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America's Die Supply **SuperStore**

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Service,
Quality,
Experience...

Worldwide



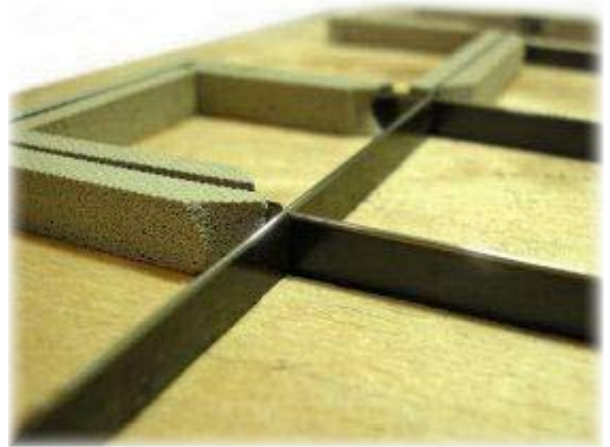
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AmeriKen represents one of the most comprehensive inventories available anywhere in the world. Not only can we boast the most extensive line of the highest quality punches available, our custom engineering capabilities are second to none. We carry a complete line of diemaking and diecutting supplies.

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Accepted at all AmeriKen locations.

General Punch Information

Cut Edge

The cut edge is the working end of the punch and usually varies from 20-30 degrees per side. The lesser the cut edge bevel, the less pressure it takes to cut, therefore preventing a distorted cut. All cut edges are machined, unlike rule, which may be ground or shaved.

Base

The base is the body of the punch which supports the cut edge. Bases come in many shapes. The base should always have a plus tolerance from "on size" to +/- .003. A base should never be under size. This will make it a loose fit.

Height

Height is the overall length from the top of the cut edge to the bottom of the punch. The height of the punch is usually precision ground to assure the proper tolerance.

Bevel

Usually there are three types of bevels... Center, Inside, and Outside. (See the diagrams on page 4 for details.) Center bevel is the most common of the three. On stock that is .014 or less, it does not matter which bevel you choose, as it will not influence the cut.

It's desirable to keep the longer bevel to the scrap side of the cut whenever possible.

Support Bevel

A support bevel is very critical to the performance and life of the punch. This bevel will add strength as well as stop chipping and peeling of the punch's cut edge. For example, a 1/2" base punch can not measure an exact 1/2" cut because of the 1/64" outside support bevel that is machined into the punch

to achieve concentricity. The cut size becomes 31/64" diameter.

This also applies to a 1/2" I.D. tube on a 9/16" base. The 1/64" inside support bevel makes the punch size a 33/64" cut diameter. If the support bevel on a self-cleaning punch is too big, the punch requires too much pressure to pick up the slug and will act as a cavity punch, leaving the slug in the work rather than removing it.

Wall Thickness

The most common wall thickness is .060 which is comparable to 4pt rule. This wall thickness is needed for maximum strength on standard applications, but can vary depending on your specific application.

Shoulder

A shoulder is measured from the top of the cut edge of a punch down to the solid base. The ideal shoulder should be flush with the dieboard. Shoulders may vary in self-cleaning punches because of strength needed to support the cut edge. These punches are preferably machined with the shortest shoulder possible because the pressure required to push the slugs through a long shoulder could lead to breakage of the punch.



Bridge

The bridge is the space between the shoulder and the top of a self-cleaning exhaust. The longer the cut size, the thicker the bridge needs to be.



If the cut length of a punch exceeds approximately 1-1/8", a special exhaust must be designed.

Undercuts

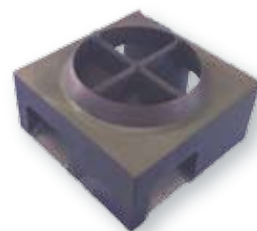
All self-cleaning and feed thru punches must have undercuts. This will reduce pressure it takes for the punch to remove slugs. If the undercut is inadequate, the punch may break or work as a cavity punch leaving the slug in the work rather than removing it.

Self Cleaning Exhaust

The exhaust chute on a self cleaning, side outlet, punch can be out the side or the end of the punch. An exhaust is a machined opening in the punch which allows the material to exit through and out of the punch. The exhaust should be as high as possible from the bottom of the self cleaning punch so that the scrap can exit as efficiently as possible. Each die cut slug pushes the next until they exit the punch.

Chisel Exhaust

A Chisel style exhaust is used when the bridge of a punch exceeds approximately 1-1/8". Above this length, the punch may flex over the bridge area. The chisel depth is usually half of the material thickness so that the first time the punch cuts the whole slug is removed. During the second cut, the forementioned slug is cut in half and exits the punch in two pieces.



Feed-Thru Exhaust

The Feed-Thru exhaust is a standard +.030 larger than the cut size of the punch and usually has the same shape as the cut. All feed-thru punches must be used in conjunction with a bolster plate.

General Punch Information

Serrations

Just about any punch can be serrated. The purpose of the serration is to



relieve the cutting pressure so that the punch does not crush or tear the

material when cutting. The most common materials using serration are corrugated and foam rubber. The serration will minimize scaving (hour glassing) of the material. When cutting material containing string or threads, the serrated punch often works best. Serrated punches always cut into a soft pad. Any tooth per inch (tpi) can be ordered. The most common tpi are 8-12 for corrugated and 12-14 "shallow profile" for foam.

**Cavity**

A cavity is a machined pocket on the inside of the cut edge. This pocket can vary in depth depending upon the application or machining limitations. A standard cavity depth should be 5/16" to accommodate standard die ejection.

**Chamfer**

A chamfer is an angle machined onto the bottom of a punch. This allows the punch to be inserted into the dieboard without shaving the sides of the hole.

Knurls

Knurls are most commonly found on self-cleaning punches. The knurl is machined onto the bottom of the punch and is approximately 1/4" long. A knurl resembles the rough surface of a ratchet handle. The straight knurl is cut into the base of the punch and raises the surface approximately +.010 from the base diameter. The purpose of the knurl is twofold. First, it stops the punch from turning, therefore keeping the correct alignment of the exhaust hole to the routed dieboard. Secondly, it keeps the punch tight in the dieboard, which can loosen after a re-rule with an unknurled punch.

**Nicking**

The purpose of a nick, or a deliberate break in the cut edge, is so that the slug stays in the diecut part. As the slug remains partially connected to the material, it is easier to handle without the slug falling out. If more than one nick is required, they should be symmetrical in the spacing of the punch. A nick is usually about .010 - .030 wide depending upon your requirements. Punches can be ordered with nicks, but are usually put in by the diemaker.

**Pins**

Pins are another method to keep a punch from turning in the dieboard. Most commonly they are used to keep the punch from being pulled through the dieboard by the material. Pins can be used on a heavy solid base punch, which may hang upside down in the press, to keep the punch from falling out of the dieboard.

**Springs**

A very common method of ejecting the scrap from the punch is the use of a spring. The spring usually protrudes 1/16" above the cut edge of the punch and has a working range of

about .100" of the travel. Springs are most common in tubing punches, but can be used in virtually any style of punch. Springs are available in base sizes from 1/8" to 7/8".

Punch Rubber

Punch rubber is another form of ejecting the scrap from the punch and is available in base sizes from 1/4" to 1-1/2".

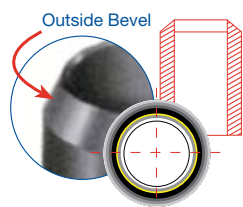


Tube Punches

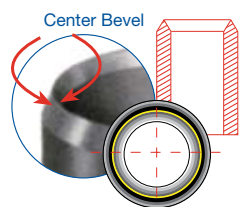
Standard Tube Punch

With AmeriKen tube punches, punch quality never deviates and uniformity is absolute. AmeriKen punches mean faster setup and less downtime because you get consistent quality, consistent sharpness, consistent long-life performance.

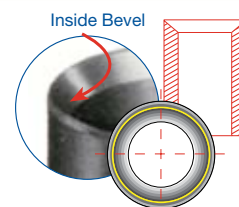
- ◆ Made from high quality light carbon tubing
- ◆ Case hardened in a Vacuum Carbonitriding furnace.
- ◆ Available in sizes from Pin Point to 12" diameter
- ◆ Can be made in unlimited variations



Outside bevels are used mostly on thicker, harder material where ejection of the pill is a problem.



Center Bevels are strongest and longest lasting.



Inside bevels are the most popular.

Base Size	Outside Bevel				Center Bevel		Inside Bevel					
	Cut Edge	Stock #	Cut Edge	Stock #	Cut Edge	Stock #	Cut Edge	Stock #	Cut Edge	Stock #	Cut Edge	Stock #
1/8			3/32	K-0					7/64	K-00		
3/16	7/64	K-1	3/32	K-2	1/8	K-3	9/64	K-4	5/32	K-5	11/64	K-6
1/4	9/64	K-7	5/32	K-8	3/16	K-9	13/64	K-10	7/32	K-11	15/64	K-12
5/16	13/64	K-13	7/32	K-14	1/4	K-15	17/64	K-16	9/32	K-17	19/64	K-18
3/8	17/64	K-19	9/32	K-20	5/16	K-21	21/64	K-22	11/32	K-23	23/64	K-24
7/16	21/64	K-25	11/32	K-26	3/8	K-27	25/64	K-28	13/32	K-29	27/64	K-30
1/2	25/64	K-31	13/32	K-32	7/16	K-33	29/64	K-34	15/32	K-35	31/64	K-36
9/16	29/64	K-37	15/32	K-38	1/2	K-39	33/64	K-40	17/32	K-41	35/64	K-42
5/8	33/64	K-43	17/32	K-44	9/16	K-45	37/64	K-46	19/32	K-47	39/64	K-48
11/16	37/64	K-49	19/32	K-50	5/8	K-51	41/64	K-52	21/32	K-53	43/64	K-54
3/4	41/64	K-55	21/32	K-56	11/16	K-57	45/64	K-58	23/32	K-59	47/64	K-60
13/16	45/64	K-61	23/32	K-62	3/4	K-63	49/64	K-64	25/32	K-65	51/64	K-66
7/8	49/64	K-67	25/32	K-68	13/16	K-69	53/64	K-70	27/32	K-71	55/64	K-72
15/16	53/64	K-73	27/32	K-74	7/8	K-75	57/64	K-76	29/32	K-77	59/64	K-78
1"	57/64	K-79	29/32	K-80	15/16	K-81	61/64	K-82	31/32	K-83	63/64	K-84
1-1/16	61/64	K-85	31/32	K-86	1"	K-87	1-1/64	K-88	1-1/32	K-89	1-3/64	K-90
1-1/8	1-1/64	K-91	1-1/32	K-92	1-1/16	K-93	1-5/64	K-94	1-3/32	K-95	1-7/64	K-96
1-3/16	1-5/64	K-97	1-3/32	K-98	1-1/8	K-99	1-9/64	K-100	1-5/32	K-101	1-11/64	K-102
1-1/4	1-9/64	K-103	1-5/32	K-104	1-3/16	K-105	1-13/64	K-106	1-7/32	K-107	1-15/64	K-108
1-5/16	1-13/64	K-109	1-7/32	K-110	1-1/4	K-111	1-17/64	K-112	1-9/32	K-113	1-19/64	K-114
1-3/8	1-17/64	K-115	1-9/32	K-116	1-5/16	K-117	1-21/64	K-118	1-11/32	K-119	1-23/64	K-120
1-7/16	1-21/64	K-121	1-11/32	K-122	1-3/8	K-123	1-25/64	K-124	1-13/32	K-125	1-27/64	K-126
1-1/2	1-25/64	K-127	1-13/32	K-128	1-7/16	K-129	1-29/64	K-130	1-15/32	K-131	1-31/64	K-132
1-9/16	1-29/64	K-133	1-15/32	K-134	1-1/2	K-135	1-33/64	K-136	1-17/32	K-137	1-35/64	K-138
1-5/8	1-33/64	K-139	1-17/32	K-140	1-9/16	K-141	1-37/64	K-142	1-19/32	K-143	1-39/64	K-144
1-11/16	1-37/64	K-145	1-19/32	K-146	1-5/8	K-147			1-21/32	K-148	1-43/64	K-149
1-3/4	1-41/64	K-150	1-21/32	K-151	1-11/16	K-152			1-23/32	K-153	1-47/64	K-154

Standard heights: .918, .937, also available .923, 1, 1-1/8, 1-1/4, 1-1/2, 2.

Tube Punches

Vacuum Carbonitriding

All AmeriKen tube and feed-thru punches are case hardened by vacuum carbonitriding. Vacuum carbonitriding is an exclusive heat treating process performed in a scientifically controlled vacuum environment, preventing the formation of thin, weak spots which shorten the cutting life of ordinary punches. Punch quality never deviates and uniformity is absolute!



The magnification shows the hardened case uniformity of an AmeriKen punch.

AmeriKen punches mean faster setup and less downtime because you get consistent quality, sharpness, and long-life performance.

Cup Punch

Standard Cups are made of solid bar stock, AmeriKen Cup Punches are used primarily for score cutting.



Bevel	Base Size	Cut Edge	Stock #	Bevel	Base Size	Cut Edge	Stock #
CB	1/16	1/32	K-601	OB	5/16	3/16	K-620
IB	1/16	.052	K-602	OB	5/16	7/32	K-621
CB	3/32	5/64	K-603	CB	5/16	1/4	K-622
IB	3/32	.084	K-604	IB	5/16	9/32	K-623
OB	1/8	3/64	K-605	IB	5/16	19/64	K-624
OB	1/8	5/64	K-606	OB	3/8	1/4	K-625
CB	1/8	1/16	K-607	OB	3/8	9/32	K-626
IB	1/8	3/32	K-608	CB	3/8	5/16	K-627
IB	1/8	7/64	K-609	IB	3/8	11/32	K-628
OB	3/16	1/16	K-610	IB	3/8	23/64	K-629
OB	3/16	3/32	K-611	OB	7/16	5/16	K-630
CB	3/16	1/8	K-612	OB	7/16	11/32	K-631
IB	3/16	5/32	K-613	CB	7/16	3/8	K-632
IB	3/16	11/64	K-614	IB	7/16	13/32	K-633
OB	1/4	1/8	K-615	IB	7/16	27/64	K-634
OB	1/4	5/32	K-616	OB	1/2	3/8	K-635
CB	1/4	3/16	K-617	OB	1/2	13/32	K-636
IB	1/4	7/32	K-618	CB	1/2	7/16	K-637
IB	1/4	15/64	K-619	IB	1/2	15/32	K-638
				IB	1/2	31/64	K-639

Standard height: .937, other heights available on request.

Tube Oval

Tube ovals are an economical alternative to a machined punch. Tube Oval Punches do not have full radius ends. If a full radius is required, specify a custom made AmeriKen punch.



Bevel	Cut Edge	Stock #	Bevel	Cut Edge	Stock #
IB	3/32 x 3/16	KOT-0612	CB	9/32 x 11/32	KOT-1822
IB	3/32 x 7/32	KOT-0614	IB	9/32 x 3/8	KOT-1824
CB	3/32 x 1/4	KOT-0616	IB	9/32 x 1/2	KOT-1832
CB	3/32 x 9/32	KOT-0618	CB	9/32 x 9/16	KOT-1836
CB	7/64 x 3/16	KOT-0712	IB	9/32 x 5/8	KOT-1840
IB	7/64 x 7/32	KOT-0714	IB	5/16 x 3/8	KOT-2024
CB	7/64 x 1/4	KOT-0716	CB	5/16 x 7/16	KOT-2028
IB	1/8 x 5/32	KOT-0810	IB	5/16 x 1/2	KOT-2032
IB	1/8 x 3/16	KOT-0812	IB	5/16 x 9/16	KOT-2036
CB	1/8 x 7/32	KOT-0814	CB	5/16 x 5/8	KOT-2040
IB	1/8 x 1/4	KOT-0816	IB	11/32 x 3/8	KOT-2224
IB	1/8 x 5/16	KOT-0820	IB	11/32 x 7/16	KOT-2228
IB	9/64 x 3/16	KOT-0912	CB	11/32 x 1/2	KOT-2232
IB	9/64 x 1/4	KOT-0916	IB	11/32 x 17/32	KOT-2234
IB	5/32 x 3/16	KOT-1012	IB	3/8 x 7/16	KOT-2428
IB	5/32 x 1/4	KOT-1016	CB	3/8 x 1/2	KOT-2432
CB	5/32 x 5/16	KOT-1020	IB	3/8 x 9/16	KOT-2436
IB	5/32 x 3/8	KOT-1024	IB	3/8 x 5/8	KOT-2440
IB	3/16 x 5/16	KOT-1220	IB	3/8 x 3/4	KOT-2448
IB	3/16 x 3/8	KOT-1224	IB	7/16 x 1/2	KOT-2832
IB	3/16 x 7/16	KOT-1228	IB	7/16 x 9/16	KOT-2836
CB	3/16 x 1/2	KOT-1232	IB	7/16 x 5/8	KOT-2840
IB	3/16 x 9/16	KOT-1236	IB	7/16 x 3/4	KOT-2848
IB	3/16 x 5/8	KOT-1240	CB	1/2 x 5/8	KOT-3240
IB	7/32 x 9/32	KOT-1418	IB	1/2 x 3/4	KOT-3248
IB	7/32 x 21/64	KOT-1421	OB	1/2 x 7/8	KOT-3256
IB	7/32 x 11/32	KOT-1422	IB	1/2 x 1	KOT-3264
CB	7/32 x 3/8	KOT-1424	OB	9/16 x 11/16	KOT-3644
IB	7/32 x 13/32	KOT-1426	OB	9/16 x 3/4	KOT-3648
IB	7/32 x 7/16	KOT-1428	CB	9/16 x 13/16	KOT-3652
IB	1/4 x 5/16	KOT-1620	CB	9/16 x 1	KOT-3664
IB	1/4 x 3/8	KOT-1624	IB	5/8 x 3/4	KOT-4048
IB	1/4 x 7/16	KOT-1628	OB	5/8 x 7/8	KOT-4056
IB	1/4 x 1/2	KOT-1632	IB	5/8 x 1	KOT-4064

Standard height: .937, other sizes available on request.

Save Time! Order Ejectors.

Springs are available in base sizes from 1/8 to 7/8. Punch rubber from 1/4 to 1-1/2.



Tube Punches

Exact Cut Straight Wall Punch

Inside Bevel Tube Punches for Narrow Places! The cutting edge is the same size as the base, so it can be used for close quarters where standard punches will not work. This eliminates the need for mitering, making it possible to butt up steel rule or other punches against the straight wall cutting edge of this punch.



Base Size & Cut Edge	Stock #	Base Size & Cut Edge	Stock #
3/64	KSW-503	17/32	KSW-534
1/16	KSW-504	35/64	KSW-535
5/64	KSW-505	9/16	KSW-536
3/32	KSW-506	37/64	KSW-537
7/64	KSW-507	19/32	KSW-538
1/8	KSW-508	39/64	KSW-539
9/64	KSW-509	5/8	KSW-540
5/32	KSW-510	41/64	KSW-541
11/64	KSW-511	21/32	KSW-542
3/16	KSW-512	43/64	KSW-543
13/64	KSW-513	11/16	KSW-544
7/32	KSW-514	45/64	KSW-545
15/64	KSW-515	23/32	KSW-546
1/4	KSW-516	47/64	KSW-547
17/64	KSW-517	3/4	KSW-548
9/32	KSW-518	49/64	KSW-549
19/64	KSW-519	25/32	KSW-550
5/16	KSW-520	51/64	KSW-551
21/64	KSW-521	13/16	KSW-552
11/32	KSW-522	53/64	KSW-553
23/64	KSW-523	27/32	KSW-554
3/8	KSW-524	55/64	KSW-555
25/64	KSW-525	7/8	KSW-556
13/32	KSW-526	57/64	KSW-557
27/64	KSW-527	29/32	KSW-558
7/16	KSW-528	59/64	KSW-559
29/64	KSW-529	15/16	KSW-560
15/32	KSW-530	61/64	KSW-561
31/64	KSW-531	31/32	KSW-562
1/2	KSW-532	63/64	KSW-563
33/64	KSW-533	1	KSW-564

Standard height: Precision ground .937 (accuracy $\pm .001$), other heights available. Call for quote.

**Our vast inventory includes many decimal and millimeter sizes.
In stock and ready to ship!**

Square Tube Punch

Square Tubes are made from high carbon tool steel. Hardened and tempered (through hardened). Heights ground to $\pm .001$.



Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
3/16	1/16	KSQ-104	3/8	5/16	KSQ-120
3/16	3/32	KSQ-106	3/8	21/64	KSQ-121
1/4	1/8	KSQ-108	3/8	11/32	KSQ-122
5/16	5/32	KSQ-110	3/8	23/64	KSQ-123
5/16	3/16	KSQ-112	1/2	3/8	KSQ-124
5/16	7/32	KSQ-114	1/2	13/32	KSQ-126
3/8	1/4	KSQ-116	1/2	7/16	KSQ-128
3/8	17/64	KSQ-117	5/8	1/2	KSQ-132
3/8	9/32	KSQ-118	3/4	5/8	KSQ-140

Standard height: .937, spring ejectors available for all sizes except 1/16 and 3/32

Straight Wall Plus Punch

Made from rugged tool steel. Outside support bevel of .007 gives these Straight Wall Plus punches the ability to make a sharper cut with even less pressure than the standard Straight Wall.



Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
9/64	1/8	KSP-708	25/64	3/8	KSP-724
5/32	9/64	KSP-709	13/32	25/64	KSP-725
11/64	5/32	KSP-710	27/64	13/32	KSP-726
3/16	11/64	KSP-711	7/16	27/64	KSP-727
13/64	3/16	KSP-712	29/64	7/16	KSP-728
7/32	13/64	KSP-713	15/32	29/64	KSP-729
15/64	7/32	KSP-714	31/64	15/32	KSP-730
1/4	15/64	KSP-715	1/2	31/64	KSP-731
17/64	1/4	KSP-716	33/64	1/2	KSP-732
9/32	17/64	KSP-717	17/32	33/64	KSP-733
19/64	9/32	KSP-718	35/64	17/32	KSP-734
5/16	19/64	KSP-719	9/16	35/64	KSP-735
21/64	5/16	KSP-720	37/64	9/16	KSP-736
11/32	21/64	KSP-721	19/32	37/64	KSP-737
23/64	11/32	KSP-722	39/64	19/32	KSP-738
3/8	23/64	KSP-723	5/8	39/64	KSP-739

Standard height: .937, other sizes available on request.

Tube Punches

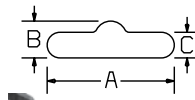
Perfect Cut Punch

Traditional hanger and oval punches are known to deform, have inconsistency in both the height and the body, and break easily. This results in on-press downtime and re-knifing issues.

AmeriKen's exclusive process on the Perfect Cut line delivers a punch which is twice as strong as the traditional punch and eliminates deformation, inconsistencies and breakage issues.

Once manufactured we certify the cut edge to ensure perfect quality on every Perfect Cut punch.

- ◆ Highest tolerance in the industry
- ◆ Consistent height on cut edges
- ◆ Bevel angle stays consistent, no rollover
- ◆ Documented base for consistent fit
- ◆ 50% stronger than standard punches
- ◆ Perfect for kiss cutting

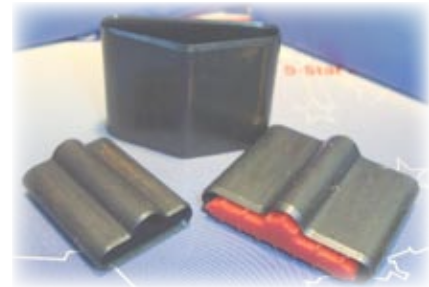
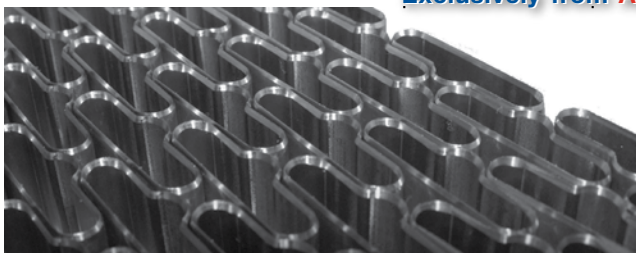


Perfect Cut Hanger Hole Punch

Shape	Stock #	A	B	C	Shape	Stock #	A	B	C
	PC11	.700	.270	.170		PC14	1.176	.295	.186
	PC11L	.765	.335	.235		PC14L	1.241	.360	.250
	PC12	.893	.275	.180		PC15	1.180	.360	
	PC12L	.958	.340	.245		PC15L	1.245	.425	
	PC13	1.093	.275	.180		PC16	1.180	.360	
	PC13L	1.158	.340	.245		PC16L	1.245	.425	

"L" punches can be used as a layover
Standard heights: .918, .937, 1-1/8, 1-1/42

Perfect Fit!
Perfect Cut!
Perfect Quality!
So Perfect ...There is
NO COMPETITION!
Exclusively from AmeriKen



**Custom Punch Out is
available for our Perfect Cut
Hanger Hole Punches!**



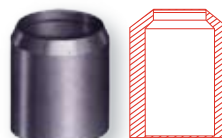
Perfect Cut Oval Punch

Cut Edge	Stock #	Cut Edge	Stock #
1/8 x 5/32	KPCO-0808	5/16 x 1/2	KPCO-2032
1/8 x 3/16	KPCO-0812	5/16 x 9/16	KPCO-2036
1/8 x 1/4	KPCO-0816	5/16 x 5/8	KPCO-2040
1/8 x 5/16	KPCO-0820	5/16 x 11/16	KPCO-2044
1/8 x 3/8	KPCO-0824	5/16 x 3/4	KPCO-2048
1/8 x 7/16	KPCO-0828	5/16 x 7/8	KPCO-2056
1/8 x 1/2	KPCO-0832	5/16 x 1	KPCO-2064
1/8 x 9/16	KPCO-0836	5/16 x 1-1/8	KPCO-2072
1/8 x 5/8	KPCO-0840	5/16 x 1-1/4	KPCO-2080
1/8 x 11/16	KPCO-0844	3/8 x 7/16	KPCO-2428
1/8 x 3/4	KPCO-0848	3/8 x 1/2	KPCO-2432
1/8 x 7/8	KPCO-0856	3/8 x 9/16	KPCO-2436
1/8 x 1	KPCO-0864	3/8 x 5/8	KPCO-2440
1/8 x 1-1/8	KPCO-0872	3/8 x 11/16	KPCO-2444
1/8 x 1-1/4	KPCO-0880	3/8 x 3/4	KPCO-2448
3/16 x 1/4	KPCO-1216	3/8 x 7/8	KPCO-2456
3/16 x 5/16	KPCO-1220	3/8 x 1	KPCO-2464
3/16 x 3/8	KPCO-1224	3/8 x 1-1/8	KPCO-2472
3/16 x 7/16	KPCO-1228	3/8 x 1-1/4	KPCO-2480
3/16 x 1/2	KPCO-1232	7/16 x 1/2	KPCO-2832
3/16 x 9/16	KPCO-1236	7/16 x 9/16	KPCO-2836
3/16 x 5/8	KPCO-1240	7/16 x 5/8	KPCO-2840
3/16 x 11/16	KPCO-1244	7/16 x 11/16	KPCO-2844
3/16 x 3/4	KPCO-1248	7/16 x 3/4	KPCO-2848
3/16 x 7/8	KPCO-1256	7/16 x 7/8	KPCO-2856
3/16 x 1	KPCO-1264	7/16 x 1	KPCO-2864
3/16 x 1-1/8	KPCO-1272	7/16 x 1-1/8	KPCO-2872
3/16 x 1-1/4	KPCO-1280	7/16 x 1-1/4	KPCO-2880
1/4 x 5/16	KPCO-1620	1/2 x 9/16	KPCO-3236
1/4 x 3/8	KPCO-1624	1/2 x 5/8	KPCO-3240
1/4 x 7/16	KPCO-1628	1/2 x 11/16	KPCO-3244
1/4 x 1/2	KPCO-1632	1/2 x 3/4	KPCO-3248
1/4 x 9/16	KPCO-1636	1/2 x 7/8	KPCO-3256
1/4 x 5/8	KPCO-1640	1/2 x 1	KPCO-3264
1/4 x 11/16	KPCO-1644	1/2 x 1-1/8	KPCO-3272
1/4 x 3/4	KPCO-1648	1/2 x 1-1/4	KPCO-3280
1/4 x 7/8	KPCO-1656	5/8 x 11/16	KPCO-4044
1/4 x 1	KPCO-1664	5/8 x 3/4	KPCO-4048
1/4 x 1-1/8	KPCO-1672	5/8 x 7/8	KPCO-4056
1/4 x 1-1/4	KPCO-1680	5/8 x 1	KPCO-4064
5/16 x 3/8	KPCO-2024	5/8 x 1-1/8	KPCO-4072
5/16 x 7/16	KPCO-2028	5/8 x 1-1/4	KPCO-4080

Feed-Thru Punches

Standard Feed-Thru Punch

Feed-Thru punches are made from seamless tubing and widely used by felt, leather, and gasket manufacturers. The inside diameter is relieved from the back to give the punch a wide inside clearance, allowing pills to clear smoothly through the base of the punch. This eliminates stripping and permits heavier material to be cut.



- ◆ Made from high quality light carbon tubing
- ◆ Case hardened in a Vacuum Carbonitriding furnace
- ◆ Ejection is "thru" the back of the punch

Miniature High Carbon Tool Steel

Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
3/16	1/16	K-262	3/16	1/32	K-265
3/16	5/64	K-263	3/16	3/64	K-266
1/8	1/16	K-264	1/8	1/32	K-267
			1/8	3/64	K-268

Oversized Feed-Thru Punch

Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
1-3/16	1-1/16	K-300	1-3/8	1-1/4	K-306
1-3/16	1-3/32	K-301	1-3/8	1-9/32	K-307
1-1/4	1-1/8	K-302	1-7/16	1-5/16	K-308
1-1/4	1-5/32	K-303	1-7/16	1-11/32	K-309
1-5/16	1-3/16	K-304	1-1/2	1-3/8	K-310
1-5/16	1-7/32	K-305	1-1/2	1-13/32	K-311

Also available in Feed-Thru Punches

Special hole sizes, heights, tube sizes, and bevels.
Punches for abrasive materials.

Need a Special Size Punch?
email us for a quote
sales@ameriken.com

Base Size	Cut Edge	T/ XT	Stock #	Base Size	Cut Edge	T/ XT	Stock #
3/16	3/32		K-200	11/16	9/16		K-237
3/16	7/64	T	KT-201	11/16	37/64		K-238
3/16	1/8	XT	KE-202	11/16	19/32		K-239
1/4	1/8		K-203	11/16	39/64	T	KT-240
1/4	9/64		K-204	11/16	5/8	XT	QUOTE
1/4	5/32		K-205	3/4	5/8		K-241
1/4	11/64	T	KT-206	3/4	41/64		K-242
1/4	3/16	XT	KE-207	3/4	21/32		K-243
5/16	3/16		K-208	3/4	43/64	T	QUOTE
5/16	13/64		K-209	3/4	11/16	XT	QUOTE
5/16	7/32		K-210	13/16	11/16		K-244
5/16	15/64	T	KT-211	13/16	45/64		K-245
5/16	1/4	XT	KE-212	13/16	23/32		K-246
3/8	1/4		K-213	13/16	47/64	T	QUOTE
3/8	17/64		K-214	13/16	3/4	XT	QUOTE
3/8	9/32		K-215	7/8	3/4		K-247
3/8	19/64	T	KT-216	7/8	49/64		K-248
3/8	5/16	XT	KE-217	7/8	25/32		K-249
7/16	5/16		K-218	7/8	51/64	T	QUOTE
7/16	21/64		K-219	7/8	13/16	XT	QUOTE
7/16	11/32		K-220	15/16	13/16		K-250
7/16	23/64	T	KT-221	15/16	53/64		K-251
7/16	3/8	XT	KE-222	15/16	27/32		K-252
1/2	3/8		K-223	15/16	55/64	T	QUOTE
1/2	25/64		K-224	15/16	7/8	XT	QUOTE
1/2	13/32		K-225	1	7/8		K-253
1/2	27/64	T	KT-226	1	57/64		K-254
1/2	7/16	XT	KE-227	1	29/32		K-255
9/16	7/16		K-228	1	59/64	T	QUOTE
9/16	29/64		K-229	1	15/16	XT	QUOTE
9/16	15/32		K-230	1-1/16	15/16		K-256
9/16	31/64	T	KT-231	1-1/16	61/64		K-257
9/16	1/2	XT	KE-232	1-1/16	31/32		K-258
5/8	1/2		K-233	1-1/16	63/64	T	QUOTE
5/8	33/64		K-234	1-1/16	1	XT	QUOTE
5/8	17/32		K-235	1-1/8	1		K-259
5/8	35/64	T	KT-236	1-1/8	1-1/64		K-260
5/8	9/16	XT	QUOTE	1-1/8	1-1/32		K-261
				1-1/8	1-3/64	T	QUOTE
				1-1/8	1-1/16	XT	QUOTE

"T" indicates Thin Wall, "XT" indicates Extra Thinwall
"QUOTE" indicates special sizes quoted on request.
Standard height .937, also available in 1-1/8, 1-1/4, 1-1/2 and 2.

Feed-Thru Punches

Heavy Duty Feed-Thru Punch

When it comes to punching extra thick, tough materials, these special feed-thru punches are a cut above the standard line and will even "stack cut" materials up to 1/4".



Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
3/16	3/32	KHD-200	5/8	1/2	KHD-233
3/16	7/64	KHD-201	5/8	33/64	KHD-234
1/4	1/8	KHD-203	5/8	17/32	KHD-235
1/4	9/64	KHD-204	5/8	35/64	KHD-236
1/4	5/32	KHD-205	11/16	9/16	KHD-237
1/4	11/64	KHD-206	11/16	37/64	KHD-238
5/16	3/16	KHD-208	11/16	19/32	KHD-239
5/16	13/64	KHD-209	11/16	39/64	KHD-240
5/16	7/32	KHD-210	3/4	5/8	KHD-241
5/16	15/64	KHD-211	3/4	41/64	KHD-242
3/8	1/4	KHD-213	3/4	21/32	KHD-243
3/8	17/64	KHD-214	13/16	11/16	KHD-244
3/8	9/32	KHD-215	13/16	45/64	KHD-245
3/8	19/64	KHD-216	13/16	23/32	KHD-246
7/16	5/16	KHD-218	7/8	3/4	KHD-247
7/16	21/64	KHD-219	7/8	49/64	KHD-248
7/16	11/32	KHD-220	7/8	25/32	KHD-249
7/16	23/64	KHD-221	15/16	13/16	KHD-250
1/2	3/8	KHD-223	15/16	53/64	KHD-251
1/2	25/64	KHD-224	15/16	27/32	KHD-252
1/2	13/32	KHD-225	1	7/8	KHD-253
1/2	27/64	KHD-226	1	57/64	KHD-254
9/16	7/16	KHD-228	1	29/32	KHD-255
9/16	29/64	KHD-229	1-1/16	15/16	KHD-256
9/16	15/32	KHD-230	1-1/16	61/64	KHD-257
9/16	31/64	KHD-231	1-1/16	31/32	KHD-258
			1-1/8	1	KHD-259
			1-1/8	1-1/64	KHD-260
			1-1/8	1-1/32	KHD-261

Standard height: .937, ± .001 Tolerance

Oversized Heavy Duty Feed-Thru Punch

Whenever you have a job where a standard feed-thru punch may be too light, rely on these specials to do the trick. They are manufactured to precision tolerance from high carbon tool steel for extra long life. They cut sharp and stay sharp, and assure you increased production and less down time than any other punch on the market today.

Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
1-3/16	1-1/16	KHD-300	1-3/8	1-1/4	KHD-306
1-3/16	1-3/32	KHD-301	1-3/8	1-9/32	KHD-307
1-1/4	1-1/8	KHD-302	1-7/16	1-5/16	KHD-308
1-1/4	1-5/32	KHD-303	1-7/16	1-11/32	KHD-309
1-5/16	1-3/16	KHD-304	1-1/2	1-3/8	KHD-310
1-5/16	1-7/32	KHD-305	1-1/2	1-13/32	KHD-311

Standard height: .937, other heights and sizes available. Also available in Heavy Wall.

Miniature Heavy Duty Feed-Thru Punch

Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
3/16	1/16	KHD-262	3/16	1/32	KHD-265
3/16	5/64	KHD-263	3/16	3/64	KHD-266
1/8	1/16	KHD-264	1/8	1/32	KHD-267
			1/8	3/64	KHD-268

The ultimate concept in feed-thru punches!

AmeriKen's exclusive "KUTS-ALL" line is unmatched in the industry.

The KUTS-ALL was developed to cut specialty items in the abrasives industry or any material that is hard-to-feed, like adhesives. Special angles have been engineered on the exterior and interior bevels which "grab the waste", resulting in a punch that cuts longer, grabs better, and sets up faster! Results are outstanding.

Available in diameters of 3/16 and larger.



Side Outlet Punches

Standard Side Outlet Punch

Side Outlet Punches are used where cleaning out the pill is necessary. Can be used on press that opens and allows the pill to drop away from the cutting surface. Routing of the dieboard is critical to the performance of a side outlet punch. Available in decimal sizes and with knurled bases. Also available in special shapes, bases, heights, and side holes

- ◆ Made from high quality light carbon tubing
- ◆ Hardened and tempered (thru hardened)
- ◆ Heights ground to +/- .001

Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
1/8	1/32	K-400	3/8	15/64	K-426	9/16	7/16	K-452
3/16	1/32	K-401	13/32	15/64	K-427	19/32	7/16	K-453
1/8	3/64	K-402	3/8	1/4	K-428	5/8	7/16	K-454
3/16	3/64	K-403	13/32	1/4	K-429	19/32	29/64	K-455
1/8	1/16	K-404	3/8	17/64	K-430	5/8	29/64	K-456
3/16	1/16	K-405	7/16	9/32	K-431	5/8	15/32	K-457
1/8	5/64	K-406	3/8	9/32	K-432	3/4	15/32	K-458
3/16	5/64	K-407	7/16	19/64	K-433	5/8	31/64	K-459
3/16	3/32	K-408	7/16	5/16	K-434	5/8	1/2	K-460
1/4	3/32	K-409	15/32	5/16	K-435	21/32	1/2	K-461
3/16	7/64	K-410	7/16	21/64	K-436	3/4	1/2	K-462
1/4	7/64	K-411	1/2	21/64	K-437	5/8	33/64	K-463
1/4	1/8	K-412	1/2	11/32	K-438	21/32	33/64	K-464
5/16	1/8	K-413	9/16	11/32	K-439	11/16	17/32	K-465
1/4	9/64	K-414	1/2	23/64	K-440	3/4	17/32	K-466
5/16	9/64	K-415	1/2	3/8	K-441	11/16	35/64	K-467
1/4	5/32	K-416	17/32	3/8	K-442	23/32	35/64	K-468
5/16	5/32	K-417	9/16	3/8	K-443	23/32	9/16	K-469
1/4	11/64	K-418	5/8	3/8	K-444	3/4	9/16	K-470
5/16	11/64	K-419	1/2	25/64	K-445	3/4	37/64	K-471
5/16	3/16	K-420	9/16	25/64	K-446	3/4	19/32	K-472
3/8	3/16	K-421	1/2	13/32	K-447	3/4	39/64	K-473
5/16	13/64	K-422	9/16	13/32	K-448	7/8	5/8	K-474
3/8	13/64	K-423	5/8	13/32	K-449	1	5/8	K-475
5/16	7/32	K-424	9/16	27/64	K-450	1	11/16	K-476
3/8	7/32	K-425	5/8	27/64	K-451	1	3/4	K-477
						1-1/8	3/4	K-478

Standard height: .937, also available in .918, .923, 1, 1-1/8, 1-1/4, 1-1/2, 2. Also available with knurled bases.

Square Side Outlet Punch

Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
1/4	1/8	KSQ-408	1/2	9/32	KSQ-418
5/16	5/32	KSQ-410	1/2	5/16	KSQ-420
3/8	3/16	KSQ-412	5/8	3/8	KSQ-424
1/2	7/32	KSQ-414	5/8	7/16	KSQ-428
1/2	1/4	KSQ-416	3/4	1/2	KSQ-432

Standard height: .937



Heavy Duty Side Outlet Punch

A more powerful version of our standard side outlets. These punches are able to cut thicker, tough-to-cut materials.



Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
5/16	1/16	KHD-404	1/2	5/16	KHD-434
5/16	5/64	KHD-406	1/2	21/64	KHD-436
5/16	3/32	KHD-408	1/2	11/32	KHD-438
5/16	7/64	KHD-410	1/2	23/64	KHD-440
5/16	1/8	KHD-412	1/2	3/8	KHD-441
5/16	9/64	KHD-414	9/16	13/32	KHD-445
5/16	5/32	KHD-416	5/8	7/16	KHD-452
5/16	11/64	KHD-418	5/8	15/32	KHD-457
3/8	3/16	KHD-420	5/8	1/2	KHD-460
3/8	13/64	KHD-422	3/4	1/2	KHD-461
3/8	7/32	KHD-424	3/4	17/32	KHD-465
3/8	15/64	KHD-426	3/4	9/16	KHD-470
3/8	1/4	KHD-428	7/8	19/32	KHD-472
3/8	17/64	KHD-430	7/8	5/8	KHD-474
1/2	9/32	KHD-431	1	5/8	KHD-475
1/2	19/64	KHD-433	1	11/16	KHD-476
			1-1/8	3/4	KHD-477

Standard height: .937, also available in .918, .923, 1, 1-1/8, 1-1/4, 1-1/2.

Rectangular Side Outlet Punch



Base Size	Cut Edge	Stock #
1/4 x 5/16	1/16 x 1/8	KRSO-0408
1/4 x 5/16	1/16 x 3/16	KRSO-0412
1/4 x 1/2	1/8 x 3/16	KRSO-0812
1/4 x 1/2	1/8 x 1/4	KRSO-0816
1/4 x 1/2	1/8 x 5/16	KRSO-0820
1/4 x 5/8	1/8 x 3/8	KRSO-0824
3/8 x 1/2	3/16 x 1/4	KRSO-1216
3/8 x 5/8	3/16 x 5/16	KRSO-1220
3/8 x 5/8	3/16 x 3/8	KRSO-1224
3/8 x 3/4	3/16 x 1/2	KRSO-1232
1/2 x 3/4	1/4 x 3/8	KRSO-1624
1/2 x 1	1/4 x 1/2	KRSO-1632

Standard height: .937, also available in .918, .923, 1, 1-1/8, 1-1/4, 1-1/2.

Side Outlet Punches

Oblong Side Outlet Punch

When shaped steel rule ovals are an ineffective solution, use our slot type punch. It cleanly cuts thicker materials, is self cleaning, and punches out a precision slot where other punches or steel rule would break or spread apart. Excellent for slotting chipboard, leather, felt, composites, plastics, and polycarbonates.



Base Size	Cut Edge	Stock #
1/4 F x 5/16R	1/16 x 1/8	KOSO-0408
1/4F x 5/16R	1/16 x 3/16	KOSO-0412
1/4F x 5/16R	1/16 x 7/32	KOSO-0414
1/4 x 3/8	1/16 x 1/4	KOSO-0416
1/4 x 1/2	1/16 x 9/32	KOSO-0418
1/4 x 1/2	1/16 x 5/16	KOSO-0420
1/4 x 1/2	1/16 x 3/8	KOSO-0424
1/4 x 3/4	1/16 x 7/16	KOSO-0428
1/4 x 3/4	1/16 x 1/2	KOSO-0432
1/4 x 1	1/16 x 9/16	KOSO-0436
1/4 x 1	1/16 x 5/8	KOSO-0440
1/4 x 1	1/16 x 3/4	KOSO-0448
1/4 x 1-1/4	1/16 x 1	KOSO-0464
1/4F x 5/16R	3/32 x 3/16	KOSO-0612
1/4 x 1/2	3/32 x 7/32	KOSO-0614
1/4 x 1/2	3/32 x 1/4	KOSO-0616
1/4 x 1/2	3/32 x 9/32	KOSO-0618
1/4 x 1/2	3/32 x 5/16	KOSO-0620
1/4 x 1/2	3/32 x 3/8	KOSO-0624
1/4 x 3/4	3/32 x 7/16	KOSO-0628
1/4 x 3/4	3/32 x 1/2	KOSO-0632
1/4 x 1	3/32 x 9/16	KOSO-0636
1/4 x 1	3/32 x 5/8	KOSO-0640
1/4 x 1	3/32 x 3/4	KOSO-0648
1/4 x 1-1/4	3/32 x 1	KOSO-0664
1/4 x 1/2	1/8 x 3/16	KOSO-0812
1/4 x 1/2	1/8 x 7/32	KOSO-0814
1/4 x 1/2	1/8 x 1/4	KOSO-0816
1/4 x 1/2	1/8 x 9/32	KOSO-0818
1/4 x 1/2	1/8 x 5/16	KOSO-0820
1/4 x 1/2	1/8 x 3/8	KOSO-0824
3/8 x 3/4	1/8 x 7/16	KOSO-0828
3/8 x 3/4	1/8 x 1/2	KOSO-0832
3/8 x 1	1/8 x 9/16	KOSO-0836
3/8 x 1	1/8 x 5/8	KOSO-0840
3/8 x 1	1/8 x 3/4	KOSO-0848
3/8 x 1-1/4	1/8 x 1	KOSO-0864
3/8 x 1-1/2	1/8 x 1-1/8	KOSO-0872
3/8 x 1/2	5/32 x 1/4	KOSO-1016
3/8 x 1/2	5/32 x 5/16	KOSO-1020

Base Size	Cut Edge	Stock #
3/8 x 5/8	5/32 x 3/8	KOSO-1024
3/8 x 3/4	5/32 x 7/16	KOSO-1028
3/8 x 3/4	5/32 x 1/2	KOSO-1032
3/8 x 1	5/32 x 9/16	KOSO-1036
3/8 x 1	5/32 x 5/8	KOSO-1040
3/8 x 1	5/32 x 3/4	KOSO-1048
3/8 x 1-1/4	5/32 x 1	KOSO-1064
3/8 x 1-1/2	5/32 x 1-1/8	KOSO-1072
3/8 x 1/2	3/16 x 1/4	KOSO-1216
3/8 x 5/8	3/16 x 5/16	KOSO-1220
3/8 x 5/8	3/16 x 3/8	KOSO-1224
3/8 x 3/4	3/16 x 7/16	KOSO-1228
3/8 x 3/4	3/16 x 1/2	KOSO-1232
3/8 x 1	3/16 x 9/16	KOSO-1236
3/8 x 1	3/16 x 5/8	KOSO-1240
3/8 x 1	3/16 x 3/4	KOSO-1248
3/8 x 1-1/4	3/16 x 1	KOSO-1264
3/8 x 1-1/2	3/16 x 1-1/8	KOSO-1272
1/2 x 5/8	1/4 x 5/16	KOSO-1620
1/2 x 3/4	1/4 x 3/8	KOSO-1624
1/2 x 3/4	1/4 x 7/16	KOSO-1628
1/2 x 1	1/4 x 1/2	KOSO-1632
1/2 x 1	1/4 x 9/16	KOSO-1636
1/2 x 1	1/4 x 5/8	KOSO-1640
1/2 x 1	1/4 x 3/4	KOSO-1648
1/2 x 1-1/4	1/4 x 1	KOSO-1664
1/2 x 1-1/2	1/4 x 1-1/8	KOSO-1672
1/2 x 3/4	5/16 x 3/8	KOSO-2024
1/2 x 1	5/16 x 1/2	KOSO-2032
1/2 x 1	5/16 x 9/16	KOSO-2036
1/2 x 1	5/16 x 5/8	KOSO-2040
1/2 x 1	5/16 x 3/4	KOSO-2048
1/2 x 1-1/4	5/16 x 1	KOSO-2064
1/2 x 1-1/2	5/16 x 1-1/8	KOSO-2072
5/8 x 1	3/8 x 1/2	KOSO-2432
3/4 x 1	3/8 x 9/16	KOSO-2436
3/4 x 1	3/8 x 5/8	KOSO-2440
3/4 x 1	3/8 x 3/4	KOSO-2448
3/4 x 1-1/4	3/8 x 1	KOSO-2464
3/4 x 1-1/2	3/8 x 1-1/8	KOSO-2472

Standard height: .937, other heights available on request.

Rotary Punches

AmeriKen leads the rotary world with the largest variety of serrated punches available. From our most economical line (Performance Plus) to a unique curvature design (Ultimate Rotary), AmeriKen has a serrated punch for every application!

Serrated Rotary Tube

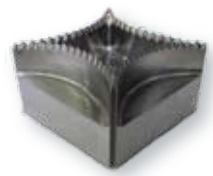


Base Size	Cut Edge Outside Bevel Stock #	Cut Edge Center Bevel Stock #	Cut Edge Inside Bevel Stock #
1/4	9/64 KRS-7	3/16 KRS-9	15/64 KRS-12
5/16	13/64 KRS-13	1/4 KRS-15	19/64 KRS-18
3/8	17/64 KRS-19	5/16 KRS-21	23/64 KRS-24
7/16	21/64 KRS-25	3/8 KRS-27	27/64 KRS-30
1/2	25/64 KRS-31	7/16 KRS-33	31/64 KRS-36
9/16	29/64 KRS-37	1/2 KRS-39	35/64 KRS-42
5/8	33/64 KRS-43	9/16 KRS-45	39/64 KRS-48
11/16	37/64 KRS-49	5/8 KRS-51	43/64 KRS-54
3/4	41/64 KRS-55	11/16 KRS-57	47/64 KRS-60
13/16	45/64 KRS-61	3/4 KRS-63	51/64 KRS-66
7/8	49/64 KRS-67	13/16 KRS-69	55/64 KRS-72
15/16	53/64 KRS-73	7/8 KRS-75	59/64 KRS-78
1"	57/64 KRS-79	15/16 KRS-81	63/64 KRS-84
1-1/16	61/64 KRS-85	1" KRS-87	1-3/64 KRS-90
1-1/8	1-1/64 KRS-91	1-1/16 KRS-93	1-7/64 KRS-96
1-3/16	1-5/64 KRS-97	1-1/8 KRS-99	1-11/64 KRS-102
1-1/4	1-9/64 KRS-103	1-3/16 KRS-105	1-15/64 KRS-108
1-5/16	1-13/64 KRS-109	1-1/4 KRS-111	1-19/64 KRS-114
1-3/8	1-17/64 KRS-115	1-5/16 KRS-117	1-23/64 KRS-120
1-1/2	1-25/64 KRS-127	1-7/16 KRS-129	1-31/64 KRS-132

Standard heights: .970 and 1, other heights available are .937, .990 and 1.023

Serrated Rotary Common Knife Connector

Serrated common knife connector, curved to the shape of the rotary dieboard.



Performance Plus Rotary

Base Size & Cut Edge	Stock #
1/4	KPP-12
5/16	KPP-18
3/8	KPP-24
7/16	KPP-30
1/2	KPP-36
9/16	KPP-42
5/8	KPP-48
11/16	KPP-54
3/4	KPP-60
13/16	KPP-66
7/8	KPP-72
15/16	KPP-78
1	KPP-84
1-1/8	QUOTE
1-1/4	KPP-108



Standard heights: .970, .990, 1 and 1.023, available in inside bevel only.



Evol Punch with Gate Hole


Machined with a square relief hole to run on rotary diecutters using mechanical stripping.

Serrated Rotary Side Outlet (Knurled Base)

Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
1/4	1/8	KRS-412	7/16	5/16	KRS-434
5/16	3/16	KRS-420	1/2	3/8	KRS-441
3/8	1/4	KRS-428	5/8	7/16	KRS-454
			3/4	1/2	KRS-462

Standard heights: .970 and 1, other heights available are .937, .990 and 1.023






Ultimate Rotary Punch


Our Top of the Line Rotary Diecutting Punch

"Rotary Friendly"


The punch aligns perfectly to the radius of the cylinder. No more rocking, less tearing of the stock, less damage to the dieboard or anvil blankets, all with less cutting pressure.




Serrated Inside Bevel aids Self Ejection



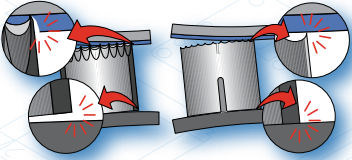
Alignment Marks indicate radius for proper insertion



Flex Slots allow a snug, accurate fit



Beveled Bottom eases insertion into the die



Specialty Punches

Common Knife Connectors

Knife connectors allow common-line knifing when several parts are to be cut with one die. The resulting material savings easily justifies the cost of the knife connectors.

Positive rule joints are easily made without troublesome brazing or welding through the machined V-slot. Knife connectors will accept any center bevel rule.



2-Corner 4-Corner

Base Size	Radius Size	Stock #	Base Size	Radius Size	Stock #
1/2	1/8	KCK-20832	1/2	1/8	KCK-40832
1/2	3/16	KCK-21232	1/2	3/16	KCK-41232
5/8	1/4	KCK-21640	5/8	1/4	KCK-41640
3/4	5/16	KCK-22048	3/4	5/16	KCK-42048
7/8	3/8	KCK-22456	7/8	3/8	KCK-42456
1-1/8	1/2	KCK-23272	1-1/8	1/2	KCK-43272

Standard height: .937, round base, center bevel, 5/16 shoulder for 5/8 die board.

Kriss-Kross



Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
1/8	1/8	KCP-0808	5/16	5/16	KCP-2020
1/4	1/8	KCP-0816	3/8	3/8	KCP-2424
3/16	3/16	KCP-1212	1/2	1/2	KCP-3232
1/4	1/4	KCP-1616	5/8	5/8	KCP-4040
			3/4	3/4	KCP-4848

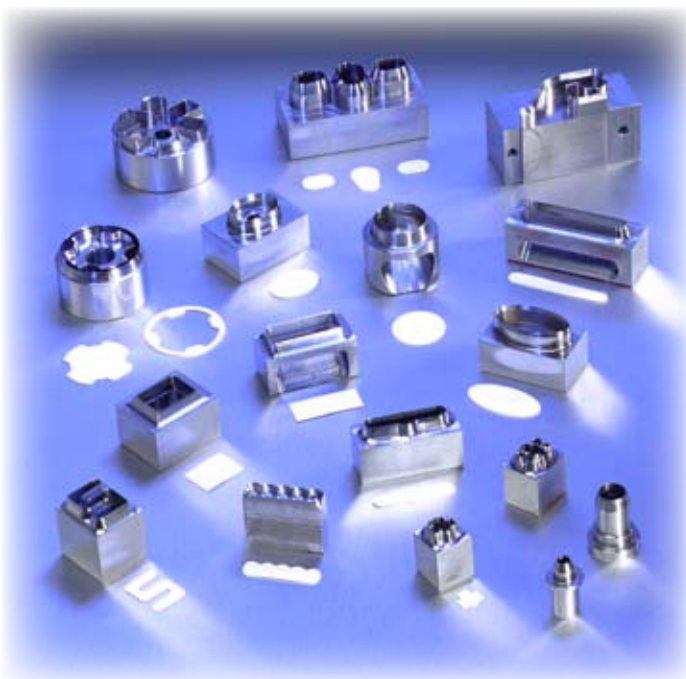
Standard height: .937, round base, center bevel, 5/16 shoulder for 5/8 die board.



Star (Cavity Style)

Base Size	Cut Edge	Stock #	Base Size	Cut Edge	Stock #
1/4	1/8	KSCS-0816	1/2	3/8	KSCS-2432
5/16	3/16	KSCS-1220	9/16	7/16	KSCS-2836
3/8	1/4	KSCS-1624	5/8	1/2	KSCS-3240
7/16	5/16	KSCS-2028	3/4	5/8	KSCS-4048

Standard height: .937, round base, center bevel, 5/16 shoulder for 5/8 die board.



Largest inventory with over 3 million punches in stock and ready to ship!

From standard tube punches to custom punches!

Quality is unmatched in the industry!



Specialty Punches

Custom Punch



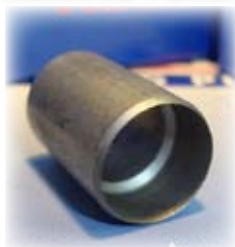
Custom punches can achieve tight corners and intricate angles that far surpass capabilities of steel rule dies. We can produce shapes with cut edges as small as .020" wide.

AmeriKen's ultra sharp cutting edges prevent angel hair and excessive diecutting dust. Precision heights do away with the hassle of press adjustments. Folding and scoring is easier.

To eliminate hand stripping, specially designed punches utilize outlet inserts for slug removal in cramped places.

Specialty punches can be engineered so they support the steel rule while cut edges are machined onto the block of steel, thus eliminating tight spots and the need for costly special bases.

Relieved Punch



Some special applications require a punch whose inside or outside bevel must be relieved.

Heavy Wall Punch



This specialty punch is the solution when a larger O.D. is necessary or a thicker tubular wall is required to make the punch stronger.

Notched Punch

This custom punch has special machined notches which allows removal of the slugs as desired.



Long Bevel Punch

Longer bevels help prevent the crushing of material, eliminating dust and contaminants, making material easier to cut.



Pointed Punch

Available with either a sharp end or a blunted end in base sizes 1/8" and 3/16" for use as a locator. Comes in standard heights. Other sizes available on request.



Washer Set



Virtually any configuration can be custom manufactured. We can test your material to determine the washer set that exactly fits your needs.

Custom Tooling

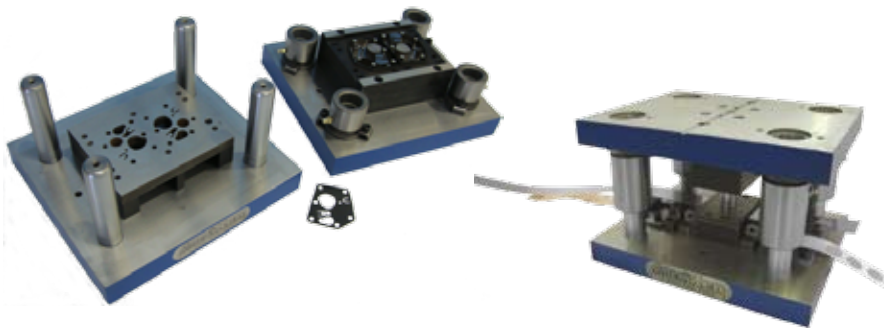
Why Does Custom Tooling from AmeriKen Stand Above the Rest?

Every job starts with the highest grade tool steel and is engineered methodically utilizing the skills and experience of our knowledgeable staff.

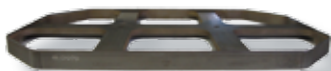
After engineering, it is then programmed and proofed using state of the art CAD software. From there the job is run on precision CNC equipment, then heat treated with our exclusive vacuum carbonitriding system.

After heat treating, the tool is ground to height with exacting precision. Every job is personally inspected with high tolerance measuring equipment prior to shipping.

Combo Dies - Seamless Rule Body Punches
Segment Dies - Positive Stripping System
Special Applications

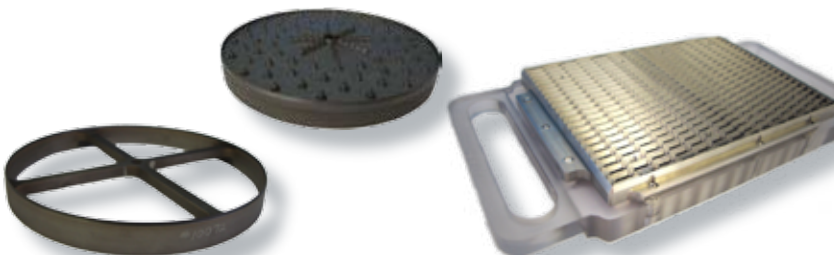
**A problem-solving innovation.**

Cut from one material and place on another in just one step with our Cut-And-Place Die.

AmeriKen's Medical Division

medical grade stainless material.

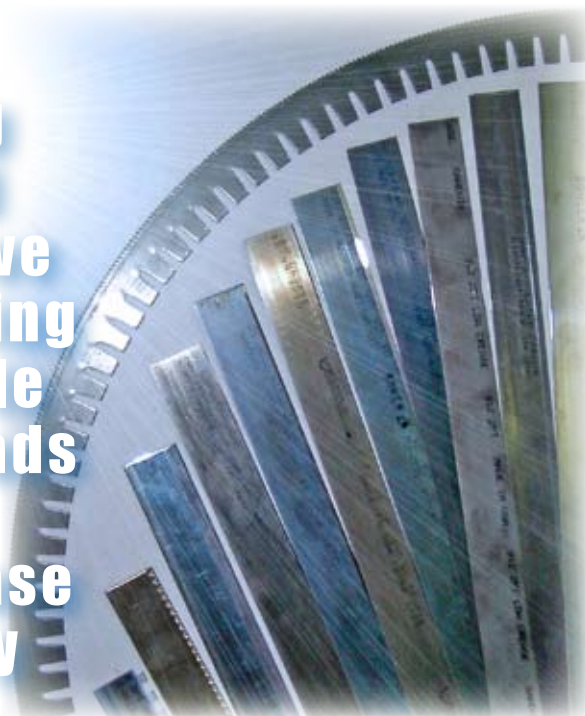
A custom medical tool from AmeriKen is more consistent, more reliable, and more repetitive than hand cutting and scalpels, increasing your profitability dramatically. Sterilization of parts is also available upon request. Contact our Medical Division personnel at customtooling@ameriken.com or call us at 800.553.6666.

**Need a Quote?**

email us at
customtooling@ameriken.com

Steel Rule

Cutting
Creasing
Serrated
Edge Wave
Perforating
Label Rule
Steel Leads
Zipper
Cut/Crease
Specialty



böhlerstrip®

helmold®

martin miller®

MAXIM
STEEL RULE

National Steel Rule

TSUKATANI

ZIMMER
INDUSTRIES, INC.

Cutting Rule

AmeriKen stocks the world's leading brands so you get immediate shipment on cutting rule of the highest quality to meet your rigid requirements for high tolerances, bending properties, and durability. The uniformity and quality of cutting rule we supply can benefit you with lower press loads, dust-free cutting and reduction of make-ready time.

Pointage	Decimal
.5	.007
1	.014
1.5	.021
2	.028
3	.042
4	.056
6	.084
8	.112

**Over 3 Million Feet of Steel Rule in stock
Sizes up to 4" high and up to 8pt thick**

AmeriKen carries the most comprehensive line of steel rule available in the industry. From flat to rotary, cutting to creasing, 1/2 pt to 8pt. When it comes to rule, no one offers a wider variety!

Center Bevel (Double Bevel)

Most popular bevel in use today for standard paperboard. It combines the greatest cutting ability and resistance to dulling and gives long life to the die.



Side Bevel (Single Bevel)

Recommended where the stock is exceptionally thick or difficult to cut. Particularly suitable for gaskets, displays, and close shapes.



Center Face Double Bevel (Double Long Bevel)

The second bevel relief reduces the cutting power required for cutting thicker, heavier materials such as leather, cork, rubber, composition materials and thick corrugated or chipboard.



Side Face Double Bevel (Long Single Bevel)

This bevel requires less pressure than standard single bevel to cut thicker, heavier materials like the center face double bevel.



Steel Rule

Standard Creasing Rule

Manufactured to exacting standards to meet the needs of today's high speed packaging equipment. We stock various edge profiles to best handle your application and supply you with the right creasing rule for less frictional resistance between board and rule, thus reducing any tendency to crack.



LaserCrease Rule

This crease rule eliminates the need to cut wider slots on lasered or jigged dies and also offers the flexibility of changing the width of the crease without re-cutting the slot. Body thickness is consistent with that of cutting rule with a wider top.



There is minimal eccentricity with smooth transition from body to creasing edge, assuring your cartons perfect shape and functionability. There are several standard sizes in stock and ready to ship.

Rotary Crease Rule

AmeriKen carries a complete line of 4, 6, and 8pt rotary creasing rule with heights from .400 to 4", curved or straight, notched or not notched.



The "laser" crease above is available in round top, square top, or Tru Fold in all rotary sizes.

Combination Rule

Combination Cut-Crease, also called Perf-Score, Cut-Score, Deep Space Perf. Available in 2, 3, and 4pt thicknesses with all tooth-space combinations from 1/16" to 1". Carefully controlled height of the cutting edge and depth of the gullet means crisp creases without fracturing.

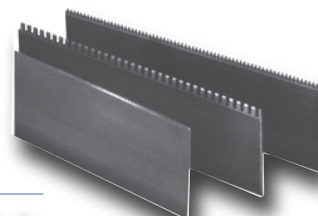
Steel Leads

.5pt available in .625 and .750
1pt available in .500, .625, and .750
1.5pt available in .625 and .750
2pt available in .500, .625, and .750
3pt available in .625 and .750
4pt available in .625 and .750
6pt available in .625 and .750

Perforating Rule

Rely on AmeriKen for perforating rule of superb quality and precision tolerances to meet the exacting needs of the converting and business forms industries. You'll find the country's largest inventory at AmeriKen, ready for immediate shipment. Many combinations of the following specifications are in stock and ready to ship:

Teeth: 1/32" to 1"
Tie: 1/32" to 1/2"
Height: 1/4" to 4"
Thickness: 2pt, 3pt, 4pt
Bevel: Center and side



Micro Perforating Rule

This unique rule eliminates folding problems of multi-part continuous forms. Gives a clean cut edge appearance on this material...assures even cut and ties regardless of penetration depth, eliminating bursting problems and thereby reducing press downtime. Many combinations are available with the following common sizes typically in stock and ready to ship:

Teeth: 30, 50, 60, 70, 72 TPI
Tie: .015 - .030
Height: .918, .937
Thickness: 2pt, 3pt
Bevel: Center and side

Rotary Perforating Rule

Tooth or space configurations from 1/8" to 1"
Heights from .875 to 1"
Curved or straight, notched or not-notched
Also available as serrated.

Zipper or Tear Edge Rule

Available in many different configurations.



Wave Rule

Available in full body or edge wave in many different configurations.



Steel Rule



Bohler TOP

Through-hardened rule. This standard cutting rule offers good bendability, body-edge hardness well balanced for cutting abrasive materials.

Bohler H 75

Through-hardened rule. A very hard rule, which is still bendable to 85 degree and offers high stability in diecutting operation. Service life is good when diecutting difficult materials.

Bohler UNIVERSAL

Edge-hardened rule. This cutting rule combines excellent bending properties of a soft body with edge-hardened tip for extended service life.

Bohler UNIVERSAL 60

Edge hardened rule. This cutting rule comes with the hardness of TOP cutting rule with induction hardened cutting edge. This results in high rule stability, reduced wear on tip and bevel as well as extended service life.

Bohler UNIVERSAL 75

Edge hardened rule. This rule offers excellent stability and wear resistance which is required when diecutting heavy materials such as gaskets, laminates, metal foils, various plastics, as well as abrasive materials.

Bohler K-BACK

(Compensation Back)
Steel rule with flat rule back generate tolerance problems when bending narrow angles due to bulging effects on rule bottom. K-Back rule minimizes this effect and reduces back deformation when bending narrow angles, even without broaching, it easily inserts into dieboard, and has a self-leveling effect as rule back flattens out under pressure.

Bohler SUPREME Dust Killer!

The cutting bevel of this rule is coated with a thin anti-friction film which fills the microscopically small pores and marks on the cutting edge and thereby adds to the smoothness of the bevel surface. Offered in UNIVERSAL and UNIVERSAL 60

Bohler TINIT (TiN) Long Life!

This rule is coated with a thin TiN layer of approx. 0.002mm on the cutting bevel only. The TiN coating hardness with 2,400 HV stands out in comparison with standard UNIVERSAL edge hardness of 640 HV (4 times harder). Bendability, body structure, cutting profile and dimensions remain unchanged and match with standard UNIVERSAL rules.

Bohler STRIPPING RULES

These are the optimum solution for ejecting the waste material after the diecutting process. Product range includes flat, flat waved, with teeth, and with teeth waved.

Generation X - the new generation of cutting rules

Label-X and Plast-X are processed on a unique proto-type grinding machine applying razor blade technology, granting a super sharp cutting edge with superfine ground bevel. These properties are important for efficient high quality diecutting of plastic materials, foil, and parts in the electronics industry.

Bohler LABEL-X

This new generation of label cutting rule is perfect for diecutting of labels due to its excellent cutting performance with superfine cutting bevel and super sharp cutting edge.

Bohler PLAST-X

This is a recent innovation to cut PET, PE, PVC, PP, blister packs and thermoplastic materials. Technology from razor blade manufacturing drastically improves diecutting performance.

Bohler X-PRESS

X-Press is a milestone innovation, helping reduce make-ready time in diecutting operations. The innovative part lies in the back of the cutting rule. The patented micro-serrated rule back design serves as pre-programmed compensation zone which leads to quick self-leveling of rules under pressure. The rule back deforms, thus reducing the wear on the rule tip which helps to keep the tip sharp and last longer.

**See our Rule Specification/Comparison Chart on pages 42-43
for complete information on all rules we carry.**

Steel Rule

**MM 44**

Through-hardened rule. A hardened and tempered overall steel rule with a shaved cutting edge, very good bendability for average production runs.

MM 47

Through-hardened rule. This rule offers the same benefits as the MM 44 with a firmer body for more stability.

HF 40

Edge-hardened rule. This is equal to the MM rule with a hardened 52 HRC edge that offers longer cutting life.

HP 34

Edge hardened rule. Virtually "Dust Free" cutting. 61 HRC edge offers outstanding wear resistance for long runs, while being extremely bendable with very high wear resistance.

G-44 HP

Edge hardened rule. More body stability with 61 HRC edge. Cuts heavy materials again and again.

HP +

Edge hardened rule. Resists extra impact. For cutting hard plastics and other difficult materials.

**Helmold Standard**

Through-hardened rule. This range of cutting rule has been proven in multitude of applications and is universally accepted in the diemaking industry. Available in nine tempers 20 (dead soft), 35, 50, 55-60, 65, 70, 75, 80, and 85 (very hard). In ground or shaved edges.

TSUKATANI

**TIGNITE S/TIGNITE HARD S**

Edge-hardened rule. Standard steel cutting rule for global markets. Designed to take into account adaption and durability for high-speed press.

TIGNITE R/TIGNITE HARD R

Edge-hardened rule. This rule is suitable to die cut laminated materials. Fine ground cutting rule is recommended when paper dust is a problem.

ISDB

Edge-hardened rule. A 2pt edge-hard rule that cuts hard plastics with a combination bevel that has all the benefits of CB, SB, and DSB. ISDB is designed to do the work of 3pt DSB with the advantages of a 2pt CB. This rule can be mitered and used on an auto bender.

TK COATING

A special coating for rule. It can solve problems such as adhesion of pastes and adhesives on blade edges during cutting. Edge tip is not coated.

LABEL

Edge hardened rule. More body stability with 61 HRC edge. Cuts heavy materials again and again.

SUPERBLADE

Edge hardened rule. Precision ground rule on a medium hard body with a soft outer layer to assure long wear and excellent bendability. This is an all-purpose rule for general die use.

J-1 SUPERBLADE

Edge hardened rule. Precision ground rule with superior bendability and

Tsukatani is distributed in the U.S. exclusively by AmeriKen

HELMEX

Through-hardened rule. This is a specially formulated steel alloyed with chrome, molybdenum, and nickel to yield an exceptionally durable cutting edge, with enough ductility to take sharp bends.

DUREDGE

Edge-hardened rule. An edge hardened rule that combines the bendability of a medium soft body with the wear resistance of a hard edge.

LAZER BLADE

Edge hardened rule. Laser hardening of fine-grained base steel using a patented process produces a unique microstructure and an ultra hard edge with significantly less anisotropy in grain size between the body and edge.

ULTRA FLEX

Through-hardened rule. Due to a unique micro structure it remains extremely ductile, allowing it to achieve very tight bends.

Steel Rule

Rotary Cutting Rule

AmeriKen carries a complete line of rotary rules. With one of the largest inventories available in the market, many items are in stock and ready to ship.

If we don't have an item in stock, most rule can be custom ordered and manufactured to your specifications.

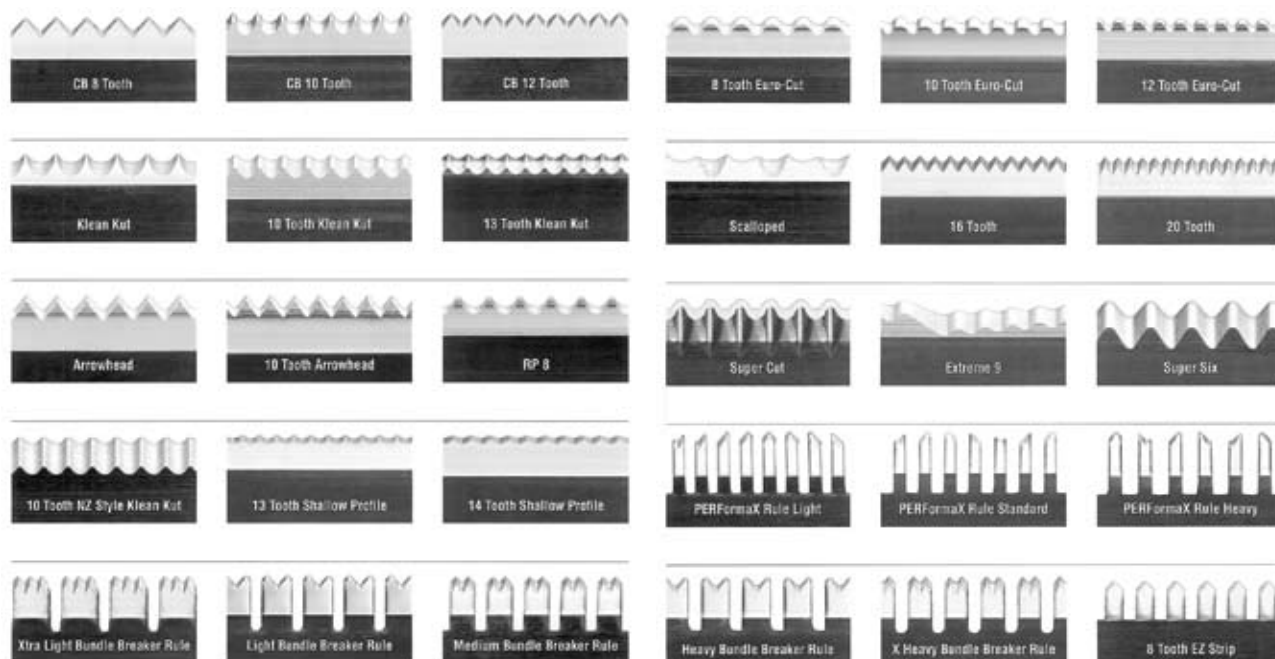
Curve	Cylinder Size (Diameter)
24/90	7
35/90	9-1/2
37.5/90	10-1/8
36/90	10-1/2
39/90	10-5/8
38/90	11
40/90	11-1/2
45/90	12-1/4
50/90	14-1/8
51/90	14-1/4
53/90	16-1/8
59/90	16-3/4
66/90	19-3/16
66/45	26-1/2
67/90	19-1/4
86/90	25-1/4
88/90	25-3/4

National Steel Rule

	E-Flute		B-Flute		C-Flute		EB D/W		BC D/W		Heavy D/W		Tri Wall		Plastic Corr	
	Across	Around	Across	Around	Across	Around	Across	Around	Across	Around	Across	Around	Across	Around	Across	Around
Super Six																
8 Tooth																
8 Tooth Arrowhead																
RP 8																
8 Tooth Euro-Cut																
8 Tooth Klean Kut																
Scalloped																
Supercut																
Extreme 9																
10 Tooth																
10 Tooth Arrowhead																
10 Tooth NZ Klean Kut																
10 Tooth Euro-Cut																
10 Tooth Klean Kut																
12 Tooth																
12 Tooth Euro-Cut																
13 Tooth Klean Kut																
16 Tooth																
20 Tooth																

Recommended Acceptable Not Recommended

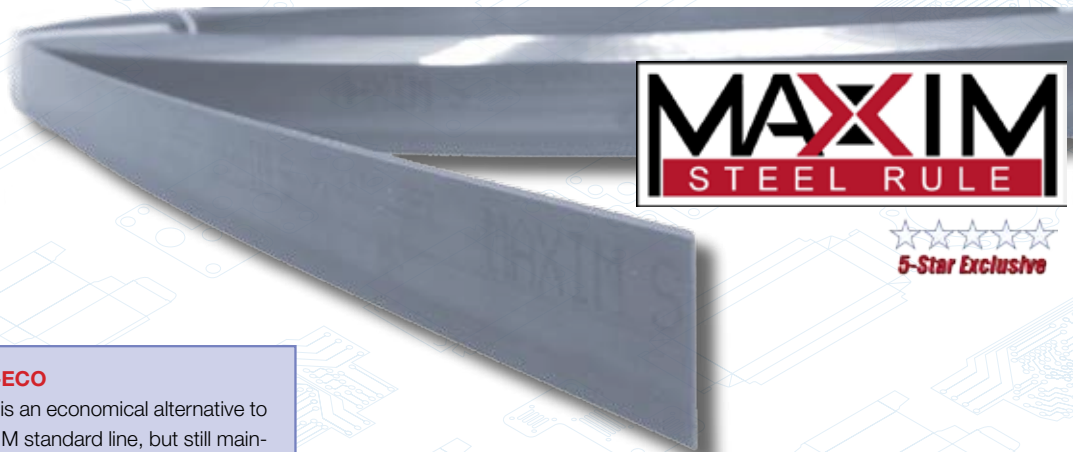
National Steel Rule manufactures variety of cutting rules for a wide variety of applications. This chart can be used as a guide to help determine what tooth configuration options are recommended (or are acceptable) for specific grades of corrugated. This chart does not take into consideration liner and medium weights.



Steel Rule

MAXIM Steel Rule

When it comes to the ultimate Bendability and Durability....MAXIM Rules!

**MAXIM-ECO**

This rule is an economical alternative to the MAXIM standard line, but still maintains a higher quality than others on the market in the price range.

MAXIM

This rule is subjected to a quenching treatment that results in a sharper edge, allows precision bendability, and generates longer, more durable runs.

MAXIM-PLUS

This rule is a ground edge line with a very sharp edge. This line works well with adhesive labels, PVC, and other products requiring a ground edge.

MAXIM-PRO

This rule has a ground edge with a yellow polish. The rule gets a high frequency quenching resulting in a very sharp edge.

All MAXIM product lines are available with:
42 and 52 degree bevels
Edge Hard or Thru-Hardened
2pt. and 3pt.
In a range of heights
CW, CCW Coils and Strips

BUY AmeriKen
844-BUY-RULE

MAXIM steel rule is engineered for the ultimate **bendability and durability** with it's unique two class body hardness. The softer Rockwell on the outer body allows precise, sharp bends, while running smoothly through automated rule processors. For the ultimate bendability....**MAXIM Rules!**

The harder Rockwell core and the sharpness of the edge allows clean cuts with less tonnage, resulting in shorter makereadies and longer die life. For the ultimate durability...**MAXIM Rules!**

MAXIM is manufactured using high quality steel and state-of-the-art technology while a quality system continually monitors precision, flatness, smoothness, and sharpness of the rule throughout the process. For the ultimate quality and consistency...**MAXIM Rules!**

The versatile diemaker has a complete range of MAXIM products on their shelves to have the flexibility for every job that comes up.

The professional diecutter understands the specific needs for each job and requests MAXIM rule in all their dies.

Contact your local AmeriKen representative for complete information about the MAXIM line of products, available exclusively from AmeriKen.

Dieboard

Flat Dieboard

AmeriKen carries a variety of flat dieboard options to suit all your toolmaking needs, from Russian Birch (with or without UV Coating) to Premium Maple.

Our five strategic locations across the U.S. provide convenient cost effective shipping.

Call your local AmeriKen representative for pricing and availability.



All dieboard meets or exceeds IADD specifications.



Rotary Dieboard

- ◆ Superior thickness and diameter tolerances
- ◆ Superior life on press
- ◆ Superior rule holding ability
- ◆ Superior reknifability
- ◆ Superior 7-ply construction

North American Premium Maple

Hard Maple - Very stable dieboard constructed of Northern Hard Maple. Great for long-running dies

Performance Beech

American Beech. Durable, stable dieboard that provides a great value to the end user.

Performance Ash

White Ash. Similar or better performance than Beech, at a lower cost.

Ejection

AmeriKen ejection materials give your dies maximum compression set and consistent ejection. See our charts on the following pages for the products that are right for your application. Of course you're also assured the largest in-stock inventory, ready for immediate shipment the very same day you order!



Superbond

Superbond Thick's delayed drying time allows precise placement of ejection. Superbond Thin's quick drying time feature is perfect when you're in a hurry!



Superbond Premium

Our premium version adheres to more rubber types with more consistent curing time. Plus, it's triple distilled for less odor.

Less Odor!

Strip E-Z

A long time favorite, providing a tight grip but can also be stripped off easily. Works well with all ejection materials.



Sure Grip

Contact cement with very strong adhesion. Works with all ejection materials.



Blast Accelerator

A mist that is sprayed onto the dieboard to clean out the pores for better adhesion.



Spray Adhesive


Permanent or temporary bond with quick tack.

Ejection

Item Number	Type, Shore Value, Sizes Available Interchangeable with brands listed
SF-100	
	Soft - Open Cell Shore "00" 55-65 Shore "A" 10-20 1/4, 3/8, 1/2, 3/4, 1 AK-4, ADS-7120, Diansupply 6320, Kodiak KO-4, Monroe 15700,
MD-100	
	Medium - Open Cell Shore "00" 60-70 Shore "A" 10-20 1/16, 1/8, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8 AK-65, ADS 6000 Diansupply B65, Kodiak KO-2B, Monroe MR1100
MD-110	
	Medium - Open Cell Shore "00" 75-85 Shore "A" 15-25 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 1 AK-3, Diansupply 6220, Kodiak KO-3, Monroe 02700
MD-120	
	Medium - Open Cell Shore "00" 60-70 Shore "A" 10-20 3/8, 7/16, 1/2, 9/16, 5/8 AK-70, Diansupply F70, Kodiak KO-11
MD-130	
	Medium - Open Cell Shore "00" 60-70 Shore "A" 10-20 1/4, 3/8, 1/2 AK-19, ADS 7500, Kodiak KO-19
MD-140	
	Medium - Closed Cell Shore "00" 65-75 Shore "A" 15-25 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1", AK-257, ADS R497T, Diansupply G257, Kodiak KO-15, Monroe 22X00
FR-100	
	Firm - Open Cell Shore "00" 65-75 Shore "A" 15-25 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8 AK-10, ADS-7185, Diansupply 6118, Kodiak KO-10, Monroe 06500
FR-110	
	Firm - Open Cell Shore "00" 65-75 Shore "A" 15-25 3/8 AK-30, Diansupply Magma72, Kodiak KO-30

Item Number	Type, Shore Value, Sizes Available Interchangeable with brands listed
XF-100	
	Extra Firm - Open Cell Shore "00" 70-80 Shore "A" 20-30 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 7mm AK-1, ADS-7179, Diansupply 6110, Kodiak KO-1, Monroe 03500
XF-110	
	Extra Firm - Open Cell Shore "00" 80-90 Shore "A" 30-40 1/4, 3/8, 7/16, 1/2, 9/16, 5/8 AK-2, ADS-5140, Diansupply 61X, Kodiak KO-2G, Monroe 14300
XF-120	
	Extra Firm - Open Cell Shore "00" 80-90 Shore "A" 30-40 1/4, 5/16, 3/8 AK-75, ADS-8300, Diansupply T75 Kodiak KO-18, Monroe MR-75,
CK-100	
	100% Cork Shore "00" N/A Shore "A" N/A 1/4, 5/16, 3/8 AK-8, Kodiak KO-8
CK-110	
	Medium Cork & Rubber Shore "00" 80-90 Shore "A" 40-50 1/4, 11/32, 3/8 AK-14, ADS-RK374, Kodiak KO-09
CK-120	
	Extra Firm Cork & rubber Shore "00" 90-100 Shore "A" 50-60 1/16, 1/8, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 1/2, AK-9, ADS-RS-80, Diansupply Cork, Kodiak KO-14, Monroe 13500
FM-100	
	Foam Shore "00" N/A Shore "A" N/A Grey, White, Black, Yellow, Blue AK-7, ADS-F1000, Diansupply Soft Foam, Kodiak KO-7, Monroe 07100
GM-100	
	Gum Rubber Straight or Scallop Shore "00" 80-90 Shore "A" 35-45 1/32, 1/16, 3/32, 1/8, 5/32, 3/16, 1/4 AK-6, ADS RG-40, Kodiak KO-6,

Ejection

Item Number	Type, Shore Value, Sizes Available Interchangeable with brands listed
CR-120	
	Crease Rubber Shore "00" N/A Shore "A" 60-65 .175, .200, .225, .250, .300, .315, .325, .355, .375, .395 National Kushion Crease, Bobst Flexi-Crease, Shreiner Cushion Crease
CR-130	
	Crease Rubber Two sizes, one for single wall corrugated and one for double wall corrugated Shreiner Tri-Glide
SR-100	
	Slot Rubber Shore "00" 85-95 Shore "A" 40-50 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8 AK-20T, Diansuply Dura-Bull, Kodiak KO-20T, National Dura-Strip
SR-110	
	Slot Rubber Shore "00" N/A Shore "A" 83-93 .020, 1/32, 1/16 AK-22, Kodiak KO-22
SR-140	
	Slot Rubber Shore "00" N/A Shore "A" 50-55 3/8, 1/2 Shreiner Power Trap for Slots
SR-150	
	Slot Rubber 1/2, 9/16, 5/8, 3/4 Available in multiple durometers Shreiner Roto-Slot


Item Number	Type, Shore Value, Sizes Available Interchangeable with brands listed
PR-110	
	D Profile Rubber Shore "A" 45-50 Shore "A" 60-65 5.0, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0 mm Available in multiple durometers Bobst, Shreiner
PR-120	
	C Profile Rubber Shore "A" 60 5.0, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0 mm Also available in soft or narrow. Bobst, Shreiner
PR-130	
	G Profile Rubber 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 10.0, 10.5, 11.0 mm Bobst
PR-140	
	Slot Profile Rubber Shore "A" 55-60 7 x 1, 7 x 2, 7 x 3, 7 x 4, 7 x 5, 10 x 1, 10 x 2, 10 x 3, 10 x 4, 10 x 5 mm (H x W) Bobst Slot, Shreiner Concave
PR-150	
	T Profile Rubber for Slots Shore "A" 60-65 Shore "A" 60 1/4, 3/8, 8.0 mm Shreiner
PR-170	
	Sprint Rubba Profile Rubber 7.0, 7.25, 8.0, 9.0, 9.5 mm Bobst Rubba, Shreiner White Lightning

Our ejection materials are available in strips, sheets, or blocks. They also come with or without PSA (pressure sensitive adhesive.)

Ejection

Item Number	Type, Shore Value, Sizes Available Interchangeable with brands listed
SP-100	
	Black 40 1/4, 3/8, 7/16, 1/2, 5/8, 3/4 Black 40 Shore "A" 25
SP-110	
	Black 50 1/4, 3/8, 7/16, 1/2, 5/8, 3/4 Black 50 Shore "A" 42
SP-120	
	1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8 Diansuply GN 88, Kodiak Green Grizzly, Monroe Green G-rilla, Shore "00" 40-55 Shore "A" 83-90
SP-130	
	1/8, 3/16, 1/4, .28, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8 Diansuply RO 73, Kodiak KO Red Grizzly, Monroe Red Rhino Shore "00" 62-80 Shore "A" 15-35
SP-160	
	Power Trap 3/8 Available in multiple durometers Shreiner
SP-170	
	Power Trap Chevron Corners 3/8 Available in multiple durometers Shreiner

Item Number	Type, Shore Value, Sizes Available Interchangeable with brands listed
PH-100	
	Punch Ejector For base sizes 1/4 to 1-1/2. Also available pre-inserted in punches. Bobst, Shreiner
HH-100	
	Hanger Hole Ejectors Available in a variety of shapes and sizes.

Special Cuts Available	
SC-100	SC-110
Trapezoid 	Maxpoint 
SC-120	SC-130
Ejectoflex 	Sidewave 
SC-140	SC-150
Groovy G'rilla 	Tapered Slot from 1/4 to 3/4 

Many of our ejection materials are available in the special cuts shown above. Ask about the benefits of these special cuts when placing your next order.



Email sales@ameriken.com to get a copy of our Ejection Sample Book.

Miscellaneous

Mallets

Rawhide - Low cost! The tool of choice for years before synthetics developed.

Elastomer - Reversible head provides a fresh striking surface, more even wear, and twice the life of other mallets.

Type	Size	Head Dia.	Head Length	Weight
Rawhide	0	1	2	2 oz
Rawhide	1	1-1/4	2-1/2	4 oz
Rawhide	2	1-1/2	3	6 oz
Rawhide	3	1-3/4	3-3/8	9 oz
Rawhide	4	2	3-1/2	11 oz
Rawhide	5	2-3/4	4-1/4	22 oz
Rawhide	6	2-3/4	4-3/4	24 oz
Loaded Rawhide	7	1-1/4	2-1/2	8 oz
Loaded Rawhide	8	1-1/2	3	12 oz
Loaded Rawhide	9	1-3/4	3-3/8	16 oz
Loaded Rawhide	10	2	3-1/2	20 oz
Loaded Rawhide	11	2-3/4	4-1/4	40 oz
Elastomer	#2	1-1/2	3	6 oz
Elastomer	#4	2	3-1/2	11 oz
Elastomer	#4L	2	5	14 oz
Elastomer	#5	2-3/4	4-1/4	22 oz
Elastomer	#6	2-3/4	4-3/4	24 oz
Poly Urethane	#3	1-1/2	3-7/8	8 oz
Poly Urethane	#4	2	4	12 oz
Poly Urethane	#4L	2	5	15 oz
Poly Urethane	#5	2-3/4	5	24 oz



Outstanding dead blow characteristic minimizes spring back. Elastomer minimizes flaking onto dies. Cast without air bubbles to insure longer life and greater strength.

Poly Urethane - Has the same qualities as the Elastomer but has a tendency not to stick to the rule as much and has less of a spring back.

Diemaker's Hammer

Produced from cast aluminum and impact coated with a non-slip grip and comes with three individual heads. 1-1/4" x 1-1/4", gives plenty of knuckle clearance; the tapered rear head is 3/4" x 1-1/4", for inserting small knives and punches; and the unique bottom head is 1" x 1-1/4" for rule setting. All are made of space-aged cast urethane and are easily replaced.



Micrometer Adapter

Measuring rule and punch heights has never been easier. The V-Groove in the center holds the punch perpendicular to the face of the barrels. The punch can be rotated for multiple measurements.

Can be used on strips and coils and can easily slide along the rule, allowing for multiple measurements. Designed for rule and punches 1" or less.



Rule Setter

The rule setter ensures your rule is inserted undamaged, perfectly seated and level with every other rule in the dieboard.



Rule Tweaker

The Rule Tweaker's interchangeable handle can be used with any of the four available heads. 1/2", 1", 3-1/2", and 6" heads are available in 2pt, 3pt, and 4pt configurations.



3-1/2" and 6" heads sold separately.

Miscellaneous

Hand Rule Cutters

Hand rule cutter is designed to cut 2 and 3pt rule. Also works well when cutting coils or as a universal cutter when away from the bench.



Accu-Sharp Rule Sharpener

The world's fastest rule sharpener.



Replacement Blades and Scissor Sharpener also available!

Corrugated Fasteners

Available in 3/8", 1/2" and 5/8"



Ring Knives



Sizes 4, 5, 6, 7, 8, 9, 10, 11, 12

Pinch Dogs

Used to hold rotary dieboards 2" long.



Misc. Ruling Tools



AmeriKen carries a large variety of miscellaneous ruling tools, including micrometers and pocket scribes.

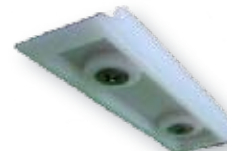
Saw Blades

Carbide tip saw blades
Regular circle saw blades



Kori Clamp

The Kori Clamps attach to the wooden support rails on the underside of the female stripping tool. Works with the front centerline notch in the female board and the machine support frame to position and lock the tool in perfect alignment for diecut sheet registration.



Jig Saw Blades



Various sizes and configurations available, please call your local AmeriKen Representative for availability.

Rule Pullers

Use these standard mechanic's tools for pulling rule from dieboards at a fraction of the cost of "expensive" types. A large selection of sizes available.



Mechanical Rule Puller Extractor 2000

Extractor 2000 pulls rule straight up, saving kerf and minimizing wear and tear on dieboards. Smooth lever action generates up to 600 lbs of pulling power.



Mechanical Rule Puller Extractor 3000

With the same versatile features as the 2000, the Extractor 3000 takes pulling rule one step further with the added convenience of smooth, adjustable pneumatic power.



Miscellaneous

Metal Perf-A-Type

Used extensively for coding corrugated containers. Available in alphabet letters, numbers 0-9, and punctuation symbols, as well as "recycled" logo. Sharp pronged metal characters are 3/4" high on one inch adhesive-backed bases for easy attachment to flat or rotary dies. Also available without adhesive. Conveniently predrilled holes accommodate nails when necessary.

**Glue Assist Perf-A-Type**

Glue assist is the perfect solution for perfling carton flaps to allow maxim hold in the gluing process. Available only at AmeriKen.



Mini Metal Perf, The smaller 1/2" high version of the metal perf-a-type is available in the same characters.

Metal Perf-A-Type Holder

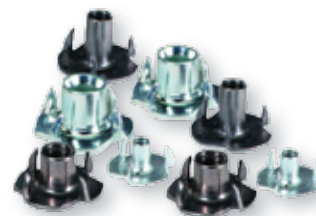
Sturdy plastic holders allow easier placement and positioning. Options available for 1/2" and 5/8" dieboard in standard and mini perf sizes.

**QuikLok Perf**

With QuikLok Perf, installing perf has never been easier. Simply slide one QuikLok Perf in the track and screw it in. Next slide your letter or number perf-a-types in the track. Slide in the second QuikLok, pushing all the perf-a-type snugly together, and screw it in place.

T-Nut Fasteners and Bolts

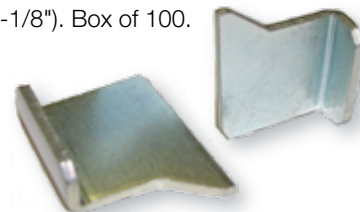
Round base - 3 straight prongs. Available in a large selection of decimal and metric sizes.

**Die Bolts (Hex Head)**

Two sizes:
1/4" - 20 x 1"
5/16" - 18 x 1"
Box of 100.

**Lead Edge Guards**

Available in standard size or jumbo (for rule over 1-1/8"). Box of 100.

**The H7 Rule Support System**

With the H7 rule support system you can quickly and easily repair bent lead edge knives, slots, or any rule on a dieboard before, during, or after presstime.

In 4 easy steps, you'll be back up and running. 1. Straighten the damaged rule back to its original position. 2. Using the H7 specially designed tool create the slot for the H7 support. 3. Install the support. 4. Finally install any connecting rule you removed, and you're ready to go.



Works well on both flat and rotary dieboards!



Go from this...



To this...



In 4 Easy Steps

Miscellaneous

Hamada & EVOL Hardware

AmeriKen carries a complete line of Hamada and EVOL parts for rotary mechanical stripping. See our Gatehole Punches on page 10.



Mylar Film

Available in matte frost on one side, both sides, or clear.

Thickness: .003, .004, .005

Width: 36", 42", 48", 54", 60"

Roll Sizes 20, 50, 100 yds

Also available in sheets.



Plotter Pens

Call for availability.

Spur Bits

Available individually or in 4 and 7-Piece Boxed Sets. 3-1/2" long bits, can be used with any portable or stationary drill with 3/8" or 5/16" chuck capacity.

Diameters from 3/16" to 2", in 1/16" increments, are in stock and ready for immediate shipment. Larger size diameters are also available.



4-Piece Set comes with 5/8", 3/4", 7/8", and 1" diameter bits.

7-Piece Set comes with 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", and 1" diameter bits.

Visit our clearance section at ameriken.com

Die Supplies Up to 50% Off

Visit our website, join our eClub, and browse through our Clearance section where you'll find die supplies reduced by up to 50%. And, as an eClub member, you'll be notified each time we add items to the clearance section, allowing you the first opportunity to grab up those great deals.

Take a look at the items available in our clearance section today. Simply go to ameriken.com, register for the e-Club and see what supplies you can get at substantial savings. In addition, as an e-club member you'll be notified everytime we add additional items to the clearance section. It's simple, it's free, and you have nothing to lose!

All at reduced prices! Only while supplies last!



Join our e-Club today!
sign up at
ameriken.com



**Diecutting Punches
Steel Rule
Creasing Matrix
Ejection Materials
Dieboard
Diemaking Equipment**

Miscellaneous

Spring Type Pins

Fits standard size holes, just drill and drive for installing. Round edges along slot prevent scored holes. The spring action of the pin functions as a self-locking mechanism. Reusable, lightweight, yet strong. Chamfered ends insert easily.



Available in 5 diameters: 3/32", 1/8", 3/16", 1/4" & 3/8", all 2" long. (Other lengths available on request.)

Retractable Pins

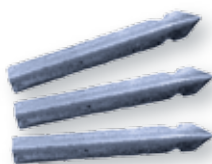
An invaluable aid in locating and registering elements of the die. Retractable pins are steel in barrels of aluminum. #P-103 has a brass barrel.



Stock #	Pin Diameter	Retractable Pin (travel)	Barrel Size dia. x length
P-100	1/8	1/4	1/4 x 5/8
P-102	1/8	1/2	1/4 x 3/4
P-101	1/8	9/16	1/4 x 1
P-104	1/8	13/16	1/4 x 1-1/4
P-101A	5/32	9/16	1/4 x 1
P-132	1/4	7/16	11/32 x 3/4
P-103	1/8	9/16	3/16 x 1-1/32

Star Nails

Size: 1/4" x 2" long
1,000 per box.



Precision Registration Pins

Material slides over radius corners much easier than typical chamfered tops. High tolerance pins provide accurate locating.



Size	Pin	Body
Size 1	1/8	1/4
Size 2	5/32	1/4
Size 3	3/16	5/16
Size 4	1/4	3/8

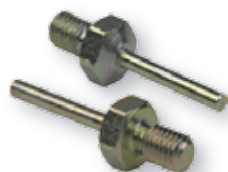


Stripping Pins

Available in Flat, Pointed, and Crown pins. 2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm and 10mm diameter sizes available.



Threaded stripping pins. 2mm, 3mm, 5mm and 10mm. 100 per box.



Easily identify correct pin with our unique marking system.

Kevlar and Leather Gloves

Kevlar gloves, available in open fingertip or closed finger style. The PVC dots add extra non-slip gripping power. Made from Dupont Kevlar fibers similar to bulletproof vest material. These gloves are lightweight, comfortable and provide excellent cut prevention.



Heavy-Duty Leather Bundling Gloves available in right or left hand.



Creasing Supplies

Metal Base Matrix

Metal based matrix was the original style matrix and considered the standard. Its metal base provides an exceptional bond between the base and shoulders for added security. The self locating matrix is extremely durable and accurate.

AmeriKen carries **Ken-Score**, **Shreiner Metal**, and **Bobst Metrix** metal based matrix.

Note: Due to the steel base on all metal matrix, deduct .010 from normal creasing rule height when using a metal base line.

SPECIFICATION AND ORDER GUIDE

To ensure the correct matrix specification is ordered, use the following formula to determine approximate channel width required.

$$\left(\text{Board Thickness} \times 2 \right) + \text{Creasing Rule Thickness} = \text{Channel Width}$$

Example:

Using a .012" caliper board and 2pt (.028") creasing rule.

$$.012 \times 2 (.024) + .028 = .052"$$

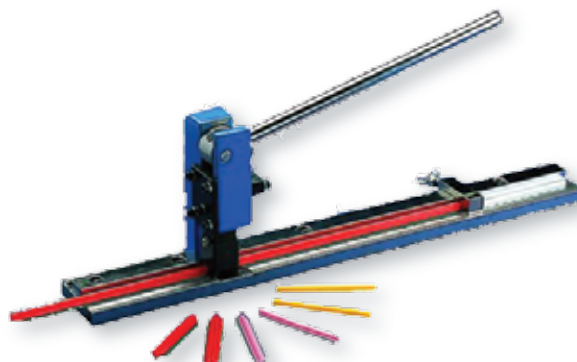
Creasing Rule Height

Due to its steel base, deduct .010" from normal ceasing rule height when using a metal based matrix.

Item	Width	For Boards
#22 Gold	0.38 x 0.56	.006 & under
#32 Orange	0.38 x 0.80	.006 & under
#40 Buff	0.38 x 1.00	.006 - .010
#50 Cloud	0.38 x 1.30	.006 - .016
#50 White	0.43 x 1.50	.010 - .016
#60 Lime	0.43 x 1.50	.010 - .016
#60 Yellow	0.48 x 1.50	.015 - .020
#67 Violet	0.48 x 1.70	.015 - .017
#67 Mauve	0.53 x 1.70	.020 - .024
#75 Olive	0.53 x 1.90	.020 - .024
#75 Green	0.58 x 1.90	.020 - .024
#83 Pink	0.58 x 2.10	.024 - .028
#83 Maroon	0.63 x 2.10	.028 - .032
#90 Red	0.68 x 2.30	.032 - .036
#105 Blue	0.79 x 2.70	.036 - .040
#120 Brown 3-4pt	1.00 x 3.00	.040 - .048
#120 Brown 4-6pt	1.00 x 3.00	.040 - .048
#150 Grey 3-4pt	1.30 x 3.80	.048 - .056
#150 Grey 4-6pt	1.30 x 3.80	.048 - .056
#150 Grey 6-8pt	1.30 x 3.80	.048 - .056
#200 Black 3-4pt	1.60 x 5.00	.056 - .064
#200 Black 4-6pt	1.60 x 5.00	.056 - .064
#200 Black 6-8pt	1.60 x 5.00	.056 - .064
#250 Cream 3-4pt	2.00 x 6.30	.064 x .072
#250 Cream 4-6pt	2.00 x 6.30	.064 x .072
#250 Cream 4-6pt	2.00 x 6.30	.064 x .072

Creasing Matrix Tools

Matrix bench presses, miter pliers, and matrix cutters from AmeriKen are an essential part of your creasing tools supplies kit. Blades and anvils are also available.



Creasing Supplies

Ken-Score

The original metal based creasing matrix

Center Crease

Item	Width	Ft/ box	For Boards
#24 Black	.024	81	.006 & under
#32 Orange	.032	81	.006 & under
#40 Buff	.040	81	.006 - .010
#50 White	.050	81	.010 - .015
#60 Yellow	.060	81	.015 - .020
#67 Violet	.067	81	.015 - .017
#75 Green	.075	81	.020 - .023
#83 Rose	.083	81	.023 - .026
#90 Red	.090	81	.025 - .035
#105 Blue	.105	81	.030 - .040
#120 Brown	.120	81	.032 - .040
#150 Grey 3-4pt	.150 3-4pt locator	44	.033 - .050 & B-Flute
#150 Grey 4-6pt	.150 4-6pt locator	44	.033 - .050 & C-Flute
#150 Grey 8pt	.150 8pt locator	44	.033 - .050 & C-Flute
#200 Black 3-4pt	.200 3-4pt locator	44	.050 - .070 & A-Flute
#200 Black 4-6pt	.200 4-6pt locator	44	.050 - .070 & A-Flute
#250 Cream 3-4pt	.250 3-4pt locator	44	.060 & up and D.W.
#250 Cream 4-6pt	.250 4-6pt locator	44	.060 & up and D.W.

Off Center Crease

Item	Width	Ft/ box	For Boards
#40-OC Buff	.040	81	.006 - .010
#50-OC White	.050	81	.010 - .015
#60-OC Yellow	.060	81	.015 - .020

Double Crease

Item	Width	Ft/ box	For Boards
#50-D1/8 White	.050	44	.010 - .015
#50-D3/16 White	.050	44	.010 - .015
#50-D1/4 White	.050	44	.010 - .015
#60-D1/4 Yellow	.060	44	.015 - .020

Reverse Crease

Item	Width	Ft/ box	For Boards
#2pt Green	reverse .075	98	Lightweight
#3pt Blue	reverse .105	98	Md Wt & E-Flute
#4pt Brown	reverse .120	98	Md Wt, B&C flute
#4pt Brown	reverse .200	44	Hv Wt, B&C flute
#6pt Black	reverse .200	44	Hv Wt & A-Flute
#6pt Black	reverse .250	44	Hv Wt & A-Flute

Always double check calculations before ordering. Real-world application can vary because of factors including relative humidity, temperature, and board condition.

All products, where applicable, have beveled edges as standard and feature an accurate channel section, manufactured to exacting tolerances from an advanced thermo-plastic polymer.

The double sided adhesive system offers exceptional initial tack and ultra-high shear strength suitable for production runs of any length.

The adhesive-free bonding between matrix and locator means no sticky residue on the matrix surface. When the matrix is removed at the end of the run, it lifts away cleanly without any residue on the platen.

The range features many different products and sizes, all supplied with a universal locator, which fits easily and positively onto several different rule sizes, eliminating the need to carry excess inventory. See charts for types and sizes available.

Now with Finger-Lift!

The finger-lift tape liner allows quick removal, saving time and money.

Creasing Supplies

Plastic and Pressboard Matrix Chart

Stock #	Channel d x w	Rule pt.	Board Size	Stock #	Channel d x w	Rule pt.	Board Size	Stock #	Channel d x w	Rule pt.	Board Size	Stock #	Channel d x w	Rule pt.	Board Size
0306	0.3 x 0.6	2/3	.006	0523	0.5 x 2.3	2/3		6530	.65 x 3.0	2/3		0870	0.8 x 7.0	4/6	
0308	0.3 x 0.8	2/3		5508	.55 x 0.8	2/3	.022	6532	.65 x 3.2	3/4		0880	0.8 x 8.0	4/6	
0310	0.3 x 1.0	2/3		5510	.55 x 0.8	2/3	.021	6535	.65 x 3.5	3/4		1023	1.0 x 2.3	2/3	.035
0311	0.3 x 1.1	2/3		5512	.55 x 1.2	2/3		6540	.65 x 4.0	3/4		1025	1.0 x 2.5	2/3	
0312	0.3 x 1.2	2/3		5513	.55 x 1.3	2/3		6545	.65 x 4.5	3/4		1027	1.0 x 2.7	2/3	
0313	0.3 x 1.3	2/3		5514	.55 x 1.4	2/3		6550	.65 x 5.0	4/6		1030	1.0 x 3.0	2/3	
0314	0.3 x 1.4	2/3		5515	.55 x 1.5	2/3		6560	.65 x 6.0	4/6		1032	1.0 x 3.2	3/4	
0315	0.3 x 1.5	2/3		5516	.55 x 1.6	2/3		6570	.65 x 7.0	4/6	↓	1035	1.0 x 3.5	3/4	
0316	0.3 x 1.6	2/3		5517	.55 x 1.7	2/3		6580	.65 x 8.0	4/6	.027	1040	1.0 x 4.0	4/6	
0317	0.3 x 1.7	2/3	↓	5519	.55 x 1.9	2/3		0713	0.7 x 1.3	2/3	.025	1045	1.0 x 4.5	4/6	
0319	0.3 x 1.9	2/3	.014	5521	.55 x 2.1	2/3	↓	0714	0.7 x 1.4	2/3		1050	1.0 x 5.0	4/6	
0406	0.4 x 0.6	2/3		5523	.55 x 2.3	2/3	.024	0715	0.7 x 1.5	2/3		1060	1.0 x 6.0	4/6	
0408	0.4 x 0.8	2/3		0610	0.6 x 1.0	2/3	.023	0716	0.7 x 1.6	2/3		1070	1.0 x 7.0	4/6	
0410	0.4 x 1.0	2/3		0611	0.6 x 1.1	2/3		0717	0.7 x 1.7	2/3		1080	1.0 x 8.0	4/6	↓
0411	0.4 x 1.1	2/3		0612	0.6 x 1.2	2/3		0719	0.7 x 1.9	2/3		1230	1.2 x 3.0	3/4	.041
0412	0.4 x 1.2	2/3		0613	0.6 x 1.3	2/3		0721	0.7 x 2.1	2/3		1232	1.2 x 3.2	3/4	
0413	0.4 x 1.3	2/3		0614	0.6 x 1.4	2/3		0723	0.7 x 2.3	2/3		1235	1.2 x 3.5	3/4	
0414	0.4 x 1.4	2/3		0615	0.6 x 1.5	2/3		0725	0.7 x 2.5	2/3		1240	1.2 x 4.0	4/6	
0415	0.4 x 1.5	2/3		0616	0.6 x 1.6	2/3		0727	0.7 x 2.7	2/3		1245	1.2 x 4.5	4/6	
0416	0.4 x 1.6	2/3		0617	0.6 x 1.7	2/3		0730	0.7 x 3.0	2/3		1250	1.2 x 5.0	4/6	
0417	0.4 x 1.7	2/3	↓	0619	0.6 x 1.9	2/3		0732	0.7 x 3.2	3/4		1260	1.2 x 6.0	4/6	
0419	0.4 x 1.9	2/3	.018	0621	0.6 x 2.1	2/3		0735	0.7 x 3.5	3/4		1270	1.2 x 7.0	4/6	
4508	.45 x 0.8	2/3	.017	0623	0.6 x 2.3	2/3		0740	0.7 x 4.0	3/4		1280	1.2 x 8.0	4/6	↓
4510	.45 x 1.0	2/3		0625	0.6 x 2.5	2/3		0745	0.7 x 4.5	3/4		1430	1.4 x 3.0	3/4	.051
4511	.45 x 1.1	2/3		0627	0.6 x 2.7	2/3		0750	0.7 x 5.0	4/6		1432	1.4 x 3.2	3/4	
4512	.45 x 1.2	2/3		0630	0.6 x 3.0	2/3		0760	0.7 x 6.0	4/6		1435	1.4 x 3.5	3/4	
4513	.45 x 1.3	2/3		0632	0.6 x 3.2	3/4		0770	0.7 x 7.0	4/6	↓	1440	1.4 x 4.0	4/6	
4514	.45 x 1.4	2/3		0635	0.6 x 3.5	3/4		0780	0.7 x 8.0	4/6	.030	1445	1.4 x 4.5	4/6	
4515	.45 x 1.5	2/3		0640	0.6 x 4.0	3/4		0815	0.8 x 1.5	2/3		1450	1.4 x 5.0	4/6	
4516	.45 x 1.6	2/3		0650	0.6 x 5.0	4/6		0816	0.8 x 1.6	2/3		1460	1.4 x 6.0	4/6	
4517	.45 x 1.7	2/3	↓	0660	0.6 x 6.0	4/6		0817	0.8 x 1.7	2/3		1470	1.4 x 7.0	4/6	
4519	.45 x 1.9	2/3	.020	0670	0.6 x 7.0	4/6	↓	0819	0.8 x 1.9	2/3		1480	1.4 x 8.0	4/6	↓
0508	0.5 x 0.8	2/3	.019	0680	0.6 x 8.0	4/6	.026	0821	0.8 x 2.1	2/3		1630	1.6 x 3.0	3/4	.059
0510	0.5 x 1.0	2/3		6513	.65 x 1.3	2/3	.025	0823	0.8 x 2.3	2/3		1632	1.6 x 3.2	3/4	
0511	0.5 x 1.1	2/3		6514	.65 x 1.4	2/3		0825	0.8 x 2.5	2/3		1635	1.6 x 3.5	3/4	
0512	0.5 x 1.2	2/3		6515	.65 x 1.5	2/3		0827	0.8 x 2.7	2/3		1640	1.6 x 4.0	4/6	
0513	0.5 x 1.3	2/3		6516	.65 x 1.6	2/3		0830	0.8 x 3.0	2/3		1645	1.6 x 4.5	4/6	
0514	0.5 x 1.4	2/3		6517	.65 x 1.7	2/3		0832	0.8 x 3.2	3/4		1650	1.6 x 5.0	4/6	
0515	0.5 x 1.5	2/3		6519	.65 x 1.9	2/3		0835	0.8 x 3.5	3/4		1660	1.6 x 6.0	4/6	
0516	0.5 x 1.6	2/3		6521	.65 x 2.1	2/3		0840	0.8 x 4.0	4/6		1670	1.6 x 7.0	4/6	↓
0517	0.5 x 1.7	2/3		6523	.65 x 2.3	2/3		0845	0.8 x 4.5	4/6		1680	1.6 x 8.0	4/6	.067
0519	0.5 x 1.9	2/3		6525	.65 x 2.5	2/3		0850	0.8 x 5.0	4/6					
0521	0.5 x 2.1	2/3	↓	6527	.65 x 2.7	2/3	↓	0860	0.8 x 6.0	4/6	↓				

Call your local AmeriKen representative for
recommendations on the products best suited for your
specific application.

Creasing Supplies

Pressboard Base Matrix

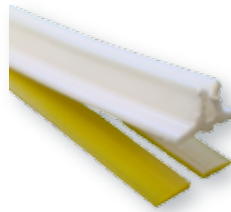


AmeriKen carries **Bobst Fibrix**, **Bobst PINK (fibrous matrix)**, **Shreiner Pressboard**, and **Pentra** in a pressboard base matrix. Combining a pressboard channel with a plastic base, it's easily skived for relief in trouble spots. The wide base ensures proper locating, ensuring a perfect registration every time.

Many sizes are available in Off Center and Internal Chamfer (IC).

Pressboard is also available in U-Bend, intended for the depths and widths combinations for E, B, and C flutes. They have a specially designed locating system made to fit around the two crease rules, allowing perfect registration from die to plate.

Plastic Base Matrix



AmeriKen carries **ProCrease**, **Bobst Syntrix** and **Shreiner Profile** in a plastic base matrix. The durable plastic channel holds up well against abrasive materials. Low profile for faster running speeds with a low price for the most cost-effective matrix choice.

Many sizes are available in Off Center and Internal Chamfer (IC). IC has a more rounded internal profile, allowing the board to take a slightly less traumatic route when the creasing rule forces it into the matrix.

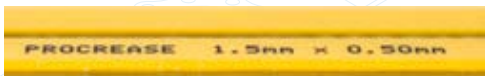
Call your local AmeriKen Representative for details and availability.

ProCrease

The new quality plastic creasing matrix

ProCrease is manufactured using state of the art, laser-controlled technology, utilizing materials that create a creasing matrix with excellent impact strength for longer life.

Engineered shoulders for faster, smoother substrate throughput. Shoulders perfectly bonded to ultra-thin plastic base.



Patented adhesive-free locator bonding leaves no sticky residue. And the new locator design rests within the channel for perfect alignment along the whole length.

Color coded, by channel height, both locator and matrix is printed with product dimensions.



Now with Finger-Lift!



Creasing Supplies

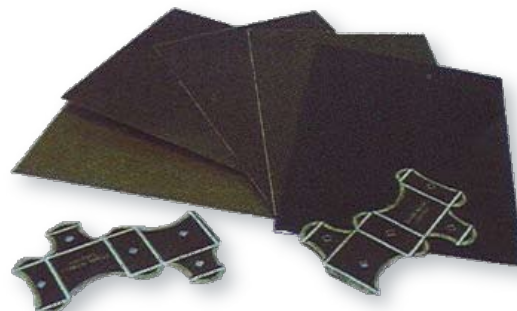
Phenolic Counter Material

A high strength laminate based on fine woven glass fabric, reinforced surface layers, and a kraft paper reinforced phenolic core. The fiberglass reinforced surface ensures high wear resistance.

Available in flexible and rigid materials, designed specifically to meet the exacting requirements of the diemaking industry.

Thickness Range (mm):

0.40	0.45
0.50	0.55
0.60	0.650
0.700	0.750
0.800	0.850
0.900	0.95
1.00	1.10



Standard sheet size available is 1070mm x 1050mm and with or without PSA.

Approved by NSAI to I.S. EN ISO 9002 Reg No. M409

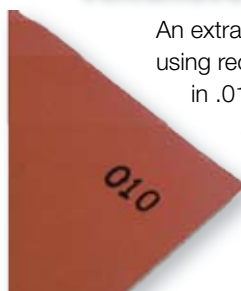
Nylon Locating Pins

Reusable locators are designed to precisely transfer counters from cutting dies to cutting plate for accurate registration. Available in .316 Nylon, .316 Delrin or .321 Delrin.



Available with or without square nylon bushing for pin. A snug-fitting rubber bushing which fits around the pin for ejection purposes is also available.

Vulcanized Fiber



An extra hard construction allowing for long runs and when you're using recycled board. Red in color, available in 24" x 36" sheets, in .010, .012, .014, .016, .018, .020, .022, .024, .026, .028, .030, .032, .034, .036, .038, and .040. All sheets are labeled for easy identification.

Make-Ready Supplies

Makeready Tape

Shim-O-Flex Shim Tape

Our self-adhesive shim tape of hardened stainless steel is available in the following sizes (height, width and length):



.001 x 5/16 x 90'
.002 x 5/16 x 33'
.002 x 5/16 x 60'
.002 x 5/16 x 100'
.002 x 5/16 x 180'
.004 x 5/16 x 30'
.004 x 5/16 x 33'
.004 x 5/16 x 90'
.004 x 5/16 x 100'

White Spot Tape

.003 x 1/4 x 225'
.003 x 1/4 x 500'
.003 x 1/2 x 500'
.006 x 1/4 x 500'
.006 x 1/2 x 500'

PSA Spot Tape

.006 x 1/4 x 500' Kraft

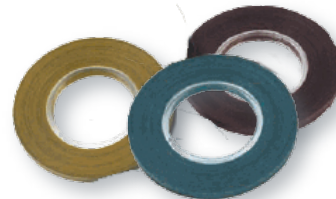
Glassine Tape

.0015 x 1/4 x 500'
.0015 x 1/2 x 500'
.006 x 1/4 x 500' White

We also carry bleached white kraft as well as double faced tape.

ProfiTape (self adhesive)

.001 Blue, 3mm x 115' roll
.001 Blue, 6mm x 115' roll
.001 Blue, 12mm x 115' roll
.001 Blue, 20mm x 115' roll
.002 Red, 3mm x 82' roll
.002 Red, 6mm x 82' roll
.002 Red, 12mm x 82' roll
.003 Yellow, 3mm x 60' roll
.003 Yellow, 6mm x 60' roll
.003 Yellow, 12mm x 114' roll



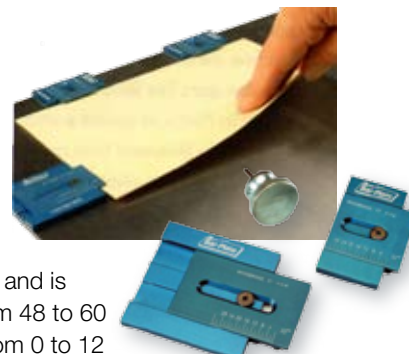
Carbon Paper



One-time .002 thick comes in 300 and 3,000 ft rolls.
Multi-use .005 thick comes in 150 and 1,500 ft rolls.
All rolls available in 24", 36", 45", and 54" widths.

Low Profile Adjusto Guides

A low profile adjusto guide for print-to-cut registration and fast make-ready. Comes in full size of 2" x 2" or half size 2" x 1".



One-Piece Quoins with Keys

One piece quoin comes in 3", 6", 9", and 12" lengths and is capable of expanding from 48 to 60 points in 1 point steps from 0 to 12 points.



"T" handle key and 6" right key available with a non-slip cushion grip. A 5-tooth replaceable key shank is also available.

Solid Steel Stop Pins

For close tolerance dies! 1/2" diameter, in heights .900 to .960. Other heights and diameters available on special order. Specify tolerance +/- .001 or +/- .0005.



Stop Guides

Available in a large one-piece guide or a two piece small guide size .937. Box of 100.



Torque Quoin Key

The Torque Quoin Key reduces the chance of breaking the quoin. The key allows 105 inch pounds of torque, more than sufficient to hold the die in place, even on Bobst presses.



Nicking Supplies

Quicknick Grinder



This precision nicking tool is compact and easy to handle. The Quicknick comes with a newly designed head with smooth rounded edges and finger grips, a smoother action and a simpler method of changing the wheel. Two bases are available and each has easy-to-read scales and comes with a dense rubber mat finish on the bottom to protect the rule and ensure non-slip, stable grinding.



There are four options available: The Electric 110 Volt 1/6 HP, Electric 110 Volt 1/6 HP Variable Speed, Electric 220 Volt, and Phumatic.

Each grinder comes with 14 grinding wheels for controlled nicks including: .006, .008, .012, .016, .020, .025, .031, 1mm, .047, .063, .078, .094, .109, and .125 or 10 wheels of your choice.

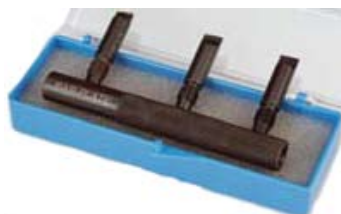


Extended Lift Base

Available for all Quicknick grinders.

Nicking Chisel Set

The Nicking Chisel Set is a simple, inexpensive tool for nicking dies. The set comes complete with a knurled holder and three standard tips, .020, .030 & .040. The male-threaded tip and the female-threaded holder make changing tips quick and simple.



Special tips available: .010, .015, .025 for use

on medium hard rule and .040, .050, .060, .070 & .080 for use on all rule.



Grinding Wheels

Rubber bonded (max. 22,000RP).

1-1/2" dia with 1/8" hole in thicknesses: .015, .020, .025, .031, .040, .045, .062, .093, .125

1-5/8" dia with 9/32" hole in thicknesses: .008, .012, .016, .020, .025, .031, .047, .063, .078, .094, 1.25.

2" dia with 1/8" hole in thicknesses: .015, .020, .025, .031, .040, .045, .062, .093, .125.

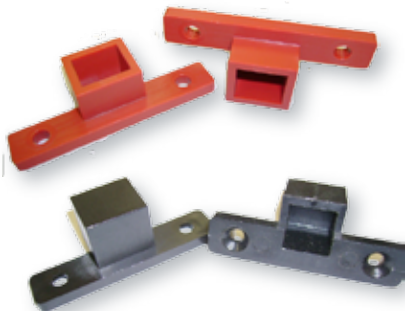
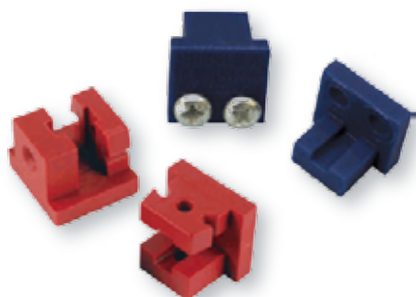
Reinforced 2" dia with 1/8" hole in thicknesses: thin (< .040), medium (.045, .060), thick (.065, .080), extra thick (> .085)

Other sizes available upon request.



Miscellaneous**Center Line Parts**

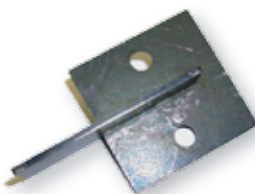
Centering Blocks. Centerline Stops. Black for use on the upper, male stripping and red for use on the lower female stripper.

**Martin Hoops**

Available for 7", 10.125", 14.4" and 19" diameters. Also available for the Posilock Miniline 7.

Storage Bolt & Nut

43mm & 50mm

**Breaker Knives****Bobst Claws****Spacers**

7/8" and 1" nylon

**Trim Cut Off Knives**

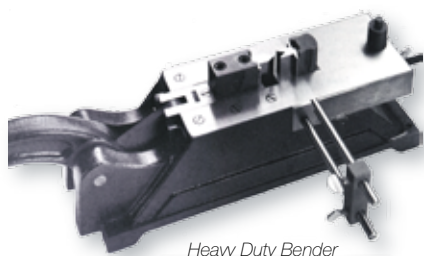
AmeriKen carries the complete line of Bobst Accessories.

Diecutting Jackets & Plates

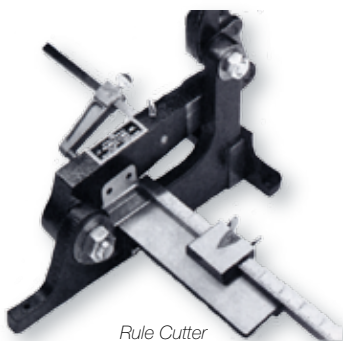
AmeriKen offers a large selection of diecutting jackets for all non-converted presses as well as cutting, creasing, and back-up plates for all diecutting presses.



Manual Equipment



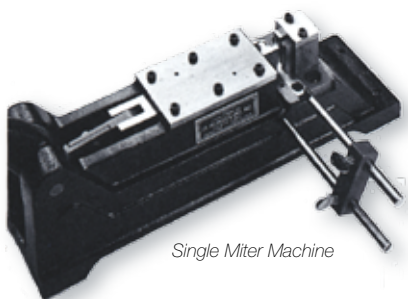
Heavy Duty Bender



Rule Cutter



E-Z Heavy Duty Notcher



Single Miter Machine

Helmold Equipment

AmeriKen carries the complete line of Helmold die room equipment. Whether you're starting a new die shop, looking at re-knifing your existing dies, or adding equipment to your existing shop, we can recommend the right equipment to exactly suit your needs.

Call your local AmeriKen Representative or visit us online at ameriken.com for complete information on the entire Helmold line.

- ◆ **Standard Bender**
- ◆ **Heavy Duty Bender**
- ◆ **Bender Bendall**
- ◆ **E-Z Heavy Duty Bender**
- ◆ **E-Z Bender Bendall**
- ◆ **Rule Cutter**
- ◆ **Single Miter Machine**
- ◆ **Right & Left Hand Miter Machine**
- ◆ **Standard Notcher**
- ◆ **Heavy Duty Notcher**
- ◆ **E-Z Heavy Duty Notcher**

Helmold E-Z Line

The E-Z line of tools have a toggle joint mechanism in the handle so it delivers the same results as your traditional tools, with one-quarter the elbow grease, giving you far greater working force for your effort. The handle also has ergonomic, variable hand positioning for personalized comfort and convenience. Order an E-Z Line tool and see the difference yourself!



Cutawl Saws

Cutawl saws are high-speed, portable precision saws specially designed for making rotary and flat dies. They cut hard maple or birch dieboard quickly and easily, unlike commercially available sabre-type saws which burn out quickly. Straight lines, curves, or intricate patterns are simple to cut with a free-floating 360 degree swivel head.

The curved base plate for making rotary dies is high quality, one-piece cast aluminum. The flat base plate is made of stainless steel. Both the flat and rotary models will accommodate blades to cut 2, 3, or 4pt kerf and have standard 115v 50-60 Hz motor.

Optional equipment includes a 230v 50-60 Hz motor, a radio frequency interference suppresser, and a safety gauge (required in Canada).

- K-12F for Flat dieboards**
- K-12C-50 for 50" Rotary dieboards**
- K-12C-66 for 66" Rotary dieboards**



Tool Re-Sharpener

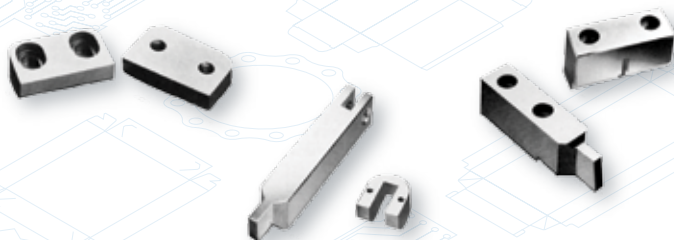
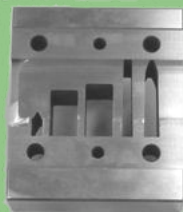
Tool Re-Sharpener from AmeriKen

All Brands. 2-3 Day Turnaround. Express One-Day Service Available!

With our Express One-Day Service, we'll have your knives for all manual and automated equipment sharpened and shipped back the same day...

Guaranteed!

Ask us about our Guarantee.
Then ask our competitors about theirs.



Send your tooling to:
AmeriKen
Tool Re-Sharpener
2280 Conestoga Dr.
Carson City, NV 89706

AmeriKen
Tool Re-Sharpener
618 N. Edgewood Ave
Wood Dale, IL 60191

Automated Rule Processors

No matter what automated bender you have, all tooling requires re-sharpening. Failure to follow a regular maintenance schedule, and avoiding signs of dull tools, will result in more breakage on the tools and leave a larger burr on the rule.

AmeriKen has been offering precision re-sharpening on bender tooling before most automated systems were brought to the market. We have the experience and expertise to precisely re-sharpen your bender tooling to "as good as new" condition.

Manual Equipment

Did you know dull knives on cutting, notching, and mitering machines produce poor quality dies and can damage your equipment? When your knives begin to show signs of wear and become dull, let AmeriKen bring them back to life! We have the experience and technology to not only offer you precisely re-sharpened edges, but we can get your tools turned around the same day when necessary.

Express One-Day Service

Our Express One-Day service will have your knives on their way back to you the same day we receive them. Advance notice is required for express service to ensure sufficient time is available on the date we receive your knives. Call our Re-Sharpener Department at 1.800.553.7777 in Illinois or 1.800.553.6666 in Nevada to schedule an appointment.

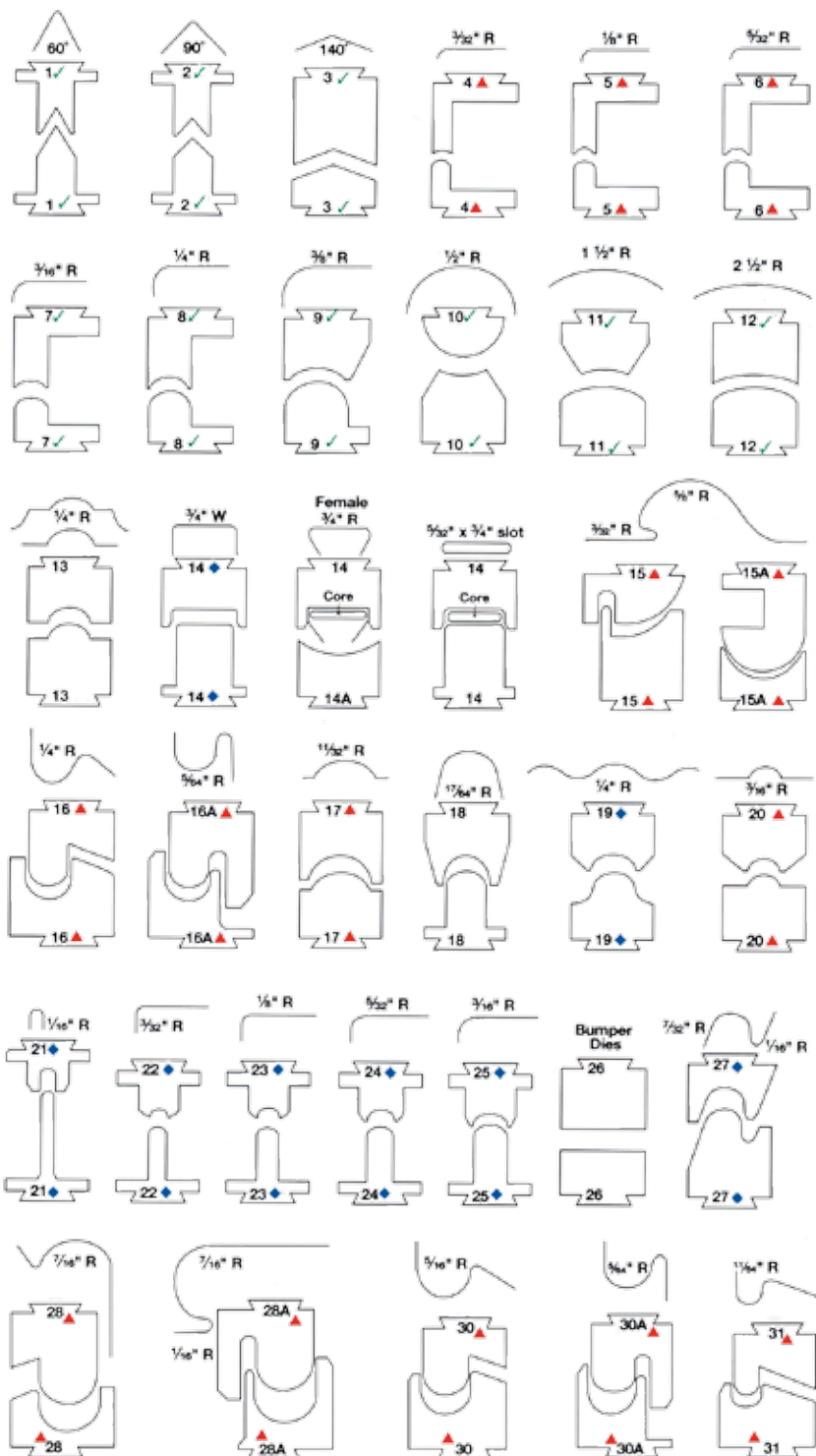
Dies for Rule Benders

All dies shown are for 2pt soft temper rule. The symbols indicate the dies that can be opened up for thicker rule by milling a small portion of the die. Dies not marked with any symbol cannot be opened up to accommodate thicker rule.

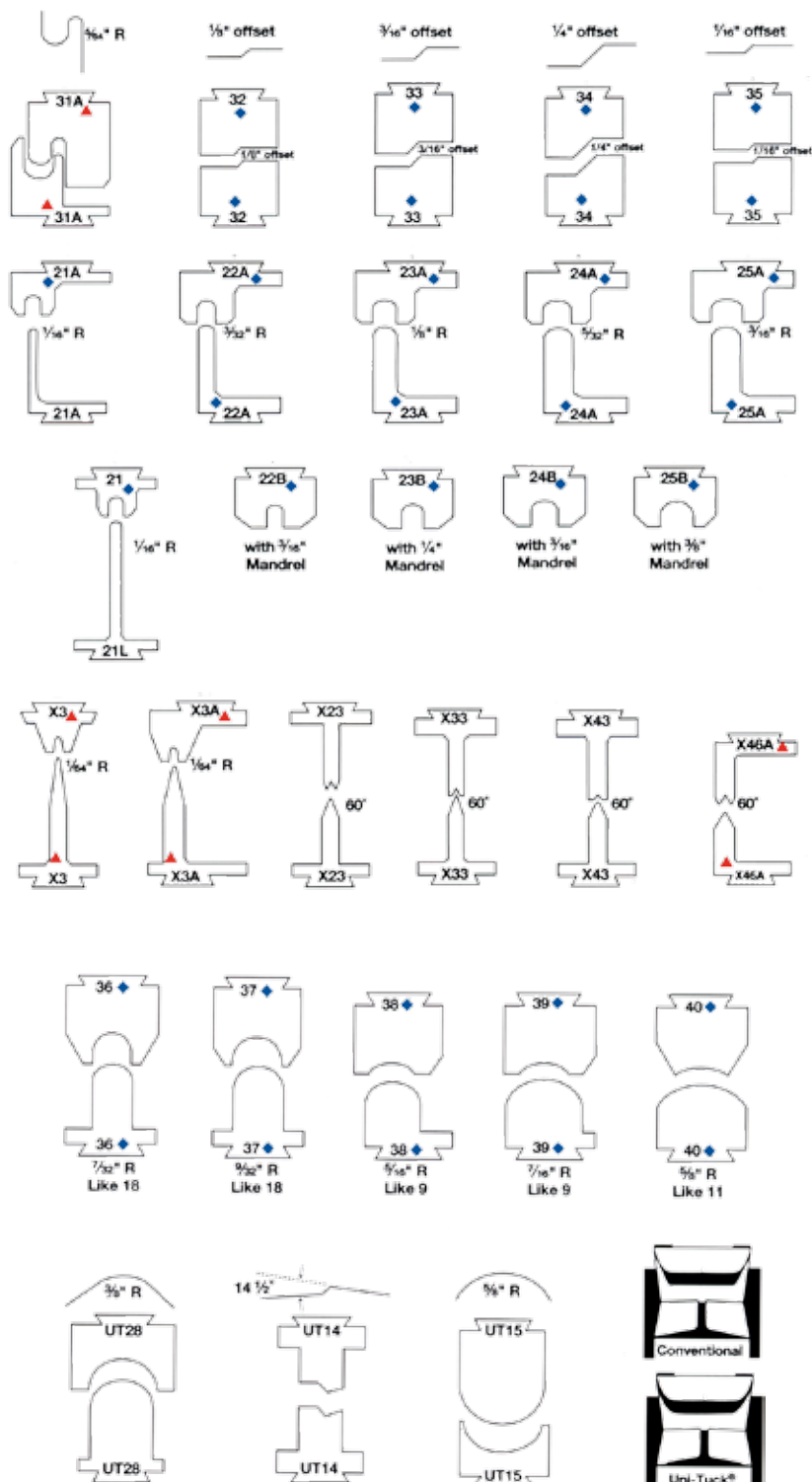
◆ These dies can be opened up for 3 or 4 pt rule

▲ These dies can be opened up for 3 pt rule only

✓ There is no need to open these dies up for 3 or 4 pt rule.



Dies for Rule Benders



◆ These dies can be opened up for 3 or 4 pt rule

▲ These dies can be opened up for 3 pt rule only

✓ There is no need to open these dies up for 3 or 4 pt rule.

Rule Specification/Comparison Chart

Manufacturer & Rule Name		Bevel Angle	Edge Type	Body RW	Edge RW	Body Coat.	Edge Coat.	Decarb Thick-ness	Edge Hard-ening	Min Bend Radius	Max Angle @Min Bend	Standard Heights	Height Tolerance
BO	Econo Corr, 2pt	53	S	46	46	N	N	NA	TH	.016	NA	.937	±.0008
BO	Econo Corr, 3pt	53	S	46	46	N	N	NA	TH	.024	NA	.937	±.0008
BO	Econo Corr, 4pt	53	S	46	46	N	N	NA	TH	.043	NA	.937	±.0008
BO	Top, 2pt	53.42	S	45	45	N	N	NA	TH	.012	NA	.900 to .937	±.0008
BO	Top, 3pt	53.42	S	45	45	N	N	NA	TH	.024	NA	.900 to .937	±.0008
BO	Top, 4pt	53.42	S	45	45	N	N	NA	TH	.043	NA	.900 to .937	±.0008
BO	H75, 2pt	53	S	51	51	N	N	NA	TH	.067	NA	.918 to .937	±.0008
BO	H75, 3pt	53	S	51	51	N	N	NA	TH	.138	NA	.918 to .937	±.0008
BO	H75, 4pt	53	S	51	51	N	N	NA	TH	.256	NA	.918 to .937	±.0008
BO	Universal, 2pt	53, 42	S	34	57	N	N	NA	HF	.012	NA	.918 to .937	±.0008
BO	Universal, 3pt	53, 42	S	34	57	N	N	NA	HF	.016	NA	.918 to .937	±.0008
BO	Universal, 4pt	53, 42	S	34	57	N	N	NA	HF	.028	NA	.918 to .937	±.0008
BO	Universal 60, 2pt	53	S	45	57	N	N	NA	HF	.012	NA	.918 to .937	±.0008
BO	Universal 60, 3pt	53	S	45	57	N	N	NA	HF	.024	NA	.918 to .937	±.0008
BO	Universal 60, 4pt	53	S	45	57	N	N	NA	HF	.043	NA	.918 to .937	±.0008
BO	Universal 75, 2pt	53	S	51	58	N	N	NA	HF	.067	NA	.937	±.0008
BO	Universal 75, 3pt	53	S	51	58	N	N	NA	HF	.138	NA	.937	±.0008
BO	Universal 75, 4pt	53	S	51	58	N	N	NA	HF	.256	NA	.937	±.0008
BO	Univ Supreme, 2pt	47	G	34	57	N	Y	NA	SP	.016	NA	.900 to .937	±.0008
BO	Univ Supreme, 3pt	47	G	34	57	N	Y	NA	SP	.024	NA	.900 to .937	±.0008
BO	Univ Supreme, 4pt	47	G	34	57	N	Y	NA	SP	.043	NA	.900 to .937	±.0008
BO	Univ K-Back, 2pt	45	S	34	57	N	N	NA	HF	.012	NA	.918 to .937	±.0008
BO	Univ K-Back, 3pt	45	S	34	57	N	N	NA	HF	.016	NA	.918 to .937	±.0008
BO	Univ K-Back, 4pt	45	S	34	57	N	N	NA	HF	.028	NA	.918 to .937	±.0008
BO	Stabilocut	73	S	34	57	N	N	NA	HF	NA	NA	.937	±.0008
BO	X-tra	42	S	40	60	N	N	NA	HF	NA	NA	.937	±.0008
BO	Label-X	35,42,53	X	40	57	N	N	NA	HF	.012	NA	.275, .472	±.0008
BO	Plast-X	42	X	40	59	N	N	NA	HF	.012	NA	.929, .937	±.0008
HE	Lazer Blade	40, 50, 60	S	33-35	59-61	Y	N	.001	L	.005	160	.918, .923, .937	±.001
HE	Helmex	40, 50, 60	S	40-42	40-42	Y	N	.0005	N	.015	160	.918, .923, .937	±.001
HE	Helmex	60	G	40-42	40-42	Y	N	.0005	N	.015	160	.918, .923, .937	±.001
HE	S-70	40, 50, 60	S	43-46	43-46	Y	N	.0005	N	.040	180	.918, .923, .937	±.001
HE	S-70	60	G	43-46	43-46	Y	N	.0005	N	.040	180	.918, .923, .937	±.001
HE	70	40, 50, 60	S	47-50	47-50	Y	N	.0005	N	.062	180	.918, .923, .937	±.001
HE	70	60	G	47-50	47-50	Y	N	.0005	N	.062	180	.918, .923, .937	±.001
MM	HP44, 3 & 4pt	54	S	44	61	N	N	NA	I/P	.016	NA	.937	±.0008

Manufacturer

BO - Bohler
HE - Helmold
MM - Martin Miller
MX - Maxim
NL - National
TS - Tsukatani
ZI - Zimmer

Edge type

G-Ground
S-Shaved.

Edge hardening

HF-High Frequency
I-Induction
L-Laser
P=Plasma
SC=Specialty Coating
TH-Through Hardened

Rule Specification/Comparison Chart

Manufacturer & Rule Name	Bevel Angle	Edge Type	Body RW	Edge RW	Body Coat.	Edge Coat.	Decarb Thick-ness	Edge Hard-ening	Min Bend Radius	Max Angle @Min Bend	Standard Heights	Height Tolerance
MM MM40	42, 54	S	40	40	N	N	NA	TH	.008	NA	.937	±.0008
MM MM44	42, 54	S	44	44	N	N	NA	TH	.008	110	.937	±.0008
MM MM47, 2pt	42, 54	S	47	47	N	N	NA	TH	.008	110	.937	±.0008
MM MM47, 3pt	42, 54	S	47	47	N	N	NA	TH	.020	110	.937	±.0008
MM MM47, 4pt	42, 54	S	47	47	N	N	NA	TH	.039	110	.937	±.0008
MM HF34	42, 54	S	34	51	N	N	NA	HF	.008	NA	.918 - .937	±.0008
MM HF40	42, 54	S	40	51	N	N	NA	HF	.008	NA	.918 - .937	±.0008
MM HF44, 2pt	54	S	44	51	N	N	NA	HF	.008	NA	1.25	±.0008
MM HF44, 3 & 4pt	54	S	44	51	N	N	NA	HF	.016	NA	1.25	±.0008
MM HP34	54	S	34	61	N	N	NA	I/P	.008	NA	.937	±.0008
MM HP40	42, 54	S	40	61	N	N	NA	I/P	.008	NA	.918 - .937	±.0008
MM HP44, 2pt	54	S	44	61	N	N	NA	I/P	.008	NA	.937	±.0008
MX Maxim	52, 42, 30	S,G	27,39	39	N	N	.002	TH		NA	.918, .937	±.0002
MX Maxim EH	52, 42, 30	S,G	27,39	55	N	N	.002	TH		NA	.937	±.0002
NL Nataloy	52	S	40	40	N	N	NA	N			.918, .937, 1, 1.125, 1.250	±.0001
NL Premium	52	S	36-39	50-52	N	N	NA	I	.016	90	.918, .937	±.0001
NL Medium Hard	52	S	41-44	41-44	N	N	NA	N	.032	90	.918, .937, 1.50, 2	±.0001
NL Medium	52	S	36-39	36-39	N	N	NA	N	.016	90	.918, .937	±.0001
NL 70 Hard	52	G	46-49	46-49	N	N	NA	N	.500	90	.918, .937	±.0001
NL 75 Hard	52	G	49-51	49-51	N	N	NA	N	NA	NA	.918, .937	±.0001
NL 80 Hard	52	G	51-54	51-54	N	N	NA	N	NA	NA	.918, .937	±.0001
TS Superblade	30, 42, 58	G	36	53	Y	N	NA	I	.020	120	.918, .923, .937	±.0008
TS Superblade Hard	58	G	45	60	Y	N	NA	I	.020	90	.937	±.0008
TS Superblade J1	30, 42	G	36	53	Y	N	.002	I	.020	120	.918, .937	±.0008
TS Superblade Self Leveling	42	G	36	53	Y	N	.002	I	.020	120	.937	±.0008
TS #70	58	G	46	46	Y	N	NA	I	.020	90	.918, .923, .937	±.0008
TS MH	58	G	41	41	Y	N	NA	I	.020	100	.918, .923, .937	±.0008
TS Tignite S	52, 42	S,G	34	57	Y	N	NA	NA	NA	NA	.937	±.0008
TS Tignite S Hard	52	S,G	39	57	Y	N	NA	NA	NA	NA	.937	±.0008
ZI 70 Hard	52	G	46-49	46-49	N	N	NA	N	.500	90	.918, .937	±.0001
ZI 75 Hard	52	G	49-51	49-51	N	N	NA	N	NA	NA	.918, .937	±.0001
ZI 80 Hard	52	G	51-54	51-54	N	N	NA	N	NA	NA	.918, .937	±.0001
ZI Automate	52	G	34-37	50-52	N	N	NA	I	.016	90	.918, .937	±.0001
ZI Sharp One	60 42	G	37-50	37-50	N	N	.001	N	.062	180	.918, .937	±.001
ZI TXB	60, 42	G	40-43	40-43	N	N	NA	N	.016	20	.918, .937	±.001
ZI MicroNik	42	G	42-45	42-45	N	N	.001	N	.062	180	.937	±.001

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Edge hardening

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L-Laser
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SC=Specialty Coating
TH-Through Hardened

Circle Charts

Diameter & Circumference 1" to 6-15/16"

Dia.	Cir.	Dia.	Cir.	Dia.	Cir.
1"	3.142	3"	9.425	5"	15.708
1/16	3.338	1/16	9.621	1/16	15.904
1/8	3.534	1/8	9.817	1/8	16.101
3/16	3.731	3/16	10.014	3/16	16.297
1/4	3.927	1/4	10.210	1/4	16.493
5/16	4.123	5/16	10.407	5/16	16.690
3/8	4.320	3/8	10.603	3/8	16.886
7/16	4.516	7/16	10.799	7/16	17.082
1/2	4.712	1/2	10.996	1/2	17.279
9/16	4.909	9/16	11.192	9/16	17.475
5/8	5.105	5/8	11.388	5/8	17.671
11/16	5.301	11/16	11.585	11/16	17.868
3/4	5.498	3/4	11.781	3/4	18.064
13/16	5.694	13/16	11.977	13/16	18.261
7/8	5.890	7/8	12.174	7/8	18.457
15/16	6.087	15/16	12.370	15/16	18.653
2"	6.283	4"	12.566	6"	18.850
1/16	6.480	1/16	12.763	1/16	19.046
1/8	6.676	1/8	12.959	1/8	19.242
3/16	6.872	3/16	13.155	3/16	19.439
1/4	7.069	1/4	13.352	1/4	19.635
5/16	7.265	5/16	13.548	5/16	19.831
3/8	7.461	3/8	13.744	3/8	20.028
7/16	7.658	7/16	13.941	7/16	20.224
1/2	7.854	1/2	14.137	1/2	20.420
9/16	8.050	9/16	14.334	9/16	20.617
5/8	8.247	5/8	14.530	5/8	20.813
11/16	8.443	11/16	14.726	11/16	21.009
3/4	8.639	3/4	14.923	3/4	21.206
13/16	8.836	13/16	15.119	13/16	21.402
7/8	9.032	7/8	15.315	7/8	21.598
15/16	9.228	15/16	15.512	15/16	21.795

Diameter & Circumference 7" to 12-15/16"

Dia.	Cir.	Dia.	Cir.	Dia.	Cir.
7"	21.991	9"	28.274	11"	34.558
1/16	22.187	1/16	28.471	1/16	34.754
1/8	22.384	1/8	28.667	1/8	34.950
3/16	22.580	3/16	28.863	3/16	35.147
1/4	22.777	1/4	29.060	1/4	35.343
5/16	22.973	5/16	29.256	5/16	35.539
3/8	23.169	3/8	29.452	3/8	35.736
7/16	23.366	7/16	29.649	7/16	35.932
1/2	23.562	1/2	29.845	1/2	36.128
9/16	23.758	9/16	30.041	9/16	36.325
5/8	23.955	5/8	30.238	5/8	36.521
11/16	24.151	11/16	30.434	11/16	36.717
3/4	24.347	3/4	30.631	3/4	36.914
13/16	24.544	13/16	30.827	13/16	37.110
7/8	24.740	7/8	31.023	7/8	37.306
15/16	24.936	15/16	31.220	15/16	37.503
8"	25.133	10"	31.416	12"	37.699
1/16	25.329	1/16	31.612	1/16	37.895
1/8	25.525	1/8	31.809	1/8	38.092
3/16	25.722	3/16	32.005	3/16	38.288
1/4	25.918	1/4	32.201	1/4	38.485
5/16	26.114	5/16	32.398	5/16	38.681
3/8	26.311	3/8	32.594	3/8	38.877
7/16	26.507	7/16	32.790	7/16	39.074
1/2	26.704	1/2	32.987	1/2	39.270
9/16	26.900	9/16	33.183	9/16	39.466
5/8	27.096	5/8	33.379	5/8	39.663
11/16	27.293	11/16	33.576	11/16	39.859
3/4	27.489	3/4	33.772	3/4	40.055
13/16	27.685	13/16	33.968	13/16	40.252
7/8	27.882	7/8	34.165	7/8	40.448
15/16	28.078	15/16	34.361	15/16	40.644

For those really small circles 1/32" to 17/32"

Dia.	Cir.	Dia.	Cir.	Dia.	Cir.
1/32	0.098	3/16	0.589	3/8	1.178
3/64	0.147	7/32	0.687	13/32	1.276
1/16	0.196	1/4	0.785	7/16	1.374
3/32	0.295	9/32	0.884	15/32	1.473
1/8	0.393	5/16	0.982	1/2	1.571
5/32	0.491	11/32	1.080	17/32	1.669

For those really small circles 9/16" to 31/32"

Dia.	Cir.	Dia.	Cir.	Dia.	Cir.
9/16	1.767	23/32	2.258	7/8	2.749
19/32	1.865	3/4	2.356	29/32	2.847
5/8	1.963	25/32	2.454	15/16	2.945
21/32	2.062	13/16	2.553	31/32	3.043
11/16	2.160	27/32	2.651		

Conversion Chart and
Territory Map

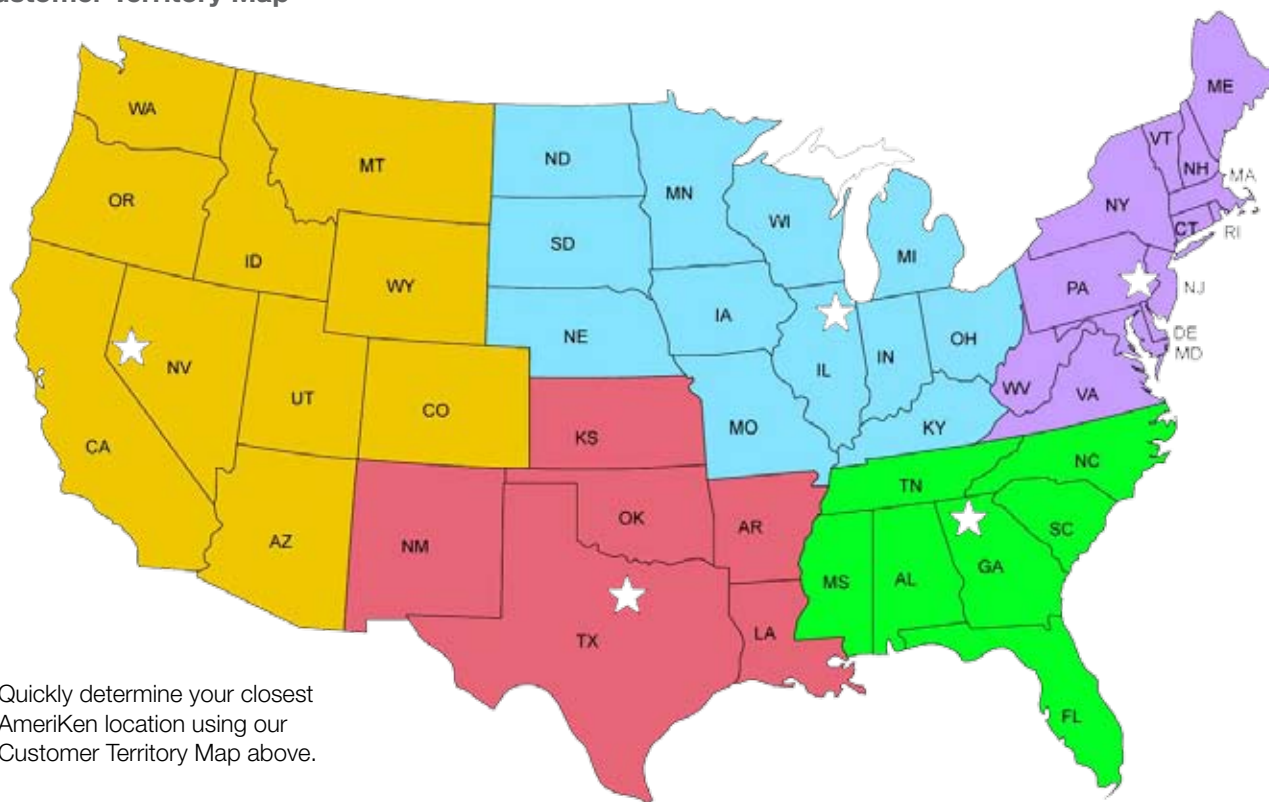
Millimeters to Inches

MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES
1	.0394	21	.8268	41	1.6142	61	2.4016	81	3.1890
2	.0787	22	.8661	42	1.6535	62	2.4409	82	3.2283
3	.1181	23	.9055	43	1.6929	63	2.4803	83	3.2677
4	.1575	24	.9449	44	1.7323	64	2.5197	84	3.3071
5	.1969	25	.9843	45	1.7717	65	2.5591	85	3.3465
6	.2362	26	1.0236	46	1.8110	66	2.5984	86	3.3858
7	.2756	27	1.0630	47	1.8504	67	2.6378	87	3.4252
8	.3150	28	1.1024	48	1.8898	68	2.6772	88	3.4646
9	.3543	29	1.1417	49	1.9291	69	2.7165	89	3.5039
10	.3937	30	1.1811	50	1.9685	70	2.7559	90	3.5433
11	.4331	31	1.2205	51	2.0079	71	2.7953	91	3.5827
12	.4724	32	1.2598	52	2.0472	72	2.8346	92	3.6220
13	.5118	33	1.2992	53	2.0866	73	2.8740	93	3.6614
14	.5512	34	1.3386	54	2.1260	74	2.9134	94	3.7008
15	.5906	35	1.3780	55	2.1654	75	2.9528	95	3.7402
16	.6299	36	1.4173	56	2.2047	76	2.9921	96	3.7795
17	.6693	37	1.4567	57	2.2441	77	3.0315	97	3.8189
18	.7087	38	1.4961	58	2.2835	78	3.0709	98	3.8583
19	.7480	39	1.5354	59	2.3228	79	3.1102	99	3.8976
20	.7874	40	1.5748	60	2.3622	80	3.1496	100	3.9370

To convert MM to inches:
MM divided by 25.4 = Inches

To convert inches to MM:
MM times 25.4 = Inches

Customer Territory Map



Quickly determine your closest
AmeriKen location using our
Customer Territory Map above.

Conversion Chart

FRACTION	DECIMAL	MM	FRACTION	DECIMAL	MM
$\frac{1}{64}$	.0156	0.396	$\frac{33}{64}$	.5156	13.096
$\frac{1}{32}$	.0312	0.793	$\frac{17}{32}$	.5312	13.493
$\frac{3}{64}$	.0468	1.190	$\frac{35}{64}$	.5468	13.890
$\frac{1}{16}$	.0625	1.587	$\frac{9}{16}$	.5625	14.287
$\frac{5}{64}$	.0781	1.984	$\frac{37}{64}$	.5781	14.684
$\frac{3}{32}$	.0937	2.381	$\frac{19}{32}$	.5937	15.081
$\frac{7}{64}$	.1093	2.778	$\frac{39}{64}$	.6093	15.478
$\frac{1}{8}$	.125	3.175	$\frac{5}{8}$	.625	15.875
$\frac{9}{64}$	.1406	3.571	$\frac{41}{64}$	.6406	16.271
$\frac{5}{32}$	.1562	3.968	$\frac{21}{32}$	.6562	16.668
$\frac{11}{64}$	.1718	4.365	$\frac{43}{64}$	.6718	17.065
$\frac{3}{16}$	.1875	4.762	$\frac{11}{16}$	.6875	17.462
$\frac{13}{64}$	.2031	5.159	$\frac{45}{64}$	.7031	17.859
$\frac{7}{32}$	.2187	5.556	$\frac{23}{32}$	.7187	18.256
$\frac{15}{64}$	.2343	5.953	$\frac{47}{64}$	.7343	18.653
$\frac{1}{4}$	.25	6.350	$\frac{3}{4}$	.75	19.050
$\frac{17}{64}$	.2656	6.746	$\frac{49}{64}$	.7656	19.446
$\frac{9}{32}$	.2812	7.143	$\frac{25}{32}$	.7812	19.843
$\frac{19}{64}$	.2968	7.540	$\frac{51}{64}$	.7968	20.240
$\frac{5}{16}$	.3125	7.937	$\frac{13}{16}$	.8125	20.637
$\frac{21}{64}$	.3281	8.334	$\frac{53}{64}$	.8281	21.034
$\frac{11}{32}$	.3437	8.731	$\frac{27}{32}$	.8437	21.431
$\frac{23}{64}$	.3593	9.128	$\frac{55}{64}$	.8593	21.828
$\frac{3}{8}$	.375	9.525	$\frac{7}{8}$	.875	22.225
$\frac{25}{64}$	.3906	9.921	$\frac{57}{64}$	.8906	22.621
$\frac{13}{32}$	.4062	10.318	$\frac{29}{32}$	.9062	23.018
$\frac{27}{64}$	.4218	10.715	$\frac{59}{64}$	.9218	23.415
$\frac{7}{16}$	.4375	11.112	$\frac{15}{16}$	.9375	23.812
$\frac{29}{64}$	.4531	11.509	$\frac{61}{64}$	.9531	24.209
$\frac{15}{32}$.4687	11.906	$\frac{31}{32}$.9687	24.606
$\frac{31}{64}$.4843	12.303	$\frac{63}{64}$.9843	25.003
$\frac{1}{2}$.5	12.700	1	1	25.400

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knowledge

Our knowledgeable sales staff has instant access to inventory in every one of our locations.

availability

3 million punches.
3 million ft. of steel rule.
In stock and ready to ship!

quality

From raw materials to finished products, our strict requirements meet or exceed industry standards, ensuring our quality is second to none.

service

Fast, Same Day Shipping!

Most orders received by 3:30pm PST ship the same day



866-4-PUNCHES (866-478-6243)
ameriken.com
sales@ameriken.com

Illinois

618 N. Edgewood Ave
Wood Dale, IL 60191
800.553.7777 ♦ 630.766.6226
630.766.6588 Fax ♦ illinois@ameriken.com

Nevada

2280 Conestoga Dr
Carson City, NV 89706
800.553.6666 ♦ 775.882.4453
775.882.4782 Fax ♦ nevada@ameriken.com

Georgia

119 Pounds Dr
Tucker, GA 30084
888.941.5097 ♦ 770.935.9033
770.935.1465 Fax ♦ georgia@ameriken.com

Texas

625 N. Great Southwest Pkwy
Arlington, TX 76011
800.858.1699 ♦ 817.652.1041
817.652.2760 Fax ♦ texas@ameriken.com

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401B Industrial Dr
North Wales, PA 19454
800.245.9375 ♦ 215.699.8710
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Serving the Diecasting and Diecutting Industry since 1953.

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experience

Today

FROM HUMBLE BEGINNINGS TO INDUSTRY LEADER