

ESTABLISHED 1880

Punches, Dies, & Shear Blades

FOR SCOTCHMAN™ IRONWORKERS

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- **Email:** sales@clevelandpunch.com
- Address: 666 Pratt Street, Ravenna, OH 44266

CLEVELAND PUNCH & DIE COMPANY

THE CLEVELAND ADVANTAGES

Going the Extra Mile and Delivering on Our Promises For Over 140 Years

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With over 140 years of experience in the industry, our team at Cleveland Punch & Die is dedicated to support our customer's needs. We have the industry's largest stocking inventory and are the OEM recommended supplier for machines across the industry. As the world-class leader in tooling and related components, you can be assured of our commitment to excellence.

THE GREEN TEAM UBBICATE

Our customer service team is here to provide the knowledge and service you deserve and strives to develop long lasting partnerships. We are available by phone, email or online chat 7am – 6pm EST.

WORLD CLASS ENGINEERING

Our Engineering team works hard to design the highest quality punches, dies, shear blades, and custom tooling on the market. Our high quality and innovative tools keep your shop on the leading edge of technology.

CONSISTENT QUALITY

We provide our customers with tooling manufactured from our own proprietary tool steel. By utilizing a consistent raw material and the latest metallurgical heat-treating technology, the tooling you receive from Cleveland Punch & Die is the industry's highest and most consistent quality.

DEPENDABLE DELIVERY

Our commitment to manufacturing innovation enables Cleveland Punch & Die to provide you with prompt shipment on the highest quality tools you need. Fast delivery means increased productivity for your operation.



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PUNCHES & DIES

Punches, Dies, Shape Options, & Punch-Easy®

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PUNCHES



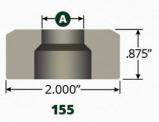




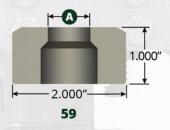


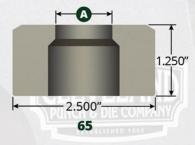
See stock punch sizes on page 7.

DIES



See stock die sizes on page 8.





SHAPE OPTIONS

Shaped tooling is available upon request. When ordering, please provide size and desired shape. Punches and dies can be keyed and notched to index shape at desired orientation.



SQUARE RECTANGLE



OBLONG



HEXAGON

PUNCH-EASY®

Our patented lubricant, Punch-Easy®, is formulated to increase tool life during punching and shearing applications.



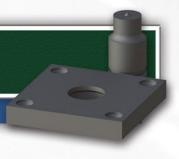
PART#	DESCRIPTION
PEHP	HALF PINT
PEQTL	QUART
PEGLL	GALLON
PE5GL	5 GALLON PAIL
PE55L	55 GALLON DRUM

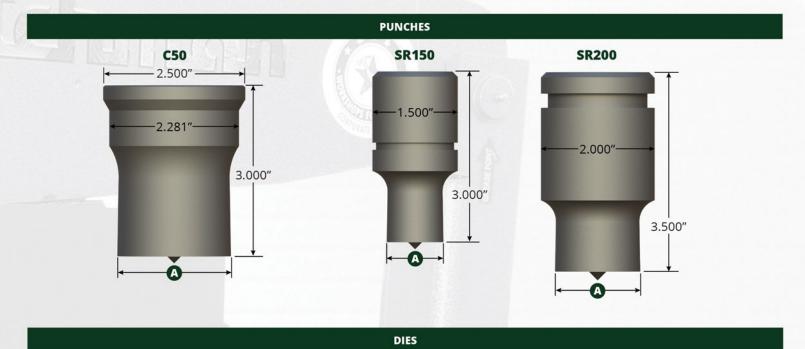


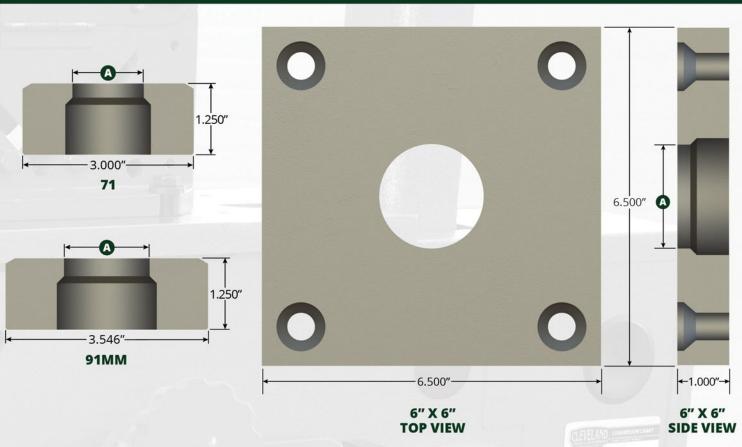
OSHA SAFETY WARNING: It is the users responsibility that the machine and tooling be setup and used in accordance with local and national OSHA laws and ANSI B11.5 standards for safety. Do not permit unqualified personnel to setup or operate the machine. Extreme care should be used at all times.

OVERSIZE TOOLING

Oversize Punches & Dies







CLEVELAND PUNCH & DIE COMPANY

ACCESSORIES

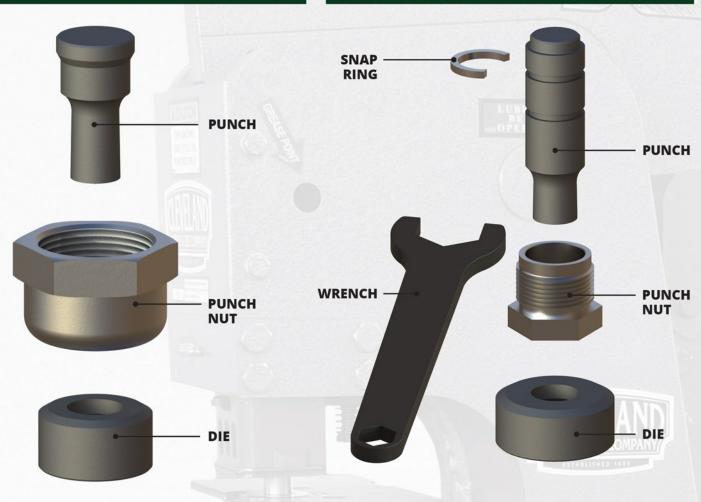
Headed & Snap Ring Style Accessories

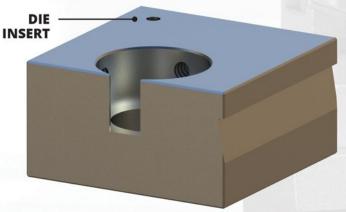


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SNAP RING STYLE ACCESSORIES





SNAP RING STYLE ACCESSORIES					
PART#	DESCRIPTION				
СРДК0006	SNAP RING				
CNSR20	SR20K PUNCH NUT				
S10A0069	WRENCH				

HEADED STYLE ACCESSORIES						
PART #	DESCRIPTION					
CN20D	20 PUNCH NUT					
S10R0001	59 DIE INSERT					
S10R0002	65 DIE INSERT					
S10R0003	71 DIE INSERT					

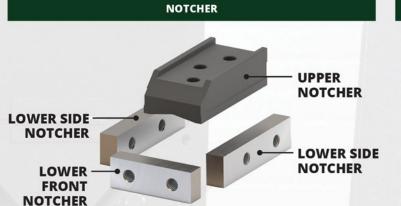
Ask About Hardware For Your Scotchman™ Ironworker.

SHEAR BLADES

Flat Bars, Notchers, & Angles



FLAT BAR UPPER LOWER FLAT BAR FLAT BAR





SCOTCHMAN™ IRONWORKERS													
BLADES	4014	5014-ET	50514-EC	6509-24M	9012-24M	12012-24M	D0 70/ 110-24M	DO 8514 -20M	DO 95/ 140-24M	DO 120/ 200-24M	DO 135/ 220-24M	DO 150/ 240-24M	FI 8510-20N
FLAT BAR													
UPPER FLAT BAR	S10B0003	S10B0004	S10B0004	S10B0002	S10B0002	S10B0002	S10B0002	S10B0013	S10B0002	S10B0002	S10B0002	S10B0002	S10B001
UPPER FLAT BAR (NON-DEFORMING)		S10B0026	S10B0026	-		-	-	-	-	-		-	
LOWER FLAT BAR	S10B0003	S10B0004	S10B0004	S10B0002	S10B0002	S10B0002	S10B0002	S10B0014	S10B0002	S10B0002	S10B0002	S10B0002	S10B001
NOTCHER													
UPPER NOTCHER	-	S10B0031	S10B0031	S10B0044	S10B0044	S10B0044	S10B0012	S10B0046	S10B0012	S10B0008	S10B0008	S10B0008	S10B001
LOWER SIDE NOTCHER (2)	-	S10B0032	S10B0032	S10B0045	S10B0045	S10B0045	S10B0015	S10B0048	S10B0015	S10B0009	S10B0009	S10B0009	S10B001
LOWER FRONT NOTCHER		S10B0032	S10B0032	S10B0045	S10B0045	S10B0045	S10B0010	S10B0047	S10B0010	S10B0010	S10B0010	S10B0010	S10B001
ANGLE													
UPPER ANGLE	S10B0011	S10B0038	S10B0038	S10B0006	S10B0006	S10B0006	S10B0006	S10B0043	S10B0006	S10B0006	S10B0006	S10B0006	S10B0040
LOWER ANGLE (4)	S10B0030	S10B0039	S10B0039	S10B0007	S10B0007	S10B0007	S10B0007	-	S10B0007	S10B0007	S10B0007	S10B0007	-
LOWER ANGLE (2)	-	-	-	-	-	-	-	S10B0042	-	-		-	
LOWER ANGLE	-	-	-	-	-	-	H	-	-	-	-	-	S10B004
LOWER SHORT ANGLE		-	•				-						S10B004

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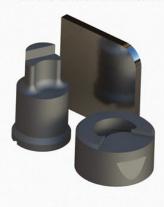
CUSTOM APPLICATIONS

Corner Radius, Picket, Offset, Bevel, & Bevel Serrated Dies, & Pipe Notcher

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CORNER RADIUS

 Generate a specified radius on the corner of material.



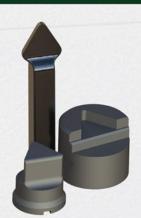
STOCK CORNER RADIUS PUNCHES

А	20
3/8"	•
7/16"	•
1/2"	•

STOCK CORNER RADIUS DIES

A	59
3/8"	•
7/16"	•
1/2"	•

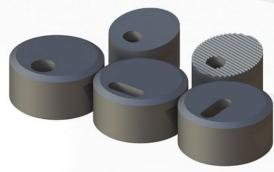
PICKET



- Generate a spear point on square tubing for fence and ornamental iron.
- Flattens and cuts in one operation.

OFFSET, BEVEL, & BEVEL SERRATED DIES

- Offset dies are used to generate holes close to the inside leg of angle iron, I-beam, and channel.
- Plain bevel dies are recommended when punching material that does not have a uniform thickness.



sto	CK OFFSET R	OUND DIES A-1	STOCK OFFSET OBLO	STOCK OFFSET OBLONG DIES B-180°		
A	59	A	59	A	59	
9/32"	•	21/32"	•	13/32" x 25/32"	•	
11/32"	•	11/16"	•	13/32" x 1-1/32"	•	
13/32"	•	23/32"	•	15/32" x 25/32"	•	
7/16"	•	3/4"	•	15/32" x 1-1/32"	•	
15/32"	•	25/32"	•	17/32" x 1-1/32"	•	
1/2"	•	13/16"	•	19/32" x 25/32"	•	
17/32"	•	27/32"	•	19/32" x 1-1/32"	•	
9/16"	•	7/8"	•	23/32" x 1-1/32"	•	
19/32"	•	29/32"	•	27/32" x 1-1/32"	•	
E /0"		/		[V 41 -1 -1 2 2 -1 -1	7 - 1 - 1 - 3	



RD. A-180° STOCK



OB. A-180°



OB. B-180° STOCK

PIPE/TUBE NOTCHER

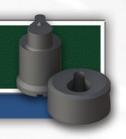
 Used to notch the end of the pipe or tubing in preparation for fitting and welding.



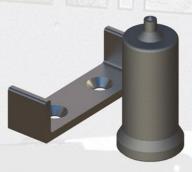
STOCK PIPE NOTCH TOOLING					
PART#	DESCRIPTION				
S10A0068	STRIKER				
CPDA0026	HOUSING				
CPDA0111	1" SCHEDULE 40 TOOLING				
CPDA0112	1-1/4" SCHEDULE 40 TOOLING				
CPDA0020	1-1/2" SCHEDULE 40 TOOLING				
CPDA0113	2" SCHEDULE 40 TOOLING				
CPDA0134	1" SCHEDULE 80 TOOLING				
CPDA0065	1-1/4" SCHEDULE 80 TOOLING				
CPDA0066	1-1/2" SCHEDULE 80 TOOLING				
CPDA0135	2" SCHEDULE 80 TOOLING				
CPDN0030	1/2" X 3" DIE SPRINGS				

CUSTOM APPLICATIONS

Countersink, Double Step, Keyhole, Lattice Bar, Louver, & Ripping Punch



COUNTERSINK



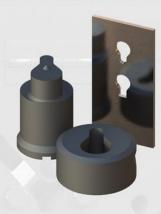
- · Punch and form a countersink hole to allow flathead bolts or screws to sit flush with material surface.
- Please provide bolt/screw size and material thickness when ordering.

DOUBLE STEP



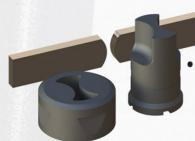
- Punch holes close to the inside leg of angle iron or channel.
- Please provide angle, channel, or I-beam specifications along with hole location when ordering.

KEYHOLE



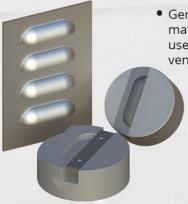
- Used in removable applications where a bolt, chain, or anchor needs to lock in place.
- Common uses include pallet racks, shelving, dump truck bodies, and tow trucks.

LATTICE BAR



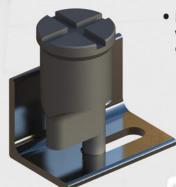
• Shear and generate one or two radii on flat bar material.

LOUVER



• Generate an angled slat in material. Most commonly used to allow for air ventilation.

RIPPING PUNCH



 Produce an elongated hole where the desired length exceeds the machine capacity.

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STOCK PUNCH CHARTS

Stock Round, Square, Hexagon, & Oblong Punch Charts

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S	STOCK ROUND PUNCHES							
Α	SR20K	20	26	C50				
1/8"	•	•	•					
5/32"	•	•	•					
3/16"	•	•	•					
7/32"	•	•	•					
1/4"	•	•	•					
9/32"	•	•	•					
5/16"	•	•	•					
11/32"	•	•	•					
3/8"	•	•	•					
13/32" 7/16"	•	•	•					
15/32"	•	•	•					
1/2"	•	•	•					
17/32"	•	•	•					
9/16"	•	•	•					
19/32"	•	•	•					
5/8"	•	•	•					
21/32"	•	•	•					
11/16"	•	•	•					
23/32"	•	•	•					
3/4"	•	•	•					
25/32"	•	•	•					
13/16"	•	•	•					
27/32"	•	•	•					
7/8"	•	•	•					
29/32"	•	•	•					
15/16"	•	•	•					
31/32"	•	•	•					
1"	•	•	•					
1-1/32"	•	•	•					
1-1/16"	•	•	•	•				
1-3/32"	•	•	•					
1-1/8"	•	•	•	•				
1-5/32"	•	•	•					
1-3/16"	•	•	•	•				
1-7/32"	•	•	•					
1-1/4"	•	•	•	•				
1-9/32"			•					
1-5/16"			•	•				
1-11/32"			•					
1-3/8"			•	•				
1-13/32"	-		•					
1-7/16"	1		•	•				
1-15/32"			•					
1-1/2"			•	•				
1-17/32"			•					
1-9/16"			•	•				
1-5/8"								
1-11/16" 1-3/4"				•				
1-13/16"				•				
1-13/16								
1-15/16"				•				
2"				•				
2-1/16"				•				
2-1/16				•				
2-3/16"				•				
2-3/10				•				
2 1/4								

Α	20	26
7/32"	•	
1/4"	•	
9/32"	•	
5/16"	•	•
11/32"	•	•
3/8"	•	•
13/32"	•	•
7/16"	•	
15/32"	•	•
1/2"	•	•
17/32"	•	•
9/16"	•	•
19/32"	•	•
5/8"		
21/32"	•	•
11/16"	•	•
23/32"	•	
3/4"	•	•
25/32"	•	•
13/16"	•	•
7/8"	•	•
15/16"		•
1"		•
1-1/16"		•

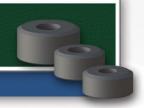
STOCK HE	X PUNC	HES
Α	20	26
11/32"	•	•
3/8"	•	•
13/32"	•	•
7/16"	•	•
15/32"	•	•
1/2"	•	•
17/32"	•	•
9/16"	•	•
19/32"	•	•
5/8"	•	•
21/32"	•	•
11/16"	•	•
23/32"	•	•
3/4"	•	•
25/32"	•	•
13/16"	•	•
27/32"	•	•
7/8"	•	•
29/32"		•
15/16"		•
31/32"		•
1"		•
1-1/32"		•
1-1/16"		•
1-3/32"		•
1-1/8"		•
1-5/32"		•
1-3/16"		•
1-7/32"		•
1-1/4"		•

	STOCK OBLONG PUNCHES							
А	SR20K	20	26	A	SR20K	20	26	
3/16" x 1"		•	•	17/32" x 1-1/4"		•	•	
7/32" x 7/16"		•		17/32" x 1-1/2"			•	
7/32" x 1"		•	•	9/16" x 3/4"		•	•	
1/4" x 1/2"		•	•	9/16" x 1"	•	•	•	
1/4" x 3/4"		•	•	9/16" x 1-1/16"		•	•	
1/4" x 1"		•	•	9/16" x 1-1/8"		•	•	
9/32" x 9/16"		•	•	9/16" x 1-1/4"		•	•	
9/32" x 3/4"	0	•	•	9/16" x 1-1/2"			•	
9/32" x 1"		•	•	5/8" x 1"	•	•	•	
5/16" x 1/2"		•	•	5/8" x 1-1/4"		•	•	
5/16" x 5/8"		•	•	5/8" x 1-1/2"			•	
5/16" x 3/4"	•	•	•	11/16" x 1"		•	•	
5/16" x 1"	•	•	•	11/16" x 1-1/16"		•	•	
5/16" x 1-1/16"		•	•	11/16" x 1-1/8"		•	•	
5/16" x 1-1/4"		•	•	11/16" x 1-1/4"		•	•	
5/16" x 1-1/2"			•	11/16" x 1-1/2"			•	
11/32" x 11/16"		•	•	3/4" x 1"		•	•	
11/32" x 1"		•	•	3/4" x 1-1/4"		•	•	
3/8" x 1/2"		•	•	3/4" x 1-1/2"			•	
3/8" x 3/4"	•	•	•	13/16" x 1"		•	•	
3/8" x 1"	•	•	•	13/16" x 1-1/16"		•	•	
3/8" x 1-1/4"		•	•	13/16" x 1-1/8"		•	•	
3/8" x 1-1/2"			•	13/16" x 1-1/4"		•	•	
13/32" x 13/16"		•	•	13/16" x 1-1/2"			•	
13/32" x 1"		•	•	7/8" x 1-1/4"		•	•	
13/32" x 1-1/4"		•	•	7/8" x 1-1/2"			•	
7/16" x 9/16"		•	•	15/16" x 1-1/16"		•	•	
7/16" x 3/4"	•	•	•	15/16" x 1-1/8"		•	•	
7/16" x 7/8"		•	•	15/16" x 1-1/4"		•	•	
7/16" x 1"	•	•	•	15/16" x 1-1/2"			•	
7/16" x 1-1/16"		•	•	15/16" x 1-9/16"		(•	
7/16" x 1-1/4"		•	•	1" x 1-1/4"		•	•	
7/16" x 1-1/2"			•	1" x 1-1/2"			•	
15/32" x 1"		•	•	1" x 1-9/16"			•	
1/2" x 3/4"	•	•	•	1-1/16" x 1-1/4"		•	•	
1/2" x 1"	•	•	•	1-1/16" x 1-5/16"			•	
1/2" x 1-1/16"		•	•	1-1/16" x 1-1/2"			•	
1/2" x 1-1/4"		•	•	1-1/16" x 1-9/16"			•	
1/2" x 1-1/2"			•	1-1/8" x 1-1/2"			•	
17/32" x 1"		•	•					

A36 MILD STEEL CLEARANCE		
MATERIAL THICKNESS	DIE CLEARANCE	
1/4" - 15/32"	1/32"	
1/2" - 23/32"	1/16"	
3/4" - 31/32"	3/32"	
1" and over	1/8"	

STOCK DIE CHARTS

Stock Round, Square, Hexagon, & Oblong Die Charts



STOCI	(ROUN	ID DIES	
А	155	59	65
5/32"	•	•	
3/16"	•	•	
7/32"	•	•	•
1/4"	•	•	•
9/32"	•	•	
5/16"	•	•	•
11/32"	•	•	
3/8"	•	•	•
13/32"	•	•	•
7/16"	•	•	•
15/32"	•	•	•
1/2"	•	•	•
17/32"	•	•	•
9/16"	•	•	•
19/32"	•	•	•
5/8"	•	•	•
21/32"	•	•	•
11/16"	•	•	•
23/32"	•	•	•
3/4"	•	•	
25/32"	•	•	•
13/16"	•	•	•
27/32"	•	•	•
7/8"	•	•	•
29/32"	•	•	•
15/16"		•	
	•	•	•
31/32" 1"	•	•	•
	•	•	•
1-1/32"	•	•	•
1-3/32"	•	•	•
1-3/32	•	•	•
		•	•
1-5/32"	•	•	•
1-3/16"	•	•	•
1-7/32"	•	•	•
1-1/4" 1-9/32"	•	•	•
	7/2///	7,000	
1-5/16"	•	•	•
1-11/32		•	•
1-13/32" 1-7/16"		•	•
1-7/16		,	•
1-15/32			•
			•
1-17/32" 1-9/16"			
1071707000			•
1-19/32"		11	•
1-5/8"			•

STOCK SQUARE DIES		
А	59	65
1/4"	•	
9/32"	•	
5/16"	•	
11/32"	•	
3/8"	•	
13/32"	•	
7/16"	•	
15/32"	•	•
1/2"	•	•
17/32"	•	
9/16"	•	•
19/32"	•	
5/8"	•	•
21/32"	•	
11/16"	•	•
23/32"	•	
3/4"	•	•
25/32"	•	
13/16"	•	•
27/32"	•	
7/8"	•	•
29/32"	•	
15/16"	•	•
1"	•	•
1-1/16"	•	•
1-3/32"		•
1-1/8"	•	•

STOCK HEX DIES		
А	59	
3/8"	•	
13/32"	•	
7/16"	•	
15/32"	•	
1/2"	•	
17/32"	•	
9/16"	•	
19/32"	•	
5/8"	•	
21/32"	•	
11/16"	•	
23/32"	•	
3/4"	•	
25/32"	•	
13/16"	•	
27/32"	•	
7/8"	•	
29/32"	•	
15/16"	•	

PEVMAY	e NOTO	LI ORTIO	NIC

Shaped punches & dies can be located with keyways or notches.

SINGLE KEYWAY CROSS KEYWAY







TWO NOTCHES

			LONG DIES	455	
A 7/22// 4 4/22//	155	59	A 40/22// 4 4/22//	155	59
7/32" x 1-1/32"		•	19/32" x 1-1/32"		•
1/4" x 15/32"		•	19/32" x 1-3/32"		•
1/4" x 1-1/32"		•	19/32" x 1-5/32"		•
9/32" x 17/32"		•	19/32" x 1-9/32"		•
9/32" x 25/32"		•	5/8" x 13/16"		•
9/32" x 1-1/32"		•	5/8" x 1-1/16"		•
5/16" x 19/32"		•	5/8" x 1-1/8"		•
5/16" x 25/32"		•	5/8" x 1-3/16"		•
5/16" x 1-1/32"		•	5/8" x 1-5/16"		•
11/32" x 17/32"		•	21/32" x 1-1/32" 21/32" x 1-9/32"	•	•
11/32" x 21/32"		•			•
11/32" x 25/32"		•	11/16" x 1-1/16"		•
11/32" x 1-1/32"	_		11/16" x 1-5/16"		
11/32" x 1-3/32"		•	23/32" x 1-1/32"		•
11/32" x 1-9/32" 3/8" x 23/32"		•	23/32" x 1-3/32" 23/32" x 1-5/32"		•
3/8" x 1-1/32"		•	23/32" x 1-9/32"		-
3/8" x 1-5/16"		•	3/4" x 1-1/16"		
13/32" x 17/32"			3/4" x 1-1/8"		
13/32" x 25/32"		•	3/4" x 1-3/16"		
13/32" x 1-1/32"		•	3/4" x 1-5/16"		•
13/32" x 1-9/32"		•	25/32" x 1-1/32"		•
7/16" x 27/32"		•	25/32" x 1-9/32"		•
7/16" x 1-1/32"		•	13/16" x 1-1/16"		•
7/16" x 1-9/32"		•	13/16" x 1-5/16"		•
15/32" x 19/32"		•	27/32" x 1-1/32"		•
15/32" x 25/32"	•	•	27/32" x 1-3/32"		•
15/32" x 29/32"		•	27/32" x 1-5/32"		•
15/32" x 1-1/32"	•	•	27/32" x 1-9/32"		•
15/32" x 1-3/32"		•	7/8" x 1-1/16"		•
15/32" x 1-9/32"		•	7/8" x 1-1/18"		•
1/2" x 1-1/32"		•	7/8" x 1-3/16"		•
1/2" x 1-1/16"		•	7/8" x 1-5/16"		•
1/2" x 1-5/16"		•	29/32" x 1-9/32"		•
17/32" x 25/32"	•	•	15/16" x 1-5/16"		•
17/32" x 1-1/32"	•	•	15/16" x 1-9/16"		•
17/32" x 1-3/32"	1996)1	•	31/32" x 1-3/32"		•
17/32" x 1-9/32"		•	31/32" x 1-5/32"		•
9/16" x 13/16"		•	31/32" x 1-9/32"		•
9/16" x 1-1/32"	•	•	1" x 1-1/8"		•
9/16" x 1-1/16"		•	1" x 1-3/16"		•
9/16" x 1-1/8"		•	1" x 1-5/16"		•
9/16" x 1-3/16"		•	1-1/32" x 1-9/32"		•
9/16" x 1-9/32"		•	1-1/16" x 1-5/16"		•
9/16" x 1-5/16"		•	1-3/32" x 1-9/32"		•
19/32" x 25/32"		•	1-1/8" x 1-5/16"		•



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