



# SALVAGNINI TOOLING SOLUTIONS

*Standards, Specials and Accessories*





# THE WILSON TOOL DIFFERENCE



## COMPANY OVERVIEW

From humble beginnings in a small manufacturing facility in St. Paul, Minnesota, Wilson Tool International has added innovation, tooling divisions, manufacturing facilities and sales channels around the world to better serve thousands of global customers. Throughout our expansion, our mission has never wavered — we continue to offer products and services that help you, our customers, to be more successful.

Innovation is key at Wilson Tool International. It's true what they say: no two jobs are the same. In manufacturing, change is the only constant. So working with a press brake tooling supplier that's flexible, nimble and knowledgeable is important.

Wilson Tool International continues to invest in your success. We now have more than 50 sales engineers in North America available to answer questions and suggest innovative solutions to save you time and money.

And be assured, with every order, you'll always get our quality guarantee: *Your success is our priority. If you're ever unsatisfied with a Wilson Tool International product, we'll do everything we can to make it right and keep you up and running.*

From all of us at Wilson Tool International, thank you for the trust you have placed in us to provide you with the products and services that support your business. We look forward to our partnership in the future.

Sincerely,  
Brian Robinson  
CEO of Wilson Tool Enterprises



A close-up photograph of several metal strips, likely made of steel, stacked on top of each other. Each strip has a circular hole punched through it. The metal shows signs of wear, including rust and blue paint residue. The word 'Contents' is overlaid in large white text on the bottom left of the image.

# Contents

## SALVAGNINI-STYLE

# 6

- 6 **EXP® Technology**
- 8 33 mm Punches, Strippers and Dies
- 10 60mm Punches, Strippers and Dies
- 11 Large Station Punches, Strippers and Dies

## REFERENCE

# 14

- 14 Shear Options
- 15 Coatings

## SPECIALS

# 16

- 16 Special Shapes

## ACCESSORIES

# 22

- 22 XSharp™ Grinder
- 23 Lubricants
- 23 Tool Maintenance
- 24 Hand Tools
- 24 Measurement Equipment

*Prices and product availability are subject to change without notice.*

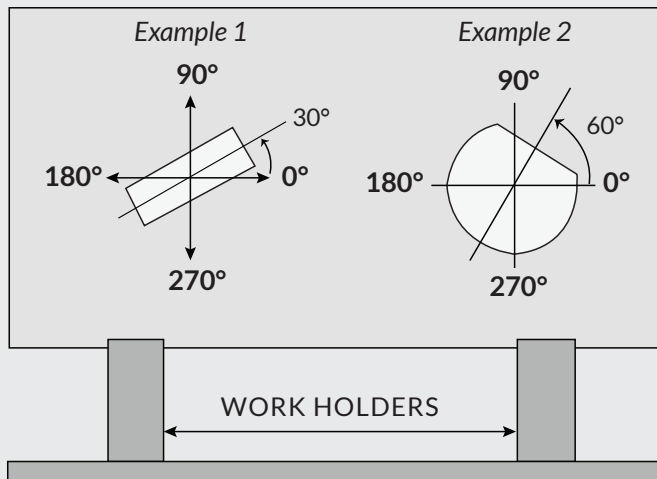
## TOOLING OVERVIEW

HEAD POSITION	TOOL TYPE	STATION	SIZE RANGE	NOTES
1 - 20 and 41 - 76 [7 Tons]	WPA	33mm	.031 - .236 [.79 - 6mm]	Round Only
	WP0	33mm	.031 - .394 [.79 - 10mm]	Fully Guided
	WPB	33mm	.237 - .413 [6 - 10.5mm]	Round Only
	WP9	33mm	Up to 1.023 [26mm]	Fully Guided
	WS4	33mm	Up to 1.300 [33mm]	
30 - 35 [12 Tons]	WP5	60mm	Up to 1.669 [42.4mm]	Rotational
	WS6	60mm	Up to 2.362 [60mm]	Rotational
21 - 24 [26 Tons]	WS8	70 x 90mm	2.755 x 3.543 [70 x 90mm]	Type 70
	WS9	70 x 90mm	2.755 x 3.543 [70 x 90mm]	Type 90
	WSA	90 x 90mm	3.543 x 3.543 [90 x 90mm]	Type 90

Wilson Tool types are compatible with Salvagnini S4, S6, S8, S9, SA, P0, P9, P5 and Mate tool types PA and PB
























## TOOLING ORIENTATION

FRONT OF PRESS



Note: Please refer to non-standard key locations by the following method:

- Example 1: Shape at 30°
- Example 2: Shape at 60°

	STANDARD SHAPE					DIE VIEW				
0°										
90°										
180°										
270°										



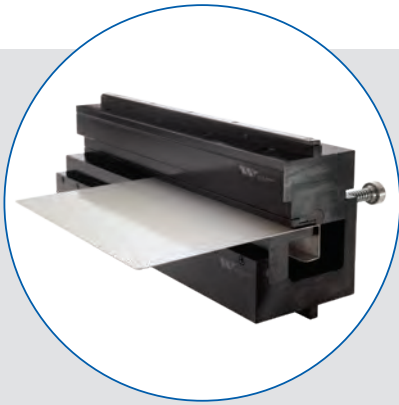
## PUNCHING

**Wilson Tool's Punching division continues to drive the industry with new levels of quality, delivery, service and innovation.**

From the early days of Series 80 tooling to the Wilson Wheel® to innovative EXP® technology, our punching division has been the industry-leading innovation driver. When combined with the most experienced customer support professionals in the industry, Wilson Tool continues to raise the bar on performance and innovation. Thick turret, TRUMPF-style, Salvagnini-style, or any other style of punch press you may be using, Wilson Tool offers the most complete line of tooling solutions available today.



TRUMPF is a trademark of TRUMPF GmbH + Co. KG.



## BENDING

**Wilson Tool's Bending division delivers the most complete line of tooling and clamping solutions available anywhere. Period.**

Whether you use American, European, WT-style or LVD-style precision tooling or conventional style tooling, Wilson Tool has a solution for you. Our clamping options cover these styles as well. With hydraulic push button options, quick release mechanical options, or standard manual clamps, Wilson Tool has a clamping solution for any style of machine or budget. And our custom tooling manufacturing capabilities have quickly become the envy of the industry with innovative solutions for very complex bending challenges. With manufacturing facilities located in the USA and Canada, our delivery times to North American fabricators are the fastest in the industry.

## STAMPING

**Wilson Tool's Stamping division (aka Impax Tooling Solutions®) offers high quality punch and die components for the stamping industry.**

Innovative products such as our HP Accu-Lock® retainer inserts and extensive coating options, combined with our world-class customer service, have enabled us to quickly grow into a world-class provider. With a direct sales force throughout North America, we deliver products straight from the factory to you, enabling the fastest deliveries in the industry. Our custom tooling expertise is second to none with many customers coming to us for their most difficult stamping challenges.



## TABLETING

**Wilson Tool's Tableting division delivers standard and custom tooling for superior production capability by utilizing the latest innovations in tableting science.**

Wilson Tool's punches and dies for the pharmaceutical, nutraceutical, confectionery and related industries provide the best tooling per application. We collaborate with you to create the punch and die most suited to meet the specific needs of your tableting application.



## ACCESSORIES

Whether you need tooling storage systems, grinders, urethane rolls, hand tools or other types of related supplies, our accessory products offer a wide range of solutions to help you be more productive, organized and efficient.



## EXP® TECHNOLOGY

### Time-tested.

In 2011, Wilson Tool introduced the industry's first quick-change punch tip technology, making EXP® the proven choice for your tooling needs. Since then, thousands of satisfied users have converted to EXP technology and continue to reap the savings and benefits of this efficient technology.

### Longer-lasting Punches.

Every EXP punch is manufactured with Wilson Tool's exclusive Ultima® premium tool steel to increase wear resistance. As a result, EXP punches have twice the tool life as most standard punches. With up to twice as long between regrinds, EXP punches made with Ultima tool steel substantially reduce downtime and tool replacement costs.

### Faster Tool Changes.

Loading EXP is as easy as inserting the punch tip into the punch holder, then turning the key to lock it in place. Switching from one punch to the next can be done in seconds, significantly reducing downtime.

### Storage Savings.

A fraction of the size of standard punches, EXP punches give you the flexibility to stock more shapes, using less space for storage.

### Universal Design.

EXP punches offer greater flexibility because they fit into multiple styles of tooling, allowing you to enjoy the ease, speed and durability of EXP for all your punch tooling needs.



EXP® punches shown



## NOTES

### Grind Life for EXP®:

Punches can be resharpened .157" [4mm]

Dies can be resharpened .060" [1.5mm]

## H3 HEAD

	30	31	32	33	34	35
24 90 x 90	76	68	60	56	52	48
	75	67	59	55	51	47
23 70 x 90	74	66	58	54	50	46
	73	65	57	53	49	45
22 70 x 90	72	64	20	16	12	8
	71	63	19	15	11	7
21 90 x 90	70	62	18	14	10	6
	69	61	17	13	9	5

## HEAD POSITIONS

1-20, 41-76 7 TON

DESCRIPTION	CAT. NO.	PRICE
Punch Holder	17712	
Punch - Round	17916	
Punch - Shape	17917	
Optima® Add-On		
Stripper Round <sup>†</sup>	17502	
Stripper - Shape	17503	
Die - Round	17504	
Die - Round Slug Hugger®*	17604	
Die - Shape	17505	
Die - Shape Slug Hugger®*	17605	
Die Shim Pack	17602	

<sup>†</sup>Round strippers available up to 1.378" (35mm) diameter.  
 \* Slug Hugger dies must be ordered punch size plus clearance.  
 Size restrictions apply.



WPA



WPB



WS4

DESCRIPTION	WPA .031 - .236" [.79 - 6mm]	PRICE	WPB .237 - .413" [6 - 10.5mm]	PRICE
Punch Holder w/Locking Screw	17610		17612	
Punch Locking Screw	25212		25212	
Punch - Round	17611		17613	
Optima® Add-On				
Stripper - Round†	17502		17502	
Die - Round	17504		17504	
Die - Round Slug Hugger® 2	17604		17604	
Die Shim Pack *	17602		17602	
* Die Shim Pack includes: 5 each .004 [0.1mm] 3 each .008 [0.2mm] 2 each .012 [0.3mm]				

DESCRIPTION	WS4 Up to 1.30" [33mm]	PRICE
Punch - Round	17500	
Punch - Shape	17501	
Optima® Add-On		
Stripper - Round†	17502	
Stripper - Shape	17503	
Die - Round	17504	
Die - Round Slug Hugger® 2	17604	
Die - Shape	17505	
Die - Shape Slug Hugger® 2	17605	
Die Shim Pack*	17602	
* Die Shim Pack includes: 5 each .004 [0.1mm] 3 each .008 [0.2mm] 2 each .012 [0.3mm]		

## NOTES

### Grind Life for WPA, WPB, WS4:

Punches can be resharpened .157" [4mm]  
Dies can be resharpened .060" [1.5mm]










†Round strippers available up to 1.378" (35mm) diameter.

## H3 HEAD

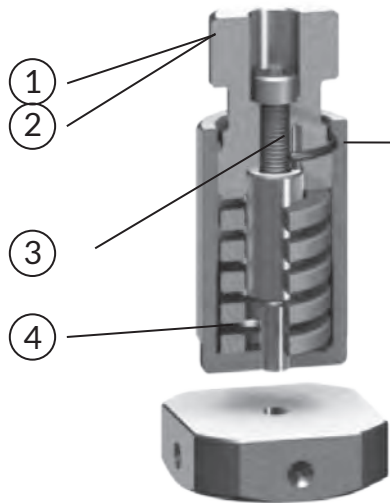
	30	31	32	33	34	35
24 90 x 90	76	68	60	56	52	48
	75	67	59	55	51	47
23 70 x 90	74	66	58	54	50	46
	73	65	57	53	49	45
22 70 x 90	72	64	20	16	12	8
	71	63	19	15	11	7
21 90 x 90	70	62	18	14	10	6
	69	61	17	13	9	5

## HEAD POSITIONS

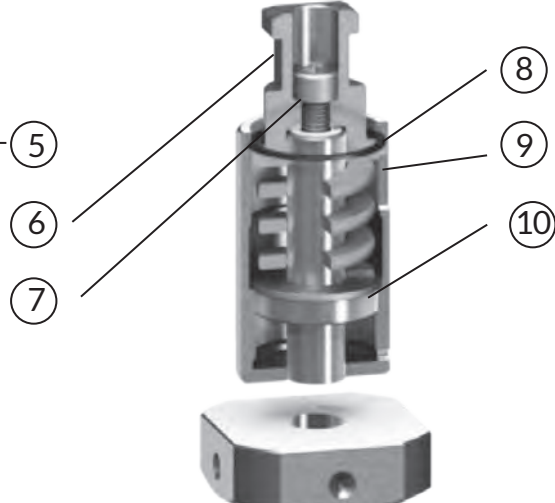
1-20, 41-76 7 TON

	STANDARD SHAPE						DIE VIEW		
0°									
90°									
180°									
270°									





WPO



WP9

DESCRIPTION	WPO .031 - .394" [.79 - 10mm]	PRICE
Punch Assembly - Round	17510	
Punch Assembly - Shape	17511	
Punch - Round	17512	
Punch - Shape	17513	
Optima® Add-On		
Stripping Guide - Round	17514	
Stripping Guide - Shape	17515	
Die - Round	17504	
Die - Round Slug Hugger® 2	17604	
Die - Shape	17505	
Die - Shape Slug Hugger® 2	17605	
Die Shim Pack *	17602	
1 Punch Holder - Round	17516	
2 Punch Holder - Shaped	17517	
3 Socket Head Cap Screw	6409	
4 Spring	980644	
5 Retaining Ring	980572	
* Die Shim Pack includes: 5 each .004 [0.1mm] 3 each .008 [0.2mm] 2 each .012 [0.3mm]		

DESCRIPTION	WP9 Up to 1.023" [26mm]	PRICE
Punch Assembly - Round	17529	
Punch Assembly - Shape	17521	
Punch - Round	17522	
Punch - Shape	17523	
Optima® Add-On		
Stripping Guide - Round	17524	
Stripping Guide - Shape	17525	
Die - Round	17504	
Die - Round Slug Hugger® 2	17604	
Die - Shape	17505	
Die - Shape Slug Hugger® 2	17605	
Die Shim Pack *	17602	
6 Punch Holder	17526	
7 Socket Head Cap Screw	6416	
8 Retaining Ring	17528	
9 Spring	6241	
10 Spring Support Washer	17527	
* Die Shim Pack includes: 5 each .004 [0.1mm] 3 each .008 [0.2mm] 2 each .012 [0.3mm]		

## NOTES

### Grind Life for WPO:

Punches can be resharpened .060" [1.5mm]  
Dies can be resharpened .060" [1.5mm]

### Grind Life for WP9:

Punches can be resharpened .118" [3mm]  
Dies can be resharpened .060" [1.5mm]

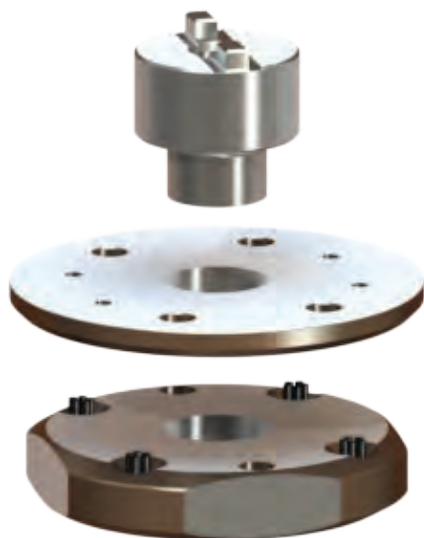
## STANDARD SHAPE DIE VIEW

	0°	90°	180°	270°
24 90 x 90				
23 70 x 90				
22 70 x 90				
21 90 x 90				

## H3 HEAD

	30	31	32	33	34	35
24 90 x 90	76	68	60	56	52	48
23 70 x 90	74	66	58	54	50	46
22 70 x 90	72	64	56	52	48	44
21 90 x 90	70	62	54	50	46	42
	69	61	53	49	45	41
	67	59	51	47	43	39
	65	57	49	45	41	37
	63	55	47	43	39	35
	61	53	45	41	37	33
	59	51	43	39	35	31
	57	49	41	37	33	29
	55	47	39	35	31	27
	53	45	37	33	29	25
	51	43	35	31	27	23
	49	41	33	29	25	21
	47	39	31	27	23	19
	45	37	29	25	21	17
	43	35	27	23	19	15
	41	33	25	21	17	13
	39	31	23	19	15	11
	37	29	21	17	13	9
	35	27	19	15	11	7
	33	25	17	13	9	5
	31	23	15	11	7	3
	29	21	13	9	5	1

HEAD POSITIONS  
1-20, 41-76 7 TON



WP5



WS6

DESCRIPTION	WP5 Up to 1.669" [42.4mm]	PRICE	WS6 Up to 2.362" [60mm]	PRICE
Punch - Round	17532		17542	
Punch - Shape	17533		17543	
Optima® Add-On				
Stripper - Round	17534		17544	
Stripper - Shape	17535		17545	
Die - Round	17536		17536	
Die - Round Slug Hugger® 2	17636		17636	
Die - Shape	17537		17537	
Die - Shape Slug Hugger® 2	17637		17637	
*Die Brush [8mm]	17601		17601	

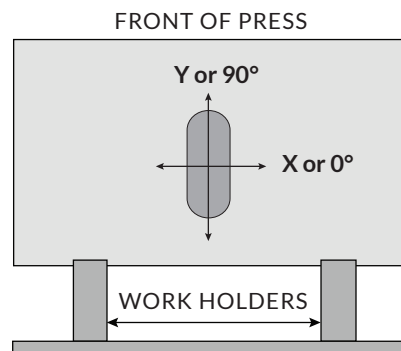
\* Dies come with brushes installed.

## NOTES

### Grind Life for WP5, WS6:

Punches can be resharpened .157" [4mm]

Dies can be resharpened .060" [1.5mm]













## H3 HEAD

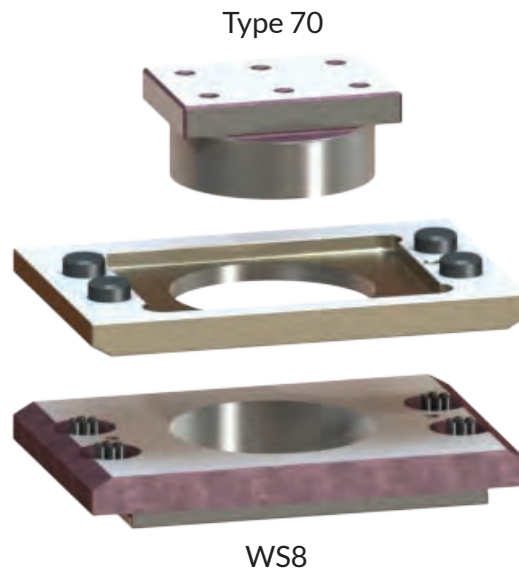
	30	31	32	33	34	35
24 90 x 90	76	68	60	56	52	48
	75	67	59	55	51	47
23 70 x 90	74	66	58	54	50	46
	73	65	57	53	49	45
22 70 x 90	72	64	20	16	12	8
	71	63	19	15	11	7
21 90 x 90	70	62	18	14	10	6
	69	61	17	13	9	5

## HEAD POSITIONS

30 - 35 12 TON

	STANDARD SHAPE						DIE VIEW			
0°										
90°										
180°										
270°										

When ordering you must specify orientation if the shape is other than a round or square.



NOTES
<b>Grind Life for WS8</b> Punches can be resharpened .157" [4mm] Dies can be resharpened .060" [1.5mm]
<b>Slug retention options available upon request.</b>

TYPE 70	WS8 2.755 x 3.543 [70 x 90mm]	PRICE
Punch - Round	17562	
Punch - Shapes	17563	
Optima® Add-On		
Stripper - Round	17564	
Stripper - Shapes	17565	
Die - Round	17566	
Die - Round Slug Hugger® 2	17666	
Die - Shape	17567	
Die - Shape Slug Hugger® 2	17667	
Large Brush [13mm]	17600	
* Die and Strippers come with brushes installed.		

	STANDARD SHAPE					DIE VIEW				
0°										
90°										
180°										
270°										

## TYPE 70

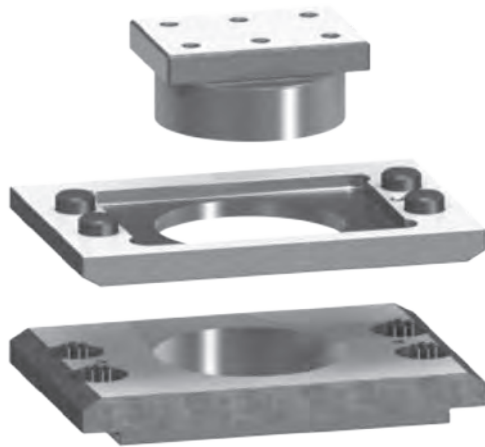
	30	31	32	33	34	35	
24 70 x 90	76	68	60	56	52	48	44
23 70 x 90	75	67	59	55	51	47	43
22 70 x 90	74	66	58	54	50	46	42
21 70 x 90	73	65	57	53	49	45	41
20 70 x 90	72	64	20	16	12	8	4
19 70 x 90	71	63	19	15	11	7	3
18 70 x 90	70	62	18	14	10	6	2
17 70 x 90	69	61	17	13	9	5	1

## HEAD POSITIONS 21-24 26 TON

Verify what stations are in the cartridge.



Type 90  
70 x 90



WS9

Type 90  
90 x 90



WSA

TYPE 90	WS9 2.755 x 3.543 [70 x 90mm]	PRICE	WSA 3.543 x 3.543 [90 x 90mm]	PRICE
Punch - Round	17562		17582	
Punch - Shapes	17563		17583	
Optima Add-On				
Stripper - Round	17574		17584	
Stripper - Shapes	17575		17585	
Die - Round	17576		17586	
Die - Round Slug Hugger® 2	17676		17686	
Die - Shape	17577		17587	
Die - Shape Slug Hugger® 2	17677		17687	
Large Brush [13mm]	17600		17600	

\* Die and Strippers come with brushes installed.

## NOTES

### Grind Life for WS9 & WSA

Punches can be resharpened .157" [4mm]

Dies can be resharpened .060" [1.5mm]

Slug retention options available upon request.
























## TYPE 90

	30	31	32	33	34	35
24 90 x 90	76	68	60	56	52	48
23 70 x 90	75	67	59	55	51	47
22 70 x 90	74	66	58	54	50	46
21 90 x 90	73	65	57	53	49	45
	72	64	20	16	12	8
	71	63	19	15	11	7
	70	62	18	14	10	6
	69	61	17	13	9	5

## HEAD POSITIONS

21-24 26 TON

Verify what stations are  
in the cartridge.

	STANDARD SHAPE								DIE VIEW		
0°											
90°											
180°											
270°											

# ULTIMA® PREMIUM TOOL STEEL IMPROVES DURABILITY AND PERFORMANCE

Available exclusively from Wilson Tool, this advanced steel is engineered to increase wear resistance by up to an astounding 100% over conventional tool steels.

## A New Level of Performance

Ultima® punches and dies set a new benchmark for durability and performance, dramatically improving tool life when punching materials that are abrasive or have a high tensile strength. Ultima excels in applications where ordinary punches wear quickly and it is ideal for long-run jobs. It significantly reduces micro chipping, where cutting edge failure most often begins.

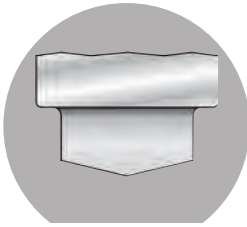
## Remarkable Downtime Reductions

With up to twice as long between regrinds, Ultima punches and dies substantially reduce downtime and tool replacement costs. Breaking, chipping, cracking, tool fatigue and other problems are minimized, providing long-term gains in productivity and profitability.

Ultima premium steel punches and dies are especially useful for the toughest applications, but are effective for any job.

*\* Maintenance and sharpening may differ from traditional tooling.  
Check with your sales engineer or contact our tooling technicians..*





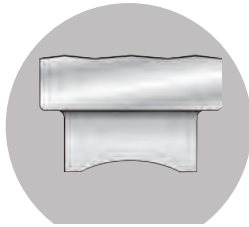
ROOFTOP



Best shear for punching at maximum tonnages.



When nibbling, bite must be 75% of punch dimension or excessive side loading will result.



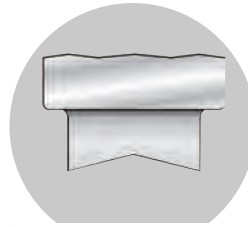
CONCAVE OR  
DOUBLE CONCAVE



Best shear for nibbling because it inverts stresses.



Less resistant to breakage when punching at high tonnages because of inverted stresses.



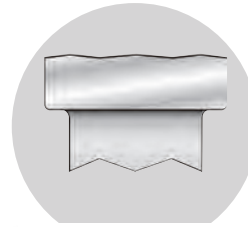
INVERTED  
ROOFTOP



Good shear for nibbling because it inverts stresses.



More susceptible to breakage because of a sharp focal point for stresses — use great care.



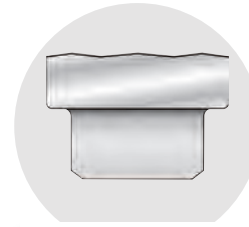
DOUBLE VALLEY



Best shear for nibbling when shape is long and narrow.



Less resistant to breakage when punching at high tonnages because of inverted stresses.



JK SHEAR



A special shear that allows you to punch high strength materials with a reduced risk of breakage.



Can only be used on punches up to 1.000" (25.4mm) diameter or 'A' dimension.



# WILSON TOOL INTERNATIONAL OFFERS UNIQUE COATINGS TO INCREASE THE LIFE OF YOUR PUNCHES

## Wearbeater™

Wilson Tool's exclusive Wearbeater coating is a titanium nitride (TiN) coating that helps reduce galling and extends punch life in certain applications.

.....



## Optima®

Developed by Wilson Tool engineers in our state-of-the-art coating facility, our revolutionary Optima coating provides significantly longer tool life, more hits between sharpenings, reduced galling, better performance and less downtime. With a surface hardness of 95 Rockwell C, Optima far exceeds the hardness levels that can be achieved with conventional tool steels. It resists galling in stainless and galvanized steel and is unaffected by sharpening. Optima coating will outlast untreated tools by as much as 5-7 times.

.....



## Nitrex®

Our exclusive Nitrex high endurance surface enhancement increases punch press tooling life by several times that of ordinary tooling. Wilson Tool's patented process provides a surface hardness of HRC-70, increasing long-term durability. Nitrex is also very effective in reducing punch wear and galling when piercing galvanized materials.

.....



## Slip-Max®

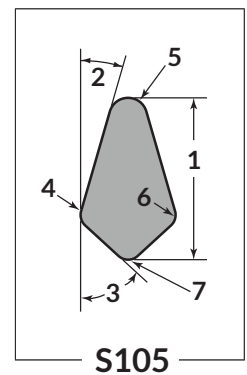
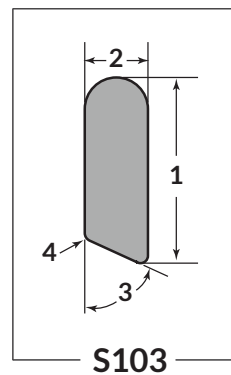
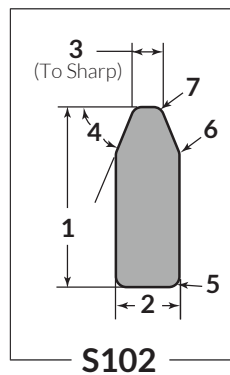
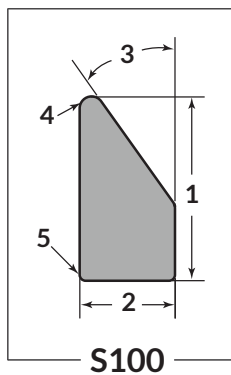
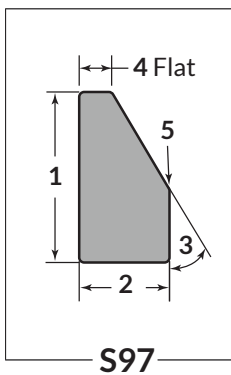
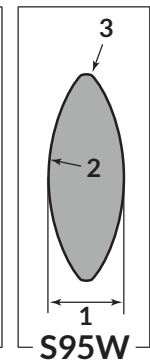
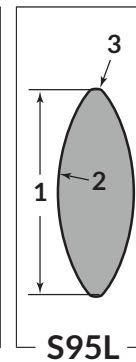
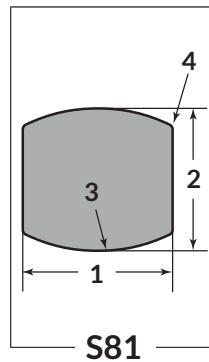
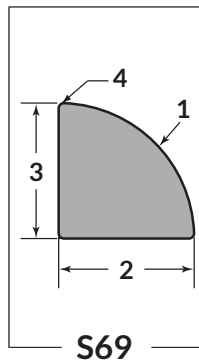
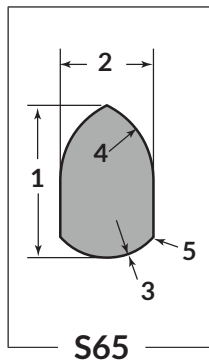
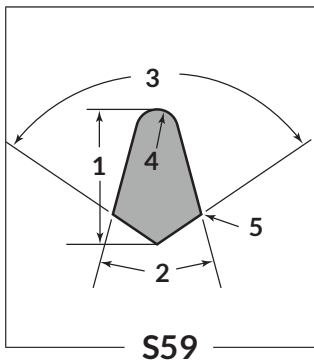
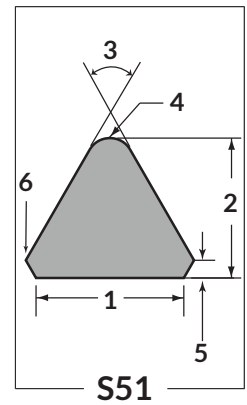
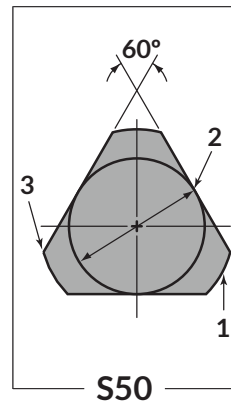
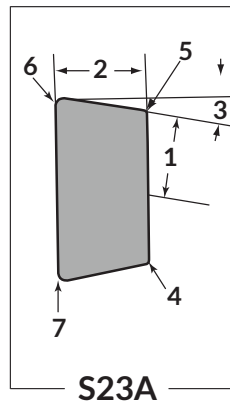
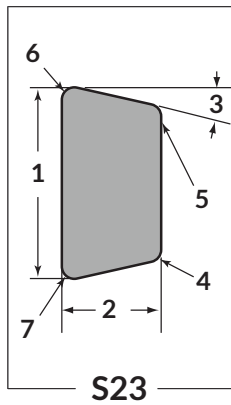
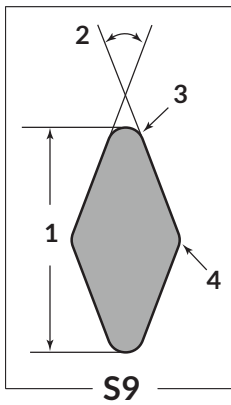
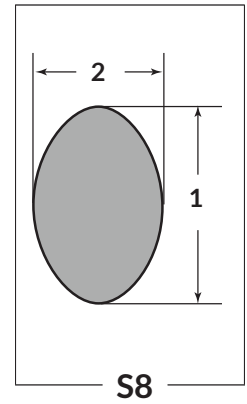
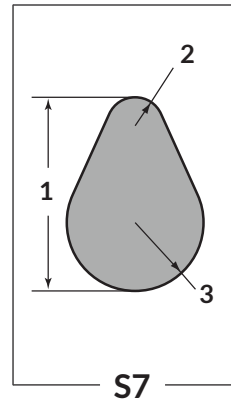
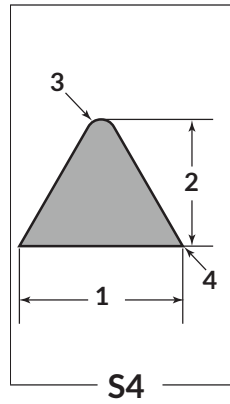
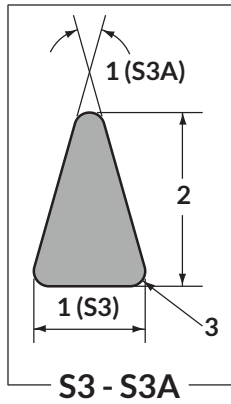
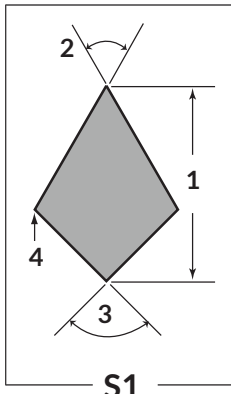
Available only from Wilson Tool, our Slip-Max coating has proven effective in some very tough punching and forming applications. The combination of its hardness and lubricity greatly increases punch life and reduces galling when piercing aluminum. Slip-Max is also very effective in resolving even the most challenging stripping problems with punching or forming stainless steel and aluminum.

.....



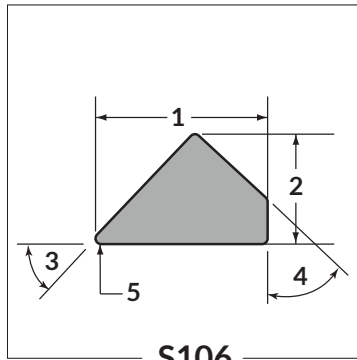
COATING RECOMMENDATION BY APPLICATION	WEARBEATER	OPTIMA	NITREX	SLIP-MAX
Punch wear piercing varied materials	●	★		
Punch or die wear piercing stainless steel	●	★		
Punch wear piercing galvanized	●	▲	★	
Punch or die wear piercing aluminum	●		▲	★
Galling on punch in stainless steel	●	▲		
Galling on punch in galvanized	●	▲	★	
Galling on punch in aluminum	●		▲	★
Stripping problems when forming in stainless steel	●		▲	★
Stripping problems when forming in aluminum	●			★
Stripping problems when piercing in stainless steel	●	★		
Stripping problems when piercing in aluminum	●		▲	★
● GOOD      ▲ BETTER      ★ BEST				

## GROUP 'A'

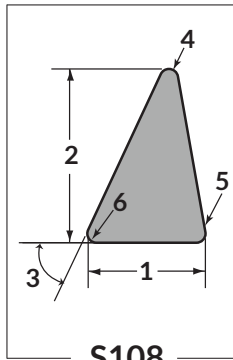


NOTE: Special considerations may alter price and lead time.

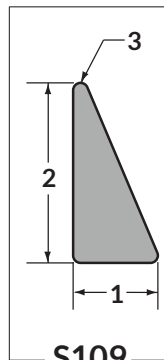
## GROUP 'A'



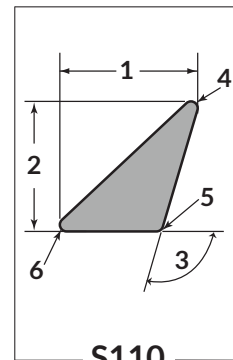
S106



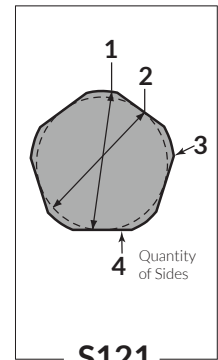
S108



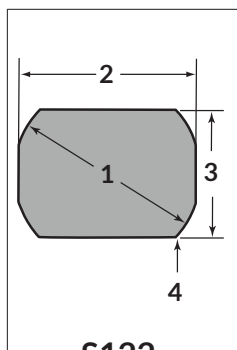
S109



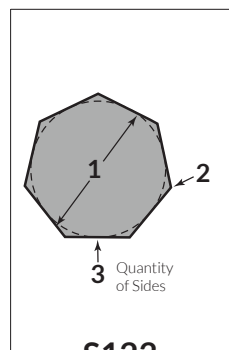
S110



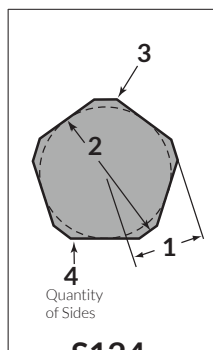
S121



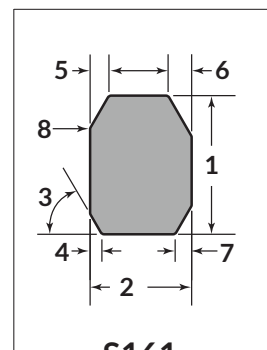
S122



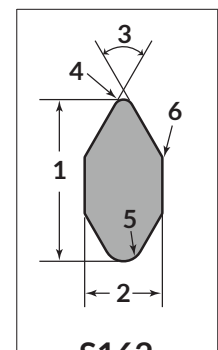
S123



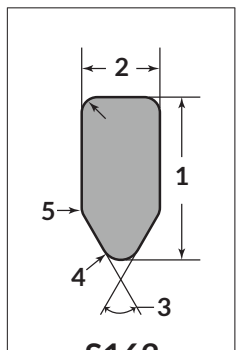
S124



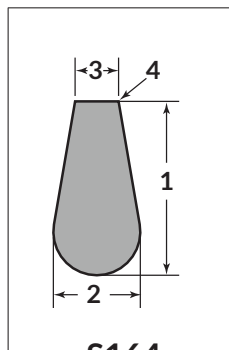
S161



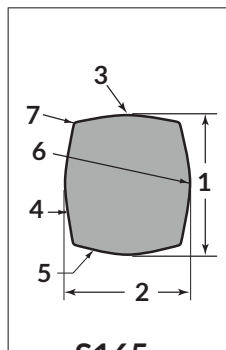
S162



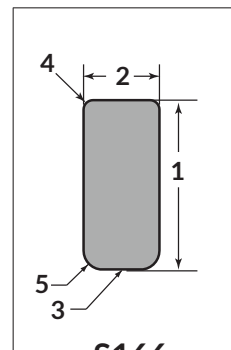
S163



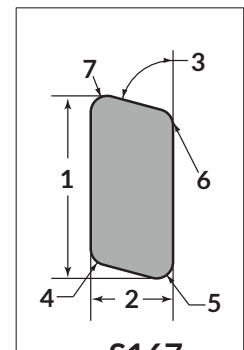
S164



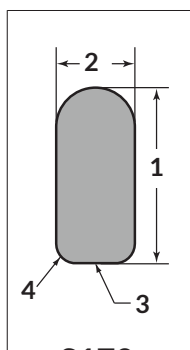
S165



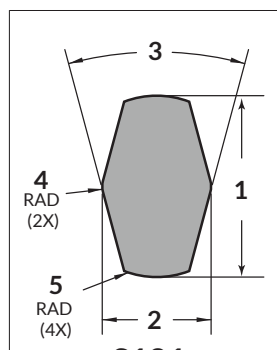
S166



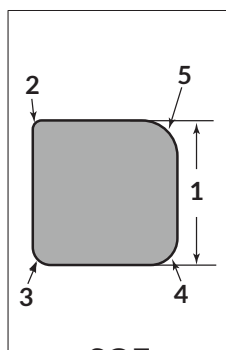
S167



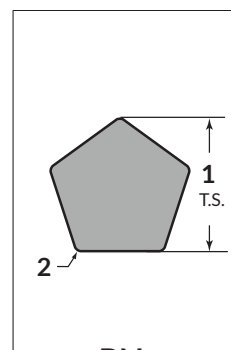
S170



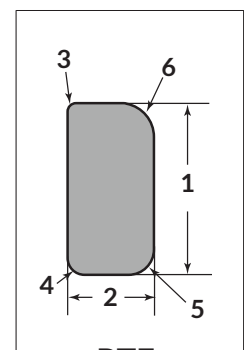
S181



SQF



PN

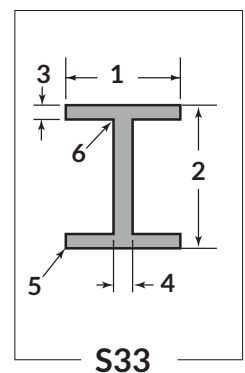
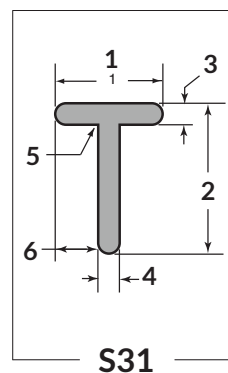
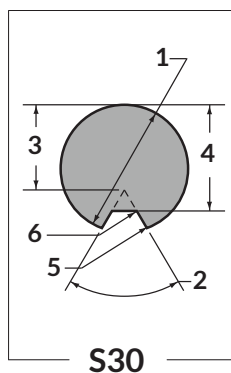
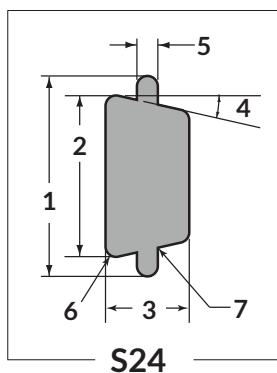
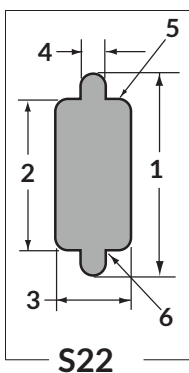
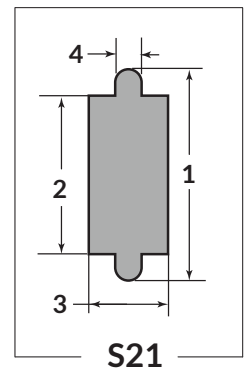
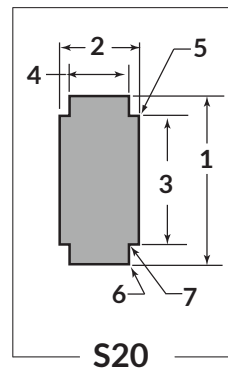
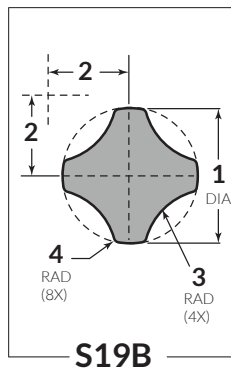
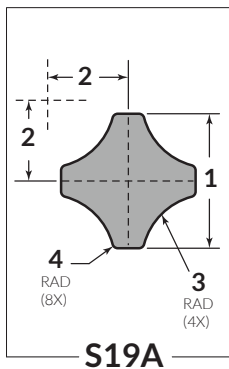
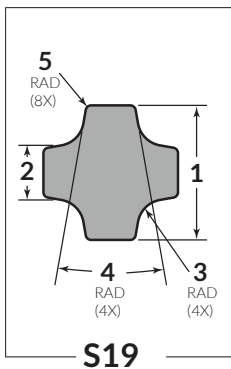
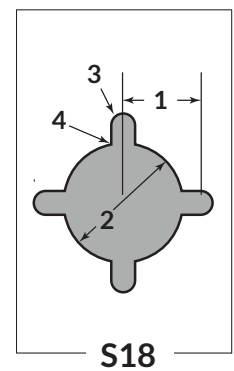
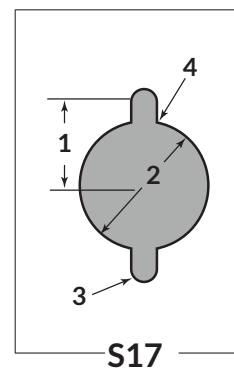
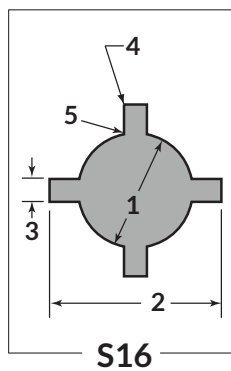
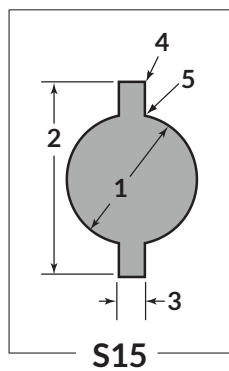
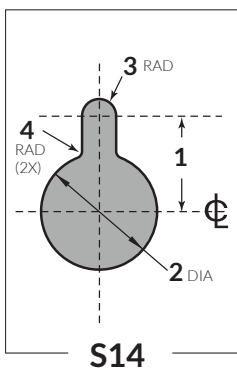
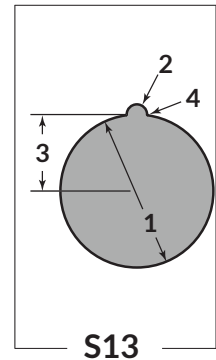
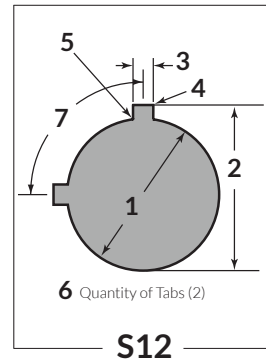
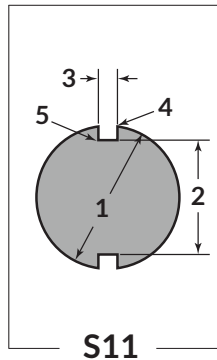
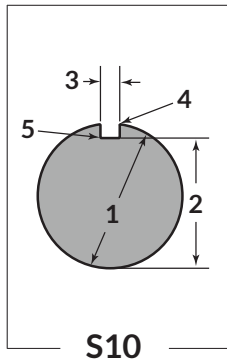
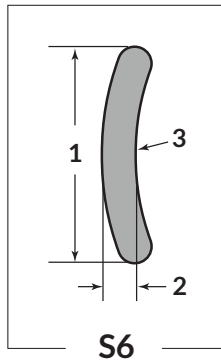


RTF

NOTE: Special considerations may alter price and lead time.

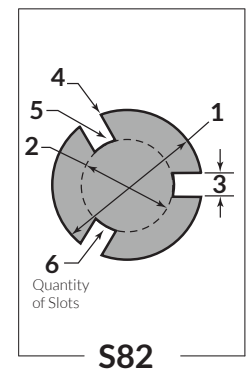
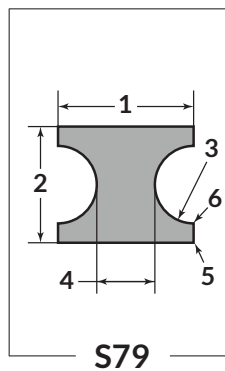
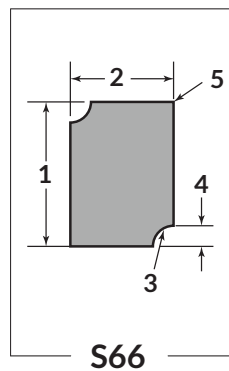
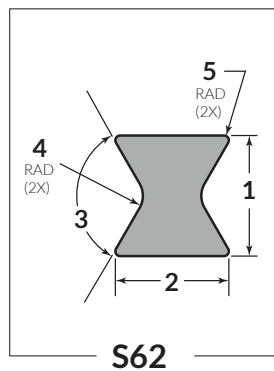
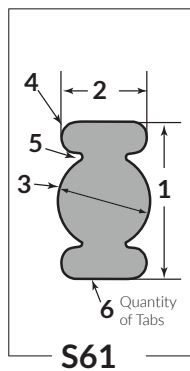
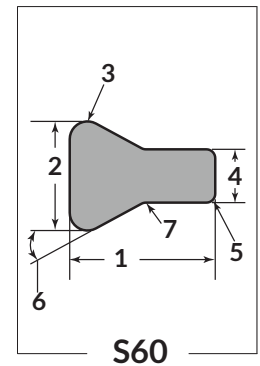
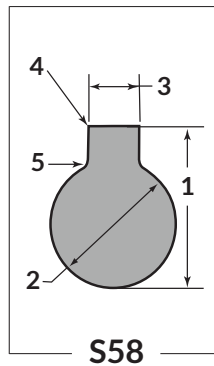
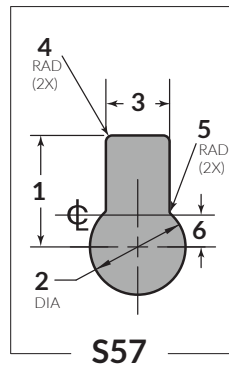
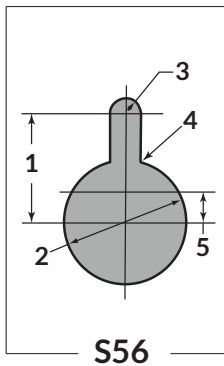
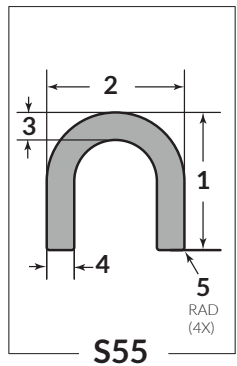
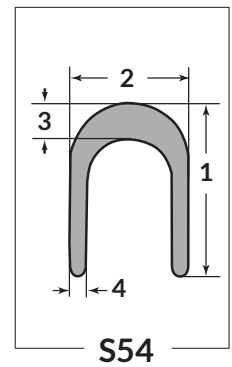
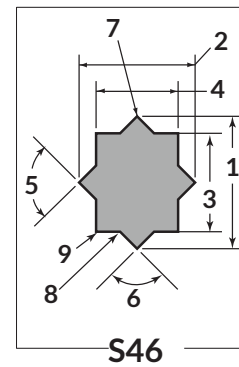
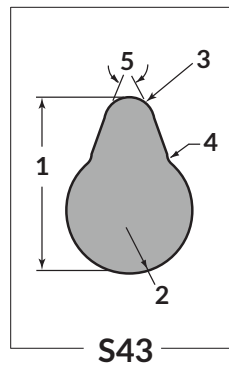
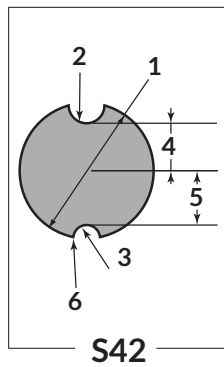
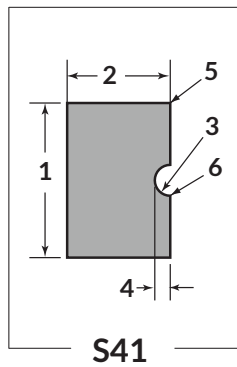
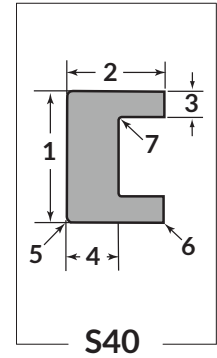
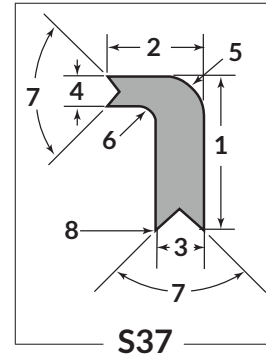
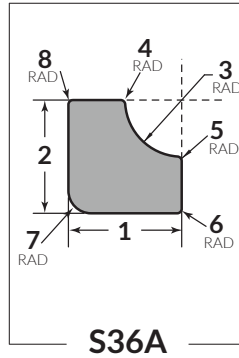
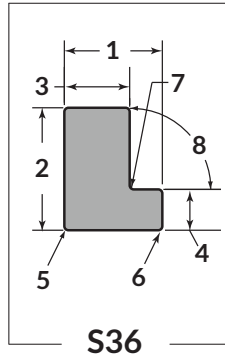
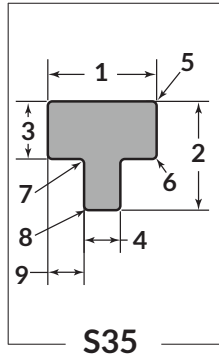


## GROUP 'B'



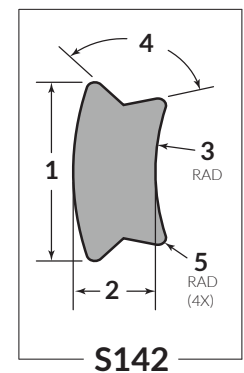
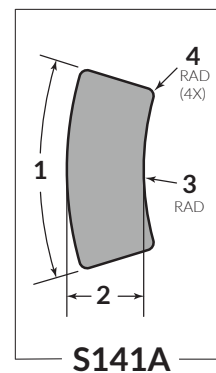
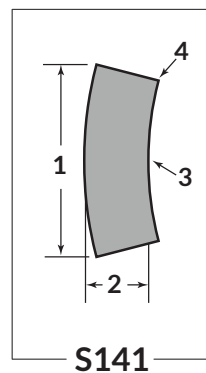
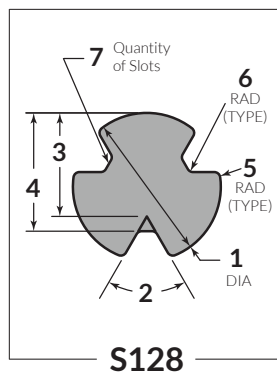
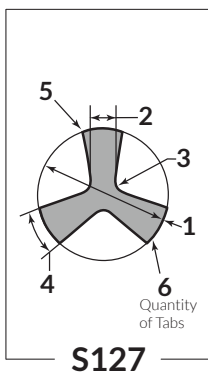
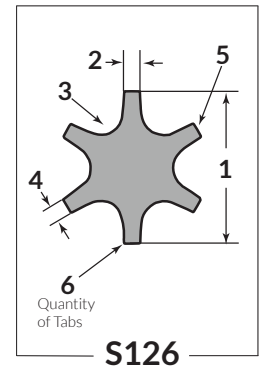
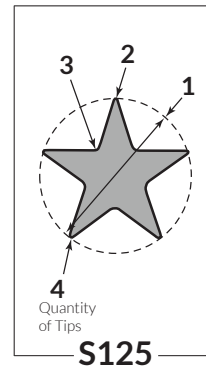
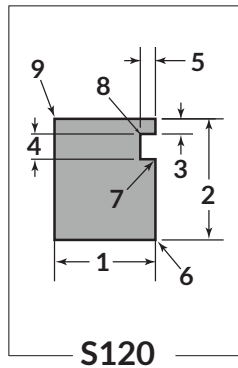
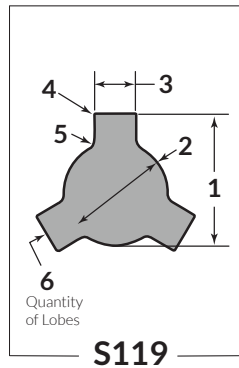
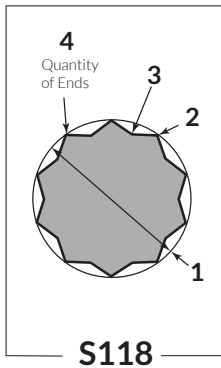
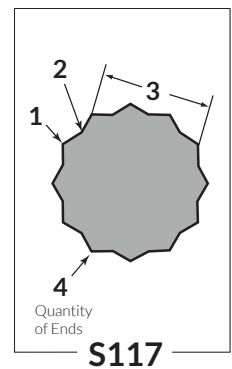
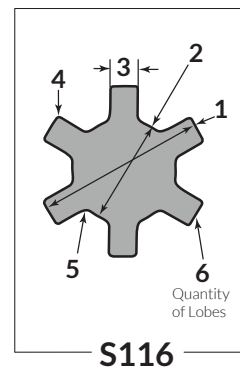
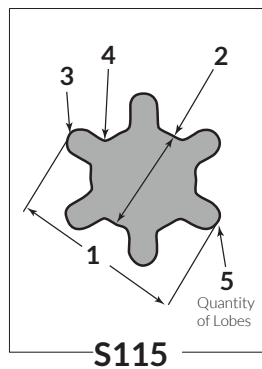
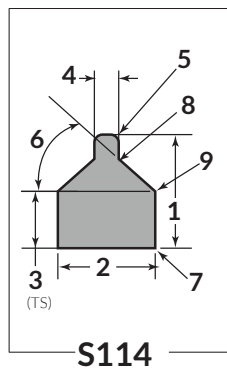
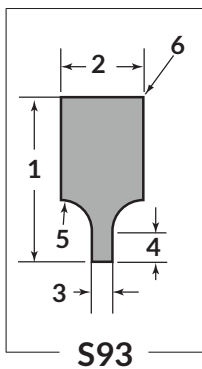
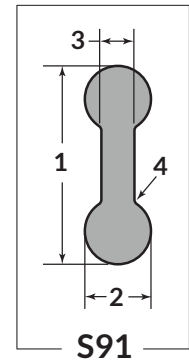
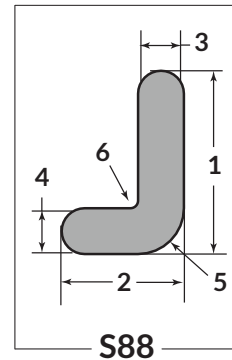
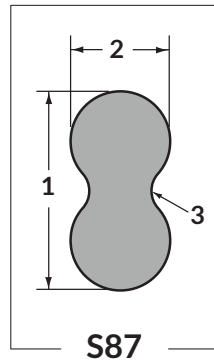
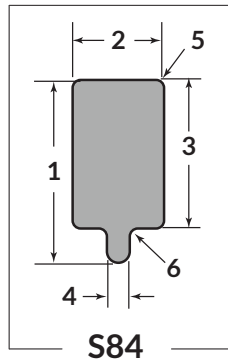
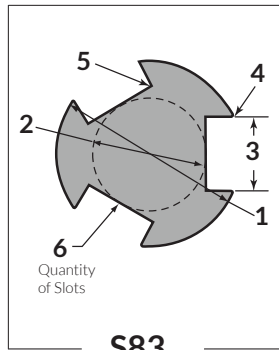
NOTE: Special considerations may alter price and lead time.

## GROUP 'B'



NOTE: Special considerations may alter price and lead time.

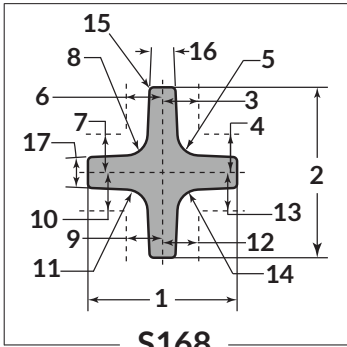
## GROUP 'B'



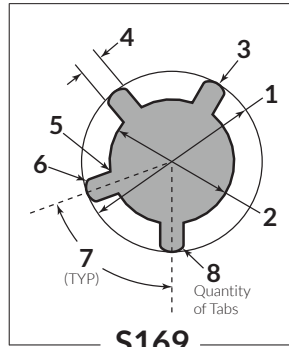
NOTE: Special considerations may alter price and lead time.



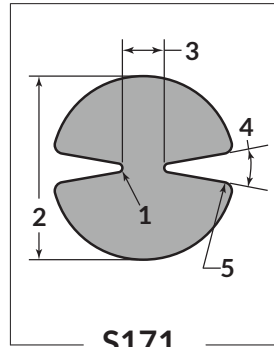
## GROUP 'B'



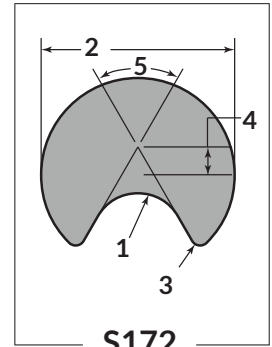
S168



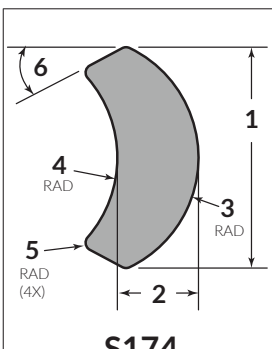
S169



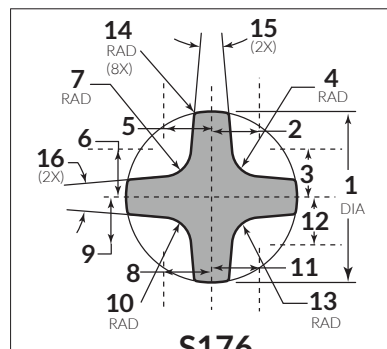
S171



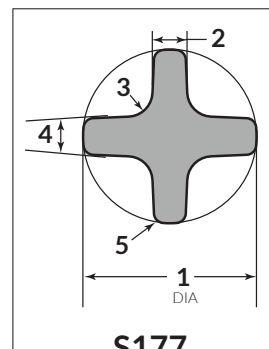
S172



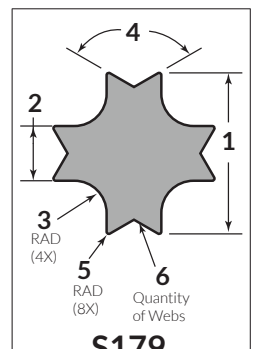
S174



S176



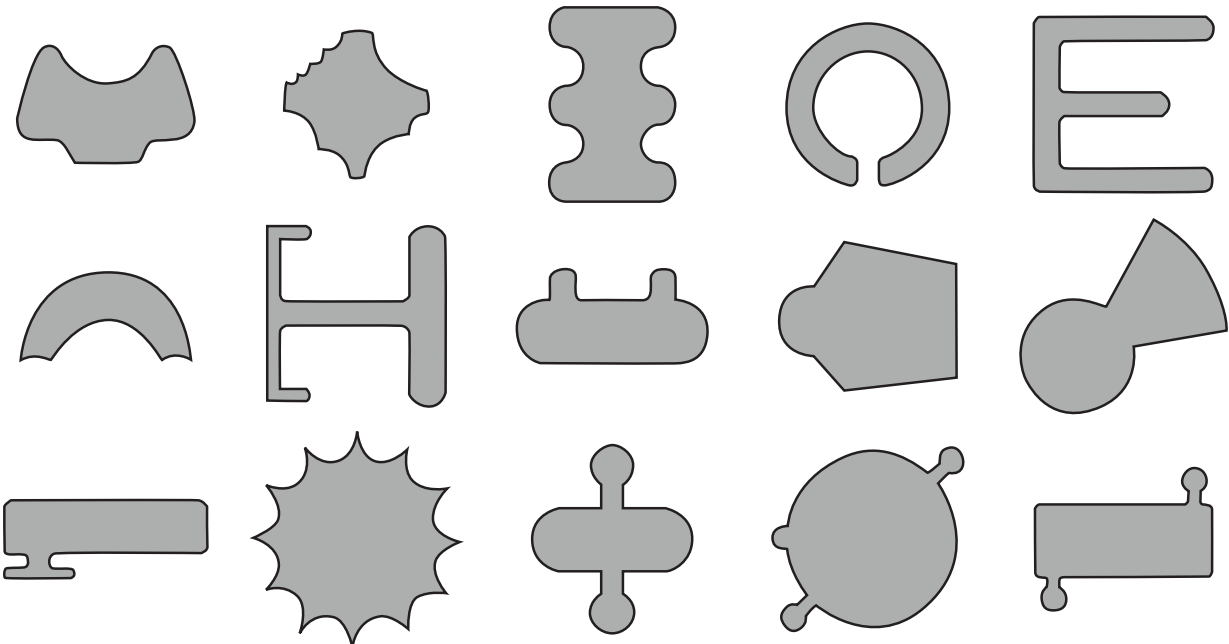
S177



S179

NOTE: Special considerations may alter price and lead time.

## GROUP 'C'



Any complex 2D shape ordered with a DXF file will be priced as a "B" Group. Electronic file will be validated at the time of ordering.

## Benefits of Accurate Regrinding

- Burr-free, quality parts straight off the punch press
- Longer tool life for reduced tooling costs
- No scrapped or wasted sheets due to tooling malfunction
- Reduced wear on your punch press

## Fully Automated Grinding Process

- Simple to operate; no previous grinding experience required
- Touchscreen controller with user-friendly multi-language interface for easy operation (language can be selected during machine setup)
- Automated height detection feature locates the top of any tool mounted in the chuck before the grinding cycle begins
- Automatic compensation makes up for any grinding wheel wear

**Suitable for Most Tooling Styles:** Flexible range of chucks and adapters allows for sharpening most punch press tooling styles

**Precision:** AC-servo motor drives a precision gear and ball screw with dual linear guides and four carriers to provide highly stable bearing properties

**Shear Grinding Chuck:** For sharpening punches with shears (included)

**Closed Coolant System:** Ensures the tool is constantly flooded with coolant during the grinding process

**Interlocking Safety Guard:** Automatically that opens and closes

**Frame:** Heavy-duty cast-iron frame for durability, stability and long life

**Small Footprint:** Machine can easily be placed next to the punch press



XSHARP™ ACCESSORIES	
DESCRIPTION	CAT. NO.
Grinding Wheel	55109
Coolant	55367
Dressing Stone	55117

TECHNICAL SPECIFICATIONS*	
Machine Height	77.2" (1962mm)
Machine Width	31.5" (800mm)
Machine Depth	30.7" (779mm)
Machine Weight	992 lbs./450kg
Power Supply	230/460V, 60Hz
Table Motor Power	.24HP/18 kW
Table Rotation Speed	40 RPM
Max. Tool Diameter	6.3" (160mm)
Max. Tool Height	9" (230mm)
Air Pressure Supply	6 bar
Grinding Motor Power	3HP/2.2 kW
Wheel Rotation Speed	2800 rpm
Coolant Pump Power	.21HP/0.16 kW
Coolant Pump Water Flow	Max. 11.5GPM/40 l/min

Note: Adapters may be required for some ranges of TRUMPF-style tooling.

\*Wilson Tool International reserves the right to change machine specifications without prior notice.

## 5 EASY STEPS TO A SHARPER EDGE



**Step 1.** Load tool into chuck



**Step 2.** Set tool style



**Step 3.** Set tool size



**Step 4.** Set grind amount (in increments of 0.001" or 0.01mm)



**Step 5.** Touch start to sharpen the tool

An extreme-pressure, solid lubricant that is used for metalworking and protecting against corrosion. Multi-purpose, low friction and heavy duty.

Cat. No. 6055



## PUNCH LUBRICANT

Press Brake Compatible  
Punch Press Compatible

Xcel 1 Liter Spray Bottle  
Cat. No. 24315

Xcel 5 Liter Concentrate  
Cat. No. 24316



## SHEET LUBRICANT

Press Brake Compatible  
Punch Press Compatible

Cutting oil allows for faster cutting of difficult alloys while providing an excellent finish and extends tool life. Sample size bottle.

Cat. No. 6941



## CUT-MAX 570

Press Brake Compatible  
Punch Press Compatible

1 Quart [.95Liter] capacity enamel steel sprayer with adjustable plastic nozzle.

Cat. No. 6120



## SURE SHOT SPRAYER

Press Brake Compatible  
Punch Press Compatible

- For removing galling
- Measuring range 0 - 6"
- Accuracy to 0.001"

Cat. No. 8050



## RUBBERIZED ABRASIVE WHEEL

Press Brake Compatible  
Punch Press Compatible

## EXP® PUNCH REMOVAL KEY

Press Brake Compatible  
.....  
Punch Press Compatible



This wrench is designed for use with EXP® punches.

.....  
Cat. No. 6989

## DIAMOND FILE

Press Brake Compatible  
.....  
Punch Press Compatible



Industrial file plated with finely selected diamond powder. Can be used on hardened tool steel.

.....  
Cat. No. 6059

## OIL STONE

Press Brake Compatible  
.....  
Punch Press Compatible



3 square aluminum oxide sharpening stone.

.....  
Cat. No. 6060

## METRIC HEX KEY WRENCH SET

Press Brake Compatible  
.....  
Punch Press Compatible



Metric 9 piece long arm set.  
Contains: 1.5 x 77, 2 x 83,  
2.5 x 90, 3 x 98, 4 x 106, 5 x 118,  
6 x 137, 8 x 156, 10 x 170mm

.....  
Cat. No. 6105

## SAE HEX KEY WRENCH SET

Press Brake Compatible  
.....  
Punch Press Compatible



Imperial 13 piece set. Contains:  
.050", 1/16", 5/64", 3/32", 7/64",  
1/8", 9/64", 5/32", 3/16", 7/32",  
1/4", 5/16", 3/8"

.....  
Cat. No. 6057

## SOFT FACE HAMMER

Press Brake Compatible  
.....  
Punch Press Compatible



Polyurethane dead-blow hammer. Steel pellets inside hammer head impact a split second after the hammer face, reducing rebound.

.....  
Cat. No. 6106



## DIGITAL THICKNESS GAUGE

Press Brake Compatible  
.....  
Punch Press Compatible



- Compact size with spring loaded jaw mechanism
- Accuracy to 0.002"
- Readings in millimeters, inches and fractions

.....  
Cat. No. 974117

## DIGITAL EASY READ CALIPER

Press Brake Compatible  
.....  
Punch Press Compatible



- Large digital readout [0.875" x 2.375"]
- Measuring range 0 - 6"
- Accuracy to 0.001"

.....  
Cat. No. 974118

## ZIP-MAR ADHESIVE DISCS

Press Brake Compatible  
.....  
Punch Press Compatible

Zip-Mar reduces the costly marring of material by the stripper. The disk is applied to the bottom of a standard stripping guide or stripper plate. A hole is then cut with a sharp knife to reveal the existing hole in the stripper.

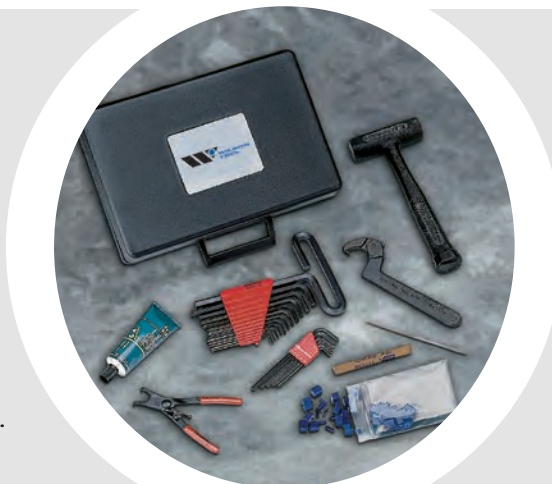


Station	QUANTITY	CAT. NO.
A	Pack of 10	6083
B	Pack of 10	6084
C	Pack of 10	6085
D	Pack of 10	6086
E	Pack of 10	6087
Sheet	6" x 12" [15.2 x 30.5 cm]	6108

## TOOL KIT

- (1) Tool Box,
- (1) Oil Stone,
- (1) Diamond File,
- (1) Tru-Arc Pliers,
- (1) Spanner Wrench,
- (1) Punch Lubricant,
- (1) Soft Face Hammer,
- (1) Metric Hex Key Wrench Set,
- (1) Hex Key Wrench Set (English),
- (1) Assortment of 4-sizes of square urethane ejectors.

.....  
Cat. No. 6091



## TOOL KIT

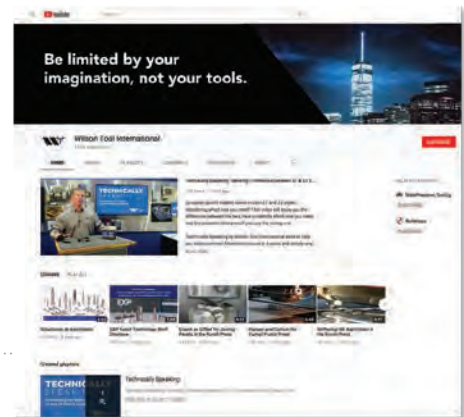
Press Brake Compatible  
.....  
Punch Press Compatible

[wilsontool.com](http://wilsontool.com) is your online source for the latest news and information from Wilson Tool International. Available in seven languages, [wilsontool.com](http://wilsontool.com) is a great resource for all of our customers around the globe. View in Spanish at [wilsontool.com/es-mx](http://wilsontool.com/es-mx).



Our **e-newsletters** provide a solutions-based article to improve performance and productivity in your shop. In addition, they keep you up to date on the latest product and industry news along with training and event information. Sign-up at [wilsontool.com](http://wilsontool.com) or [wilsontool.com/es-mx](http://wilsontool.com/es-mx)

Wilson Tool's **YouTube** channel showcases the latest tooling solutions in action and offers problem-solving application tips and tricks in our Technically Speaking video series. Explore application secrets, new products and productivity boosting tips in English and Spanish at [youtube.com/wilsontooltube](http://youtube.com/wilsontooltube).



We post technical articles, helpful solutions, new products, free webinars and more to our **LinkedIn** company pages on a near daily basis. Follow us in English at [linkedin.com/company/wilson-tool-international](http://linkedin.com/company/wilson-tool-international) or in Spanish at [linkedin.com/showcase/wilson-tool-international-en-espanol](http://linkedin.com/showcase/wilson-tool-international-en-espanol)

# SLUG HUGGER® 2

## ELIMINATES COSTLY SLUG PULLING

Manufacturers simply cannot afford frequent press downtime. The Slug Hugger® 2 die design helps eliminate the very costly problem of slug pulling — a major contributor to extra downtime.

### The Slug Pulling Solution

For a guaranteed solution, turn to Slug Hugger 2 dies. Slug Hugger 2 dies help eliminate scrapped parts, costly downtime, and possible press and tooling damage due to slug pulling. Their unique design helps eliminate unnecessary back-pressure on small punch tips by preventing packed slugs. The Slug Hugger 2 design works on most material types and thicknesses including aluminum and stainless steel.



### How Does it Work?

The Slug Hugger 2 design grabs the slug just below the cutting surface of the die and retains it during the stripping process. Precision “nips” hold slugs in the die and when capacity is reached, one slug per hit is released through the relief.





# WILSON TOOL INTERNATIONAL

## WORLD HEADQUARTERS

### Wilson Tool International — United States

Tel (Free): 800-328-9646 | Tel: 651-286-6001

Fax (Free): 800-222-0002 | Fax: 651-286-5959

Email: [punching@wilsontool.com](mailto:punching@wilsontool.com)

## NORTH AMERICA

### Wilson Tool — Canada

Punching and Stamping Division

Tel: 800-268-5573 | Fax: 800-668-9314

Email: [punching@wilsontoolcanada.com](mailto:punching@wilsontoolcanada.com)

### Wilson Tool — Canada

Press Brake Division

Tel: 800-268-4180 | Fax: 905-840-1032

Email: [bending@wilsontoolcanada.com](mailto:bending@wilsontoolcanada.com)

### Wilson Tool — Mexico

Tel: 52 (81) 1665-1249

Email: [punzonado@wilsontool.com](mailto:punzonado@wilsontool.com)

## SOUTH AMERICA

### Wilson Tool — Argentina

Tel: +54 114 799 6519

Email: [ventassudamerica@wilsontool.com](mailto:ventassudamerica@wilsontool.com)

### Wilson Tool — Brazil (Milling Ferramentas)

Tel/Fax: 55 + 11 5624-2444

Email: [vendas@milling.com.br](mailto:vendas@milling.com.br)

## EUROPE / MIDEAST / AFRICA

### Wilson Tool — United Kingdom

Tel (Free): 0800-373748 | Tel: +44 1793 831818

Fax (Free): 0800-373758 | Fax: +44 1793 831945 or 46

Email: [sales@wilsontool.eu.com](mailto:sales@wilsontool.eu.com)

### Wilson Tool — Germany

Tel (Free): 00800-9457668665 | Tel: +49 5723 747 0

Fax (Free): 00800-945766329 | Fax: +49 5723 747 10

Email: [verkauf@wilsontool.eu.com](mailto:verkauf@wilsontool.eu.com)

### Wilson Tool — Denmark

Tel (Free): 80 20 20 24 | Tel: +45 44 53 1699

Email: [salesdk@wilsontool.eu.com](mailto:salesdk@wilsontool.eu.com)

### Wilson Tool — France

Tel: +33 (0) 164 13 47 80 | Fax: +33 (0) 164 13 47 81

Email: [ventes@wilsontool.eu.com](mailto:ventes@wilsontool.eu.com)

### Toolspress — Italy

Tel: +39 0521 850510 or 850667

Fax: +39 0521 850796

Email: [info@toolspress.com](mailto:info@toolspress.com)



The Salvagnini name is wholly owned by Salvagnini America Inc,  
a subsidiary of Salvagnini Italia S.p.A.

All other trademarks are the property of their respective owners.

© 2020 Wilson Tool International.  
All rights reserved. P247C (11.2020)