.525	x	x	x	x	x	x
Penn State (PSI)	Sketch 3mm Click Pencil - Mini	8mm or O	0.311	3.50	0.435	0.286	0.435	x	x	x	x	x	x
Penn State (PSI)	Sketch 5.6mm Click Pencil - Workshop	11mm	0.415	?	0.512	0.389	0.512	11mm	0.415	?	0.512	0.389	0.512
Penn State (PSI)	Sketch Pen and Pencil Deluxe Combo	11mm	0.415	2.69	0.576	0.389	0.500	x	x	x	x	x	x
Penn State (PSI)	Skull Twist BP	3/8 or V	0.368	1.36	0.575	0.345	0.575	3/8 or V	0.368	1.71	0.575	0.345	0.575
Penn State (PSI)	Slimline Click Pencil	7mm or J	0.268	2.03	0.331	x	0.331	7mm or J	0.268	2.03	0.331	x	0.331
Penn State (PSI)	Slimline Pencil - Funline	7mm or J	0.268	2.03	0.331	x	0.331	7mm or J	0.268	2.03	0.331	x	0.331
Penn State (PSI)	Slimline Pro Click BP and Pencil .7mm	8mm or O	0.311	2.03	0.425	0.286	0.425	8mm or O	0.311	2.03	0.425	0.286	0.425
Penn State (PSI)	Slimline Twist BP	7mm or J	0.268	2.03	0.331	x	0.331	7mm or J	0.268	2.03	0.331	x	0.331
Penn State (PSI)	Slimline Twist BP - Funline	7mm or J	0.268	2.03	0.331	x	0.331	7mm or J	0.268	2.03	0.331	x	0.331
Penn State (PSI)	Southwest Mesa Twist BP	3/8 or V	0.368	3.20	0.445	0.345	0.445	x	x	x	x	x	x
Penn State (PSI)	Southwest Twist BP	3/8 or V	0.368	1.50	0.550	0.345	0.480	3/8 or V	0.368	1.92	0.500	0.345	0.500
Penn State (PSI)	Spartan Click BP	3/8 or V	0.368	2.77	0.495	0.345	0.495	x	x	x	x	x	x
Penn State (PSI)	Starlet Stem BP	7mm or J	0.268	2.41	0.331	x	0.331	x	x	x	x	x	x
Penn State (PSI)	Stratus Click BP	3/8 or V	0.368	2.69	0.445	0.345	0.445	x	x	x	x	x	x
Penn State (PSI)	Stratus Click Pencil	3/8 or V	0.368	2.72	0.445	0.345	0.445	x	x	x	x	x	x
Penn State (PSI)	Stylus - 3 in 1 Flip BP and Light	12.5mm or 0.492	0.483	2.41	0.571	0.460	0.571	x	x	x	x	x	x
Penn State (PSI)	Stylus - Flip Click Cap BP V2	3/8 or V	0.368	2.56	0.433	0.345	0.433	x	x	x	x	x	x
Penn State (PSI)	Stylus - Key Chain BP	7mm or J	0.268	1.75	0.380	x	0.510	x	x	x	x	x	x
Penn State (PSI)	Stylus - Mini Telescoping BP	7mm or J	0.268	2.38	0.331	x	0.331	x	x	x	x	x	x
Penn State (PSI)	Stylus - Mini Touch Credit Card Twist BP	7mm or J	0.268	1.70	0.331	x	0.331	x	x	x	x	x	x
Penn State (PSI)	Stylus - Mini Touch with Plug	7mm or J	0.268	1.75	0.331	x	0.331	x	x	x	x	x	x
Penn State (PSI)	Stylus - Smartphone Stand	3/8 or V	0.368	1.38	0.638	0.345	0.456	x	x	x	x	x	x
Penn State (PSI)	Stylus - Touch	7mm or J	0.268	3.19	0.331	x	0.331	x	x	x	x	x	x
Penn State (PSI)	Stylus - Touch Tablet BP	7mm or J	0.268	1.91	0.331	x	0.331	7mm or J	0.268	1.91	0.331	x	0.331
Penn State (PSI)	Teachers Twist BP	7mm or J	0.268	2.19	0.331	x	0.331	7mm or J	0.268	(2) 0.81	0.331	x	0.331
Penn State (PSI)	Tec-7 Twist BP - Stylus	7mm or J	0.268	1.90	0.427	x	0.435	7mm or J	0.268	1.90	0.435	x	0.350

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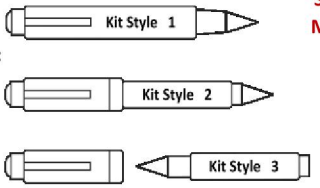

Some Kits May Require Modifying Replacement Tube Lengths.

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
Penn State (PSI)	Tech BP - 2 Way	Medium Sized Specialty Style Pens	2	PKT38-8	PK2WAYBU
Penn State (PSI)	Tower Twist BP	Extra Large Sized BP Pens	2	PKT7-10	PKTOWERBU
Penn State (PSI)	Traditional RB or FP	Medium Sized RB or FP Pens	3	PKT10-6	PK10BUSH3
Penn State (PSI)	Trimline Click Pencil	Medium Sized Pencils	2	PKTUBE7	PKXMBU
Penn State (PSI)	Trimline Twist BP	Medium Sized BP Pens	2	PKT7-10	PKXMBU
Penn State (PSI)	Tudor Twist BP	Ornate Medium Sized Single Tube BP Pens	1	PKT38-8	PKKNBU
Penn State (PSI)	Tycoon Closed End RB or FP	Large Sized RB or FP Pens	3	PKTYCTU	PKAPCEBU
Penn State (PSI)	Tycoon Screw Cap RB or FP	Large Sized RB or FP Pens	3	PKTYTU	PKTYBU
Penn State (PSI)	Vertex Click BP	Medium Sized Single Tube BP Pens	1	PKFP4000TU	PKFPBU
Penn State (PSI)	Vertex Click Pencil	Medium Sized Single Tube Pencils	1	PKFP4000TU	PKFPBU
Penn State (PSI)	Vertex Magnetic Cap RB or FP	Medium Sized Single Tube RB or FP Pens	3	PKFP5000TU	PKFP5000BU
Penn State (PSI)	Vertex Supreme Magnetic Cap RB or FP	Large Sized RB or FP Pens	3	PKGRAD2TU or PKMAJJRTU	PKFP5500BU
Penn State (PSI)	Vesper Click BP	Medium Sized Single Tube BP Pens	1	PKT10-6	PKVESBU
Penn State (PSI)	Vesper Click BP with Stylus Tip	Medium Sized Single Tube BP Pens with Stylus	1	PKT10-6	PKVESBU
Penn State (PSI)	Victorian Screw Cap RB or FP	Ornate Large Sized RB or FP Pens	3	Modify PKGRAD2TU	PKVICRBU
Penn State (PSI)	Victorian Twist BP	Ornate Large Sized BP Pens	2	PKT38-8	PKVICBU
Penn State (PSI)	Wild Card Twist BP	Ornate Large Sized BP Pens	2	PKT38-8	PKVICBU

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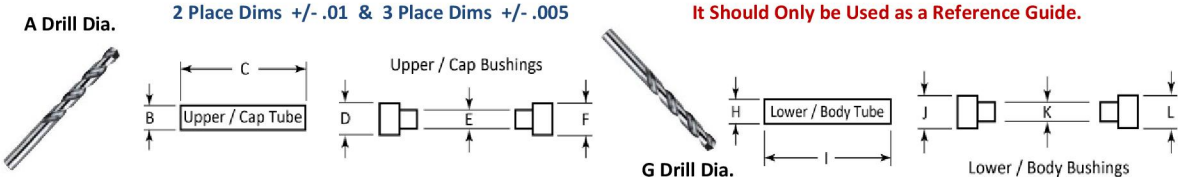

Kit Supplier	Kit Description	Upper / Cap Tube			Upper / Cap Bushings			Lower / Body Tube			Lower / Body Bushings		
		A Drill Dia.	B Dia.	C Length	D Dia.	E Dia.	F Dia.	G Drill Dia.	H Dia.	I Length	J Dia.	K Dia.	L Dia.
Penn State (PSI)	Tech BP - 2 Way	3/8 or V	0.368	2.38	0.420	0.345	0.475	3/8 or V	0.368	1.56	0.475	0.345	0.440
Penn State (PSI)	Tower Twist BP	7mm or J	0.268	2.75	?	x	?	7mm or J	0.268	2.50	?	x	?
Penn State (PSI)	Traditional RB or FP	10mm or 25/64	0.385	2.19	0.450	0.357	0.450	10mm or 25/64	0.385	2.19	0.450	0.357	0.450
Penn State (PSI)	Trimline Click Pencil	7mm or J	0.268	2.00	0.347	x	0.440	7mm or J	0.268	2.00	0.440	x	0.331
Penn State (PSI)	Trimline Twist BP	7mm or J	0.268	2.09	0.347	x	0.440	7mm or J	0.268	2.09	0.440	x	0.331
Penn State (PSI)	Tudor Twist BP	3/8 or V	0.368	3.15	0.472	0.345	0.472	x	x	x	x	x	x
Penn State (PSI)	Tycoon Closed End RB or FP	12.5mm or 0.492	0.483	1.81	0.562	0.460	0.000	10.5mm	0.400	2.08	0.480	0.376	0.000
Penn State (PSI)	Tycoon Screw Cap RB or FP	15/32	0.450	1.81	0.563	0.429	0.535	10mm or 25/64	0.385	2.13	0.480	0.357	0.480
Penn State (PSI)	Vertex Click BP	3/8 or V	0.368	2.90	0.433	0.345	0.433	x	x	x	x	x	x
Penn State (PSI)	Vertex Click Pencil	3/8 or V	0.368	2.90	0.433	0.345	0.433	x	x	x	x	x	x
Penn State (PSI)	Vertex Magnetic Cap RB or FP	10.5mm	0.400	2.38	0.460	0.376	0.460	x	x	x	x	x	x
Penn State (PSI)	Vertex Supreme Magnetic Cap RB or FP	12.5mm or 0.492	0.483	1.69	0.551	0.460	0.575	10.5mm	0.400	2.63	0.516	0.376	0.516
Penn State (PSI)	Vesper Click BP	10mm or 25/64	0.385	2.64	0.475	0.357	0.475	x	x	x	x	x	x
Penn State (PSI)	Vesper Click BP with Stylus Tip	10mm or 25/64	0.385	2.64	0.475	0.357	0.475	x	x	x	x	x	x
Penn State (PSI)	Victorian Screw Cap RB or FP	12.5mm or 0.492	0.483	1.37	0.555	0.460	0.545	10.5mm	0.400	2.08	0.545	0.376	0.545
Penn State (PSI)	Victorian Twist BP	3/8 or V	0.368	1.34	0.550	0.345	0.550	3/8 or V	0.368	1.34	0.550	0.345	0.550
Penn State (PSI)	Wild Card Twist BP	3/8 or V	0.368	1.50	0.550	0.345	0.550	3/8 or V	0.368	1.97	0.550	0.345	0.550

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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