

A full line of **Punches for Steel Rule Dies**



HOLE SOLUTIONS

C & K PRODUCTS, INC.

160 HOBART ST.
HACKENSACK, NJ 07601
800 440-5635

160 Hobart Street
Hackensack, NJ 07601

Company Profile:

C & K Products manufactures and inventories all lines of punches on premise. We design and develop special products to meet a wide variety of industry needs. Currently we have over 1/2 million punches in our inventory in a myriad of sizes and lengths for nearly every application.

We serve diemakers as well as the in-house die and punch needs of a broad spectrum of industries including:

- Packaging & Labeling**
- Printing & Converting**
- Leather Cutting**
- Automotive**
- Gasket**
- Fashion and Apparel**
- Plastics**
- Electronics**
- Filtration**

Should your company require any punch not listed in this brochure please inquire. Our fifty plus years of service to a wide variety of industries has enabled us to know how to create the right tool for you.

Ordering Information:

With over 1/2 million punches in stock we can generally fill your orders and ship "Same Day" for all orders received until 3:30 PM EST.

We gladly accept telephone or FAX orders.

Minimum Orders are \$25.00.

Quantity pricing Discounts apply to single items. Combined item counts are not valid.

We are eager to provide additional information on all our products and services and any application assistance you might require.

It is standard policy for the customer to pay all shipping charges, insurance and other applicable charges. Shipping is normally via UPS ground service, however we will gladly accommodate any other shipping methods when possible.

Payments and all written correspondence should be directed to:

C & K Products, Inc.
PO Box 1892
South Hackensack, NJ 07606

Shipping and deliveries during business hours 8:00 am - 3:30 pm (M-F) are to:

C & K Products, Inc.
160 Hobart Street
Hackensack, NJ 07601

Restocking Charge: 10%

Terms:

To open an account please call (201) 343-6750 and request a credit application.

New accounts require three trade and one bank reference.

Until credit is established all orders are shipped C.O.D.

All established accounts are Net 30 days.

International transactions by special arrangement.

Please call for an authorization number in the event that a return is necessary.

All prices are F.O.B. Hackensack and are subject to change without notice.

**TO ORDER, CALL (201) 343-6750
(800) 440-5635
FAX (201) 343-1814**

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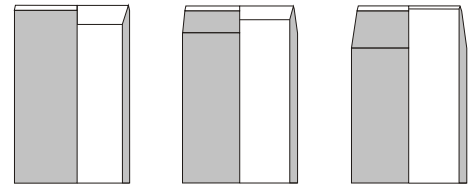
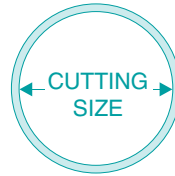
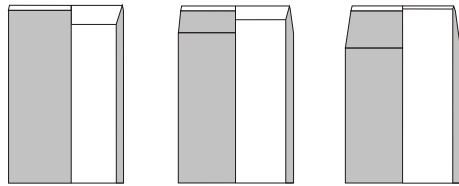
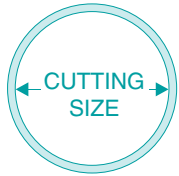
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Seamless Tubular Punches

Standard Heights: .918", .923", .937", 1", 1 1/8", 1 1/4", 1 1/2" and 2".



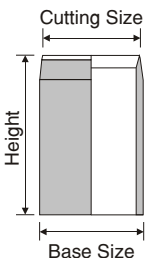
	INSIDE BEVEL BASE SIZE *	CENTER BEVEL BASE SIZE	OUTSIDE BEVEL BASE SIZE
1/16"	NA	1/8"	3/16"
3/32	NA	1/8	3/16
1/8	1/8"	3/16	1/4
5/32	5/32	3/16	1/4
3/16	3/16	1/4	5/16
7/32	7/32	1/4	5/16
1/4	1/4	5/16	3/8
9/32	9/32	5/16	3/8
5/16	5/16	3/8	7/16
11/32	11/32	3/8	7/16
3/8	3/8	7/16	1/2
13/32	13/32	7/16	1/2
7/16	7/16	1/2	9/16
15/32	15/32	1/2	9/16
1/2	1/2	9/16	5/8

	INSIDE BEVEL BASE SIZE *	CENTER BEVEL BASE SIZE	OUTSIDE BEVEL BASE SIZE
17/32"	17/32"	9/16"	5/8"
9/16	9/16	5/8	11/16
19/32	19/32	5/8	11/16
5/8	5/8	11/16	3/4
21/32	21/32	11/16	3/4
11/16	11/16	3/4	13/16
23/32	23/32	3/4	13/16
3/4	3/4	13/16	7/8
25/32	25/32	13/16	7/8
13/16	13/16	7/8	15/16
27/32	27/32	7/8	15/16
7/8	7/8	15/16	1"
29/32	29/32	15/16	1"
15/16	15/16	1"	1 1/16
31/32	31/32	1"	1 1/16

* Inside Bevel punches have the same base diameter as the named cutting size. Actual cutting size is 1/64" less due to the machined Inside Bevel cutting edge.

Tubular punches continued on next page...

All listed cutting sizes are available in all standard heights with no setup charge.



To order tubular punches please specify :

- Cutting Size
- Base Size and Bevel
- Height

We also inventory many tubular punches with special:

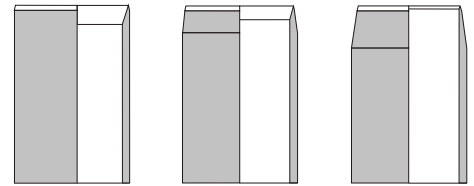
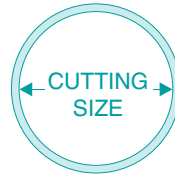
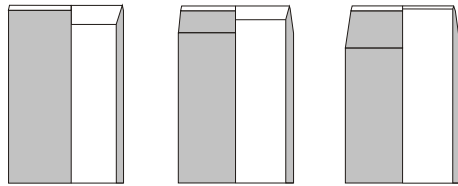
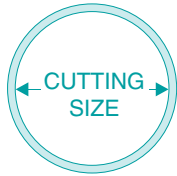
- Cutting Sizes
- Base Diameters
- Heights

In 1/64" increments, metric and decimal dimensions

"Custom designs are our specialty!"

Seamless Tubular Punches

Standard Heights: .918", .923", .937", 1", 1 1/8", 1 1/4", 1 1/2" and 2".

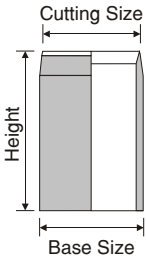


	INSIDE BEVEL BASE SIZE *	CENTER BEVEL BASE SIZE	OUTSIDE BEVEL BASE SIZE		INSIDE BEVEL BASE SIZE *	CENTER BEVEL BASE SIZE	OUTSIDE BEVEL BASE SIZE
1"	1"	1 1/16"	1 1/8"	1 5/16"	1 5/16"	1 3/8"	1 7/16"
1 1/32	1 1/32	1 1/16	1 1/8	1 11/32	1 11/32	1 3/8	1 7/16
1 1/16	1 1/16	1 1/8	1 3/16	1 3/8	1 3/8	1 7/16	1 1/2
1 3/32	1 3/32	1 1/8	1 3/16	1 13/32	1 13/32	1 7/16	1 1/2
1 1/8	1 1/8	1 3/16	1 1/4	1 7/16	1 7/16	1 1/2	1 9/16
1 5/32	1 5/32	1 3/16	1 1/4	1 15/32	1 15/32	1 1/2	1 9/16
1 3/16	1 3/16	1 1/4	1 5/16	1 1/2	1 1/2	1 9/16	1 5/8
1 7/32	1 7/32	1 1/4	1 5/16	1 9/16	1 9/16	1 5/8	1 11/16
1 1/4	1 1/4	1 5/16	1 3/8	1 5/8	1 5/8	1 11/16	1 3/4
1 9/32	1 9/32	1 5/16	1 3/8				

NOTE: FOR SIZES OVER 1 5/8" SEE PAGE 5.

* Inside Bevel punches have the same base diameter as the named cutting size. Actual cutting size is 1/64" less due to the machined Inside Bevel cutting edge.

**All listed cutting sizes are available in all standard heights with no setup charge.
Please call for current price and availability.**



To order tubular punches please specify :

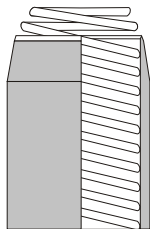
- Cutting Size
- Base Size and Bevel
- Height

We also inventory many tubular punches with special:

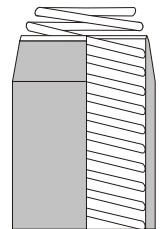
- Cutting Sizes
- Base Diameters
- Heights

In 1/64" increments, metric and decimal dimensions

Spring Ejector Tubular Punches

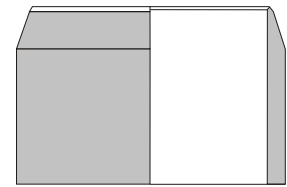
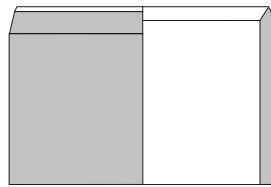
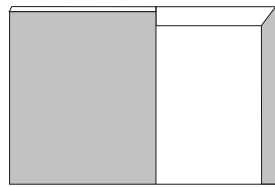
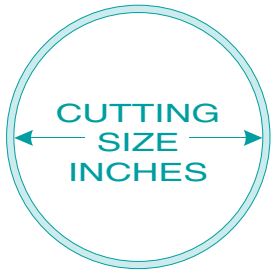


- Available in cutting sizes from 1/16" through 11/16".
- Available in heights up to 1 1/4".
- Spring Ejector punches are available in all three bevels - inside, center or outside.



Large Diameter Seamless Tubular Punches

Standard Heights: .918", .923", .937", 1", 1 1/8", 1 1/4", 1 1/2" and 2".



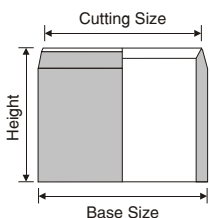
1 11/16"
1 3/4
1 13/16
1 7/8
1 15/16
2"
2 1/16
2 1/8
2 3/16
2 1/4
2 5/16
2 3/8
2 7/16
2 1/2
2 9/16
2 5/8
2 11/16
2 3/4
2 13/16
2 7/8
2 15/16
3"

INSIDE BEVEL BASE SIZE *	CENTER BEVEL BASE SIZE	OUTSIDE BEVEL BASE SIZE
1 11/16"	1 3/4"	1 13/16"
1 3/4	1 13/16	1 7/8
1 13/16	1 7/8	1 15/16
1 7/8	1 15/16	2"
1 15/16	2"	2 1/16
2"	2 1/16	2 1/8
2 1/16	2 1/8	2 3/16
2 1/8	2 3/16	2 1/4
2 3/16	2 1/4	2 5/16
2 1/4	2 5/16	2 3/8
2 5/16	2 3/8	2 7/16
2 3/8	2 7/16	2 1/2
2 7/16	2 1/2	2 9/16
2 1/2	2 9/16	2 5/8
2 9/16	2 5/8	2 11/16
2 5/8	2 11/16	2 3/4
2 11/16	2 3/4	2 13/16
2 3/4	2 13/16	2 7/8
2 13/16	2 7/8	2 15/16
2 7/8	2 15/16	3"
2 15/16	3"	3 1/16
3"	3 1/16	3 1/8

* Inside Bevel punches have the same base diameter as the named cutting size. Actual cutting size is 1/64" less due to the machined Inside Bevel cutting edge.

All listed cutting sizes are available in all standard heights with no setup charge.

Cutting sizes up to 6" available by special order.



To order tubular punches please specify :

- Cutting Size
- Base Size and Bevel
- Height

We also inventory many tubular punches with special:

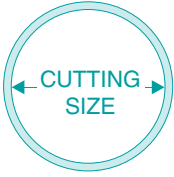
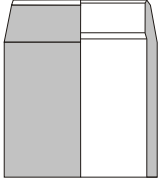
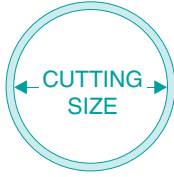
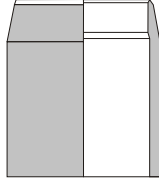
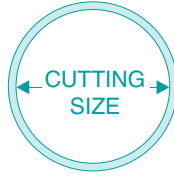
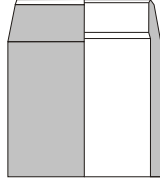
- Cutting Sizes
- Base Diameters
- Heights

In 1/64" & 1/32" increments, metric and decimal dimensions

"Custom designs are our specialty!"

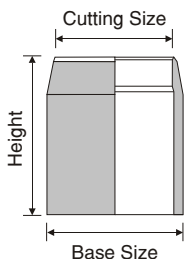
Seamless Feed-Thru Punches

Standard Heights: 3/4", .937", 1", 1 1/8", 1 1/4", 1 1/2" and 2".

								
	CUTTING SIZE	FEED THRU BASE SIZE		CUTTING SIZE	FEED THRU BASE SIZE		CUTTING SIZE	FEED THRU BASE SIZE
1/16"		3/16"	1/2"		5/8"	15/16"		1 1/16"
3/32		3/16	17/32		5/8	31/32		1 1/16
1/8		1/4	9/16		11/16	1"		1 1/8
5/32		1/4	19/32		11/16	1 1/16		1 3/16
3/16		5/16	5/8		3/4	1 1/8		1 1/4
7/32		5/16	21/32		3/4	1 3/16		1 5/16
1/4		3/8	11/16		13/16	1 1/4		1 3/8
9/32		3/8	23/32		13/16	1 5/16		1 7/16
5/16		7/16	3/4		7/8	1 3/8		1 1/2
11/32		7/16	25/32		7/8	1 7/16		1 9/16
3/8		1/2	13/16		15/16	1 1/2		1 5/8
13/32		1/2	27/32		15/16	1 9/16		1 11/16
7/16		9/16	7/8		1"	1 5/8		1 3/4
15/32		9/16	29/32		1"			

NOTE: SEE PAGE 7 FOR SIZES OVER 1 5/8".

All listed cutting sizes are available in all standard heights with no setup charge. Please call for current price and availability.



To order feed-thru punches please specify :

- Cutting Size
- Base Size
- Height

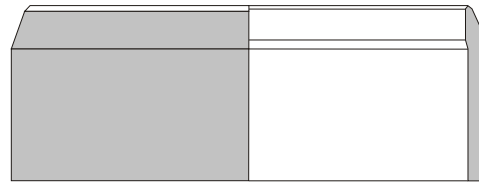
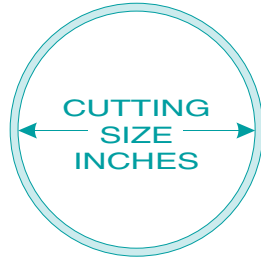
We also inventory many feed-thru punches with special:

- Cutting Sizes
- Base Diameters
- Heights

In 1/64" & 1/32" increments, metric and decimal dimensions

Large Diameter Seamless Feed-Thru Punches

Standard Heights: 3/4", .937", 1", 1 1/8", 1 1/4", 1 1/2" and 2".

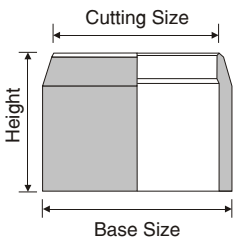


1 11/16"
1 3/4
1 13/16
1 7/8
1 15/16
2"
2 1/16
2 1/8
2 3/16
2 1/4
2 5/16
2 3/8
2 7/16
2 1/2
2 9/16
2 5/8
2 11/16
2 3/4
2 13/16
2 7/8
2 15/16
3"

FEED THRU BASE SIZE	
1	13/16"
1	7/8
1	15/16
2	"
2	1/16
2	1/8
2	3/16
2	1/4
2	5/16
2	3/8
2	7/16
2	1/2
2	9/16
2	5/8
2	11/16
2	3/4
2	13/16
2	7/8
2	15/16
3	"
3	1/16
3	1/8

All listed cutting sizes are available in all standard heights with no setup charge.

Cutting sizes up to 6" available by special order.



To order feed-thru punches please specify :

- Cutting Size
- Base Size
- Height

We also inventory many feed-thru punches with special:

- Cutting Sizes
- Base Diameters
- Heights

In 1/64" & 1/32" increments, metric and decimal dimensions

"Custom designs are our specialty!"

Self Cleaning Punches

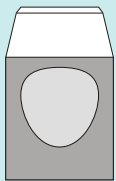
Standard Heights: 3/4", .918", .923", .937", 1", 1 1/8", 1 1/4", 1 1/2" and 2".

CUTTING SIZE	STANDARD BASE SIZE	CUTTING SIZE	STANDARD BASE SIZE	CUTTING SIZE	STANDARD BASE SIZE
1/32"	1/8"	9/32"	3/8"	15/32"	3/4"
1/16	3/16	5/16	7/16	1/2	5/8
3/32	3/16	11/32	1/2	1/2	3/4
1/8	1/4	3/8	1/2	9/16	11/16
5/32	1/4	13/32	1/2	9/16	3/4
3/16	5/16	7/16	9/16	5/8	3/4
7/32	3/8	7/16	5/8	5/8	7/8
1/4	3/8	15/32	5/8	3/4	1"

All listed cutting sizes are available in all standard heights with no setup charge.

Self Cleaning punches are available with the following bevel and base options:

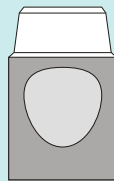
Regular Bevel



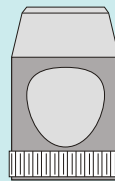
Bevel Options:

- Use Regular Bevel for most applications.
- Use Presswood Bevel for cutting thicker materials with less distortion.

Presswood Bevel



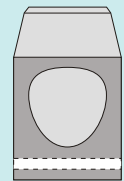
Knurled Base



Base Options:

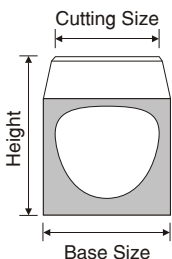
- Use Standard Base for most applications
- Use Knurled Base to hold punch securely in die.
- Use Nail Hole Base to locate side outlet hole in die.

Nail Hole Base



Bevel and base options may be combined. Extra charges apply for bevel and base options.

All Self Cleaning punches are available in Heavy Duty, Through Hardened Tool Steel. Please call for current price and availability.



To order self cleaning punches please specify :

- Cutting Size
- Base Size
- Height
- Bevel and Base options
- Heavy Duty Tool Steel option

We also inventory self cleaning punches with special:

- Cutting Sizes
- Base Diameters
- Heights

In 1/64" & 1/32" increments, metric and decimal dimensions

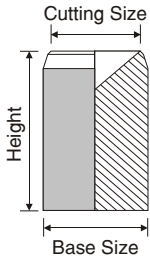
Cup Punches

Standard Heights: .918", .923", .937", and 1".

CUTTING SIZE	INSIDE BEVEL	STANDARD	CUTTING SIZE	INSIDE BEVEL	STANDARD	CUTTING SIZE	INSIDE BEVEL	STANDARD
	BASE SIZE *	BEVEL		BASE SIZE	BASE SIZE *		BEVEL	BASE SIZE
1/32"	NA	3/32"	7/32"	7/32"	1/4"	7/16"	7/16"	1/2"
1/32	NA	1/8	1/4	1/4	5/16	15/32	15/32	1/2
1/16	1/16"	1/8	9/32	9/32	5/16	1/2	1/2	9/16
3/32	3/32	1/8	5/16	5/16	3/8	17/32	17/32	9/16
1/8	1/8	3/16	11/32	11/32	3/8	9/16	9/16	5/8
5/32	5/32	3/16	3/8	3/8	7/16	19/32	19/32	5/8
3/16	3/16	1/4	13/32	13/32	7/16	5/8	5/8	11/16

* Inside Bevel punches have the same base diameter as the named cutting size. Actual cutting size is 1/64" less due to the machined Inside Bevel cutting edge.

All listed cutting sizes are available in all standard heights with no setup charge.



To order cup punches please specify :

- Cutting Size
- Base Size and Bevel
- Height

We also inventory many cup punches with special:

- Cutting Sizes
- Base Diameters
- Heights

In 1/64" increments, metric and decimal dimensions

Pin Point Punches

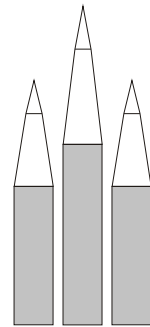
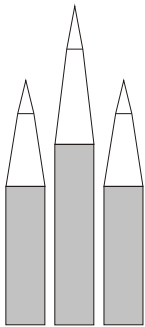
Standard Heights:

3/4", .918", .923", .937", 1", 1 1/8", 1 1/4", 1 1/2" and 2".

Standard Base Diameters:

3/32", 1/8", 5/32", 3/16" and 1/4".

Knurled base is also available.



To order pin point punches please specify base diameter and height.

All listed cutting sizes are available in all standard heights with no setup charge. Please call for current price and availability.

"Custom designs are our specialty!"

C & K Threaded Shank Punches and Accessories

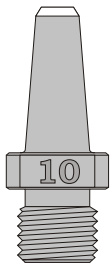
• Tube Punches • Pin Point Punches • Punch Handles • Taps •

Threaded Shank Punches are ideal for heavy cutting in thick materials and may be used for many applications where Tubular or Feed-Thru punches are utilized. These punches may be used for cutting multiple layers of material. C & K offers a complete system of interchangeable threaded shank punches and accessories.

Overview of Features:

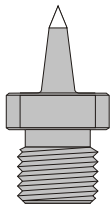
- For use in solid steel dies.
- Perfect for hand punching operations with C & K handles.
- Convenient "screw in" design for quick and easy set-up and replacement.
- Threaded shanks allow for simple cutting size changes.
- Wrench flats are provided on all punches for easy installation and removal.
- All threaded shank punches are made from thru-hardened and tempered tool steel for durability.

Threaded Shank Tube Punches:



- Five standard heights: .375" (3/8"), 17/32", .750" (3/4"), .875" (7/8"), 1.000".
- Other heights including 1 1/4", 1 1/2", and 2.000" available by special order.
- Thirty standard cutting sizes from .040" to 1".
- Multi-step internal boring provides sufficient clearance for smooth ejection of waste material through the back of the punch.
- Tube punches generally cut .007" larger than the nominal hole size.
- See chart on facing page for sizes and specifications.

Threaded Shank Pin Point Punches:



- Five standard heights: .375" (3/8"), 17/32", .750" (3/4"), .875" (7/8"), 1.000".
- Other heights including 1 1/4", 1 1/2", and 2.000" available by special order.
- Standard pin diameter is 1/8", other diameters available by special order.
- See chart on page 12 for sizes and specifications.

Punch Handles:

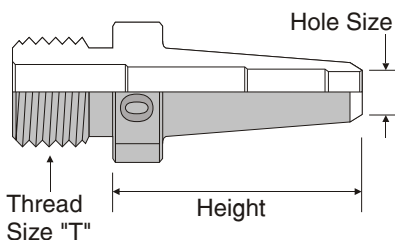
- C & K offers a complete line of solid steel handles to fit all cutting sizes.
- See page 12 for available sizes

Taps:

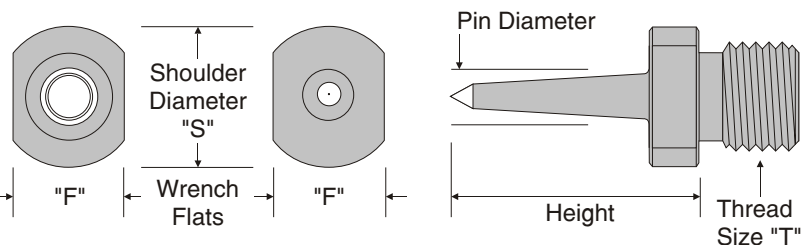
- Threaded shank punches are manufactured with thread sizes for optimum performance in your dies.
- C & K offers the full range of taps needed for installation. See page 12 for available sizes.

Reference Drawings: See pages 11 and 12 for specifications.

Threaded Shank Tube Punch



Threaded Shank Pin Point Punch



Threaded Shank Tube Punches

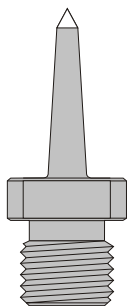
ORDER NUMBER	NOMINAL HOLE SIZE	AVAILABLE HEIGHTS								THREAD SIZE "T"	SHOULDER DIAMETER "S"	WRENCH FLAT SIZE "F"
		3/8"	17/32"	3/4"	7/8"	1.000"	1 1/4"	1 1/2"	2.000"			
1	.040"	●	●	●	○	●	○	○	○	.295 x 32 .294 x 24 FOR 7/8 HEIGHT	3/8"	5/16"
2	3/64	●	●	●	○	●	○	○	○			
3	1/16	●	●	●	○	●	○	○	○			
4	5/64	●	●	●	○	●	○	○	○			
5	3/32	●	●	●	○	●	○	○	○			
6	7/64	●	●	●	○	●	○	○	○			
7	1/8	●	●	●	○	●	○	○	○			
8	5/32	●	●	●	○	●	○	○	○			
9	11/64	●	●	●	○	●	○	○	○			
10	3/16	●	●	●	○	●	○	○	○			
11	.1935	●	●	●	○	●	○	○	○			
10A	3/16	●	●	●	○	●	○	○	○	.365 x 32	7/16	3/8
12	13/64	●	●	●	○	●	○	○	○			
13	7/32	●	●	●	○	●	○	○	○			
14	1/4	●	●	●	○	●	○	○	○			
15	9/32	●	●	●	○	●	○	○	○			
15A	9/32	●	●	●	○	●	○	○	○	.510 x 32	5/8	1/2
16	5/16	●	●	●	○	●	○	○	○			
17	11/32	●	●	●	○	●	○	○	○			
18	3/8	●	●	●	○	●	○	○	○			
18A	3/8	○	○	○	○	○	○	○	○	.625 x 24	3/4	5/8
19	13/32	●	●	●	○	●	○	○	○			
20	7/16	●	●	●	○	●	○	○	○			
21	15/32	●	●	●	○	●	○	○	○			
22	1/2	●	●	●	○	●	○	○	○	.750 x 24	7/8	3/4
22A	1/2	○	○	○	○	○	○	○	○			
23	9/16	●	●	●	○	●	○	○	○			
24	5/8	●	●	●	○	●	○	○	○	1 x 14	1 1/4	1"
25	11/16	●	●	●	○	●	○	○	○			
26	3/4	●	●	●	○	●	○	○	○	1 1/8 x 18	1 3/8	1 1/8
27	13/16	●	●	●	○	●	○	○	○			
28	7/8	●	●	●	○	●	○	○	○	1 1/4 x 18	1 1/2	1 1/4
29	15/16	●	●	●	○	●	○	○	○			
30	1"	●	●	●	○	●	○	○	○			

● STANDARD HEIGHT ○ NON STOCK STANDARD HEIGHT CALL FOR AVAILABILITY ○ AVAILABLE BY SPECIAL ORDER

To order threaded shank tube punches specify order number and height.

Threaded Shank Pin Point Punches, Handles and Taps

Threaded Shank Pin Point Punches:



- Five standard heights: .375" (3/8"), 17/32", .750" (3/4"), .875" (7/8"), 1.000".
- Standard pin diameter is 1/8", other diameters available by special order.

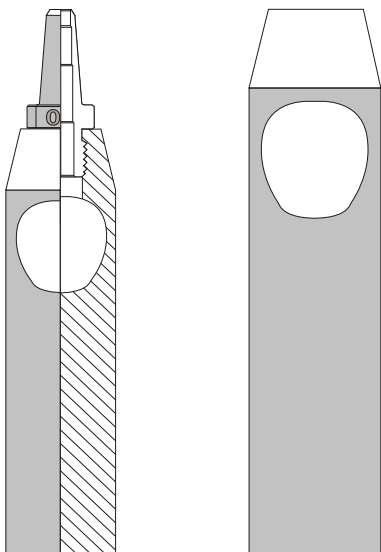
STANDARD PIN DIAMETER	AVAILABLE HEIGHTS								THREAD SIZE "T"	SHOULDER DIAMETER "S"	WRENCH FLAT SIZE "F"
	3/8"	17/32"	3/4"	7/8"	1.000"	1 1/4"	1 1/2"	2.000"			
1/8"	●	●	●	○	●	○	○	○	.295 x 32	3/8"	5/16"

NOTE: 7/8" PUNCH HEIGHT HAS .294 X 24 THREAD

See page 10 for reference drawing.

● STANDARD HEIGHT ○ NON STOCK STANDARD HEIGHT CALL FOR AVAILABILITY ○ AVAILABLE BY SPECIAL ORDER

Threaded Shank Tube Punch Handles:

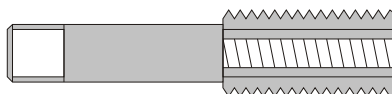


- Solid steel construction. 4" standard length.
- Side outlet hole for waste ejection.
- Use for hand punching operations or as height extension in production dies.

PUNCH NUMBERS	OUTSIDE DIAMETER
PIN, 1-11	1/2"
10A, 12-15	5/8"
15A, 16-18	3/4"
18A, 19-22	1"
22A, 23-24	1 1/8"
25-26	1 3/8"
27-28	1 3/8"
29-30	1 1/2"

Taps for Threaded Shank Punches:

High speed steel hand taps for all thread sizes.



PUNCH NUMBERS	THREAD SIZE/PITCH TAP SIZE	RECOMMENDED TAP DRILL SIZE
PIN, 1-11	.295 x 32	LETTER F
PIN, 1-11 7/8" HEIGHT	.294 x 24	LETTER F
10A, 12-15	.365 x 32	LETTER R
15A, 16-18	.510 x 32	31/64"
18A, 19-22	.625 x 24	37/64"
22A, 23-24	.750 x 24	45/64"
25-26	1.000 x 14	59/64"
27-28	1.125 x 18	1 1/16"
29-30	1.250 x 18	1 3/16"

Press Fit Tube Punches

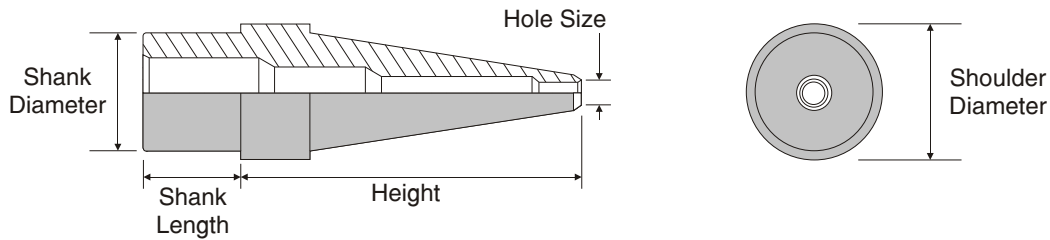
Standard Heights: 7/8" and 1 1/16".

Press Fit Tube Punches are ideal for heavy cutting in thick materials and may be used for many applications where standard feed-thru punches are utilized. These punches may be used for cutting multiple layers of material.

Overview of Features:

- For use in solid steel dies.
- Press fit shanks allow for simple cutting size changes.
- All press fit tube punches are made from thru-hardened and tempered tool steel for durability.
- 3/4", 7/8" and 1" heights have 9/32" shank length.
- 1 1/16" height has 3/8" shank length.

Reference Drawing: See table below for specifications.



ORDER NUMBER	NOMINAL HOLE SIZE	AVAILABLE HEIGHTS				SHANK DIAMETER	SHOULDER DIAMETER
		3/4"	7/8"	1.000"	1 1/16"		
1	.040"	●	●	●	●	5/16"	3/8"
2	3/64	●	●	●	●		
3	1/16	●	●	●	●		
4	5/64	●	●	●	●		
5	3/32	●	●	●	●		
6	7/64	●	●	●	●		
7	1/8	●	●	●	●		
8	5/32	●	●	●	●		
9	11/64	●	●	●	●		
10	3/16	●	●	●	●		
11	.1935	●	●	●	●		
12	13/64	●	●	●	●		
13	7/32	●	●	●	●		
14	1/4	●	●	●	●	3/8"	7/16"
16	5/16	●	●	●	●	7/16"	1/2"
18	3/8	●	●	●	●	9/16"	3/4"
20	7/16	●	●	●	●	5/8"	
22	1/2	●	●	●	●		

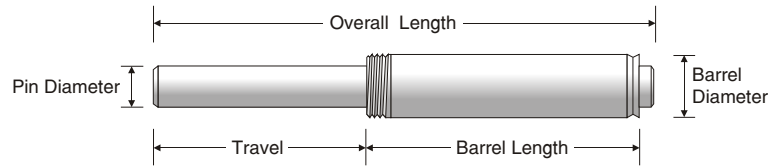
● STANDARD HEIGHT ● AVAILABLE BY SPECIAL ORDER

To order press fit feed-thru punches specify order number and height.

Retractable Guide Pins

Available with Brass or Aluminum Barrels

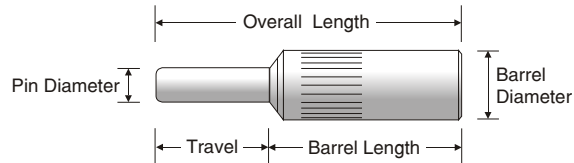
All pins are bright nickel plated steel - All interior springs are stainless steel.



BRASS

ORDER NUMBER	OVERALL LENGTH	BARREL		PIN	
		DIAMETER	LENGTH	DIAMETER	TRAVEL
CK-7	1 1/4"	3/16"	13/16"	1/8"	7/16"
CK-8	1 19/32"		1 1/32"		9/16"
CK-9	2 1/16"		1 1/4"		13/16"

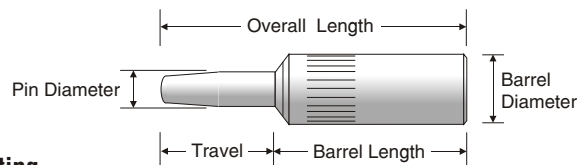
All brass retractable pins have 3/32" long 10 x 32 thread on barrel.



ALUMINUM

ORDER NUMBER	OVERALL LENGTH	BARREL		PIN	
		DIAMETER	LENGTH	DIAMETER	TRAVEL
CK-10	2 1/16"	1/4"	1 1/4"	1/8"	13/16"
CK-11	1 9/16"		1"		9/16"
CK-12	1 1/4"		3/4"		1/2"
CK-13	7/8"		5/8"		1/4"
CK-332	1 9/16"		1"		3/32"
CK-532	1 9/16"	1"	5/32"	9/16"	
CK-250	1 1/4"	11/32"	13/16"	1/4"	7/16"
CK-350	1 1/4"	5/16"	3/4"	3/16"	1/2"

All aluminum retractable pins have knurled barrels.



ALUMINUM TAPER

Pin is tapered to an end radius for improved locating.

ORDER NUMBER	OVERALL LENGTH	BARREL		PIN	
		DIAMETER	LENGTH	DIAMETER	TRAVEL
CK-10T	2 1/16"	1/4"	1 1/4"	1/8"	13/16"
CK-11T	1 9/16"		1"		9/16"
CK-12T	1 1/4"		3/4"		1/2"

All aluminum retractable pins have knurled barrels.

Special Order Punches

C & K Punches custom tailored to your specifications

We inventory over 1/2 million punches in a variety of standard sizes and styles. In the event that our standard products do not meet your needs, we can design and manufacture custom punches for your specific requirements.

We can produce custom punches with special:

- **Cutting sizes:** Metric, decimal or fractional increments.
- **Heights:** Virtually any height in .001" increments.
- **Base sizes:** Metric, decimal or fractional.
- **Bevels:** In combination with cutting size and base size we can adjust the bevel on any punch.
- **Base options:** We can knurl or cross drill (nail hole) the base of almost any punch, or provide a special thread on threaded shank punches.
- **Tolerances:** We are able to produce punches with cutting sizes, heights and other attributes to meet your dimensional tolerance requirements.

Please fax or call our sales department to request our **Special Order Punch Design Worksheets** or for additional information.

C&K PRODUCTS, INC. TO ORDER, CALL (201) 343-6750
 160 HOBART STREET HACKENSACK, NJ 07601 (800) 440-5635
 FAX (201) 343-1814

Special Order Punches

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 160 HOBART STREET HACKENSACK, NJ 07601 (800) 440-5635
 FAX (201) 343-1814

Special Order Punches
DESIGN WORKSHEET

Find the type of punch that most closely represents your needs and enter your required quantities, dimensions and other information in the table. Then fax it to our sales department at (201) 343-1814. We'll fax you back a quotation, or contact you for further information.

Please copy this page and use it as a worksheet.

SEAMLESS TUBULAR PUNCHES:

INSIDE BEVEL

CENTER BEVEL

OUTSIDE BEVEL

Quantity	Cutting Size	Base Size	Bevel	Height	Punch Type
					TUBULAR
					TUBULAR
					TUBULAR
					TUBULAR

SEAMLESS FEED-THRU PUNCHES:

Quantity	Cutting Size	Base Size	Height	Punch Type
				FEED THRU
				FEED THRU
				FEED THRU
				FEED THRU

Company Name: _____ Contact: _____
 Fax Number: () _____ Phone Number: () _____

"Custom designs are our specialty!"

