

Punches, Dies, & Shear Blades

FOR SUNRISE™ IRONWORKERS

- Call: 800-451-4342
- ₽ Fax: 800-451-6877
- Email: sales@clevelandpunch.com
- **Address:** 666 Pratt Street, Ravenna, OH 44266



THE CLEVELAND ADVANTAGES

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

ESTABLISHED 1880

THE WORLD LEADER IN THE TOOLING INDUSTRY

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

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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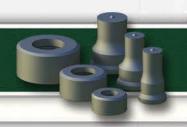
Punch Stems, Punches, Punch Bodies, Punch Reducers, Coupling Nuts, Punch Ends, & Dies

7 CUSTOM APPLICATIONS

Louver Tooling, Countersink, Pipe Notcher, Double Step, & Picket Tooling

PUNCH & DIE COMPANY

PUNCHES & DIES



Stock Tooling & Shape Options

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PUNCHES SUN30 SUN30XL* SUN40 SUN40XL* **SUN51*** - 1.375" → - 1.375" → 1.750" 1.750" 2.188" 1.181" -1.574" 1.574" 1.181" -2.000" 2.638" 2.638" 2.638" 3.937" 3.937"

Α	SUN30	SUN40
1/4"	•	
5/16"	•	
3/8"	•	Ĺ
7/16"	•	
1/2"	•	
9/16"	•:	
5/8"	•	
11/16"	•	
3/4"	•	C
13/16"	•	
7/8"	•	
15/16"	•	
1"	•	
1-1/16"	•	
1-1/8"	•	2:
1-3/16"		•
1-1/4"		•
1-5/16"		•
1-3/8"		•
1-7/16"		•
1-1/2"		•

* SUN30XL, SUN40XL, and SUN51 punches are made to order.



* SUN80 dies are made to order.

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.



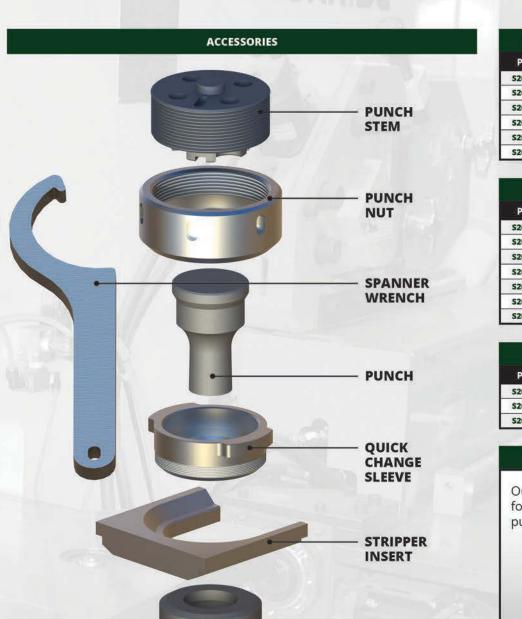
Α	SUN45	SUN60	
9/32"		301400	
Andrew Control	•		
11/32"	10.85		
13/32"	•		
15/32"	•		
17/32"	•		
19/32"	•		
21/32"	•		
23/32"	•		
25/32"	•		
27/32"	•		
29/32"	•		
31/32"	•		
1-1/32"	•		
1-3/32"	•		
1-5/32"	•		
1-7/32"		•	
1-9/32"		•	
1-11/32"		•	
1-13/32"		•	
1-15/32"		•	
1-17/32"		•	



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.

ACCESSORIES

Punch Stems, Punch Nuts, Wrenches, Quick Change Sleeves, Stripper Inserts, Die Reducers, & Punch-Easy®



Ask About Hardware For Your Sunrise™Ironworker.

SINGLE CYLINDER & K-SERIES MACHINES		
PART# D	DESCRIPTION	
S20S0005	PUNCH STEM	
S20C0003	PUNCH NUT	
S20A0014	SPANNER WRENCH	
S20Q0001	SUN30 QUICK CHANGE SLEEVE	
S20Q0002	SUN40 QUICK CHANGE SLEEVE	
S20R0001	60MM TO 45MM DIE REDUCER	

DUAL CYLINDER & PM-SERIES MACHINES				
PART#	DESCRIPTION			
S20S0007	PUNCH STEM			
520C0001	PUNCH NUT			
S20A0015	SPANNER WRENCH			
S20Q0006	SUN30 QUICK CHANGE SLEEVE			
S20Q0007	SUN40 QUICK CHANGE SLEEVE			
S20Q0008	SUN51 QUICK CHANGE SLEEVE			
S20R0003	80MM TO 60MM DIE REDUCER			

ALL MACHINES		
PART#	DESCRIPTION	
S20A0001	3/4" STRIPPER INSERT	
S20A0002	1-5/8" STRIPPER INSERT	
S20A0003	2" STRIPPER INSERT	



DIE

DIE

REDUCER

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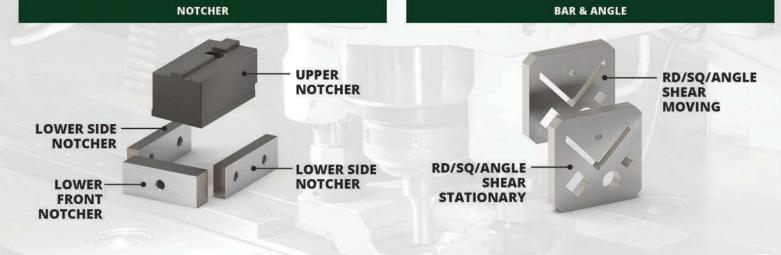
SHEAR BLADES

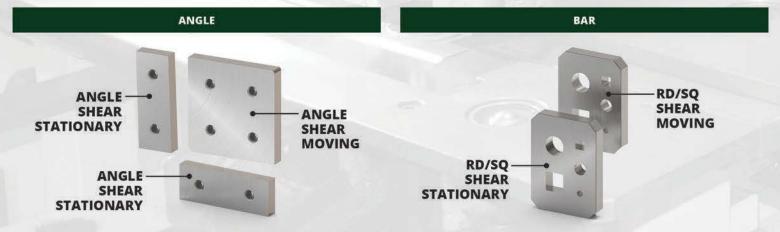
Flat Bars, Notchers, Angles, & Bars

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FLAT BAR **UPPER** FLAT BAR 9 9 LOWER **FLAT BAR**





SHEAR BLADES

For K-Series, Single Cylinder, & Dual Cylinder Machines

	SINGL	SINGLE CYLINDER MACHINES			K-SERIES MACHINES		
BLADES	IW-45M/50M	IW-50A/55A	IW-60H/66H	IW-45K/50K	IW-60K/66K	IW-85KD/95KD	
FLAT BAR							
UPPER FLAT BAR	S20B0004	S20B0013	S20B0011	S20B0013	S20B0027	S20B0062	
LOWER FLAT BAR	S20B0003	S20B0014	S20B0010	S20B0014	S20B0003	S20B0061	
NOTCHER						1001	
UPPER NOTCHER	S20B0047	S20B0034	S20B0034	S20B0047	S20B0047	S20B0039	
LOWER SIDE NOTCHER (2)	S20B0008	S20B0008	S20B0008	S20B0008	S20B0008	S20B0008	
LOWER FRONT NOTCHER	S20B0009	S20B0009	S20B0009	S20B0009	S20B0009	S20B0020	
BAR & ANGLE						700	
RD/SQ/ANGLE SHEAR MOVING	2	0.00		S20B0015	S20B0054	S20B0064	
RD/SQ/ANGLE SHEAR STATIONARY		⊘± :		S20B0016	S20B0053	S20B0063	
ANGLE		,			-		
ANGLE SHEAR MOVING	S20B0001	S20B0076	S20B0080	()). S		
ANGLE SHEAR STATIONARY (2)	S20B0002	S20B0077	S20B0081	*)	749	:: <u></u>	
BAR							
RD/SQ SHEAR MOVING	S20B0005	S20B0078	S20B0082	*	5.91		
RD/SQ SHEAR STATIONARY	S20B0006	S20B0079	\$20B0083		(#)		

	DUAL CYLINDER MACHINES						
BLADES	IW-60S/66S IW-60SD/66SD	IW-80S/88S IW-80SD/88SD	IW-100S/110S IW-100SD/110SD	IW-125S/135S IW-125SD/135SD	IW-165S/185S IW-165SD/185SD		
FLAT BAR		No.	V		.		
UPPER FLAT BAR	S20B0011	S20B0018	S20B0024	S20B0024	S20B0044		
LOWER FLAT BAR	S20B0010	S20B0017	S20B0022	S20B0022	S20B0043		
NOTCHER		*************************************	*	n			
UPPER NOTCHER	S20B0034	520B0034	S20B0039	S20B0039	S20B0039		
LOWER SIDE NOTCHER (2)	S20B0008	S20B0008	S20B0008	S20B0008	S20B0008		
LOWER FRONT NOTCHER	S20B0009	S20B0009	S20B0020	S20B0020	S20B0020		
BAR & ANGLE		***		ñ 			
RD/SQ/ANGLE SHEAR MOVING	÷	ě	16.	8			
RD/SQ/ANGLE SHEAR STATIONARY	2	22	125	2	1.6 <u>¥</u> .1		
ANGLE	*	60			*************************************		
ANGLE SHEAR MOVING	S20B0031	S20B0036	S20B0036	S20B0036	S20B0042		
ANGLE SHEAR STATIONARY (2)	S20B0030	520B0035	S20B0035	S20B0035	S20B0026		
BAR		**************************************					
RD/SQ SHEAR MOVING	S20B0059	S20B0033	S20B0033	S20B0041	S20B0046		
RD/SQ SHEAR STATIONARY	S20B0058	S20B0032	S20B0032	S20B0040	S20B0045		

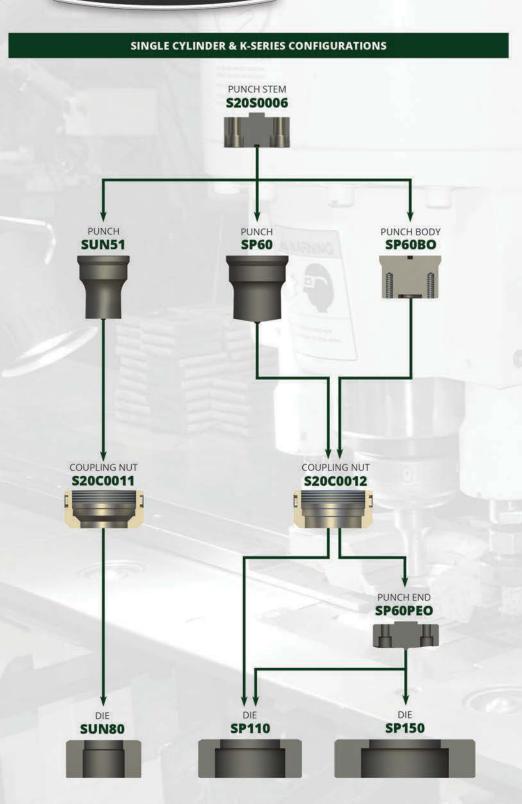
Optional Channel and I-Beam Shear Blades Are Available Upon Request.



OVERSIZE TOOLING

For Single Cylinder & K-Series Machines

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PART#	DESCRIPTION	MAX SIZI
S20S0006	PUNCH STEM	
SUN51	PUNCH	2.008"
SP60	PUNCH	2.362"
SP60BO	PUNCH BODY	2
S20C0011	COUPLING NUT	3
S20C0012	COUPLING NUT	
SP60PEO	PUNCH END	3.937"
SUN80	DIE	2.075"
SP110	DIE	3.197"
SP150	DIE	4.378"

PART#	DESCRIPTION	MAX SIZE
\$20\$0008	PUNCH STEM	-
SP60	PUNCH	2.362"
SP70	PUNCH	2.756"
SP80	PUNCH	3.150"
SP90	PUNCH	3.543"
SP100	PUNCH	3.937"
SP100BOS	PUNCH BODY	s
S20R0010	PUNCH REDUCER	2
520R0011	PUNCH REDUCER	
520R0012	PUNCH REDUCER	* a
S20C0006	COUPLING NUT	0.
S20C0010	COUPLING NUT	
SP100PEO	PUNCH END	7.874"
SP110	DIE	3.197"
SP150	DIE	4.378"
SP200	DIE	6.346"
SP250	DIE	7.921"

OVERSIZE TOOLING

The oversize attachment allows for punching sizes greater than the standard machine capability.

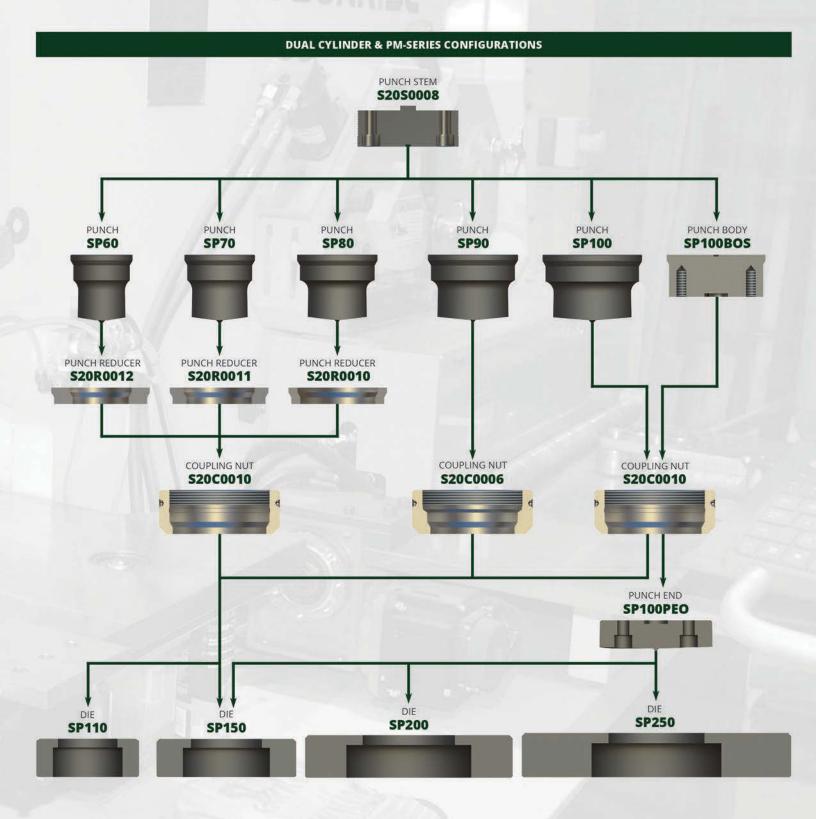
Cleveland Punch & Die manufactures all the oversize accessories for single cylinder and dual cylinder Sunrise™ Ironworkers.

Oversize tooling is made to order.

OVERSIZE TOOLING

For Dual Cylinder & PM-Series Machines





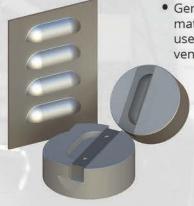
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CUSTOM APPLICATIONS

Louver Tooling, Countersink, Pipe Notcher, Double Step, & Picket Tooling

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LOUVER TOOLING



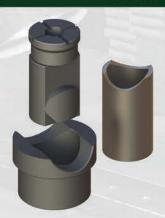
 Generate an angled slat in material most commonly used to allow for air ventilation.

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.

DUAL PIPE/TUBE NOTCHER



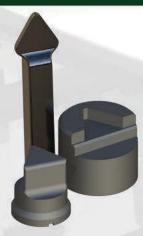
- Used to notch the end of pipe or tubing in preparation for fitting and welding.
- Dual pipe notchers can be designed for notching two different sizes of pipe or tube.

DOUBLE STEP



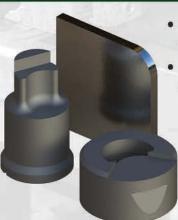
- Punch holes close to the inside leg of angle iron or channel.
- Please provide angle, channel, or I-beam specifications along with hole location when ordering.

PICKET TOOLING



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

CORNER RADIUS



- Generate a specified radius on the corner of material.
- Eliminates the need to grind sharp corners.

CUSTOM APPLICATIONS



Corner Radius, Keyhole Tooling, Lattice Bar, Offset, Bevel, & Bevel Serrated Dies, & Ripping Punch

KEYHOLE TOOLING



- 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

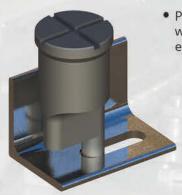


OFFSET, BEVEL, & BEVEL SERRATED DIES



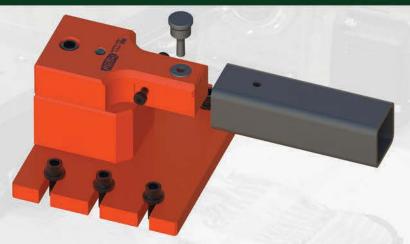
- Offset dies are used to generate holes close to the inside leg of angle iron, I-beam, and channel.
- Plain bevel dies are recommended when punching material that does not have a uniform thickness.
- Bevel serrated dies are used to grip material that tends to slip when using plain bevel dies.

RIPPING PUNCH



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

CUSTOM APPLICATIONS



Our experienced team of engineers will work with you to design and build the best custom application on the market. It is our goal to increase your efficiency and maximize your machine's potential.

Contact us by phone, email, or online chat to begin the design of your custom project.



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Be a Part of Our Industry's Largest Online Community

Our Instagram, Facebook, and YouTube pages are full of valuable information on how to fully utilize your punching machine. While you're there, share your work and develop new relationships with others like yourself.

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