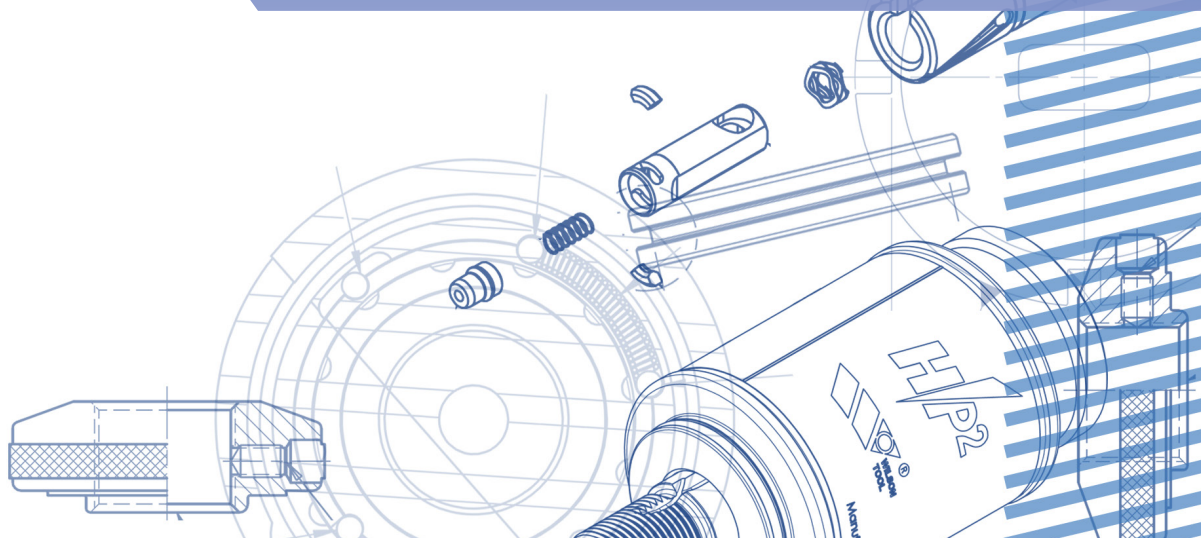




# THICK TURRET TOOLING SOLUTIONS

*Standards, Specials and Accessories*



## METRIC STYLE

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

# THE WILSON TOOL DIFFERENCE



## COMPANY OVERVIEW

From very humble beginnings in a small manufacturing facility in St. Paul, Minnesota, Wilson Tool has added manufacturing facilities and sales channels around the world to better serve our thousands of global customers. Throughout our International expansion, our mission has never wavered - we continue to offer products and services that help you be more successful. Every product you buy, every employee with whom you communicate, and every training event you attend, are designed to help customers just like you be more successful.

The products included in this catalog represent the results of over 50 years of helping customers resolve their most challenging fabrication issues. And don't be concerned if the challenge you are currently facing can't be resolved with a product included in this catalog. Give us a call and let us put our many decades of expertise to the test. We will work with you to find the best possible solution to whatever challenge you may be facing.

From all of us at Wilson Tool, we thank you for the trust you have placed in us to provide products and services that are critical to your success. We look forward to your continued success as we move forward.

Sincerely,

Brian Robinson  
*Wilson Enterprises*

The Wilson Tool 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 Wilson Wheels to innovative EXP technology, our punching division has been the leading innovation driver in the industry. When combined with the most experienced customer support professionals in the industry, the solutions offered from Wilson Tool continue to raise the bar on performance and innovation. Thick turret, Trumpf, Salvagnini, or any other style of punch press you may be using, Wilson Tool offers the most complete line of tooling solutions available today.

## PUNCHING



## BENDING

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

Whether you use European, Wila/Trumpf 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.

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 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.

Our custom tooling expertise is second to none with many customers coming to us for their most difficult stamping challenges.

## STAMPING



## ACCESSORIES

Whether you need tool sharpening grinders, tooling storage systems, or other types of related supplies, our accessory products offer a wide range of solutions to help you be more productive.

From small to large items, our accessories will help your shop be more organized and efficient.



# METRIC THICK TURRET TOOLING



**HPX**



**HP2**



**basix**

# METRIC THICK TURRET TOOLING



## METRIC STYLE TOOLING SOLUTIONS

SMALL STATION ADVANTAGES	HPX	HP2	QUICK ADJUST	BASIX
Hardened guides for increased durability	●	●	●	●
Simple tool-less stripper change	●	●	●	●
Relieved strippers for extended guide life	●	●	●	●
Internal and external tool lubrication	●	●	●	●
Machine lubrication capability (ABS only, all HPX®)	●	●	●	●
Machine or tooling OEM compatible	●	●	●	●
Optima® coated punches available	●	●	●	●
Slug Hugger® 2 - maximum slug retention	●	●	●	●
No shims or tooling required	●	●	●	
In machine adjustment for faster set ups	●	●		
Easy click, tool free length adjustment	●	●		
Maximum available grind life	●	●		
EXP® quick change technology	●			
Made standard from Ultima® premium tool steel	●			
Accepts round or shaped punches in the same assembly	●			
Push button guide release	●			

A

METRIC STYLE



PUNCH AND GUIDE ASSEMBLY



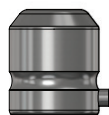
GUIDE



EXP PUNCH



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14936	
Shape	14937	
Optima® Coating		
SPRING PACK ASSEMBLY	CAT. NO.	PRICE
Spring Pack Assembly only	14366	
GUIDE	CAT. NO.	PRICE
Round	14076X	
Shape 0°	14077X	
Shape 0° & 45°	14079X	
Shape 0° & 90°	14078X	
PUNCH	CAT. NO.	PRICE
Round	13904	
Shape	13905	
Optima® Coating		
STRIPPER	CAT. NO.	PRICE
Round	13045	
Shape	13152	
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2192	
Round Standard	1808	
Shape Slug Hugger®*	2193	
Shape Standard	13801	
Ultima® Add on		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.		
DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2101	
0.76 mm single	2721	
1.50 mm single	2104	
0.25 mm pack of 25	2208	
0.76 mm pack of 25	2722	
1.50 mm pack of 25	2172	

Additional charges may apply to non-standard features.



See this tool in action on the  
Wilson Tool YouTube Channel

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HPX® tooling is Wilson Tool's 'Best' product. It is loaded with all the great features of the HP2 plus the EXP® quick change punch system with Ultima® tool steel as standard.	12.7 mm 	3.81 mm 	Compatible with ABS and non-ABS machines.  Ultima® tool steel is standard in EXP® punches.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



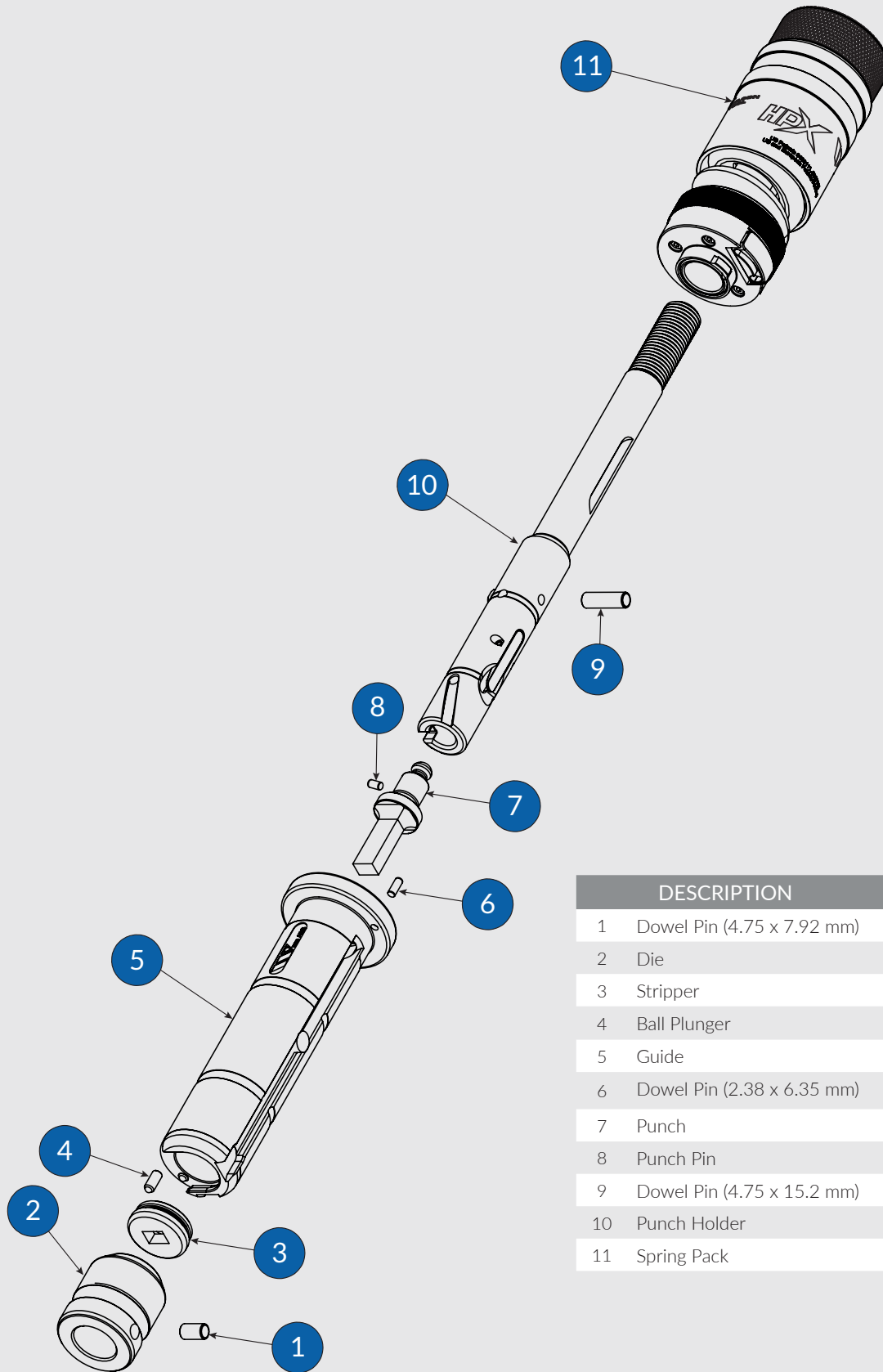
LD



OB



DD



	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	Dowel Pin (2.38 x 6.35 mm)	6299
7	Punch	See Opposite Page
8	Punch Pin	970442
9	Dowel Pin (4.75 x 15.2 mm)	6015
10	Punch Holder	14907
11	Spring Pack	14366

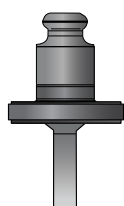




PUNCH AND GUIDE ASSEMBLY



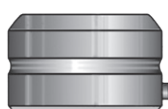
GUIDE



EXP PUNCH



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14939	
Shape	14940	
Optima® Coating		
SPRING PACK ASSEMBLY	CAT. NO.	PRICE
Spring Pack Assembly only	14367	
GUIDE	CAT. NO.	PRICE
Round	14084X	
Shape 0°	14085X	
Shape 0° & 45°	14087X	
Shape 0° & 90°	14086X	
PUNCH	CAT. NO.	PRICE
Round	13916	
Shape	13917	
Optima® Coating		
STRIPPER	CAT. NO.	PRICE
Round	2433	
Shape	2432	
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2194	
Round Standard	2021	
Shape Slug Hugger®*	2195	
Shape Standard	13804	
Ultima® Add on		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.		
DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2097	
0.76 mm single	2723	
1.50 mm single	2100	
0.25 mm pack of 25	2209	
0.76 mm pack of 25	2724	
1.50 mm pack of 25	2173	
Additional charges may apply to non-standard features.		



See this tool in action on the  
Wilson Tool YouTube Channel

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HPX® tooling is Wilson Tool's 'Best' product. It is loaded with all the great features of the HP2 plus the EXP® quick change punch system with Ultima® tool steel as standard.	31.75 mm 	6.35 mm 	Compatible with ABS and non-ABS machines.  Ultima® tool steel is standard in EXP® punches.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



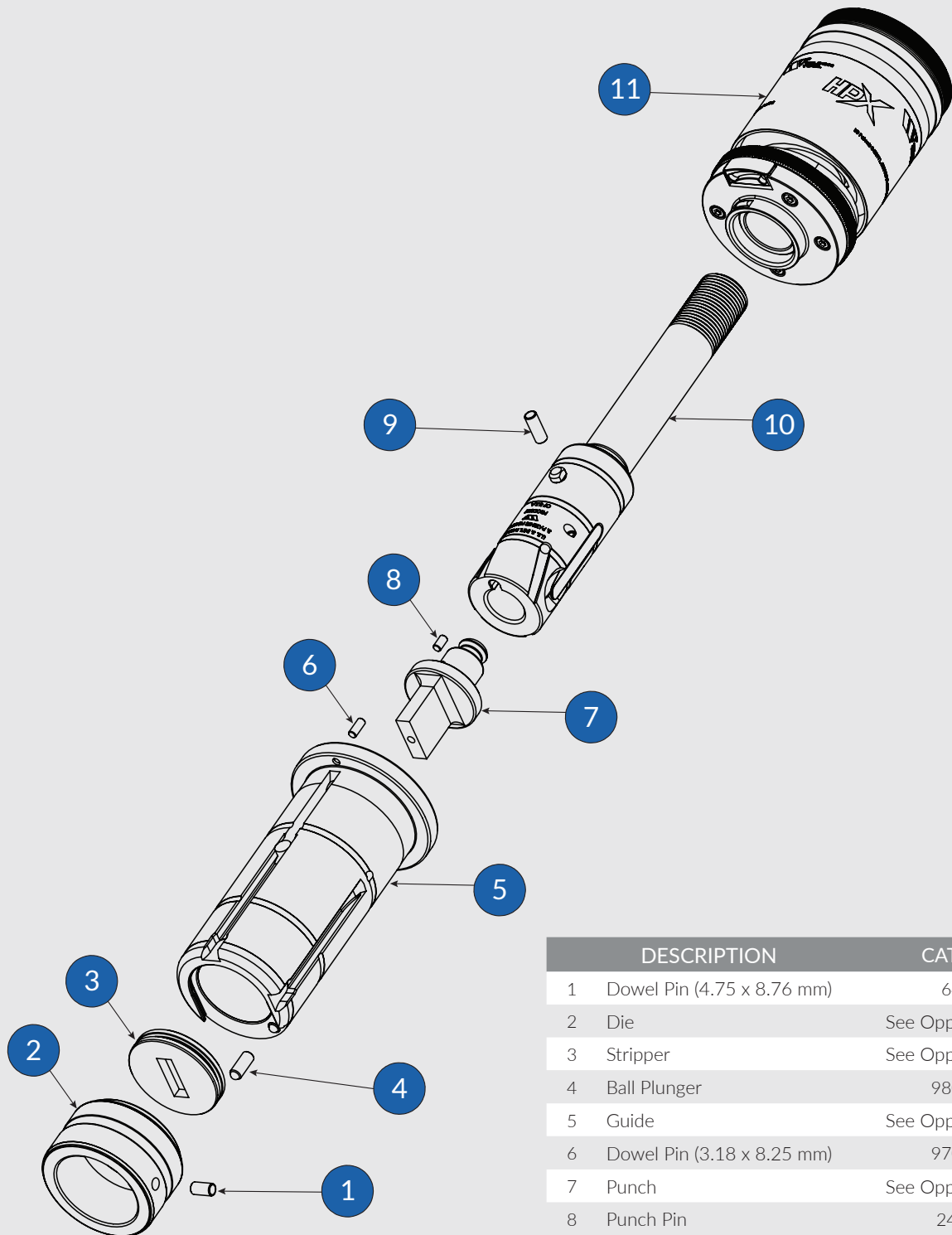
LD



OB



DD



	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Dowel Pin (3.18 x 8.25 mm)	970651
7	Punch	See Opposite Page
8	Punch Pin	24097
9	Dowel Pin (4.75 x 13 mm)	2131
10	Punch Holder	14929
11	Spring Pack	14367



A

METRIC STYLE



### METRIC PUNCH HOLDER

Compatible with Metric Style Punch and Guide Assemblies

	CAT. NO.	PRICE
Round	14905*	
Shape	14903	



### METRIC ABS/WLS PUNCH HOLDER

Compatible with Metric Style Punch and Guide Assemblies

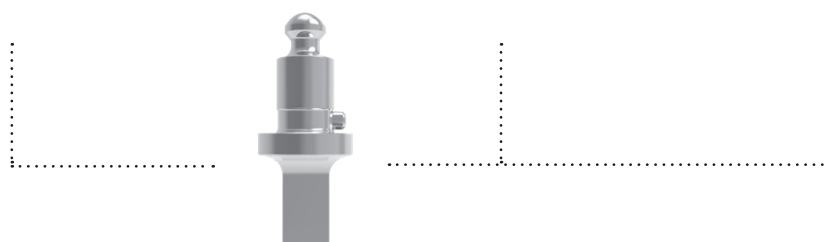
	CAT. NO.	PRICE
Round	14909*	
Shape	14907	



### ULTRA PUNCH HOLDER

Compatible with Ultra Punch and Guide Assemblies

	CAT. NO.	PRICE
Ultra	15575	



### EXP™ PUNCH

Compatible with all punch holders above

	CAT. NO.	PRICE
Round	13904	
Shape	13905	
Optima® Coating		



See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
EXP® punch holders allow you to convert your current Wilson Style punch and guide assemblies to the EXP® quick change punch system.  Ultima® tool steel is standard in EXP® punches.	12.7 mm 	3.81 mm 	Additional charges may apply to non-standard features.  * Pinned Round

### 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



LD



OB



DD

**METRIC PUNCH HOLDER**

Compatible with Metric Style Punch and Guide Assemblies

	CAT. NO.	PRICE
Round	14927*	
Shape	14925	

**METRIC ABS/WLS PUNCH HOLDER**

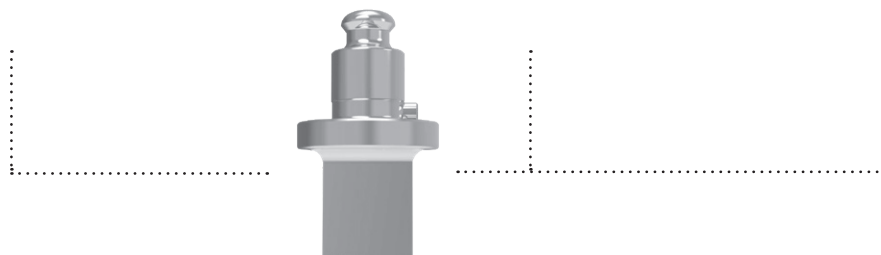
Compatible with Metric Style Punch and Guide Assemblies

	CAT. NO.	PRICE
Round	14931*	
Shape	14929	

**ULTRA PUNCH HOLDER**

Compatible with Ultra Punch and Guide Assemblies

	CAT. NO.	PRICE
Ultra	15577	

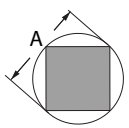
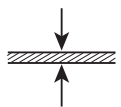
**EXP™ PUNCH**

Compatible with all punch holders above

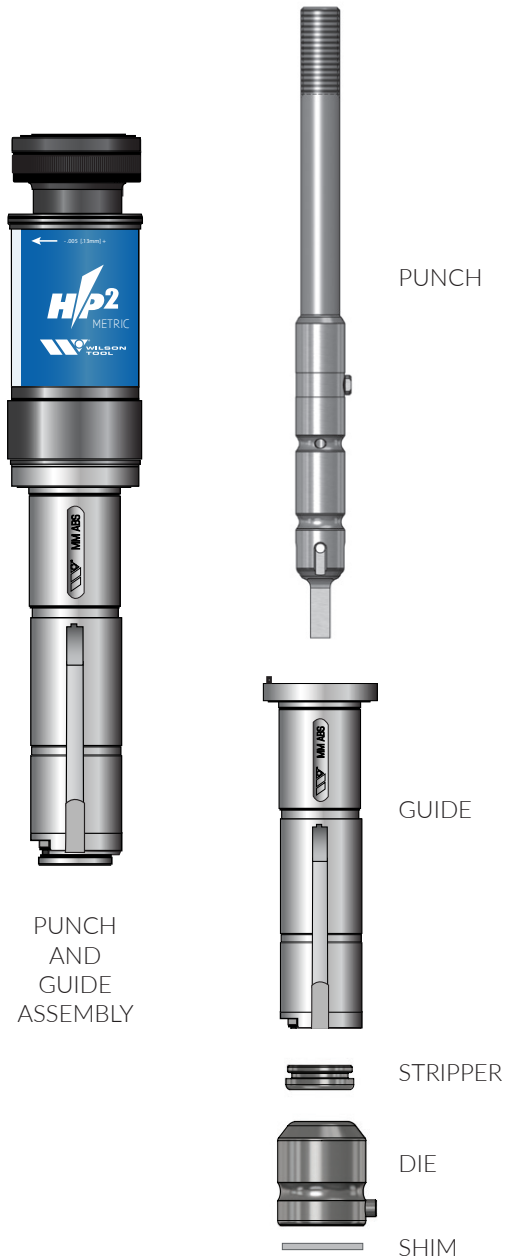
	CAT. NO.	PRICE
Round	13916	
Shape	13917	
Optima® Coating		



See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
EXP® punch holders allow you to convert your current Wilson Style punch and guide assemblies to the EXP™ quick change punch system.  Ultima® tool steel is standard in EXP® punches.	31.75 mm 	6.35 mm 	Additional charges may apply to non-standard features.  * Pinned Round





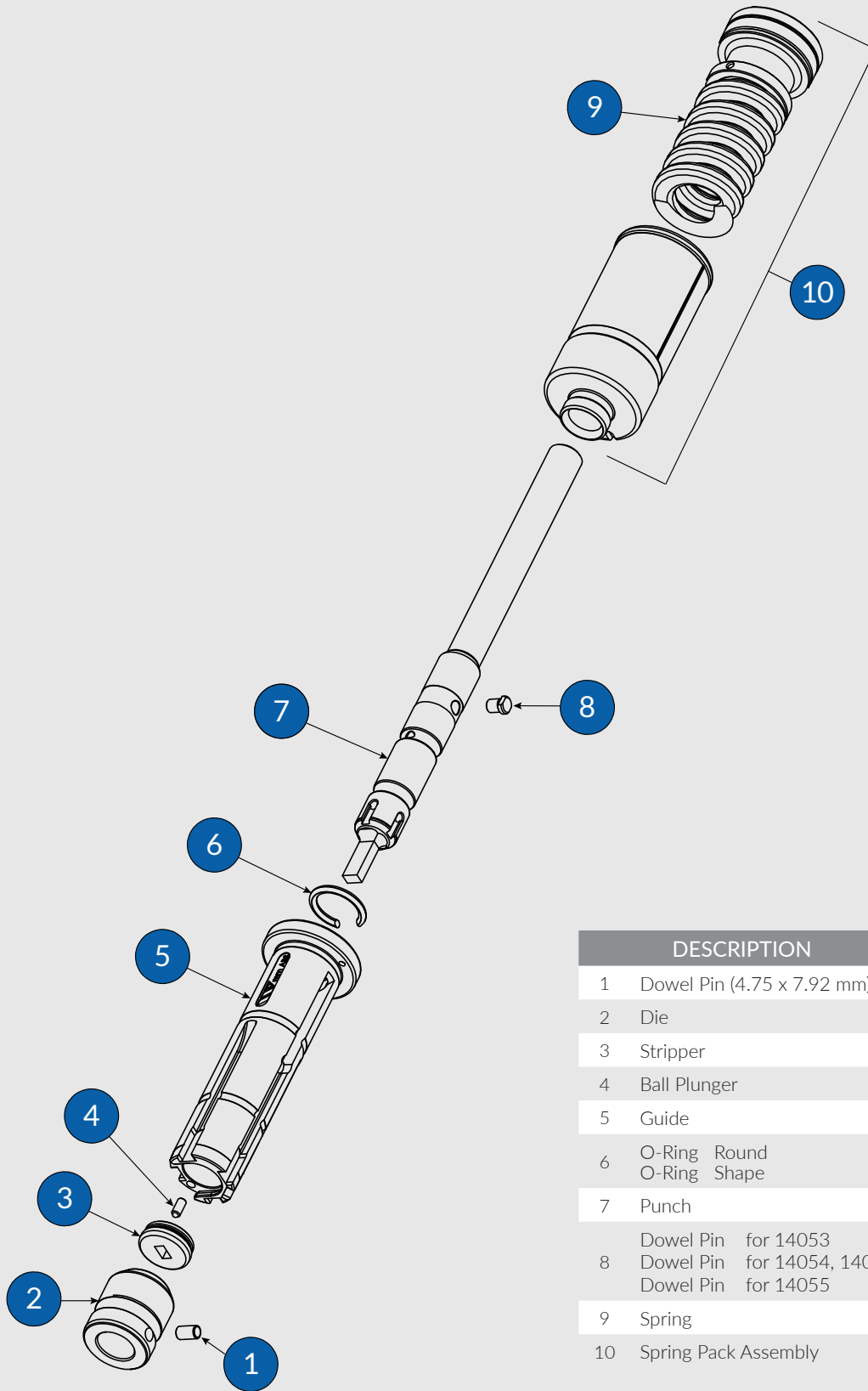
PUNCH AND GUIDE ASSEMBLY			ABS		
	CAT. NO.	PRICE	CAT. NO.	PRICE	
Round	14052		14054		
Shape	14053		14055		
Optima® Coating					
Spring Pack Assembly	14153		14153		
PUNCH	CAT. NO	PRICE	CAT. NO.	PRICE	
Round, pinned **	14048		13869		
Shape	2182		13870		
Optima® Coating					
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE	
Round	14072		14076		
Shape 0°	14073		14077		
Shape 0° & 45°	14075		14079		
Shape 0° & 90°	14074		14078		
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE	
Round	13044		13045		
Shape	13143		13152		
DIE	CAT. NO.	PRICE			
Round Slug Hugger®*	2192				
Round Standard	1808				
Shape Slug Hugger® *	2193				
Shape Standard	13801				
Ultima® Add on					
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.					
DIE SHIM		CAT. NO.	PRICE		
0.25 mm	single	2101			
0.76 mm	single	2721			
1.50 mm	single	2104			
0.25 mm	pack of 25	2208			
0.76 mm	pack of 25	2722			
1.50 mm	pack of 25	2172			

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP2 is Wilson Tool's 'Better' product. It offers a great value with standard features like easy click length adjustment, high grade tool steel, ABS compatible.	12.7 mm 	3.81 mm 	** HP2 assemblies require a pinned round punch.  HP dies are available in Ultima® tool steel upon request.

## 25 STANDARD SHAPES



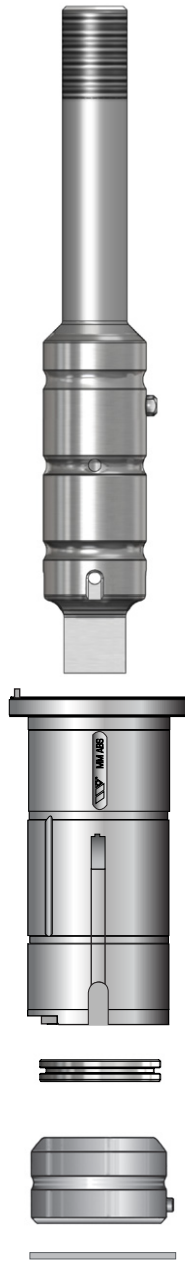


	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	O-Ring Round O-Ring Shape	971303 13069
7	Punch	See Opposite Page
8	Dowel Pin for 14053 Dowel Pin for 14054, 14052 Dowel Pin for 14055	6015 974189 2150
9	Spring	24291
10	Spring Pack Assembly	14153





PUNCH  
AND  
GUIDE  
ASSEMBLY



PUNCH

GUIDE

STRIPPER

DIE

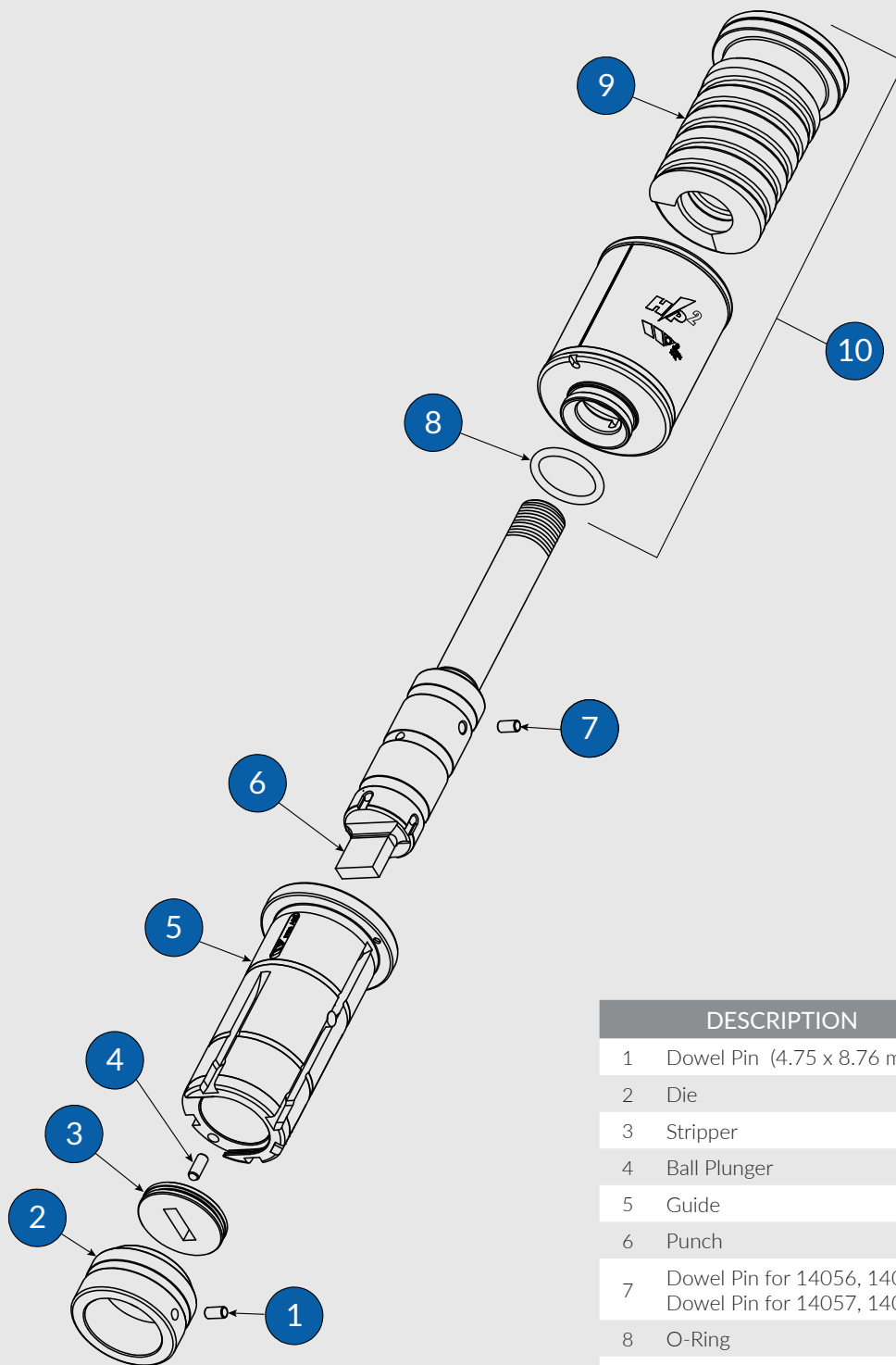
SHIM

PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	14056		14058	
Shape	14057		14059	
Optima® Coating				
Spring Pack Assembly	14172		14172	
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round, pinned **	14049		13871	
Shape	2184		13872	
Optima® Coating				
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	14080		14084	
Shape 0°	14081		14085	
Shape 0° & 45°	14083		14087	
Shape 0° & 90°	14082		14086	
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1890		2433	
Shape	1917		2432	
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2194			
Round Standard	2021			
Shape Slug Hugger® *	2195			
Shape Standard	13804			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
SHIMS		CAT. NO.	PRICE	
0.25 mm	single	2097		
0.76 mm	single	2723		
1.50 mm	single	2100		
0.25 mm	pack of 25	2209		
0.76 mm	pack of 25	2724		
1.50 mm	pack of 25	2173		
Additional charges may apply to non-standard features.				

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP2 is Wilson Tool's 'Better' product. It offers a great value with standard features like easy click length adjustment, high grade tool steel, ABS compatible.	31.75 mm 	6.35 mm 	**HP2 assemblies require a pinned round punch.  HP dies are available in Ultima® tool steel upon request.

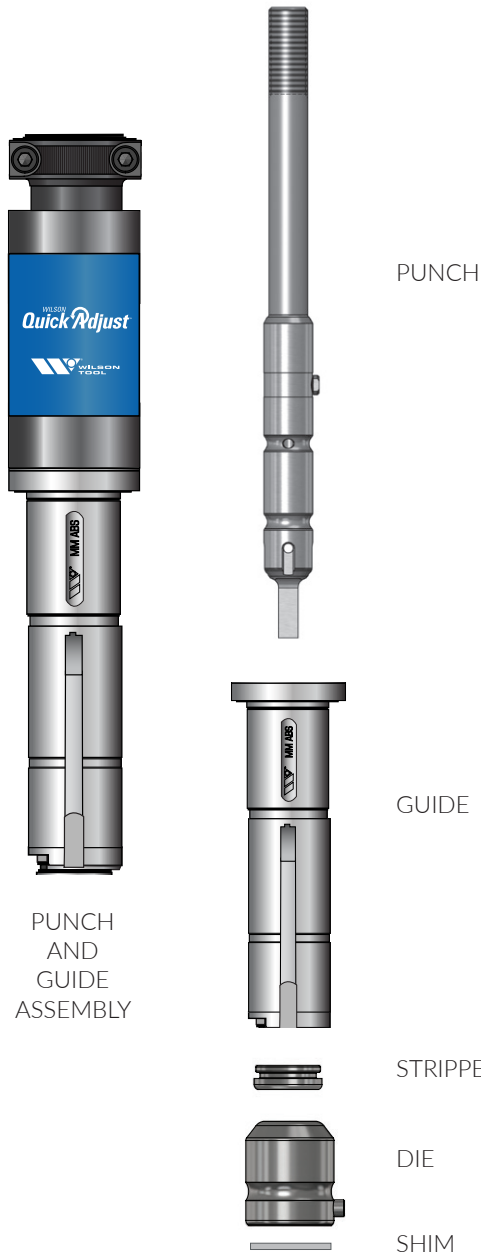
## 25 STANDARD SHAPES





	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin for 14056, 14058 Dowel Pin for 14057, 14059	974189 2131
8	O-Ring	24295
9	Spring	EH200-250
10	Spring Pack Assembly	14172





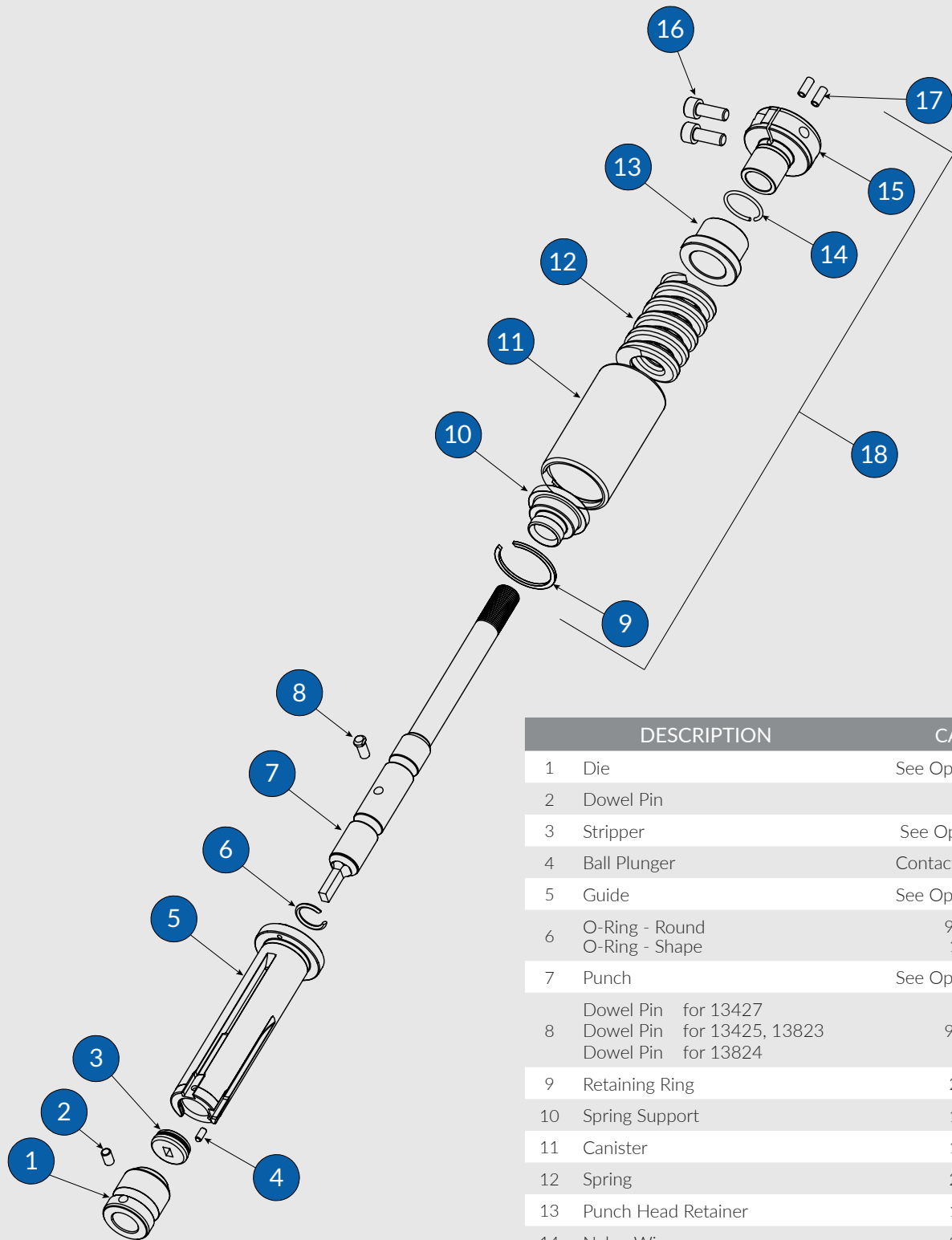
PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13425		13823	
Shape	13427		13824	
Optima® Coating				
PUNCH	CAT. NO	PRICE	CAT. NO.	PRICE
Round	2183		13827	
Shape	2182		13870	
Optima® Coating				
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13065		13073	
Shape 0°	13066		13074	
Shape 0° & 45°	13067		13075	
Shape 0° & 90°	13068		13076	
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13044		13045	
Shape	13143		13152	
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2192			
Round Standard	1808			
Shape Slug Hugger®*	2193			
Shape Standard	13801			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2101		
0.76 mm	single	2721		
1.50 mm	single	2104		
0.25 mm	pack of 25	2208		
0.76 mm	pack of 25	2722		
1.50 mm	pack of 25	2172		
Additional charges may apply to non-standard features.				

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Quick Adjust offers a great value with standard features like easy click length adjustment, high grade tool steel, ABS compatible. 100% OEM compatible parts.	12.7 mm 	3.81 mm 	Dies are available in Ultima® tool steel upon request.

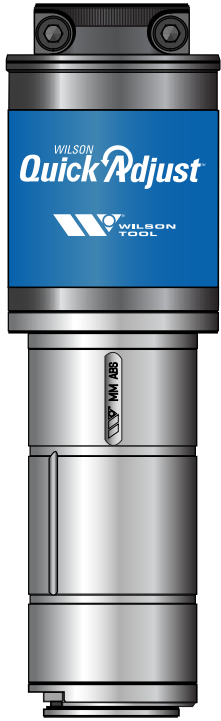
## 25 STANDARD SHAPES





DESCRIPTION		CAT. NO.
1	Die	See Opposite Page
2	Dowel Pin	6013
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	O-Ring - Round O-Ring - Shape	971303 13069
7	Punch	See Opposite Page
8	Dowel Pin for 13427 Dowel Pin for 13425, 13823 Dowel Pin for 13824	6015 974189 2150
9	Retaining Ring	24290
10	Spring Support	13398
11	Canister	13397
12	Spring	24291
13	Punch Head Retainer	13396
14	Nylon Wire	24437
15	Punch Head	13395
16	Socket Head Cap Screw (2 required)	6481
17	Polyurethane Plug (2 required)	13868
18	Spring Pack Assembly	13394





PUNCH  
AND  
GUIDE  
ASSEMBLY



PUNCH

GUIDE

STRIPPER

DIE

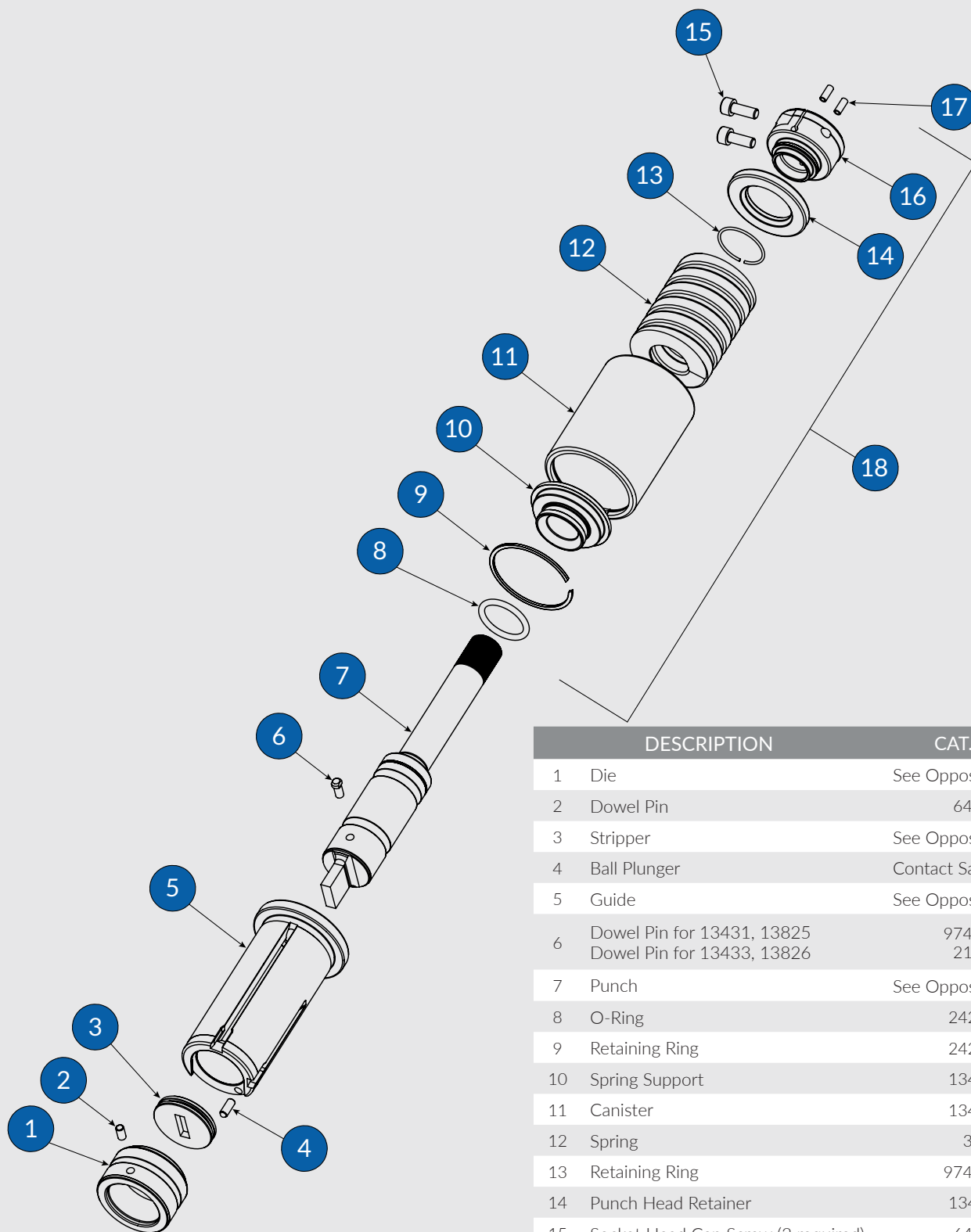
SHIM

PUNCH AND GUIDE			ABS	
ASSEMBLY	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13431		13825	
Shape	13433		13826	
Optima® Coating				
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round, pinned **	2185		13828	
Shape	2184		13872	
Optima® Coating				
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13413		13097	
Shape 0°	13414		13098	
Shape 0° & 45°	13415		13099	
Shape 0° & 90°	13416		13100	
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1890		2433	
Shape	1917		2432	
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2194			
Round Standard	2021			
Shape Slug Hugger®*	2195			
Shape Standard	13804			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance.				
Size restrictions apply.				
SHIMS	CAT. NO.	PRICE		
0.25 mm single	2097			
0.76 mm single	2723			
1.50 mm single	2100			
0.25 mm pack of 25	2209			
0.76 mm pack of 25	2724			
1.50 mm pack of 25	2173			
Additional charges may apply to non-standard features.				

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Quick Adjust offers a great value with standard features like easy click length adjustment, high grade tool steel, ABS compatible. 100% OEM compatible.	31.75 mm 	6.35 mm 	Dies are available in Ultima® tool steel upon request.

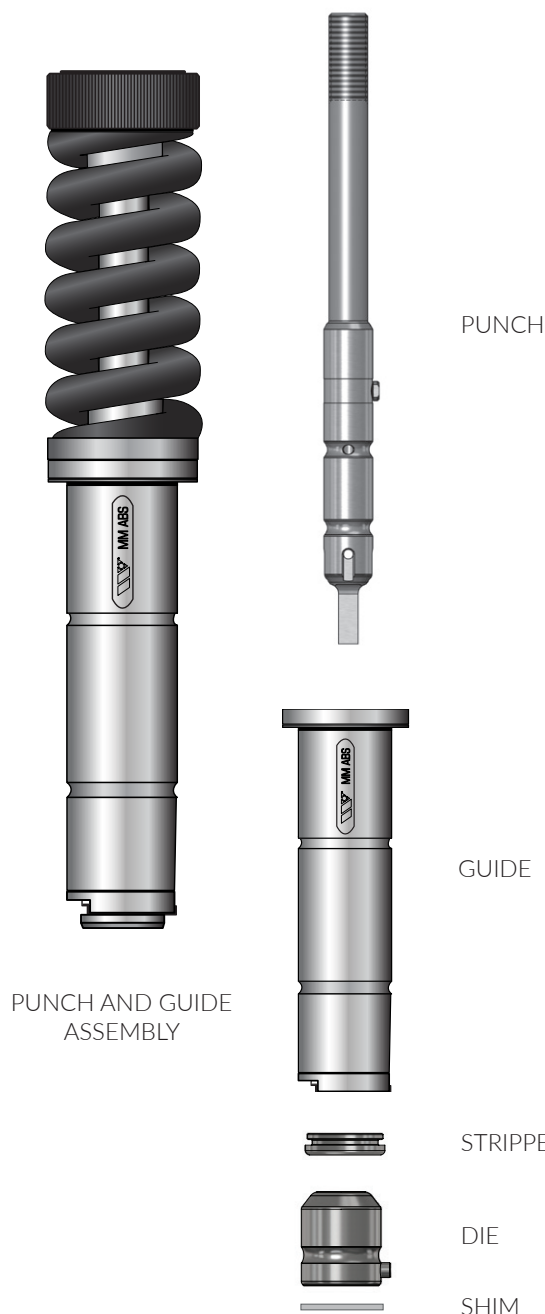
## 25 STANDARD SHAPES





	DESCRIPTION	CAT. NO.
1	Die	See Opposite Page
2	Dowel Pin	6431
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Dowel Pin for 13431, 13825 Dowel Pin for 13433, 13826	974189 2131
7	Punch	See Opposite Page
8	O-Ring	24295
9	Retaining Ring	24294
10	Spring Support	13403
11	Canister	13402
12	Spring	30
13	Retaining Ring	974202
14	Punch Head Retainer	13401
15	Socket Head Cap Screw (2 required)	6481
16	Punch Head	13400
17	Polyurethane Plug (2 required)	13868
18	Spring Pack Assembly	13399



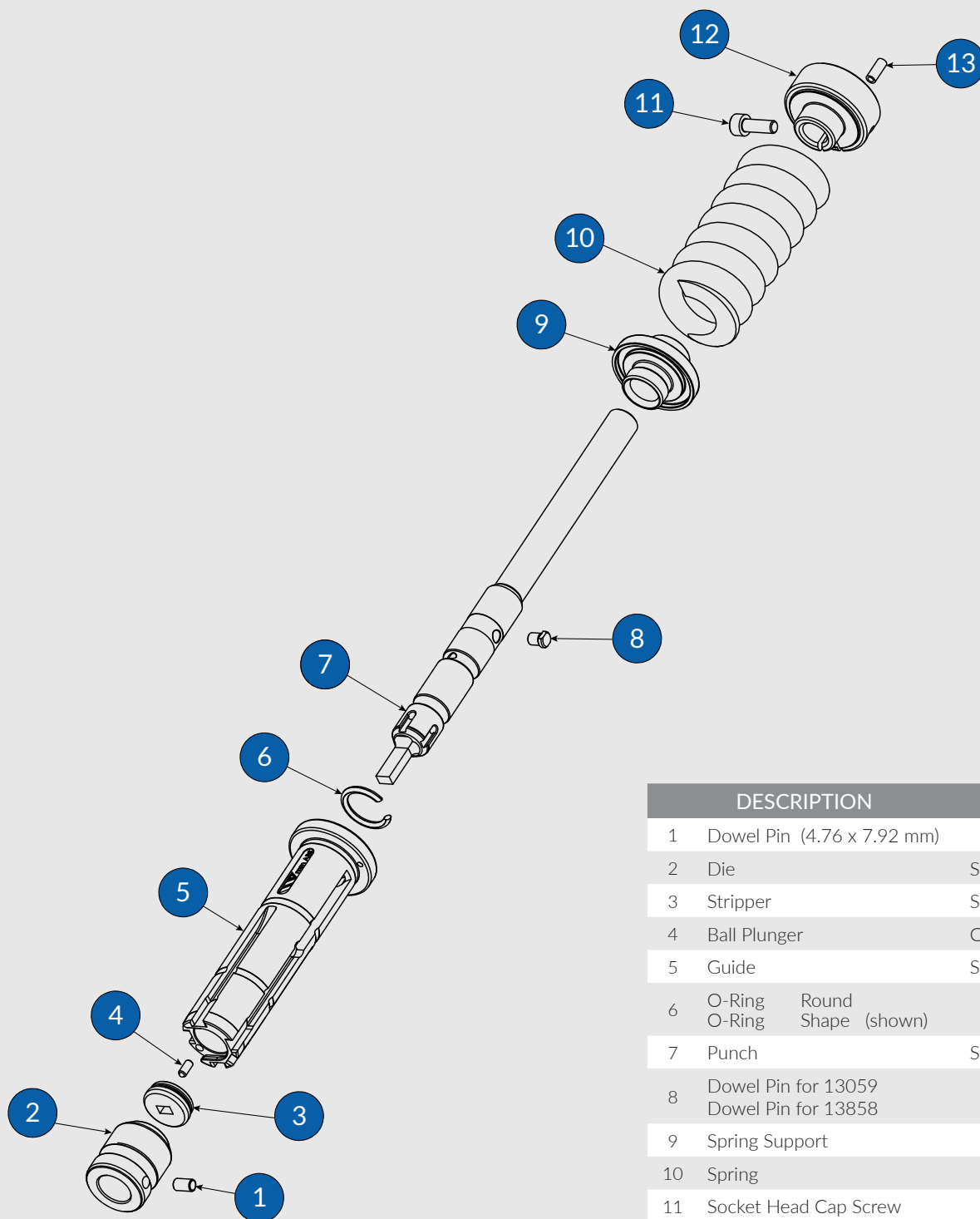


PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13057		13856	
Shape	13059		13858	
Optima® Coating				
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2183		13827	
Shape	2182		13870	
Optima® Coating				
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13065		13073	
Shape 0°	13066		13074	
Shape 0° & 45°	13067		13075	
Shape 0° & 90°	13068		13076	
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13044		13045	
Shape	13143		13152	
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2192			
Round Standard	1808			
Shape Slug Hugger®*	2193			
Shape Standard	13801			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
PUNCH SHIM		CAT. NO.	PRICE	
1.5 mm	single	13080		
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2101		
0.76 mm	single	2721		
1.50 mm	single	2104		
0.25 mm	pack of 25	2208		
0.76 mm	pack of 25	2722		
1.50 mm	pack of 25	2172		
Additional charges may apply to non-standard features.				

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features.	12.7 mm 	3.81 mm 	

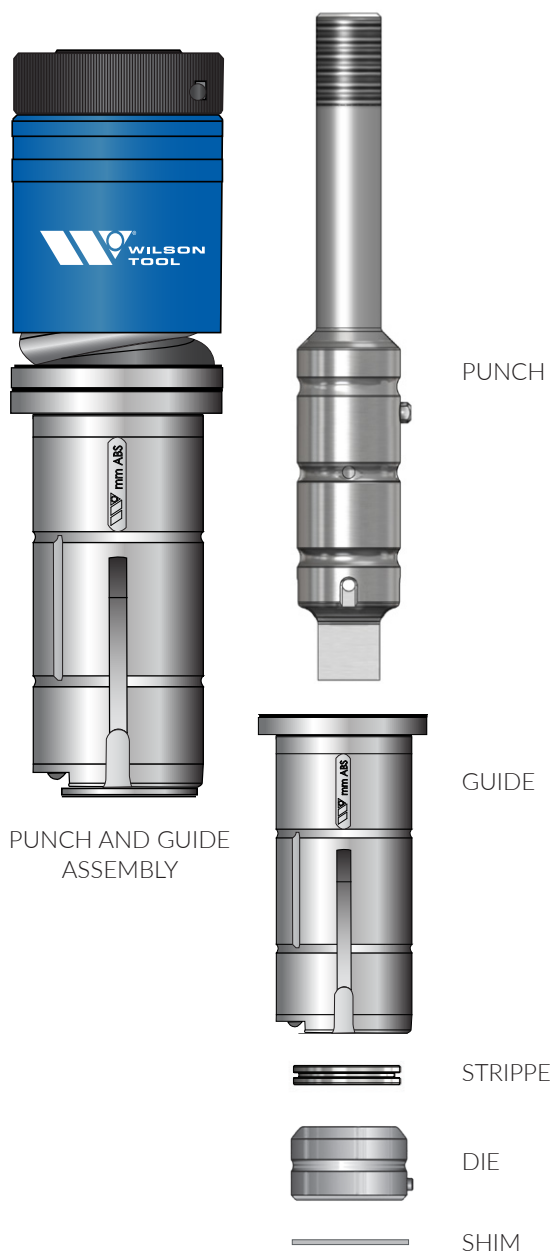
## 25 STANDARD SHAPES





	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.76 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	O-Ring Round Shape (shown)	971303 13069
7	Punch	See Opposite Page
8	Dowel Pin for 13059 Dowel Pin for 13858	6015 2150
9	Spring Support	13078
10	Spring	13079
11	Socket Head Cap Screw	970476
12	Punch Head Assembly	14193
13	Polyurethane Plug	974213



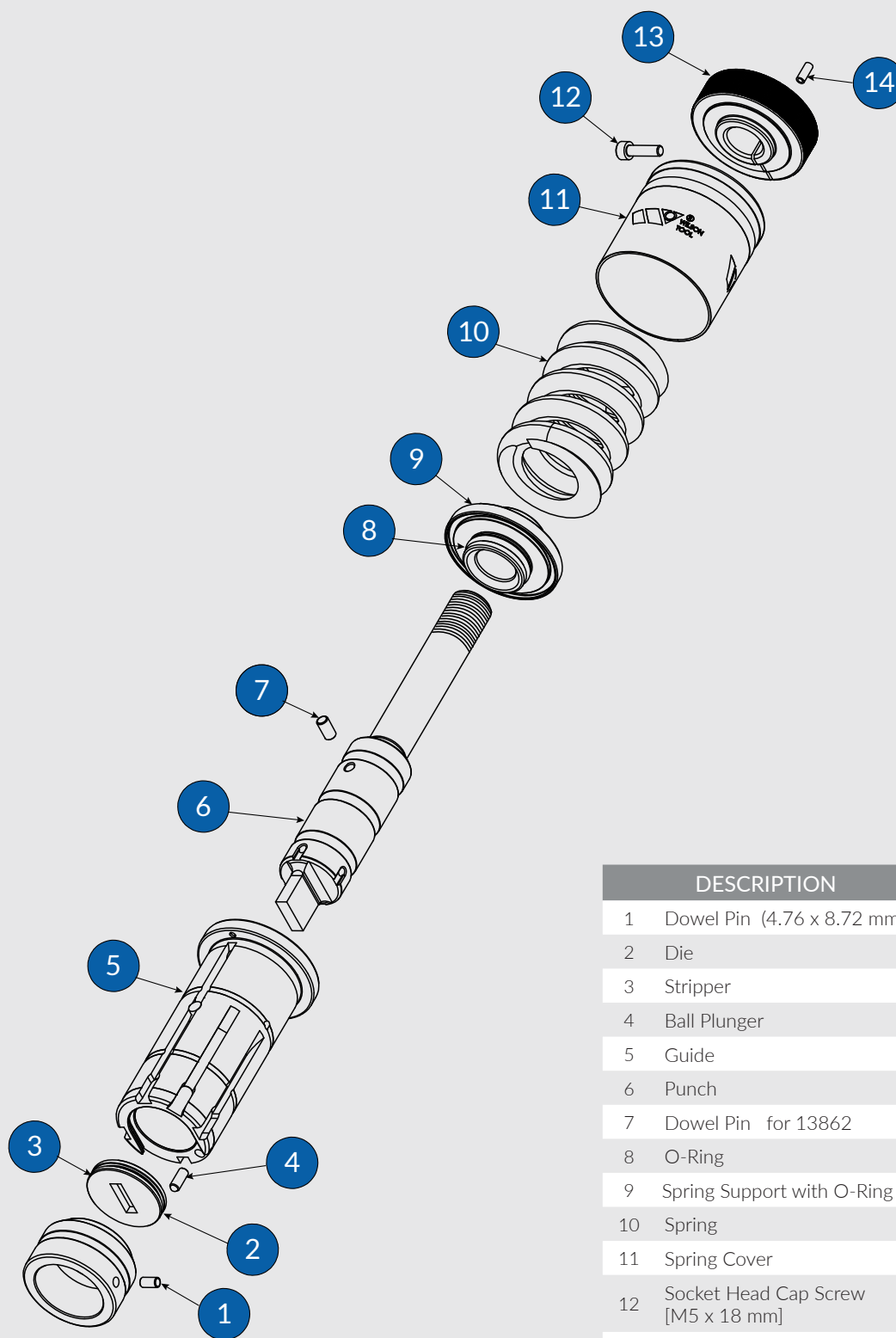


PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13090		13860	
Shape	13092		13862	
Optima® Coating				
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2185		13828	
Shape	2184		13872	
Optima® Coating				
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13413		13097	
Shape 0°	13414		13098	
Shape 0° & 45°	13415		13099	
Shape 0° & 90°	13416		13100	
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1890		2433	
Shape	1917		2432	
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2194			
Round Standard	2021			
Shape Slug Hugger®*	2195			
Shape Standard	13804			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
PUNCH SHIM		CAT. NO.	PRICE	
1.5 mm	single	152		
1.5 mm	pack of 25	98		
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2097		
0.76 mm	single	2723		
1.50 mm	single	2100		
0.25 mm	pack of 25	2209		
0.76 mm	pack of 25	2724		
1.50 mm	pack of 25	2173		
Additional charges may apply to non-standard features.				

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features.	31.75 mm 	6.35 mm 	

## 25 STANDARD SHAPES

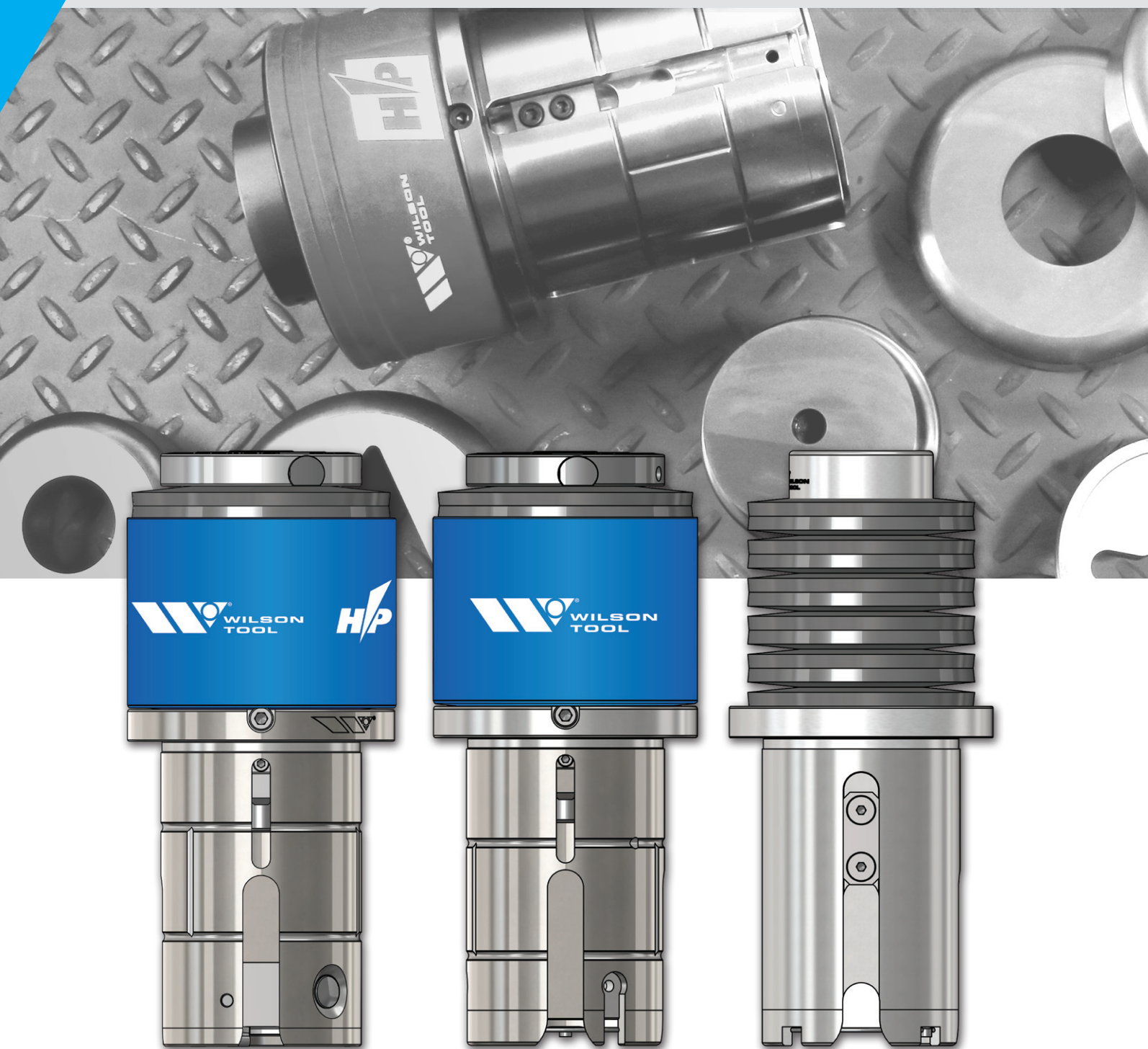




	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.76 x 8.72 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin for 13862	2131
8	O-Ring	24295
9	Spring Support with O-Ring	13411
10	Spring	35122
11	Spring Cover	2732
12	Socket Head Cap Screw [M5 x 18 mm]	6449
13	Punch Head Assembly	14195
14	Polyurethane Plug	13868



# METRIC THICK TURRET TOOLING



# METRIC THICK TURRET TOOLING

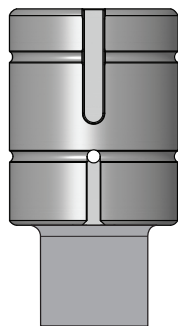


## METRIC STYLE TOOLING SOLUTIONS

LARGE STATION ADVANTAGES	HP	STANDARD	BASIX
Up to 50% more bearing surface to reduce side loading	●	●	●
Internal and external lubrication	●	●	●
External keyways at 0°, 90°, and 225°	●	●	●
OEM compatible	●	●	●
Punches made from premium hardened tool steel	●	●	●
Optima® coated punches available	●	●	●
Relieved strippers for maximum grind life	●	●	●
Made from hardened tool steel for increased durability	●	●	
Optima® coated keys for superior wear resistance	●	●	
Fast and simple push button length adjustment	●	●	
ABS machine lubrication capability	●	●	
Push button lock release for quick stripper plate removal	●		



GUIDE  
ASSEMBLY



PUNCH



STRIPPER



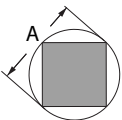
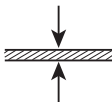
DIE



SHIM

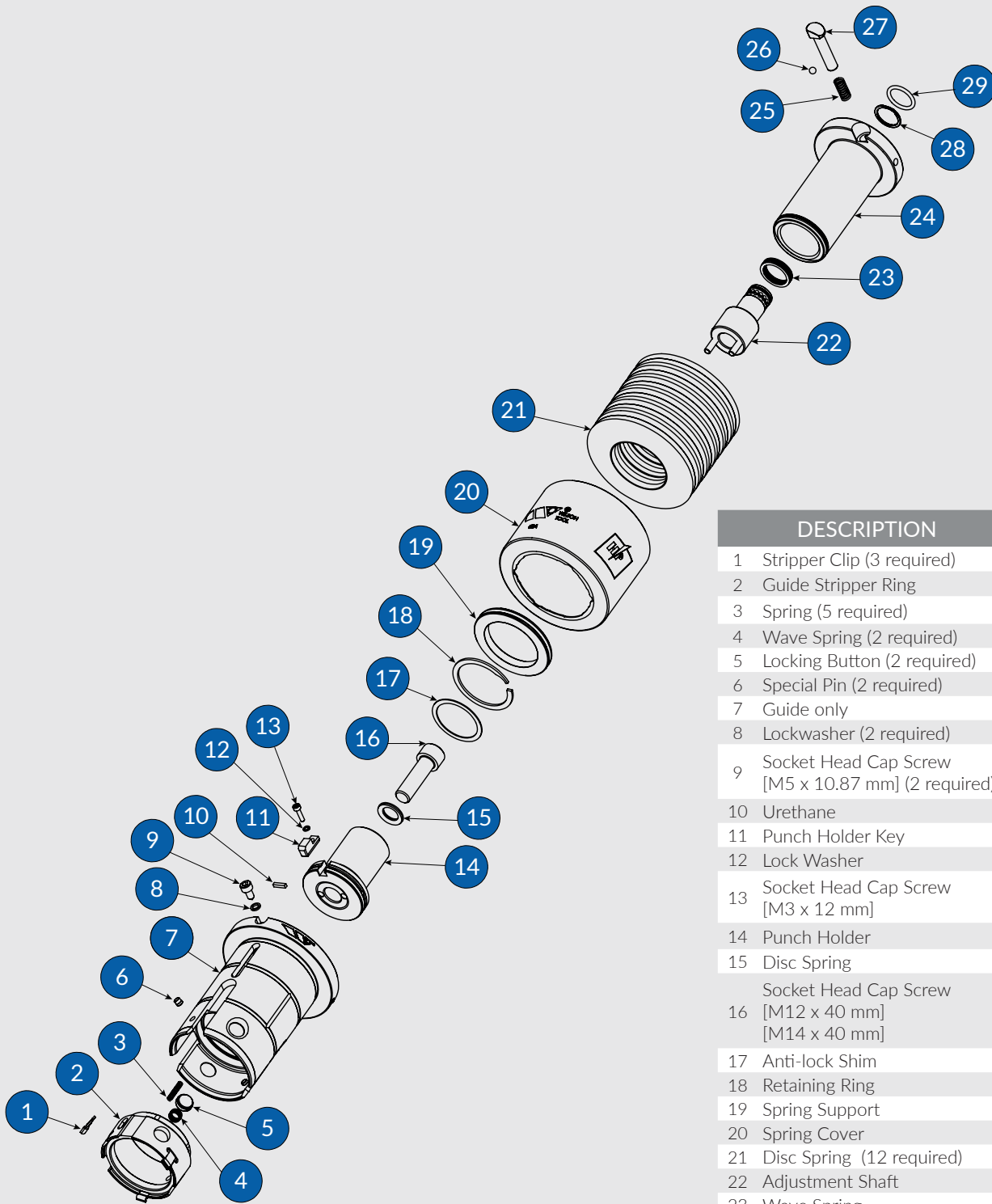
GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5577		13829	
PUNCH			CAT. NO.	PRICE
Round	1933		13614	
Shape	1934		13615	
Optima® Coating				
STRIPPER			CAT. NO.	PRICE
Round	1848		5150	
Shape	1854		5151	
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2196			
Round Standard	1850			
Shape Slug Hugger®*	2197			
Shape Standard	13807			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM			CAT. NO.	PRICE
0.25 mm	single	2089		
0.76 mm	single	2725		
1.50 mm	single	2092		
0.25 mm	pack of 10	2210		
0.76 mm	pack of 10	2726		
1.50 mm	pack of 10	2174		

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP has a push button release for quick stripper plate removal.  Guide assemblies are keyed for shapes at 0°, 90° and 225°.	50.8 mm 	6.35 mm 	All punches shipped with no shear unless specified.  13829 assembly includes M-14 bolt fitted and M-12 bolt as spare.

## 25 STANDARD SHAPES



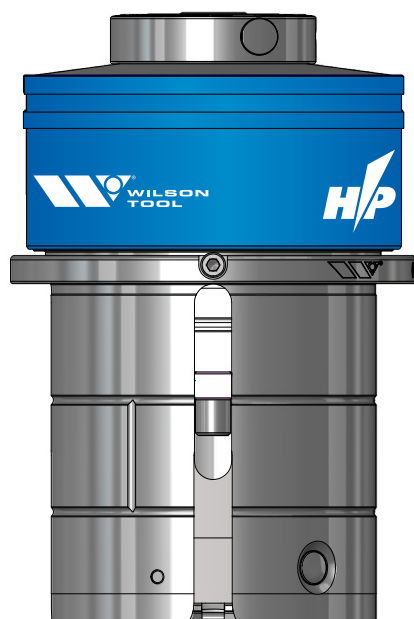
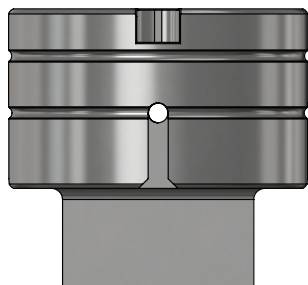


Cat. No. 5509 Guide Unit Assembly includes:  
1, 2, 3, 5, 6, 7, 8 & 9

Cat. No. 5724 Driver Assembly includes:  
18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29

	DESCRIPTION	CAT. NO.
1	Stripper Clip (3 required)	5521
2	Guide Stripper Ring	5520
3	Spring (5 required)	971694
4	Wave Spring (2 required)	8155
5	Locking Button (2 required)	5519
6	Special Pin (2 required)	5522
7	Guide only	5518
8	Lockwasher (2 required)	2112
9	Socket Head Cap Screw [M5 x 10.87 mm] (2 required)	5197
10	Urethane	2020643
11	Punch Holder Key	5373
12	Lock Washer	6327
13	Socket Head Cap Screw [M3 x 12 mm]	6326
14	Punch Holder	5556
15	Disc Spring	971690
16	Socket Head Cap Screw [M12 x 40 mm] [M14 x 40 mm]	6605 13843
17	Anti-lock Shim	5412
18	Retaining Ring	972570
19	Spring Support	5748
20	Spring Cover	5517
21	Disc Spring (12 required)	5744
22	Adjustment Shaft	5735
23	Wave Spring	971692
24	Punch Driver	5736
25	Spring	972396
26	Adjustment Locking Ball	972420
27	Adjustment Push Button	10539
28	Retaining Ring	972441
29	O-Ring	972430




GUIDE  
ASSEMBLY


PUNCH



STRIPPER



DIE

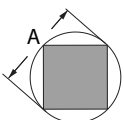
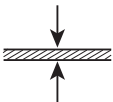


SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5578		13830	
PUNCH			CAT. NO.	PRICE
Round	1937		13616	
Shape	1938		13617	
Optima® Coating				
STRIPPER			CAT. NO.	PRICE
Round	1864		5152	
Shape	1869		5153	
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2198			
Round Standard	1865			
Shape Slug Hugger®*	2199			
Shape Standard	13810			
Ultima® Add on				
DIE SHIM			CAT. NO.	PRICE
0.25 mm single	2081			
0.76 mm single	2727			
1.50 mm single	2084			
0.25 mm pack of 5	2211			
0.76 mm pack of 5	2728			
1.50 mm pack of 5	2175			

\* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
<p>HP has a push button release for quick stripper plate removal.</p> <p>Guide assemblies are keyed for shapes at 0°, 90° and 225°.</p>	<p>88.9 mm</p> 	<p>6.35 mm</p> 	<p>1.6 mm rooftop shear is given to all punches with 'A' dimension &gt; 50.8 mm and width &gt; 6.35 mm.</p> <p>13830 assembly includes M-14 bolt fitted and M-12 bolt as spare.</p>

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



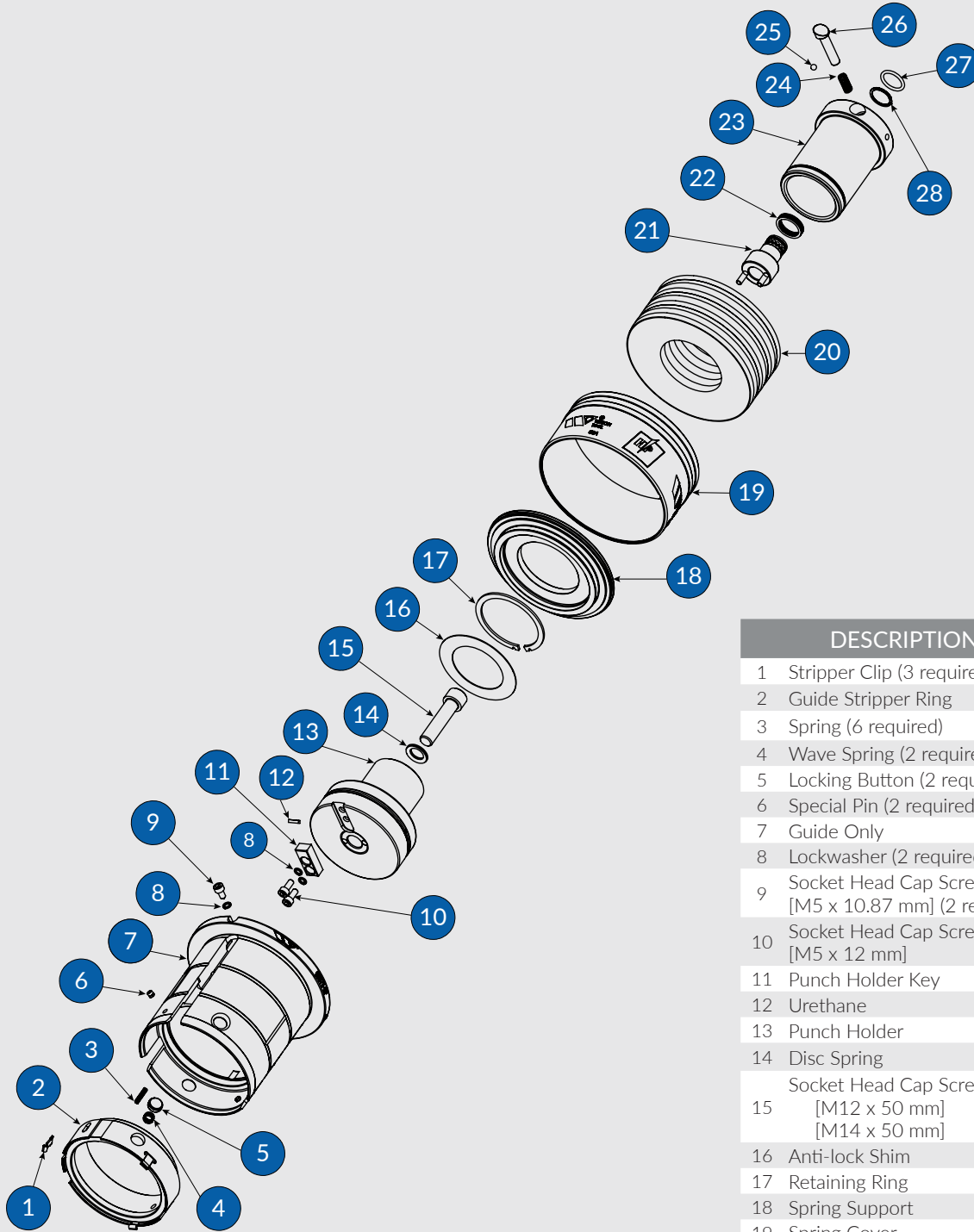
LD



OB



DD



Cat. No. 5524 Guide Unit Assembly includes:  
1, 2, 3, 5, 6, 7, 8 & 9

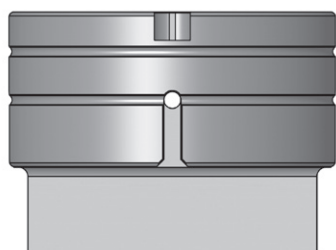
Cat. No. 5730 Driver Assembly includes:  
17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 & 28

DESCRIPTION	CAT. NO.
1 Stripper Clip (3 required)	5521
2 Guide Stripper Ring	5528
3 Spring (6 required)	971694
4 Wave Spring (2 required)	8155
5 Locking Button (2 required)	5519
6 Special Pin (2 required)	5522
7 Guide Only	5527
8 Lockwasher (2 required)	2112
9 Socket Head Cap Screw [M5 x 10.87 mm] (2 required)	5197
10 Socket Head Cap Screw [M5 x 12 mm]	6110
11 Punch Holder Key	1862
12 Urethane	2020643
13 Punch Holder	5558
14 Disc Spring	971690
15 Socket Head Cap Screw [M12 x 50 mm]	970467
15 Socket Head Cap Screw [M14 x 50 mm]	13844
16 Anti-lock Shim	5413
17 Retaining Ring	5747
18 Spring Support	5748
19 Spring Cover	5561
20 Disc Spring (7 required)	5449
21 Adjustment Shaft	5739
22 Wave Spring	971692
23 Punch Driver	5740
24 Spring	972396
25 Adjustment Locking Ball	972420
26 Adjustment Push Button	5737
27 O-Ring	972430
28 Retaining Ring	972441





GUIDE ASSEMBLY



PUNCH



STRIPPER



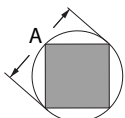
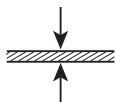
DIE



SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5579		13831	
PUNCH			CAT. NO.	PRICE
Round	1941		13618	
Shape	1942		13619	
Optima® Coating				
STRIPPER			CAT. NO.	PRICE
Round	1877		5154	
Shape	1882		5155	
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2200			
Round Standard	1878			
Shape Slug Hugger®*	2201			
Shape Standard	13817			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2073		
0.76 mm	single	2729		
1.50 mm	single	2076		
0.25 mm	pack of 5	2212		
0.76 mm	pack of 5	2730		
1.50 mm	pack of 5	2176		

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP has a push button release for quick stripper plate removal. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	114.3 mm 	6.35 mm 	1.6 mm rooftop shear is given to all punches with 'A' dimension > 50.8 mm and width > 6.35 mm. 13831 includes M-14 bolt fitted and M-12 bolt as spare.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



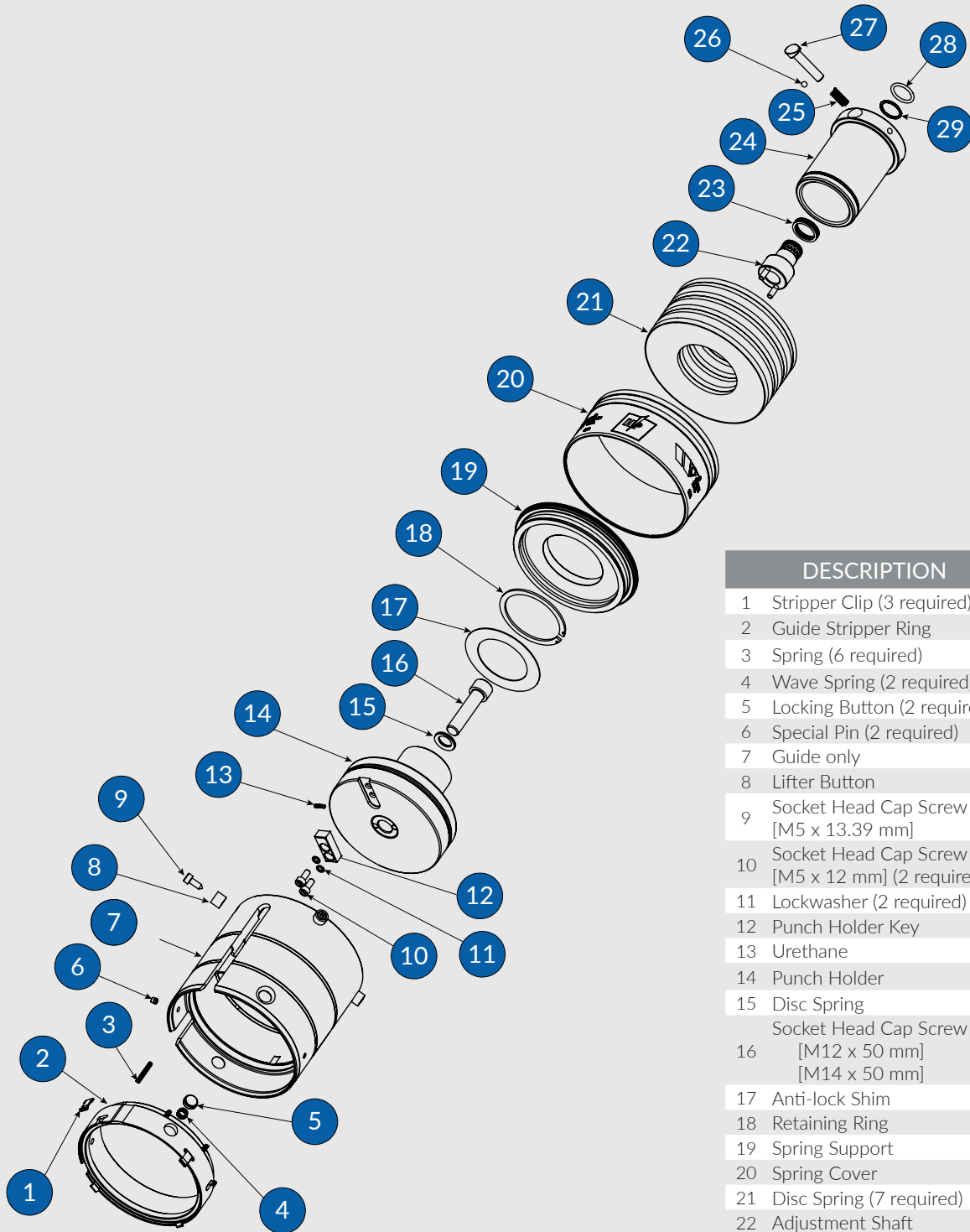
LD



OB



DD



**Cat. No. 5524** Guide Unit Assembly includes:  
1, 2, 3, 5, 6, 7, 8 & 9

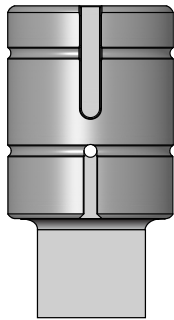
**Cat. No. 5730** Driver Assembly includes:  
18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29

	DESCRIPTION	CAT. NO.
1	Stripper Clip (3 required)	5521
2	Guide Stripper Ring	5528
3	Spring (6 required)	971694
4	Wave Spring (2 required)	8155
5	Locking Button (2 required)	5519
6	Special Pin (2 required)	5522
7	Guide only	5537
8	Lifter Button	5209
9	Socket Head Cap Screw [M5 x 13.39 mm]	5210
10	Socket Head Cap Screw [M5 x 12 mm] (2 required)	6110
11	Lockwasher (2 required)	2112
12	Punch Holder Key	1862
13	Urethane	2020643
14	Punch Holder	5560
15	Disc Spring	971690
16	Socket Head Cap Screw [M12 x 50 mm] [M14 x 50 mm]	970467 13844
17	Anti-lock Shim	5413
18	Retaining Ring	5747
19	Spring Support	5741
20	Spring Cover	5561
21	Disc Spring (7 required)	5449
22	Adjustment Shaft	5739
23	Wave Spring	971692
24	Punch Driver	5742
25	Spring	972396
26	Adjustment Locking Ball	972420
27	Adjustment Push Button	5737
28	O-Ring	972430
29	Retaining Ring	972441





GUIDE  
ASSEMBLY



PUNCH



STRIPPER



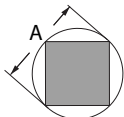
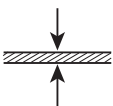
DIE



SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Standard	5583		13084	
PUNCH			CAT. NO.	PRICE
Round	1933		13614	
Shape	1934		13615	
Optima® Coating				
STRIPPER			CAT. NO.	PRICE
Round	1848		5150	
Shape	1854		5151	
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2196			
Round Standard	1850			
Shape Slug Hugger®*	2197			
Shape Standard	13807			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2089		
0.76 mm	single	2725		
1.50 mm	single	2092		
0.25 mm	pack of 10	2210		
0.76 mm	pack of 10	2726		
1.50 mm	pack of 10	2174		

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Standard assembly strippers are held in by a stripper ring or clips. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	50.8 mm 	6.35 mm 	All punches shipped with no shear unless specified. Full assemblies ship with guide stripper ring installed. Spring clips are also included. 5583 and 5592 include 1/2-13 bolt. 13084 includes M-12 bolt.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



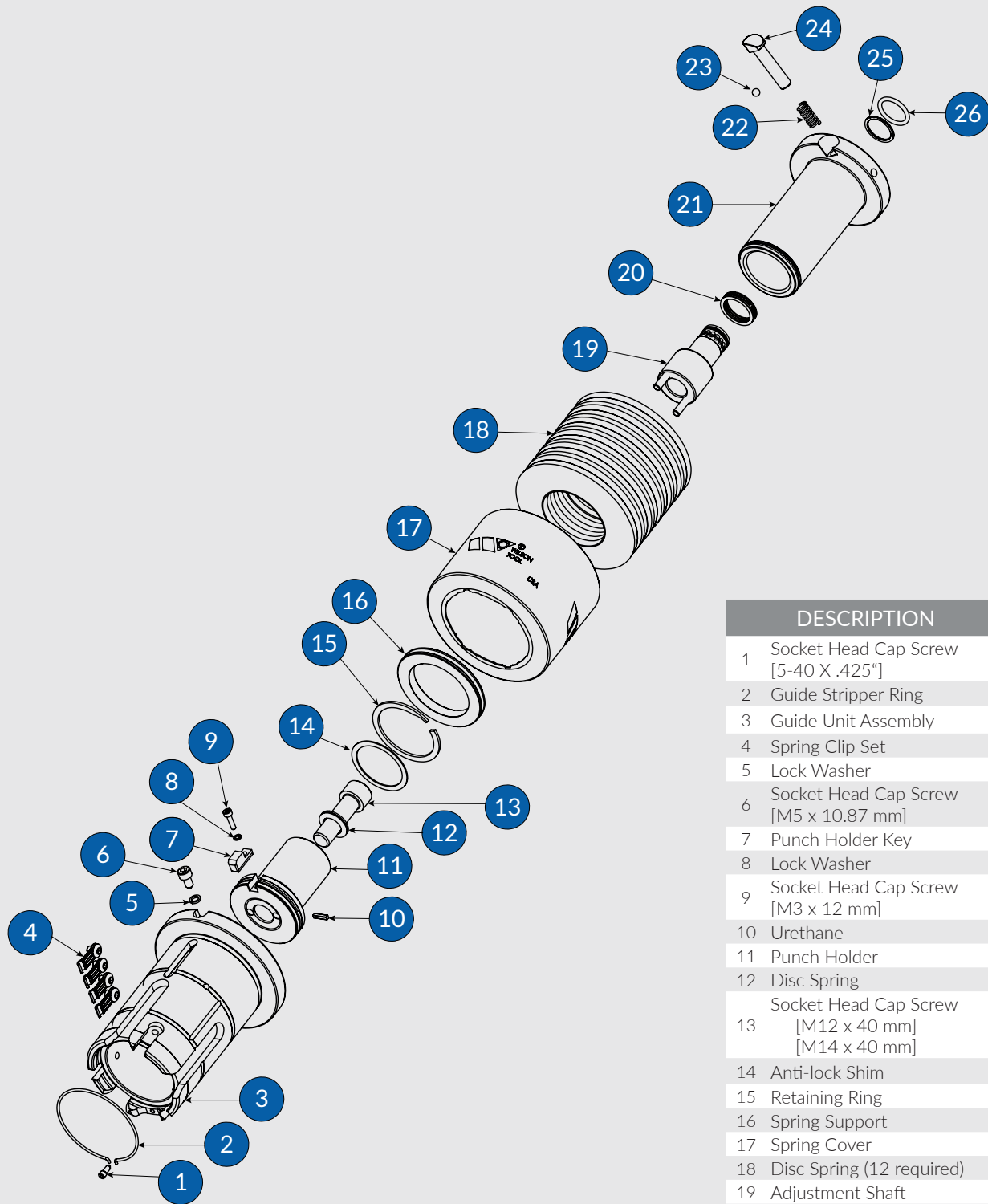
LD



OB



DD



Cat. No. 5420

Guide Unit Assembly includes:

1, 2, 5, &amp; 6

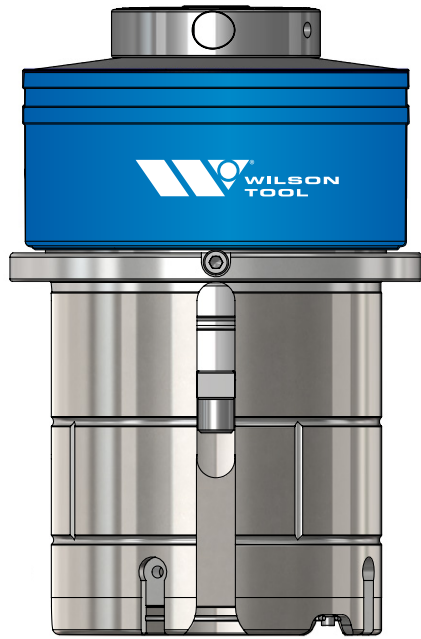
Cat. No. 5729

Driver Assembly includes:

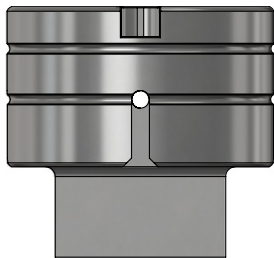
16, 17, 18, 19, 20, 21, 22, 23, 24, &amp; 25

DESCRIPTION	CAT. NO.
1 Socket Head Cap Screw [5-40 X .425"]	429
2 Guide Stripper Ring	5035
3 Guide Unit Assembly	5420
4 Spring Clip Set	2810
5 Lock Washer	2112
6 Socket Head Cap Screw [M5 x 10.87 mm]	5197
7 Punch Holder Key	5373
8 Lock Washer	6327
9 Socket Head Cap Screw [M3 x 12 mm]	6326
10 Urethane	6116
11 Punch Holder	5556
12 Disc Spring	971690
13 Socket Head Cap Screw [M12 x 40 mm]	6605
[M14 x 40 mm]	13843
14 Anti-lock Shim	5412
15 Retaining Ring	972570
16 Spring Support	5748
17 Spring Cover	5693
18 Disc Spring (12 required)	5744
19 Adjustment Shaft	5735
20 Wave Spring	971692
21 Punch Driver	5736
22 Spring	972396
23 Adjustment Locking Ball	972420
24 Adjustment Push Button	10539
25 Retaining Ring	972441
26 O-Ring	972430





GUIDE  
ASSEMBLY



PUNCH



STRIPPER



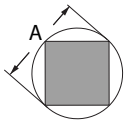
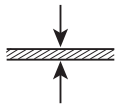
DIE



SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5584		13085	
PUNCH			CAT. NO.	PRICE
Round	1937		13616	
Shape	1938		13617	
Optima® Coating				
STRIPPER			CAT. NO.	PRICE
Round	1864		5152	
Shape	1869		5153	
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2198			
Round Standard	1865			
Shape Slug Hugger®*	2199			
Shape Standard	13810			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM			CAT. NO.	PRICE
0.25 mm	single	2081		
0.76 mm	single	2727		
1.50 mm	single	2084		
0.25 mm	pack of 5	2211		
0.76 mm	pack of 5	2728		
1.50 mm	pack of 5	2175		

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Standard assembly strippers are held in by a stripper ring or clips. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	88.9 mm 	6.35 mm 	1.6 mm rooftop shear is given to all punches with 'A' dimension > 50.8 mm and width > 6.35 mm. 5584 and 5593 include 1/2-13 bolt. 13085 includes M-12 bolt.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



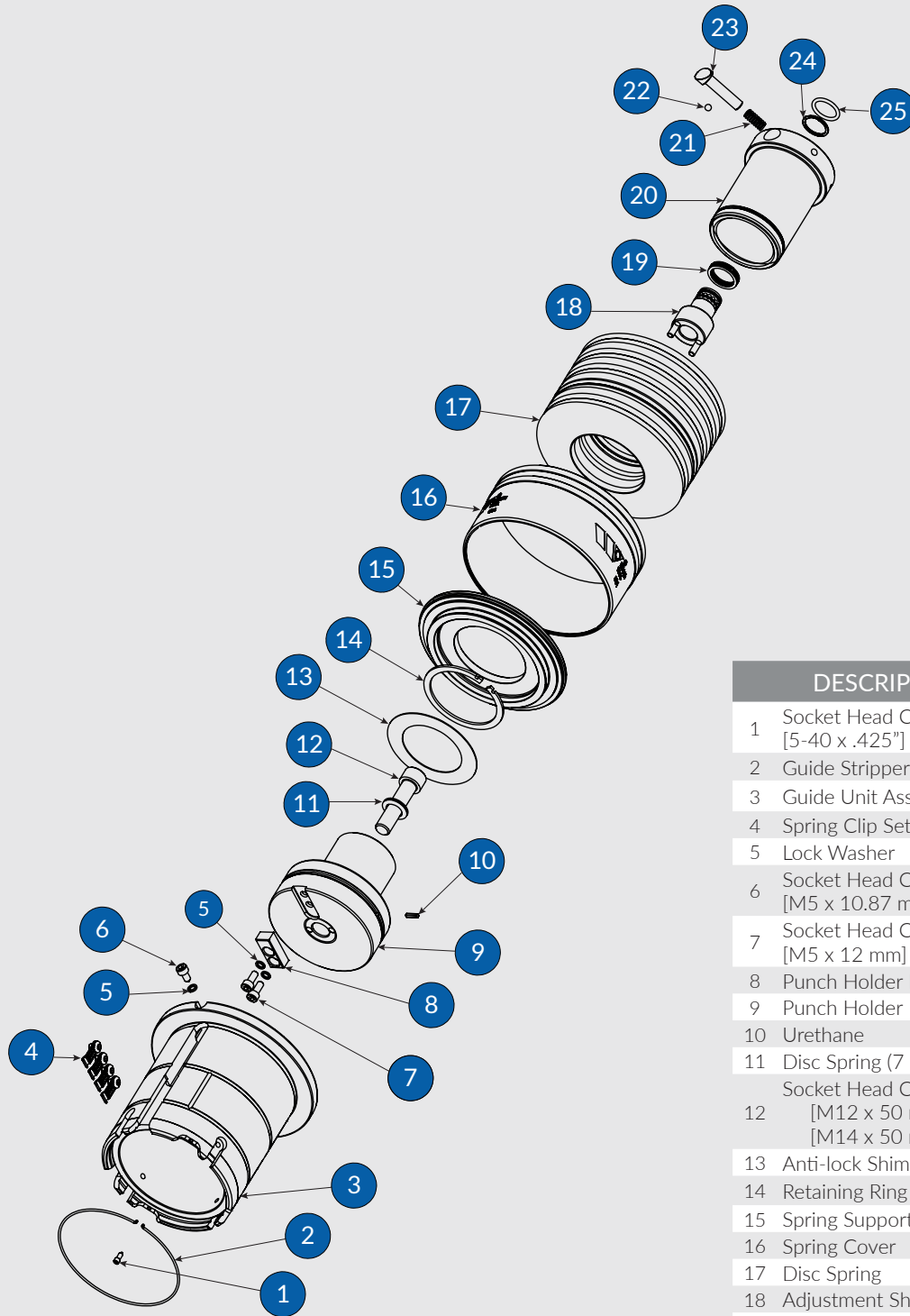
LD



OB



DD



Cat. No. 5430 Guide Unit Assembly includes:  
1, 2, 5, & 6

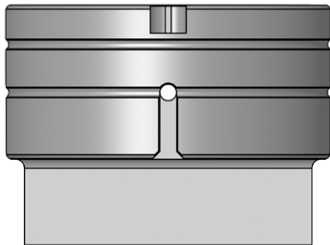
Cat. No. 5730 Driver Assembly includes:  
14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, & 25

	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw [5-40 x .425"]	429
2	Guide Stripper Ring	5036
3	Guide Unit Assembly	5430
4	Spring Clip Set	2810-1
5	Lock Washer	2112
6	Socket Head Cap Screw [M5 x 10.87 mm]	5197
7	Socket Head Cap Screw [M5 x 12 mm]	6110
8	Punch Holder Key	1862
9	Punch Holder	5558
10	Urethane	6116
11	Disc Spring (7 required)	971690
12	Socket Head Cap Screw [M12 x 50 mm] [M14 x 50 mm]	970467 13844
13	Anti-lock Shim	5413
14	Retaining Ring	5747
15	Spring Support	5738
16	Spring Cover	5423
17	Disc Spring	5449
18	Adjustment Shaft	5739
19	Wave Spring	971692
20	Punch Driver	5740
21	Spring	972396
22	Adjustment Locking Ball	972420
23	Adjustment Push Button	5737
24	Retaining Ring	972441
25	O-Ring	972430





GUIDE  
ASSEMBLY



PUNCH



STRIPPER



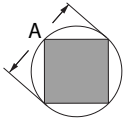
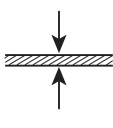
DIE



SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5585		13088	
PUNCH			CAT. NO.	PRICE
Round	1941		13618	
Shape	1942		13619	
Optima® Coating				
STRIPPER			CAT. NO.	PRICE
Round	1877		5154	
Shape	1882		5155	
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2200			
Round Standard	1878			
Shape Slug Hugger®*	2201			
Shape Standard	13817			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM			CAT. NO.	PRICE
0.25 mm	single	2073		
0.76 mm	single	2729		
1.50 mm	single	2076		
0.25 mm	pack of 5	2212		
0.76 mm	pack of 5	2730		
1.50 mm	pack of 5	2176		

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Standard assembly strippers are held in by a stripper ring or clips.  Guide assemblies are keyed for shapes at 0°, 90° and 225°.	114.3 mm 	6.35 mm 	1.6 mm rooftop shear is given to all punches with 'A' dimension > 50.8 mm and width > 6.35 mm.  5585 and 5594 include 1/2-13 bolt.  13088 includes M-12 bolt.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



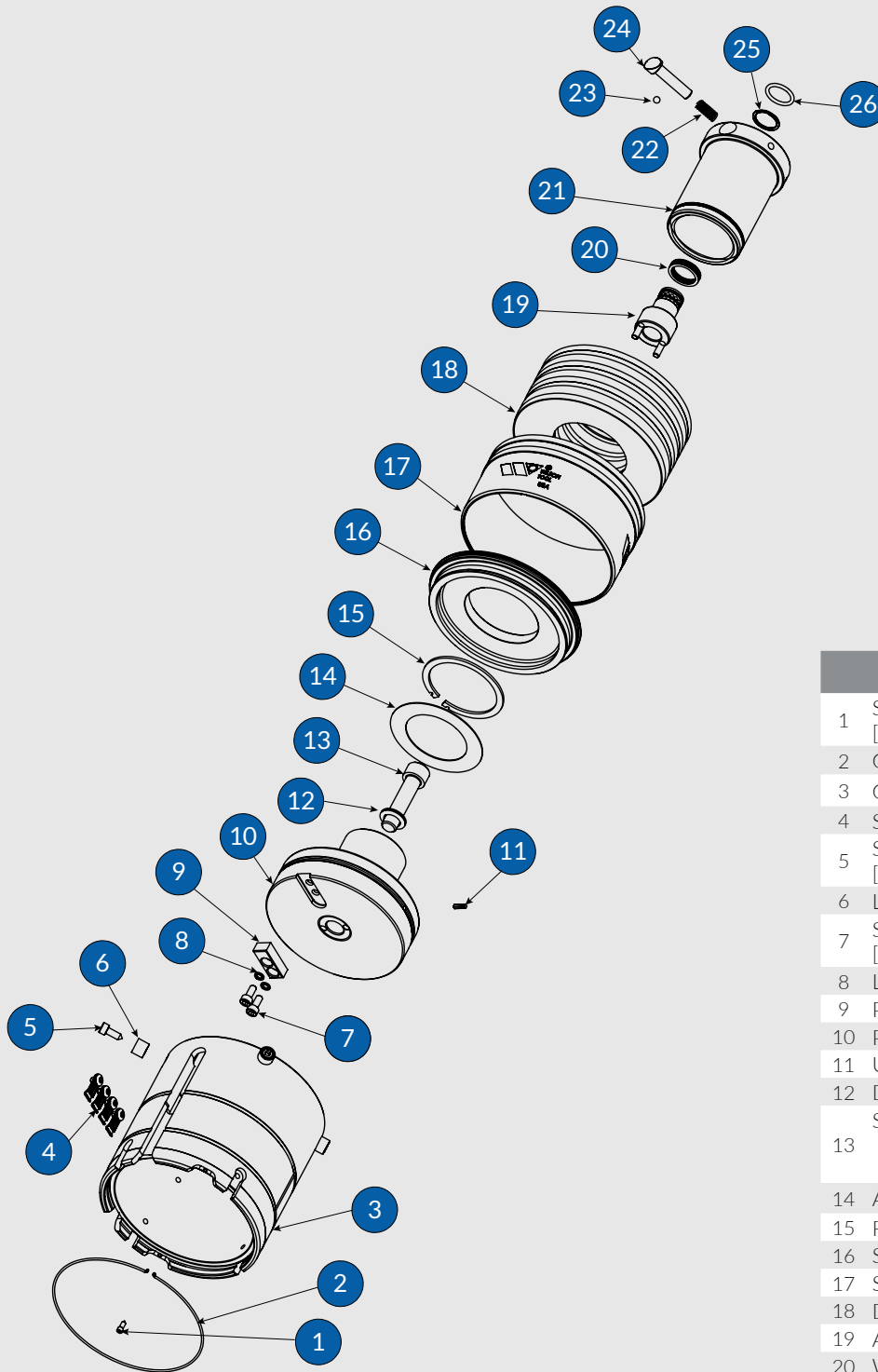
LD



OB



DD

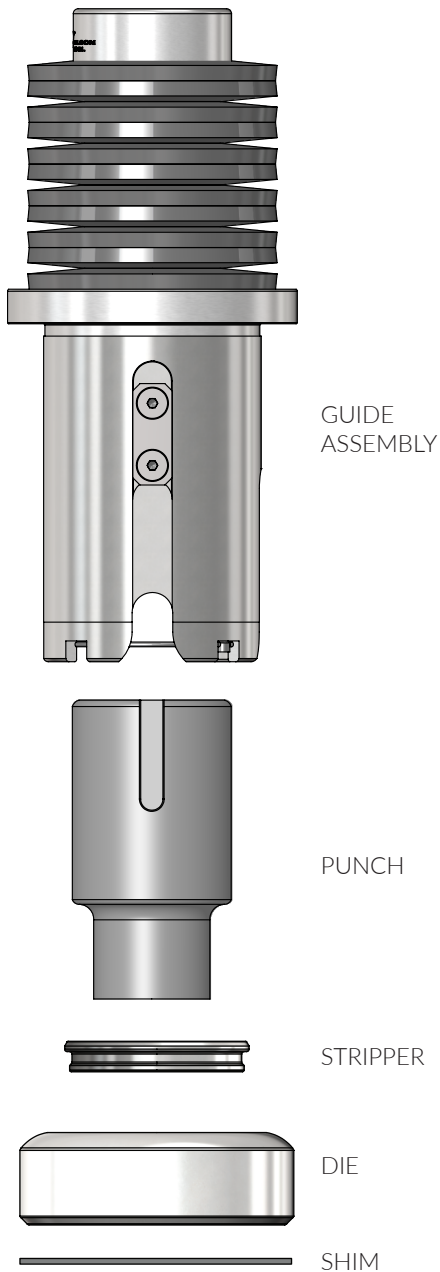


Cat. No. 5438 Guide Unit Assembly includes:  
1, 2, 3, 5 & 6

Cat. No. 5731 Driver Assembly includes:  
18, 19, 20, 21, 22, 23, 24, 25 & 26

	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw [5-40 X .425"]	429
2	Guide Stripper Ring	5037
3	Guide Unit Assembly	5438
4	Spring Clip Set	2810-1
5	Socket Head Cap Screw [M5 x 13.39 mm]	5210
6	Lifter Button	5209
7	Socket Head Cap Screw [M5 x 12 mm]	6110
8	Lock Washer	2112
9	Punch Holder Key	1862
10	Punch Holder	5560
11	Urethane	6116
12	Disc Spring	971690
13	Socket Head Cap Screw [M12 x 50 mm] [M14 x 50 mm]	970467 13844
14	Anti-lock Shim	5413
15	Retaining Ring	5747
16	Spring Support	5741
17	Spring Cover	5423
18	Disc Spring (7 required)	5449
19	Adjustment Shaft	5739
20	Wave Spring	971692
21	Punch Driver	5742
22	Spring	972396
23	Adjustment Locking Ball	972420
24	Adjustment Push Button	5737
25	Retaining Ring	972441
26	O-Ring	972430

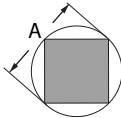
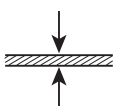




GUIDE ASSEMBLY		CAT. NO.	PRICE
Assembly		1842	
PUNCH		CAT. NO.	PRICE
Round		1933	
Shape		1934	
Optima® Coating			
PUNCH SHIM		CAT. NO.	PRICE
Single		2096	
Pack of 10		2169	
STRIPPER		CAT. NO.	PRICE
Round		1848	
Shape		1854	
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		2196	
Round Standard		1850	
Shape Slug Hugger®*		2197	
Shape Standard		13807	
Ultima® Add on			
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2089	
0.76 mm	single	2725	
1.50 mm	single	2092	
0.25 mm	pack of 10	2210	
0.76 mm	pack of 10	2726	
1.50 mm	pack of 10	2174	

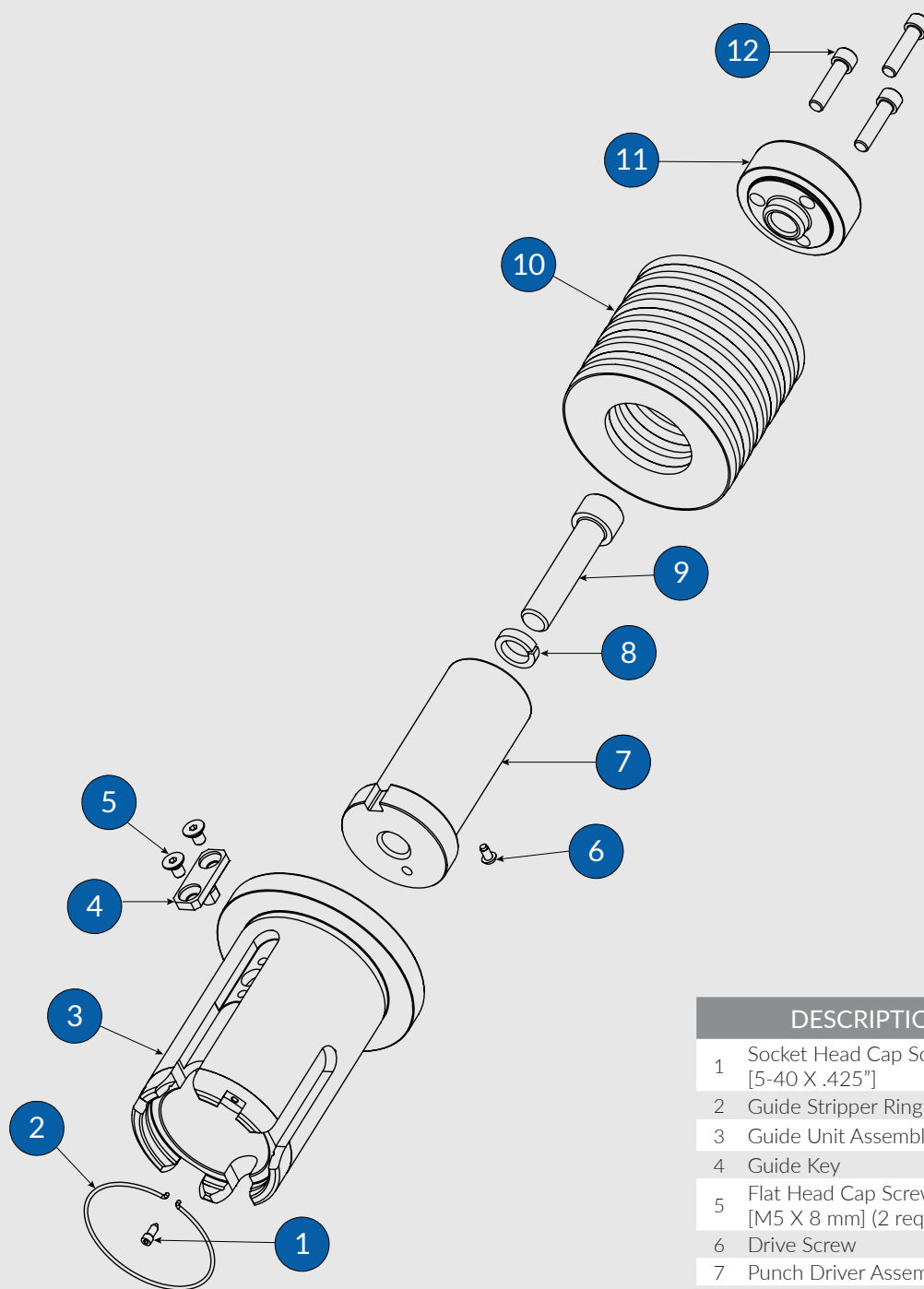
\* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	50.8 mm 	6.35 mm 	All punches shipped with no shear unless specified. 1842 assembly includes 1/2-13 bolt.

## 25 STANDARD SHAPES

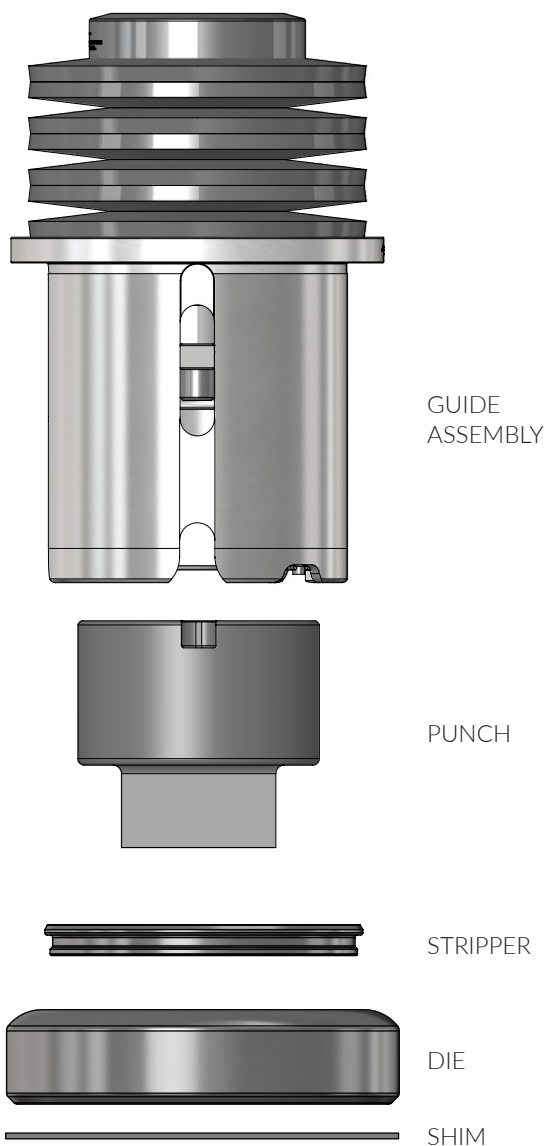




Cat. No. 1846 Guide Unit Assembly includes:  
1, 2, 4 & 5  
Cat. No. 1845 Driver Assembly includes:  
6 & 7

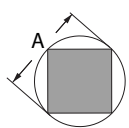
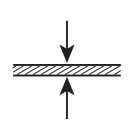
	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw [5-40 X .425"]	429
2	Guide Stripper Ring	5035
3	Guide Unit Assembly	1846
4	Guide Key	1834
5	Flat Head Cap Screw [M5 X 8 mm] (2 required)	6567
6	Drive Screw	6666
7	Punch Driver Assembly	1845
8	Lock Washer	432
9	Socket Head Cap Screw [M12 x 55 mm ] [1/2-13 X 2.250"]	6026 6002
10	Disc Spring (11 required)	1844
11	Punch Head	1843
12	Socket Head Cap Screw [.250-28 X 1.000"] (3 required)	6047





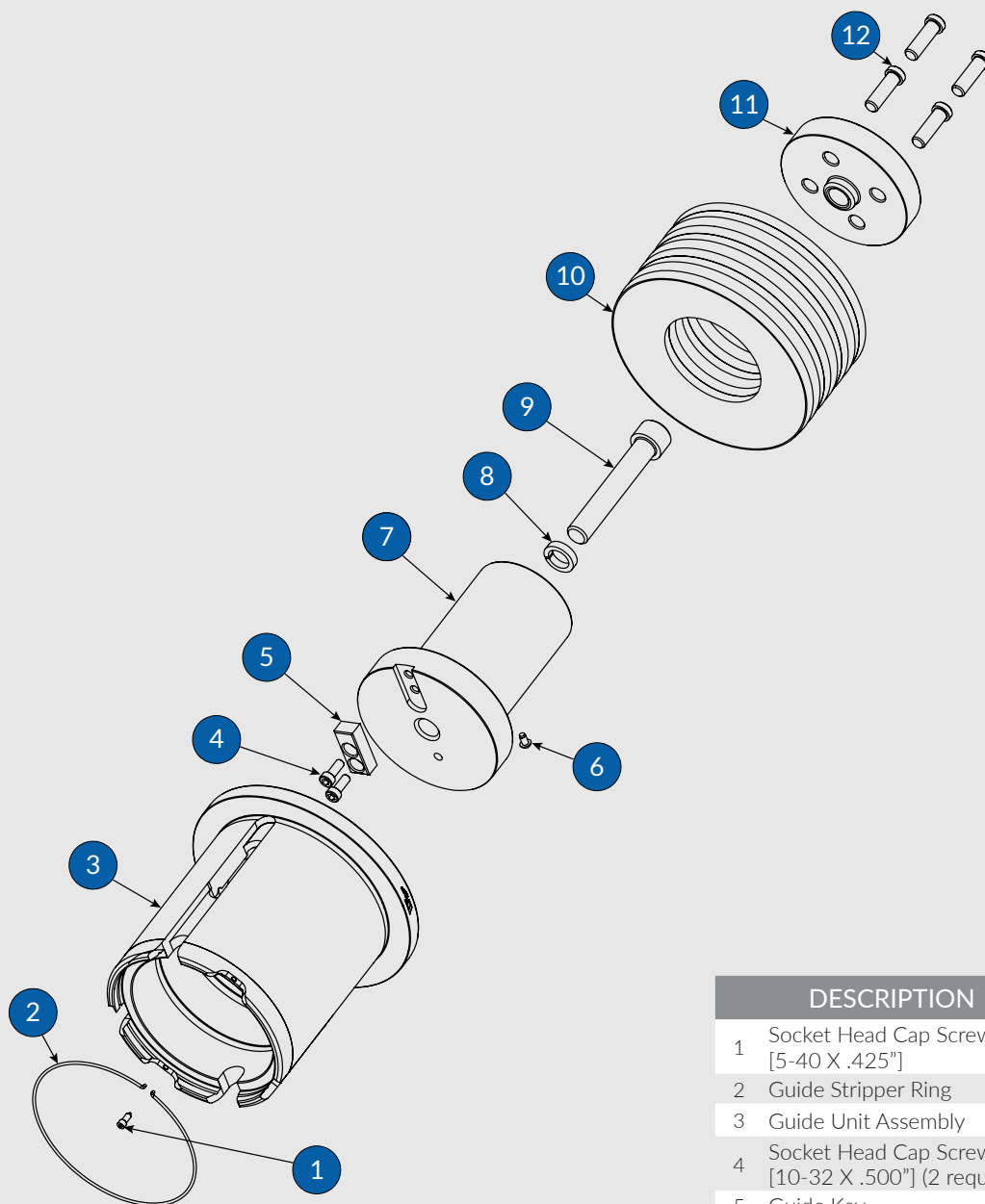
GUIDE ASSEMBLY		CAT. NO.	PRICE
Assembly		1857	
PUNCH		CAT. NO.	PRICE
Round		1937	
Shape		1938	
Optima® Coating			
PUNCH SHIM		CAT. NO.	PRICE
Single		2088	
Pack of 5		2170	
STRIPPER		CAT. NO.	PRICE
Round		1864	
Shape		1869	
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		2198	
Round Standard		1865	
Shape Slug Hugger®*		2199	
Shape Standard		13810	
Ultima® Add on			
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2081	
0.76 mm	single	2727	
1.50 mm	single	2084	
0.25 mm	pack of 5	2211	
0.76 mm	pack of 5	2728	
1.50 mm	pack of 5	2175	

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	88.9 mm 	6.35 mm 	1.6 mm rooftop shear is given to all punches with 'A' dimension > 50.8 mm and width > 6.35 mm. 1857 assembly includes 1/2-13 bolt.

## 25 STANDARD SHAPES



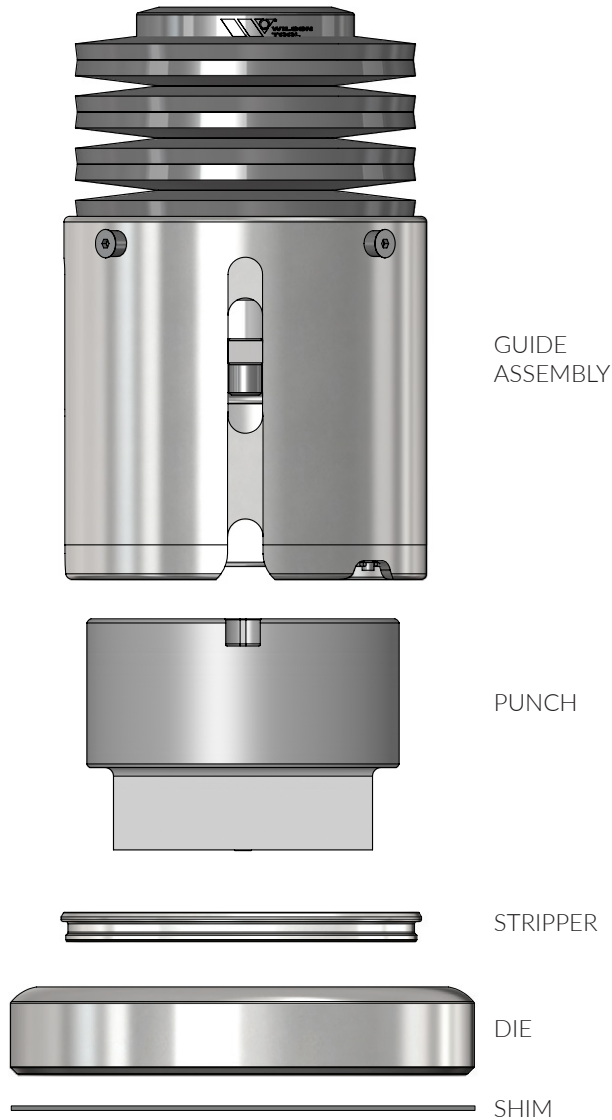


Cat. No. 1861 Guide Unit Assembly includes:  
1 & 2

Cat. No. 1860 Driver Assembly includes:  
6 & 7

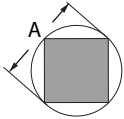
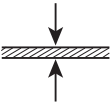
	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw [5-40 X .425"]	429
2	Guide Stripper Ring	5036
3	Guide Unit Assembly	1861
4	Socket Head Cap Screw [10-32 X .500"] (2 required)	6010
5	Guide Key	1862
6	Drive Screw	6666
7	Punch Driver Assembly	1860
8	Lock Washer	432
9	Socket Head Cap Screw (2) [M12 x 75 mm] [1/2-13 X 3.000"]	6027 6003
10	Disc Spring (7 required)	1859
11	Punch Head	1858
12	Low Head Cap Screw [.312-18 X 1.000"] (4 required)	6021





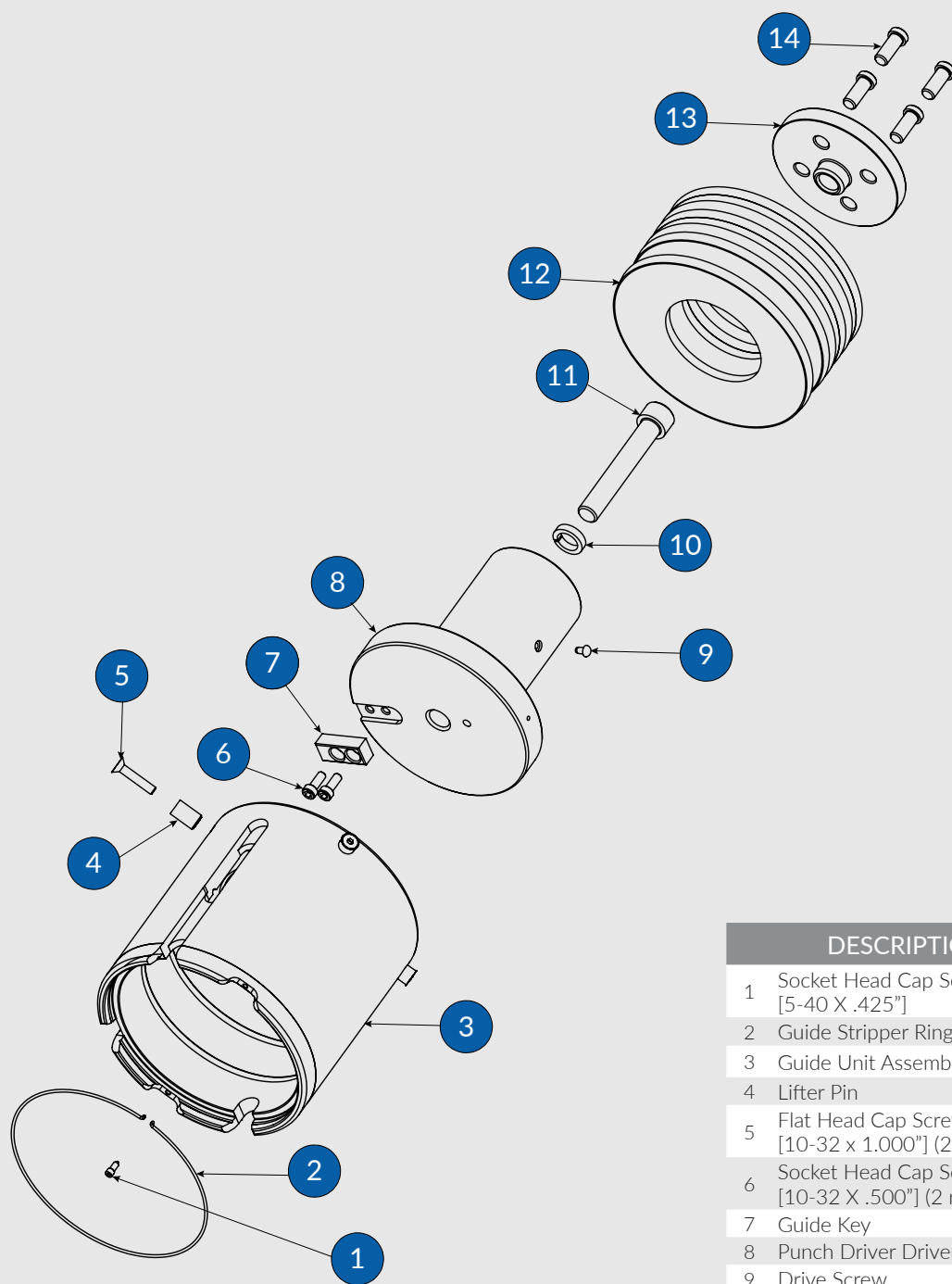
GUIDE ASSEMBLY		CAT. NO.	PRICE
Assembly		1872	
PUNCH		CAT. NO.	PRICE
Round		1941	
Shape		1942	
Optima® Coating			
PUNCH SHIM		CAT. NO.	PRICE
Single		2080	
Pack of 5		2171	
STRIPPER		CAT. NO.	PRICE
Round		1877	
Shape		1882	
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		2200	
Round Standard		1878	
Shape Slug Hugger®*		2201	
Shape Standard		13817	
Ultima® Add on			
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2073	
0.76 mm	single	2729	
1.50 mm	single	2076	
0.25 mm	pack of 5	2212	
0.76 mm	pack of 5	2730	
1.50 mm	pack of 5	2176	

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	114.3 mm 	6.35 mm 	1.6 mm rooftop shear is given to all punches with 'A' dimension > 50.8 mm and width > 6.35 mm. 1872 assembly includes 1/2-13 bolt.

## 25 STANDARD SHAPES





Cat. No. 1875 Guide Unit Assembly includes:  
1, 2, 4 & 5

Cat. No. 1874 Driver Assembly includes:  
8 & 9

	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw [5-40 X .425"]	429
2	Guide Stripper Ring	5037
3	Guide Unit Assembly	1875
4	Lifter Pin	1880
5	Flat Head Cap Screw [10-32 x 1.000"] (2 required)	2158
6	Socket Head Cap Screw [10-32 X .500"] (2 required)	6010
7	Guide Key	1862
8	Punch Driver Driver Assembly	1874
9	Drive Screw	6666
10	Lock Washer	432
11	Socket Head Cap Screw [M12 x 75 mm] [1/2-13 X 3.000"]	6027 6003
12	Disc Spring (7 required)	1859
13	Punch Head	1873
14	Low Head Cap Screw [.312-18 X .750"] (4 required)	6022



# WILSON THICK TURRET TOOLING



**HPX**



**H/P2**



**basix**

# WILSON THICK TURRET TOOLING



## WILSON STYLE TOOLING SOLUTIONS

SMALL STATION ADVANTAGES	HPX	HP2	BASIX
Hardened guides for increased durability	●	●	●
Simple tool-less stripper change	●	●	●
Relieved strippers for extended guide life	●	●	●
Optima® coated punches available	●	●	●
Slug Hugger® 2 - maximum slug retention	●	●	●
Internal and external tool lubrication	●	●	
Machine lubrication capability (ABS/WLS only, all HPX®)	●	●	
OEM compatible	●	●	
In machine adjustment for faster set ups	●	●	
Easy click length adjustment - no shims or tooling required	●	●	
Maximum available grind life	●	●	
EXP® quick change technology	●		
Made standard from Ultima® premium tool steel	●		
Accepts round or shaped punches in the same assembly	●		
Push button guide release	●		



PUNCH AND GUIDE ASSEMBLY



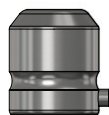
GUIDE



EXP PUNCH



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14936	
Shape	14937	
Optima® Coating		

SPRING PACK ASSEMBLY	CAT. NO.	PRICE
Spring Back Assembly only	14366	

GUIDE	CAT. NO.	PRICE
Round	14076X	
Shape 0°	14077X	
Shape 0° & 45°	14079X	
Shape 0° & 90°	14078X	

PUNCH	CAT. NO.	PRICE
Round	13904	
Shape	13905	
Optima® Coating		

STRIPPER	CAT. NO.	PRICE
Round	13045	
Shape	13152	

DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2192	
Round Standard	1808	
Shape Slug Hugger®*	2193	
Shape Standard	13801	
Ultima® Add on		

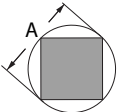
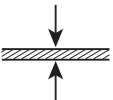
\* Slug Hugger dies must be ordered punch size plus clearance.  
Size restrictions apply.

DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2101	
0.76 mm single	2721	
1.50 mm single	2104	
0.25 mm pack of 25	2208	
0.76 mm pack of 25	2722	
1.50 mm pack of 25	2172	

Additional charges may apply to non-standard features.



See this tool in action on the  
Wilson Tool YouTube Channel

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HPX® tooling is Wilson Tool's 'Best' product. It is loaded with all the great features of the HP2 plus the EXP® quick change punch system with Ultima® tool steel.	12.7 mm 	3.81 mm 	Compatible with ABS and non-ABS machines.  Ultima® tool steel is standard in EXP® punches.  Ultima® tool steel is available for dies.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



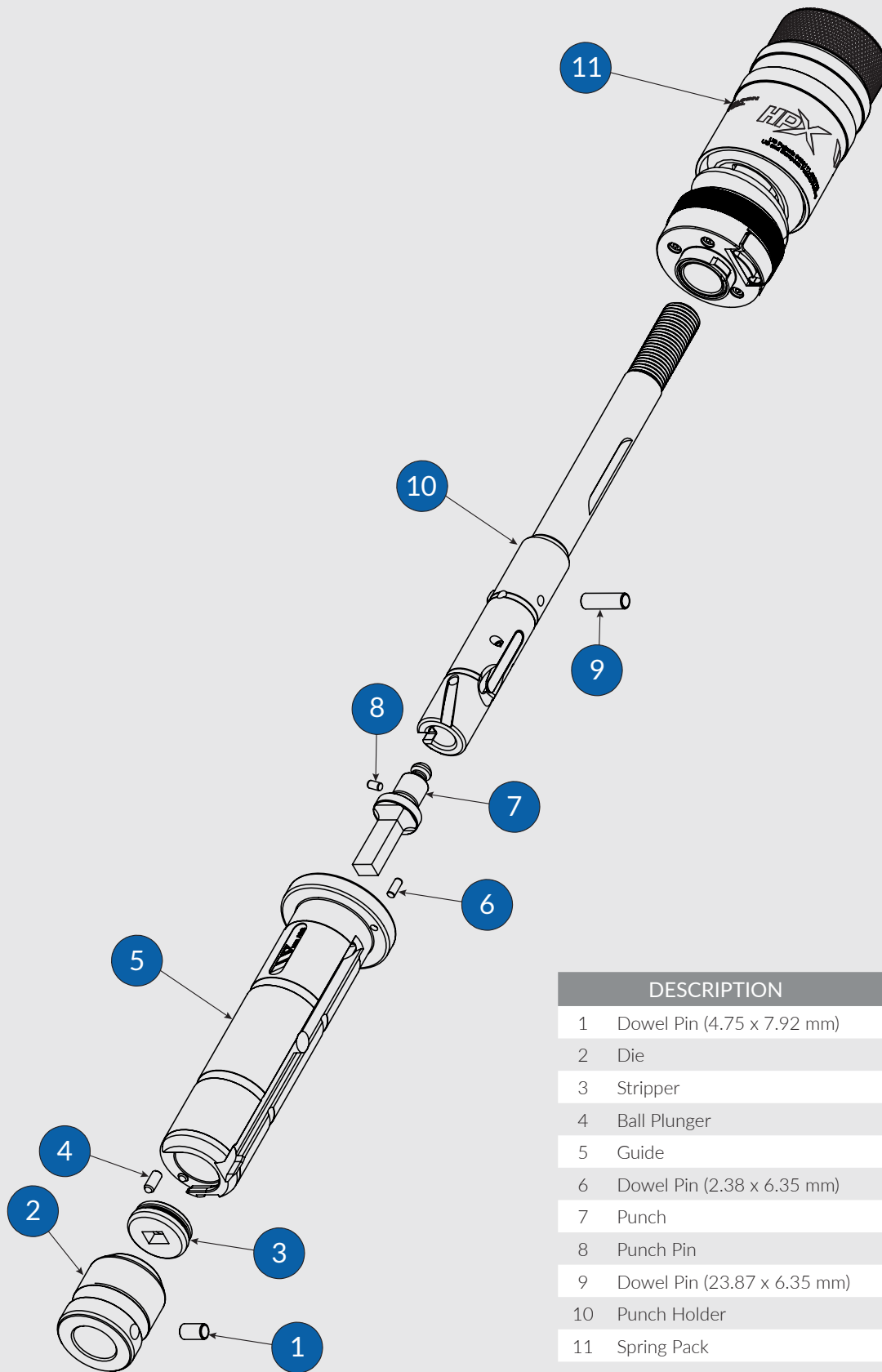
LD



OB



DD



	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	Dowel Pin (2.38 x 6.35 mm)	6299
7	Punch	See Opposite Page
8	Punch Pin	970442
9	Dowel Pin (23.87 x 6.35 mm)	6015
10	Punch Holder	14907
11	Spring Pack	14366

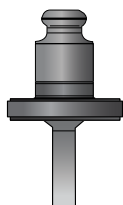




PUNCH AND GUIDE ASSEMBLY



GUIDE



EXP PUNCH



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14939	
Shape	14940	
Optima® Coating		
SPRING PACK ASSEMBLY	CAT. NO.	PRICE
Spring Pack Assembly only	14367	
GUIDE	CAT. NO.	PRICE
Round	14084X	
Shape 0°	14085X	
Shape 0° & 45°	14087X	
Shape 0° & 90°	14086X	
PUNCH	CAT. NO.	PRICE
Round	13916	
Shape	13917	
Optima® Coating		
STRIPPER	CAT. NO.	PRICE
Round	2433	
Shape	2432	
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2194	
Round Standard	2021	
Shape Slug Hugger®*	2195	
Shape Standard	13804	
Ultima® Add on		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.		
DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2097	
0.76 mm single	2723	
1.50 mm single	2100	
0.25 mm pack of 25	2209	
0.76 mm pack of 25	2724	
1.50 mm pack of 25	2173	
Additional charges may apply to non-standard features.		

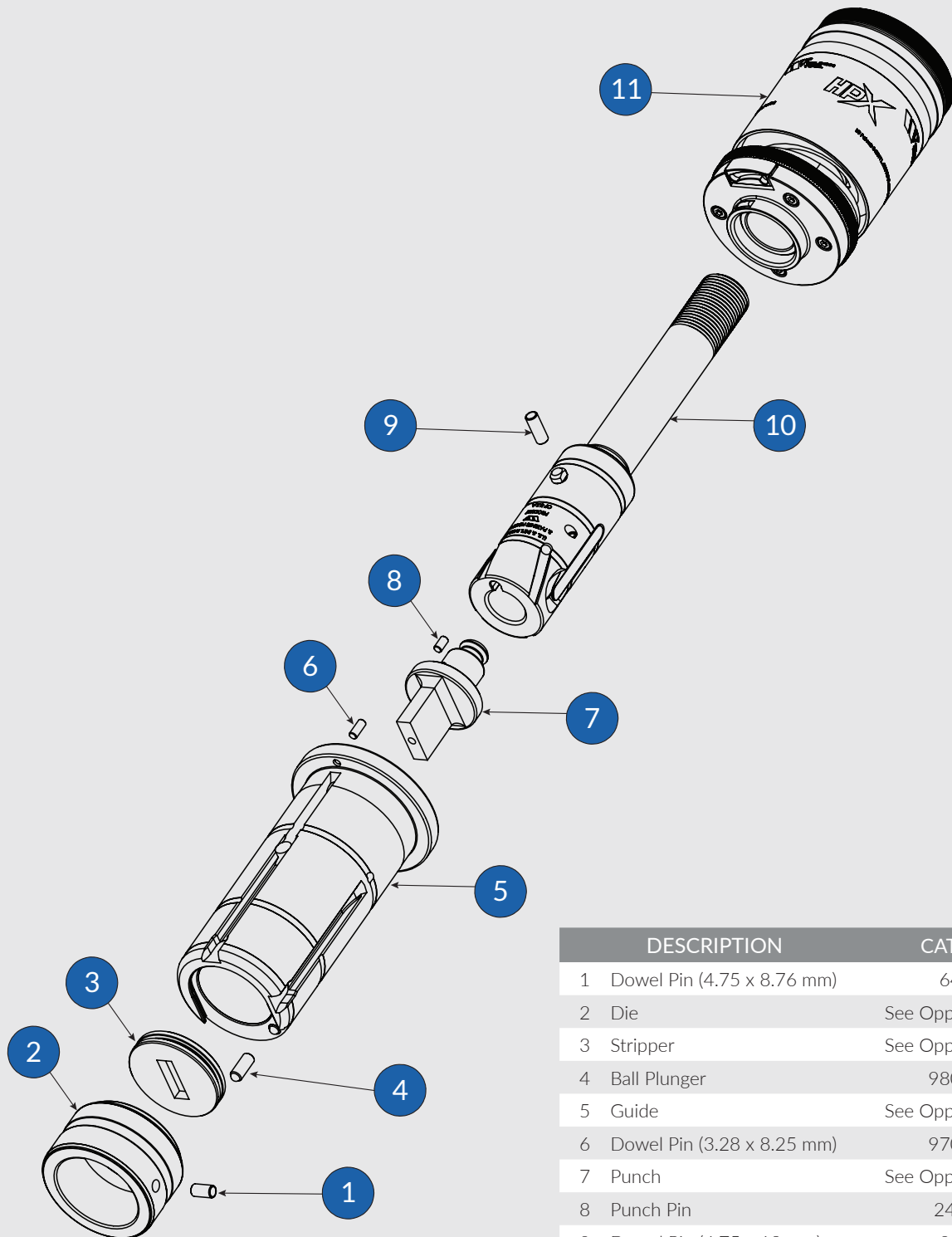


See this tool in action on the  
Wilson Tool YouTube Channel

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HPX® tooling is Wilson Tool's 'Best' product. It is loaded with all the great features of the HP2 plus the EXP® quick change punch system with Ultima tool steel.	31.75 mm 	6.35 mm 	Compatible with ABS and non-ABS machines. Ultima® tool steel is standard in EXP™ punches. Ultima® tool steel is available for dies.

## 25 STANDARD SHAPES



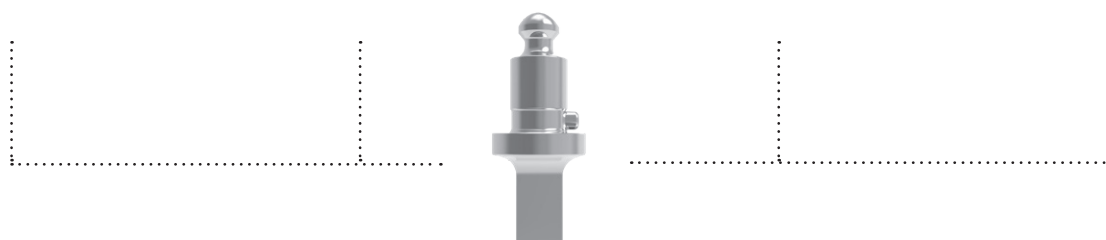


	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Dowel Pin (3.28 x 8.25 mm)	970651
7	Punch	See Opposite Page
8	Punch Pin	24097
9	Dowel Pin (4.75 x 13 mm)	2131
10	Punch Holder	14929
11	Spring Pack	14367





HP PUNCH HOLDER			HP ABS/WLS PUNCH HOLDER			STANDARD PUNCH HOLDER			ULTRA PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies			Compatible with HP and HP2 Punch and Guide Assemblies			Compatible with Wilson Basix Punch and Guide Assemblies			Compatible with Ultra Punch and Guide Assemblies		
CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE	
Round	14897		Round	14893		Round	14901		Ultra	15575	
Shape	14895		Shape	14891		Shape	14899				



## EXP™ PUNCH

Compatible with all punch holders above

	CAT. NO.	PRICE
Round	13904	
Shape	13905	
Optima® Coating		



See this tool in action on the Wilson Tool YouTube Channel

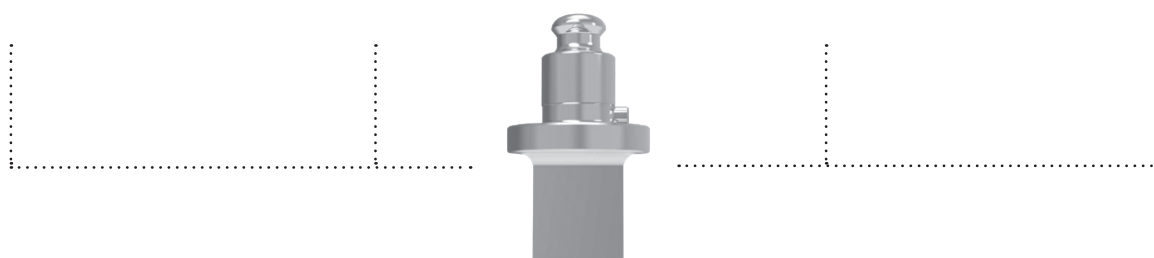
DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
EXP® punch holders allow you to convert your current Wilson Style punch and guide assemblies to the EXP® quick change punch system. All EXP® punches are Ultima® tool steel.	12.7 mm 	3.81 mm 	Additional charges may apply to non-standard features.

## 25 STANDARD SHAPES





HP PUNCH HOLDER			HP ABS/WLS PUNCH HOLDER			STANDARD PUNCH HOLDER			ULTRA PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies			Compatible with HP and HP2 Punch and Guide Assemblies			Compatible with Wilson Basix Punch and Guide Assemblies			Compatible with Ultra Punch and Guide Assemblies		
CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE	
Round	14919		Round	14915		Round	14923		Ultra	15577	
Shape	14917		Shape	14913		Shape	14921				



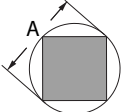
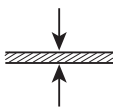
## EXP™ PUNCH

Compatible with all punch holders above

CAT. NO.	PRICE
Round	13916
Shape	13917
Optima® Coating	



See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
EXP® punch holders allow you to convert your current Wilson Style punch and guide assemblies to the EXP® quick change punch system. All EXP® punches are Ultima® tool steel.	31.75 mm 	6.35 mm 	Additional charges may apply to non-standard features.



SD



ET



S3



S3



S4



S1



S7



S8



S9



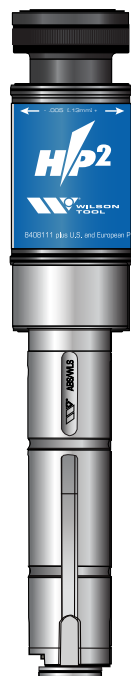
S23



S165



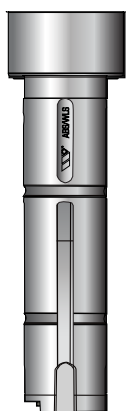
S170



HP2 PUNCH  
AND GUIDE  
ASSEMBLY



PUNCH



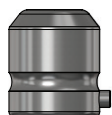
GUIDE



HP SPRING  
PACK  
ASSEMBLY



STRIPPER



DIE



SHIM

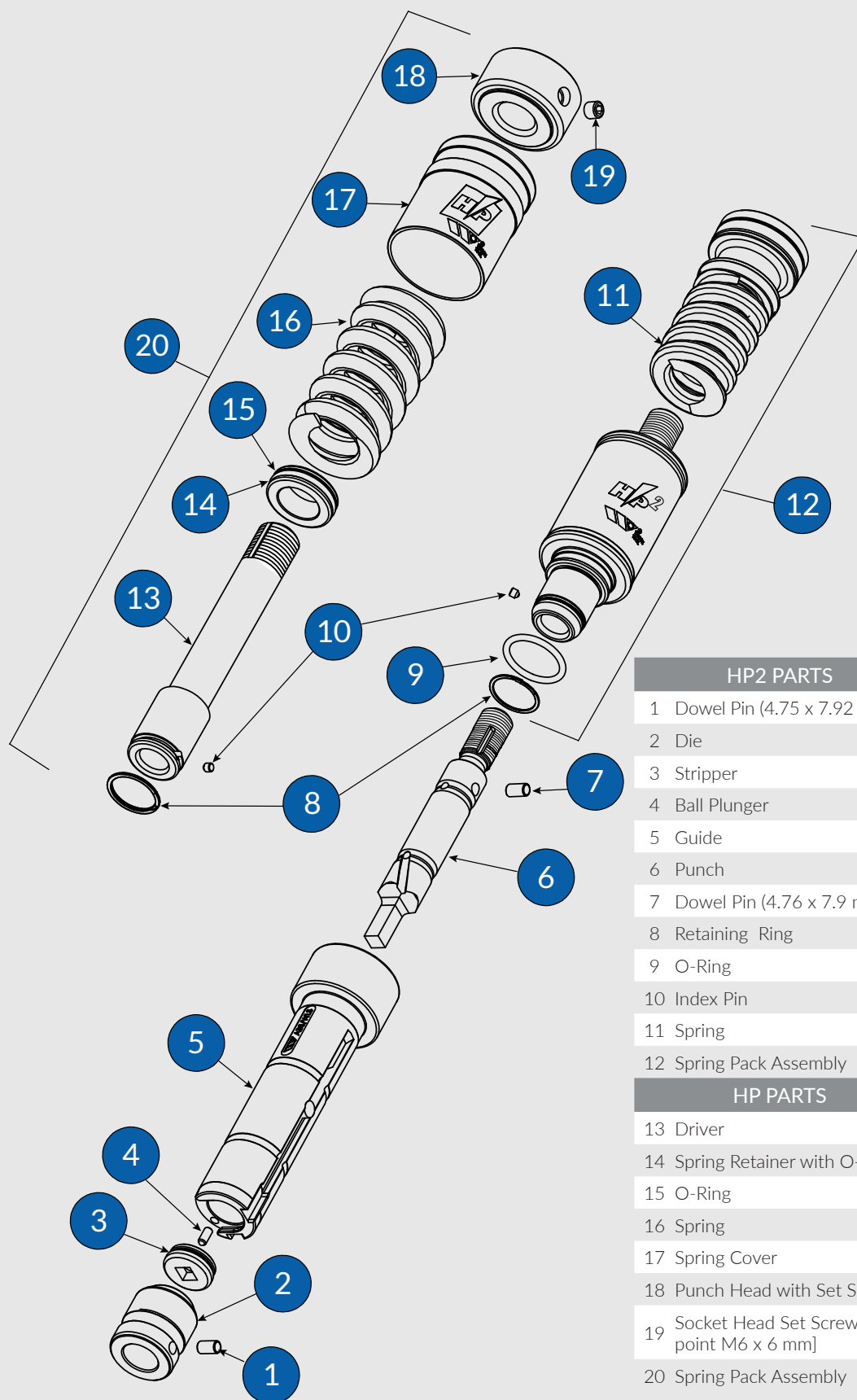
HP2 PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13767		13770	
Shape	13769		13772	
Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				
Spring Pack Assembly	14150		14150	
HP SPRING PACK ASSEMBLY	CAT. NO.	PRICE	CAT. NO.	PRICE
Spring Pack Assembly	2747		2747	
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2405		2385	
Shape	2406		2389	
Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2821		2835	
Shape 0°	2822		2836	
Shape 0° & 45°	2903		2907	
Shape 0° & 90°	2904		2908	
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13044		13045	
Shape	13143		13152	
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2192			
Round Standard	1808			
Shape Slug Hugger®*	2193			
Shape Standard	13801			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance.				
Size restrictions apply.				
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2101		
0.76 mm	single	2721		
1.50 mm	single	2104		
0.25 mm	pack of 25	2208		
0.76 mm	pack of 25	2722		
1.50 mm	pack of 25	2172		

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP2 is Wilson Tools "Better" product. It offers great value with standard features like, easy click length adjustment, high grade tool steel, and is available in ABS.	12.7 mm 	3.81 mm 	HP punches and dies are available in Ultima® tool steel upon request.

## 25 STANDARD SHAPES



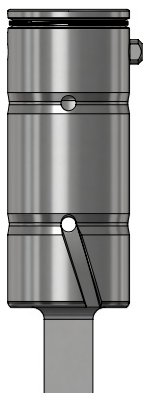


HP2 PARTS	CAT. NO.
1 Dowel Pin (4.75 x 7.92 mm)	6013
2 Die	See Opposite Page
3 Stripper	See Opposite Page
4 Ball Plunger	Contact Sales Desk
5 Guide	See Opposite Page
6 Punch	See Opposite Page
7 Dowel Pin (4.76 x 7.9 mm)	6013
8 Retaining Ring	6853
9 O-Ring	2282
10 Index Pin	6873
11 Spring	24291
12 Spring Pack Assembly	14150
HP PARTS	CAT. NO.
13 Driver	2388
14 Spring Retainer with O-Ring	1804
15 O-Ring	2282
16 Spring	1803
17 Spring Cover	13052
18 Punch Head with Set Screw	2780
19 Socket Head Set Screw [Cone point M6 x 6 mm]	6297
20 Spring Pack Assembly	2747

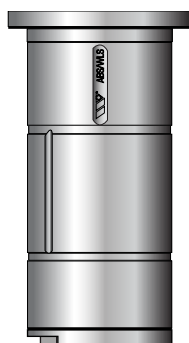




HP2 PUNCH AND GUIDE ASSEMBLY



PUNCH



GUIDE



HP SPRING PACK ASSEMBLY



STRIPPER



DIE



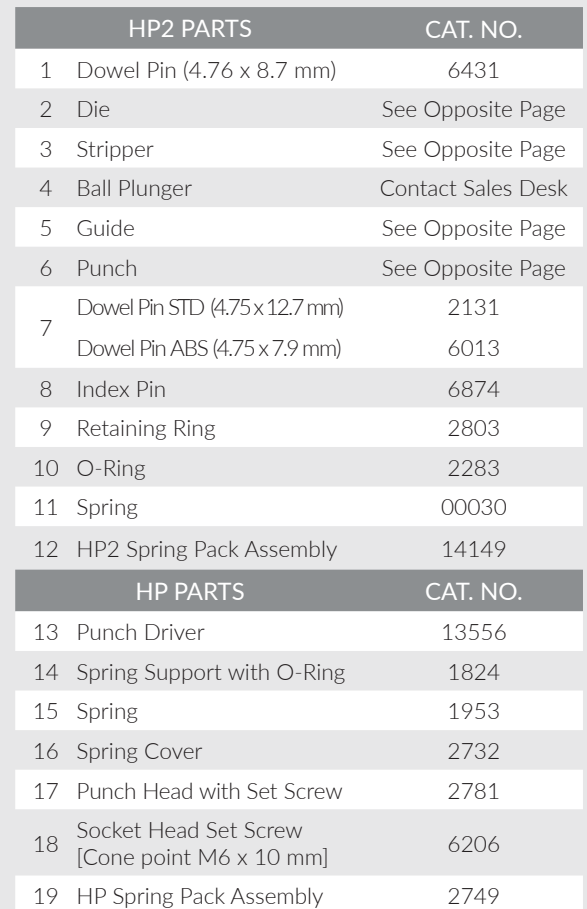
SHIM

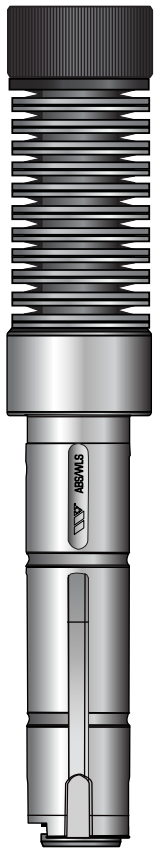
HP2 PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	PRICE
Round	13779		13782	
Shape	13781		13784	
Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				
Spring Pack Assembly	14149		14149	
HP SPRING PACK ASSEMBLY	CAT. NO.	PRICE	CAT. NO.	PRICE
Spring Pack Assembly	2749		2749	
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2407		2398	
Shape	2408		2399	
Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2859		2881	
Shape 0°	2860		2882	
Shape 0° & 45°	2861		2883	
Shape 0° & 90°	2862		2884	
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1890		2433	
Shape	1917		2432	
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2194			
Round Standard	2021			
Shape Slug Hugger®*	12961			
Shape Standard	13804			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance.				
Size restrictions apply.				
DIE SHIM	CAT. NO.	PRICE		
0.25 mm single	2097			
0.76 mm single	2723			
1.50 mm single	2100			
0.25 mm pack of 25	2209			
0.76 mm pack of 25	2724			
1.50 mm pack of 25	2173			
Additional charges may apply to non-standard features.				

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP2 is Wilson Tools "Better" product. It offers great value with standard features like, easy click length adjustment, high grade tool steel, and is available in ABS.	31.75 mm 	6.35 mm 	HP punches and dies are available in Ultima® tool steel upon request.

## 25 STANDARD SHAPES







PUNCH AND GUIDE ASSEMBLY



PUNCH



GUIDE



STRIPPER



DIE



SHIM

HP PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	PRICE
Round	12857		12861	
Shape	13182		13185	

Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				

PUNCH	CAT. NO.	PRICE	ABS CAT. NO.	PRICE
Round	2405		2385	
Shape	2406		2389	

Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				

GUIDE	CAT. NO.	PRICE	ABS CAT. NO.	PRICE
Round	2821		2835	
Shape 0°	2822		2836	
Shape 0° & 45°	2903		2907	
Shape 0° & 90°	2904		2908	

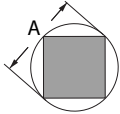
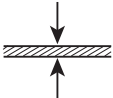
STRIPPER	CAT. NO.	PRICE	ABS CAT. NO.	PRICE
Round	13044		13045	
Shape	13143		13152	

DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2192	
Round Standard	1808	
Shape Slug Hugger®*	2193	
Shape Standard	13801	
Ultima® Add on		

\* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2101	
0.76 mm single	2721	
1.50 mm single	2104	
0.25 mm pack of 25	2208	
0.76 mm pack of 25	2722	
1.50 mm pack of 25	2172	

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP heavy duty tooling assemblies are designed to deliver the best performance when punching thicker materials up to 6.35 mm.	12.7 mm 	6.35 mm 	HP punches and dies are available in Ultima® tool steel upon request.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



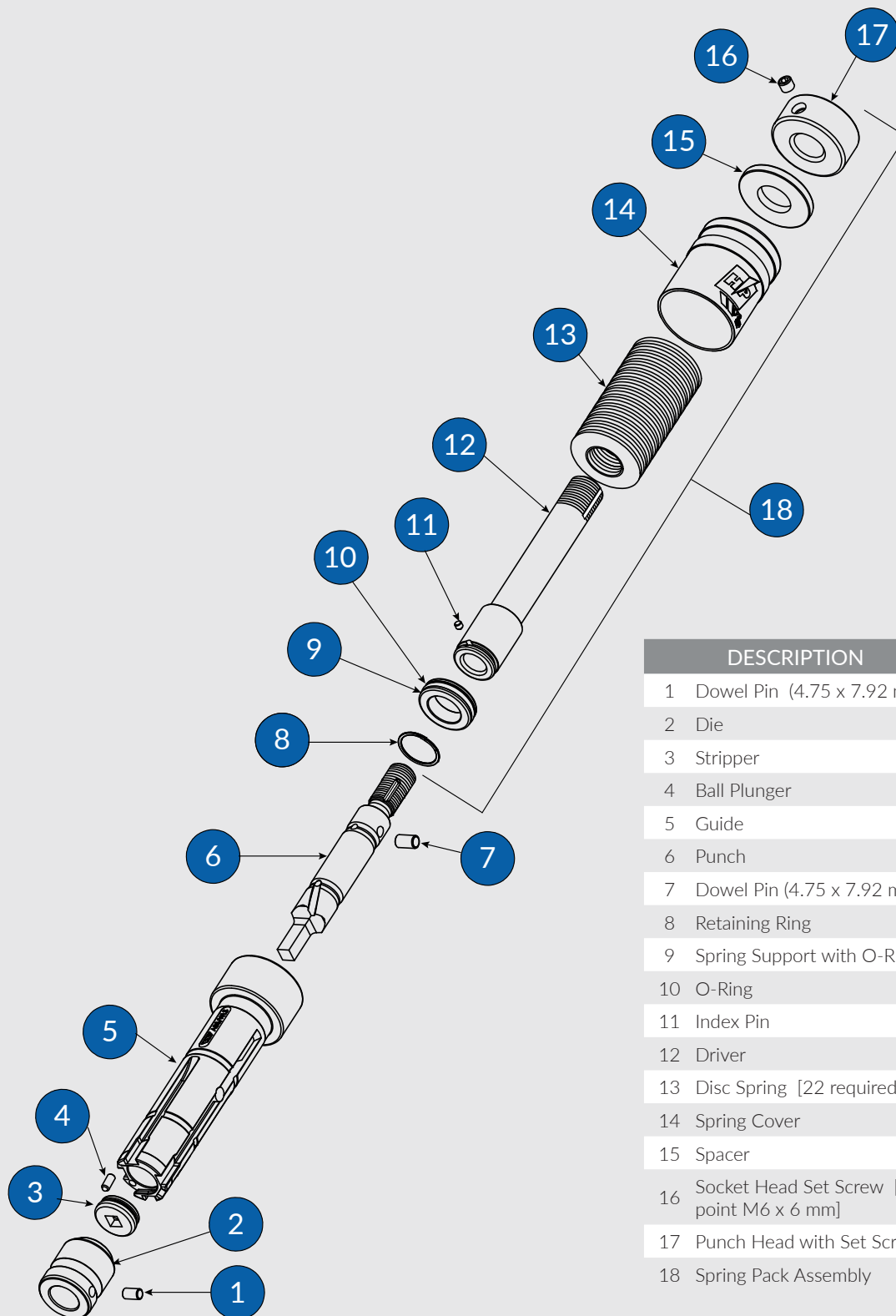
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OB

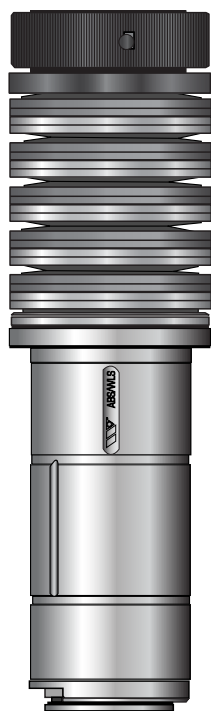


DD

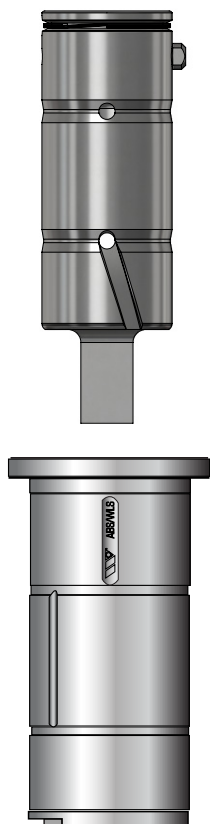


DESCRIPTION	CAT. NO.
1 Dowel Pin (4.75 x 7.92 mm)	6013
2 Die	See Opposite Page
3 Stripper	See Opposite Page
4 Ball Plunger	Contact Sales Desk
5 Guide	See Opposite Page
6 Punch	See Opposite Page
7 Dowel Pin (4.75 x 7.92 mm)	6013
8 Retaining Ring	6853
9 Spring Support with O-Ring	2295
10 O-Ring	2282
11 Index Pin	6873
12 Driver	2388
13 Disc Spring [22 required]	2297
14 Spring Cover	13052
15 Spacer	2296
16 Socket Head Set Screw [Cone point M6 x 6 mm]	6297
17 Punch Head with Set Screw	2788
18 Spring Pack Assembly	2477





PUNCH  
AND GUIDE  
ASSEMBLY



PUNCH

GUIDE



STRIPPER



DIE



SHIM

HP PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	12873		12877	
Shape	13194		13197	
Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2407		2398	
Shape	2408		2399	
Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2859		2881	
Shape 0°	2860		2882	
Shape 0° & 45°	2861		2883	
Shape 0° & 90°	2862		2884	
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1890		2433	
Shape	1917		2432	
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2194			
Round Standard	2021			
Shape Slug Hugger®*	2195			
Shape Standard	13804			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM		CAT. NO	PRICE	
0.25 mm	single	2097		
0.76 mm	single	2723		
1.50 mm	single	2100		
0.25 mm	pack of 25	2209		
0.76 mm	pack of 25	2724		
1.50 mm	pack of 25	2173		

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP heavy duty tooling assemblies are designed to deliver the best performance when punching thicker materials up to 7.93 mm.	31.75 mm 	7.93 mm 	HP punches and dies are available in Ultima® tool steel upon request.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



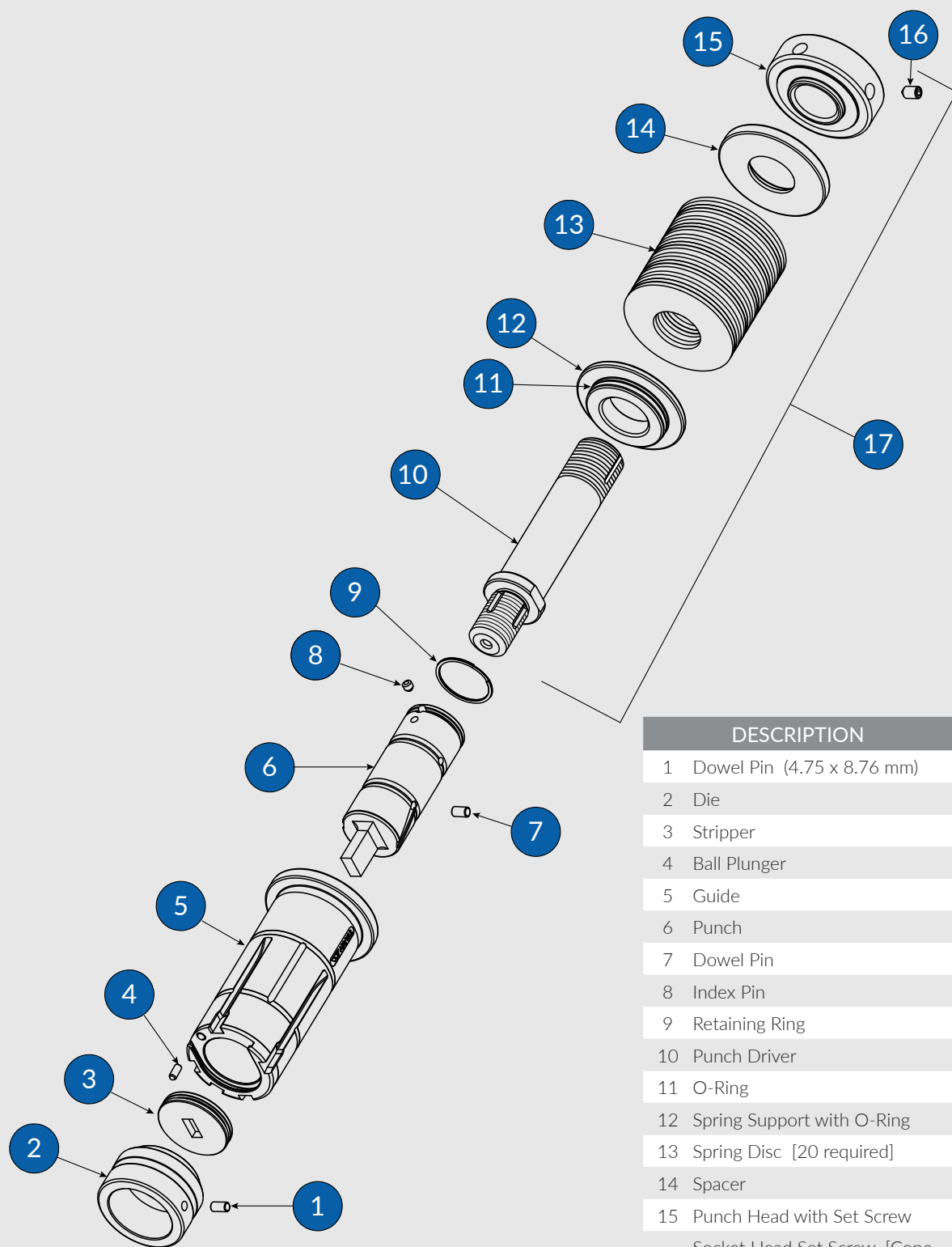
LD



OB

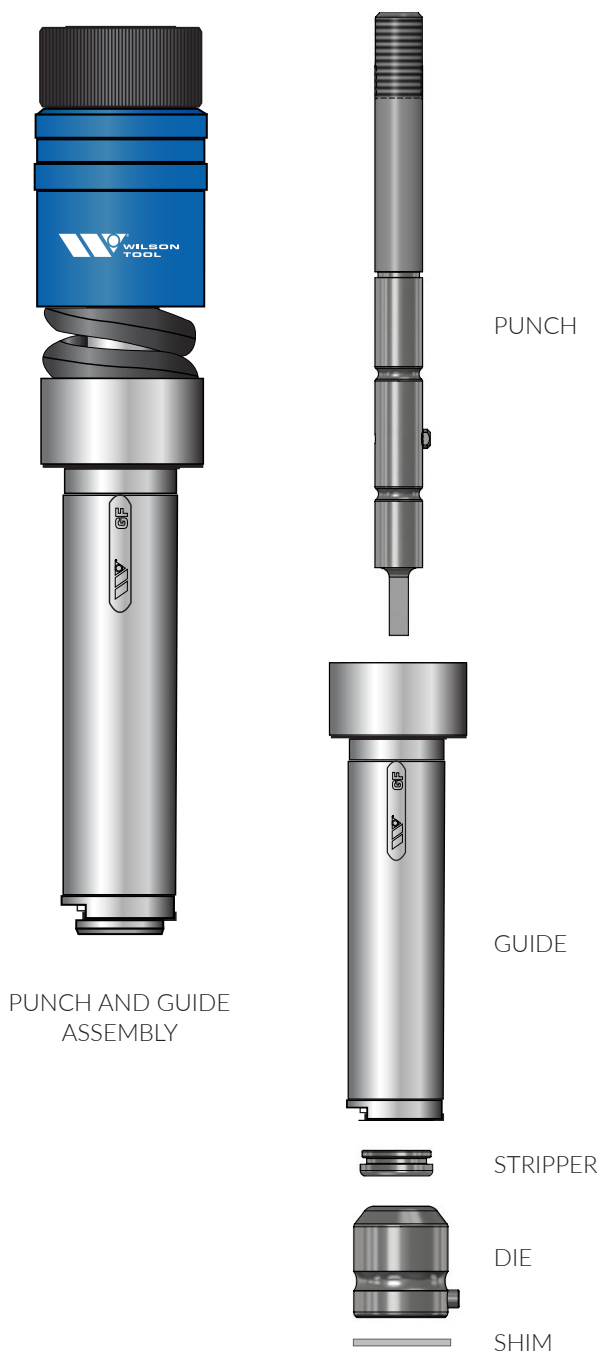


DD



	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin	2131
8	Index Pin	6874
9	Retaining Ring	2803
10	Punch Driver	13556
11	O-Ring	2283
12	Spring Support with O-Ring	2435
13	Spring Disc [20 required]	2302
14	Spacer	2434
15	Punch Head with Set Screw	2781
16	Socket Head Set Screw [Cone point M6 x 10 mm]	6206
17	Spring Pack Assembly	2750





PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
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Round	13453	
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Shape	13455	
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Optima® Coating		
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PUNCH	CAT. NO.	PRICE
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Round	1807	
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Shape	1816	
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Optima® Coating		
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GUIDE	CAT. NO.	PRICE
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Round	2821	
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Shape 0°	2822	
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Shape 0° & 45°	2903	
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Shape 0° & 90°	2904	
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STRIPPER	CAT. NO.	PRICE
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Round	13044	
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Shape	13143	
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DIE	CAT. NO.	PRICE
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Round Slug Hugger®*	2192	
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Round Standard	1808	
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Shape Slug Hugger®*	2193	
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Shape Standard	13801	
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Ultima® Add on		
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\* Slug Hugger dies must be ordered punch size plus clearance.  
Size restrictions apply.

PUNCH SHIM	CAT. NO.	PRICE
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1.50 mm single	1898	
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1.50 mm pack of 25	2167	
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DIE SHIM	CAT. NO.	PRICE
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0.25 mm single	2101	
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0.76 mm single	2721	
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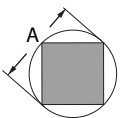
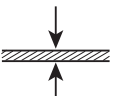
1.50 mm single	2104	
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0.25 mm pack of 25	2208	
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0.76 mm pack of 25	2722	
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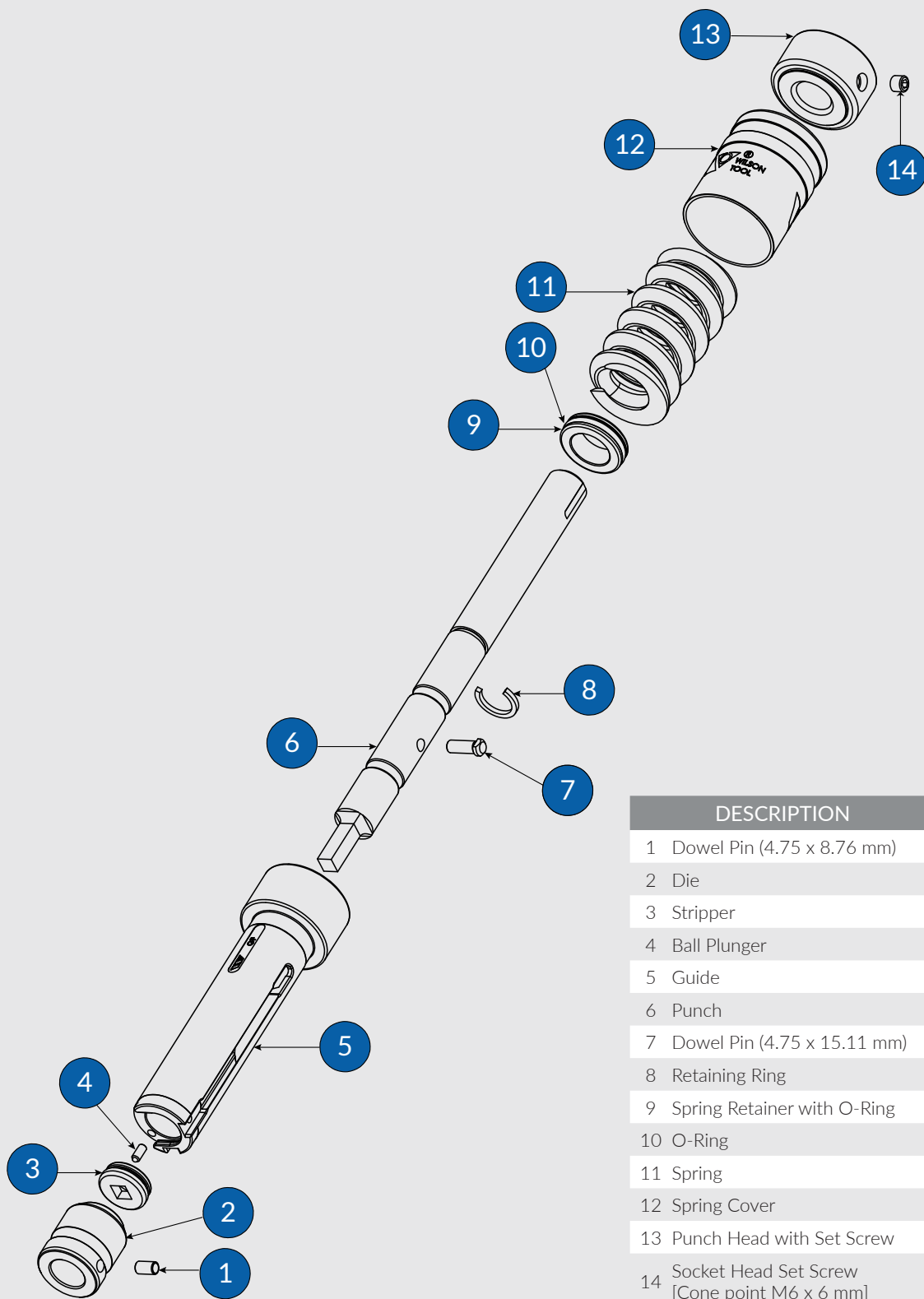
1.50 mm pack of 25	2172	
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Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features.	12.7 mm 	3.81 mm 	Dies are available in Ultima® tool steel upon request.

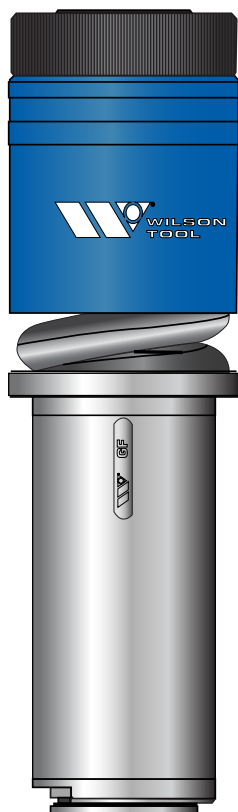
## 25 STANDARD SHAPES



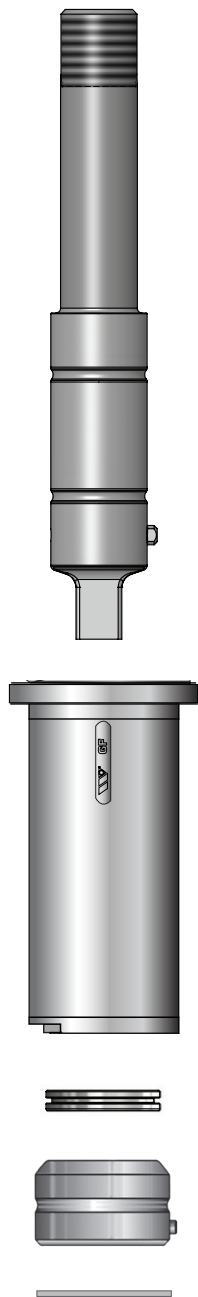


DESCRIPTION	CAT. NO.
1 Dowel Pin (4.75 x 8.76 mm)	6431
2 Die	See Opposite Page
3 Stripper	See Opposite Page
4 Ball Plunger	Contact Sales Desk
5 Guide	See Opposite Page
6 Punch	See Opposite Page
7 Dowel Pin (4.75 x 15.11 mm)	6015
8 Retaining Ring	1805
9 Spring Retainer with O-Ring	1804
10 O-Ring	2282
11 Spring	1803
12 Spring Cover	2731
13 Punch Head with Set Screw	2780
14 Socket Head Set Screw [Cone point M6 x 6 mm]	6297





PUNCH AND GUIDE ASSEMBLY



PUNCH

GUIDE

STRIPPER

DIE

SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
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Round	2851	
Shape	2853	
Optima® Coating		

PUNCH	CAT. NO.	PRICE
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Round	1827	
Shape	1839	
Optima® Coating		

GUIDE	CAT. NO.	PRICE
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Round	2859	
Shape 0°	2860	
Shape 0° & 45°	2861	
Shape 0° & 90°	2862	

STRIPPER	CAT. NO.	PRICE
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Round	1890	
Shape	1917	

DIE	CAT. NO.	PRICE
-----	----------	-------

Round Slug Hugger®*	2194	
Round Standard	2021	
Shape Slug Hugger®*	2195	
Shape Standard	13804	
Ultima® Add on		

\* Slug Hugger dies must be ordered punch size plus clearance.  
Size restrictions apply.

PUNCH SHIM	CAT. NO.	PRICE
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1.50 mm single	1899	
1.50 mm pack of 25	2168	

DIE SHIM	CAT. NO.	PRICE
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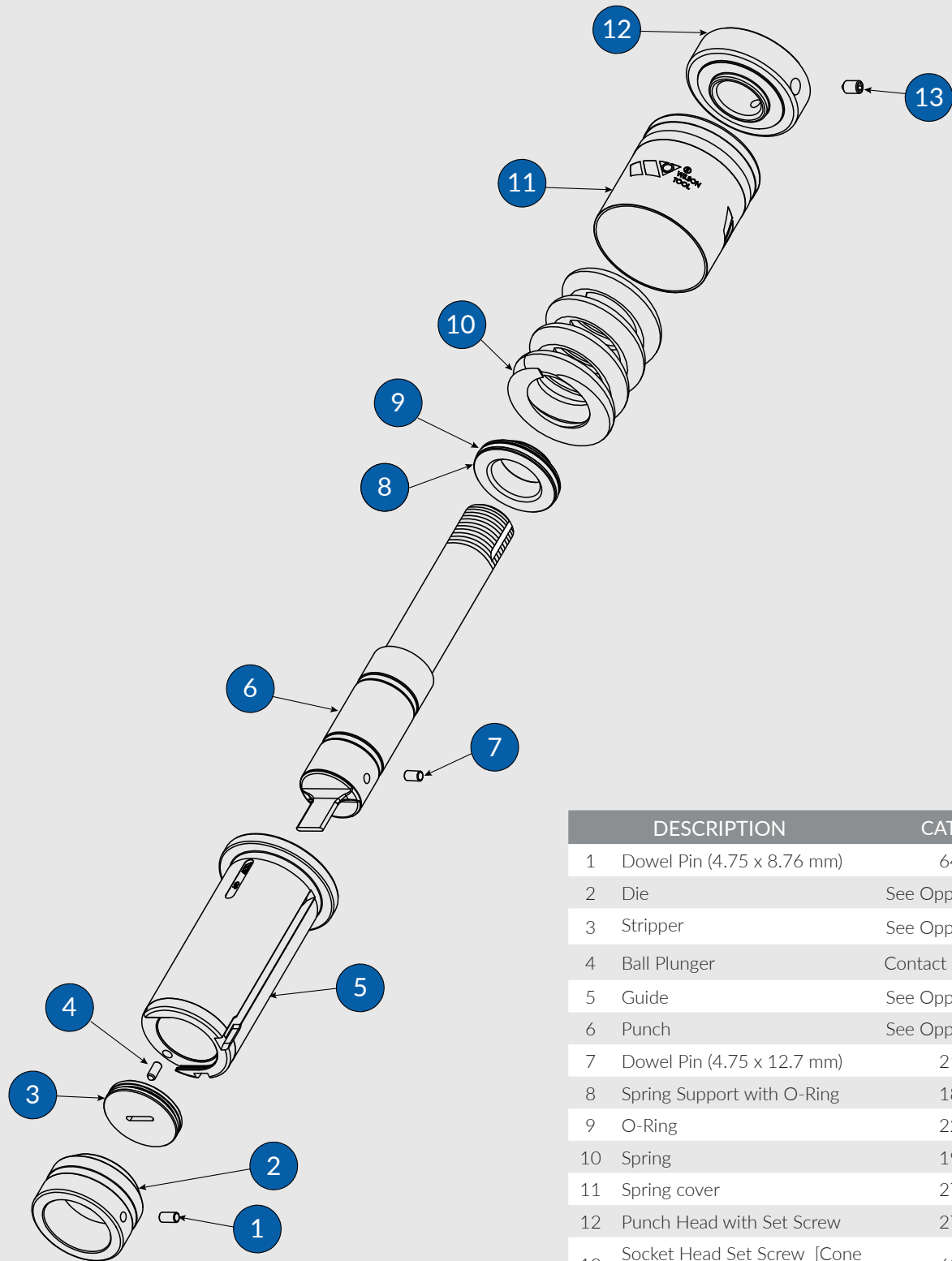
0.25 mm single	2097	
0.76 mm single	2723	
1.50 mm single	2100	
0.25 mm pack of 25	2209	
0.76 mm pack of 25	2724	
1.50 mm pack of 25	2173	

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features.	31.75 mm 	6.35 mm 	Dies are available in Ultima® tool steel upon request.

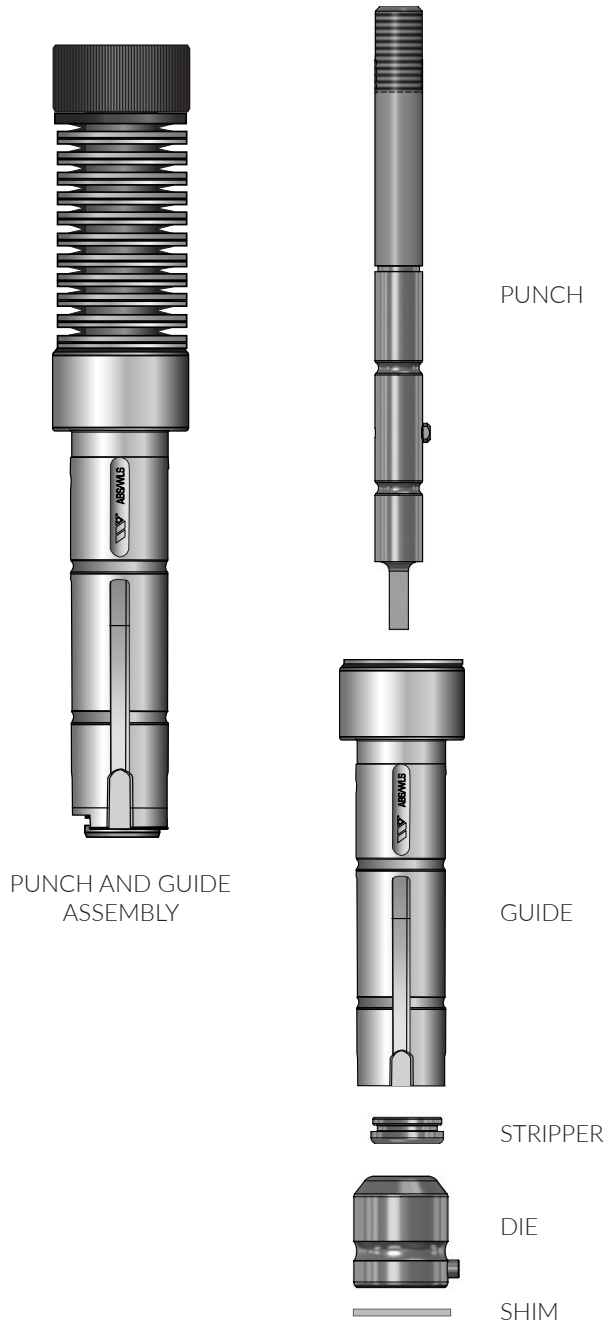
## 25 STANDARD SHAPES





	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin (4.75 x 12.7 mm)	2131
8	Spring Support with O-Ring	1824
9	O-Ring	2283
10	Spring	1953
11	Spring cover	2732
12	Punch Head with Set Screw	2781
13	Socket Head Set Screw [Cone point M6 x 10 mm]	6206



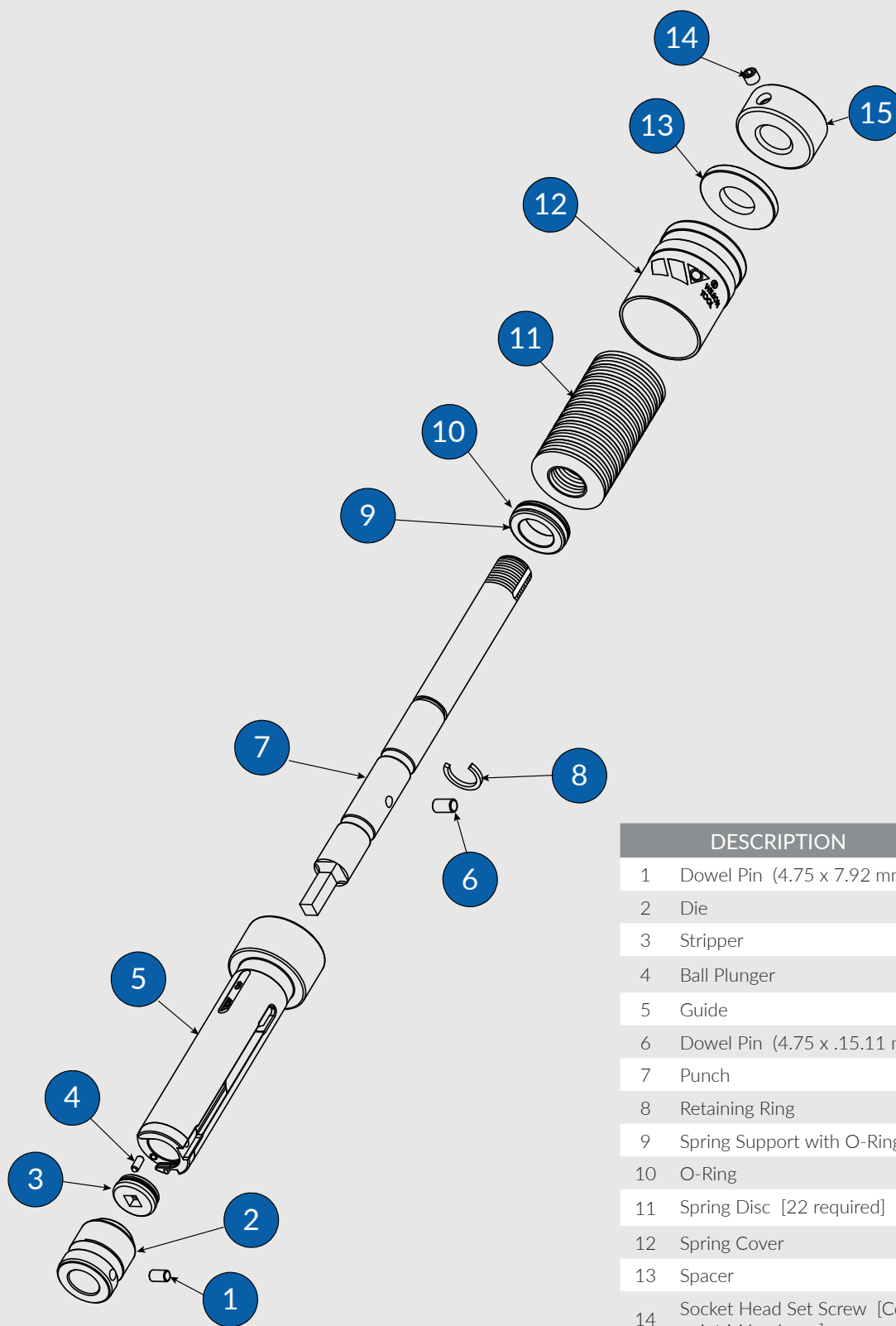


PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	13514	
Shape	13516	
Optima® Coating		
PUNCH	CAT. NO.	PRICE
Round	2303	
Shape	2304	
Optima® Coating		
GUIDE	CAT. NO.	PRICE
Round	2821	
Shape 0°	2822	
Shape 0° & 45°	2903	
Shape 0° & 90°	2904	
STRIPPER	CAT. NO.	PRICE
Round	13044	
Shape	13143	
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2192	
Round Standard	1808	
Shape Slug Hugger®*	2193	
Shape Standard	13801	
Ultima® Add on		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.		
PUNCH SHIM	CAT. NO.	PRICE
1.50 mm single	1898	
1.50 mm pack of 25	2167	
DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2101	
0.76 mm single	2721	
1.50 mm single	2104	
0.25 mm pack of 25	2208	
0.76 mm pack of 25	2722	
1.50 mm pack of 25	2172	
Additional charges may apply to non-standard features.		

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix heavy duty assemblies are designed to deliver the best performance when punching thicker materials up to 6.35 mm.	12.7 mm 	6.35 mm 	Dies are available in Ultima® tool steel upon request.

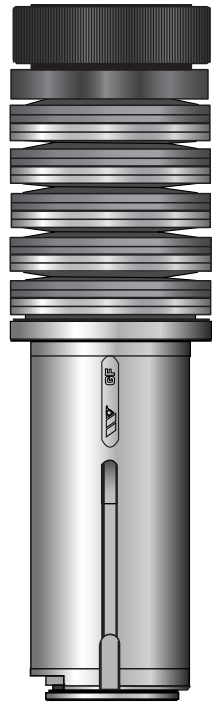
## 25 STANDARD SHAPES





	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Dowel Pin (4.75 x .15.11 mm)	6015
7	Punch	See Opposite Page
8	Retaining Ring	1805
9	Spring Support with O-Ring	2295
10	O-Ring	2282
11	Spring Disc [22 required]	2297
12	Spring Cover	2731
13	Spacer	2296
14	Socket Head Set Screw [Cone point M6 x 6 mm]	6297
15	Punch Head with Set Screw	2788

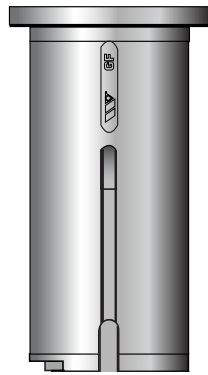




PUNCH AND GUIDE ASSEMBLY



PUNCH



GUIDE



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	13520	
Shape	13522	
Optima® Coating		

PUNCH	CAT. NO.	PRICE
Round	2305	
Shape	2306	
Optima® Coating		

GUIDE	CAT. NO.	PRICE
Round	2859	
Shape 0°	2860	
Shape 0° & 45°	2861	
Shape 0° & 90°	2862	

STRIPPER	CAT. NO.	PRICE
Round	1890	
Shape	1917	

DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2194	
Round Standard	2021	
Shape Slug Hugger®*	2195	
Shape Standard	13804	
Ultima® Add on		

\* Slug Hugger dies must be ordered punch size plus clearance.  
Size restrictions apply.

PUNCH SHIM	CAT. NO.	PRICE
1.50 mm single	1899	
1.50 mm pack of 25	2168	

DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2097	
0.76 mm single	2723	
1.50 mm single	2100	
0.25 mm pack of 25	2209	
0.76 mm pack of 25	2724	
1.50 mm pack of 25	2173	

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix heavy duty assemblies are designed to deliver the best performance when punching thicker materials up to 7.93 mm.	31.75 mm 	7.93 mm 	Dies are available in Ultima® tool steel upon request.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



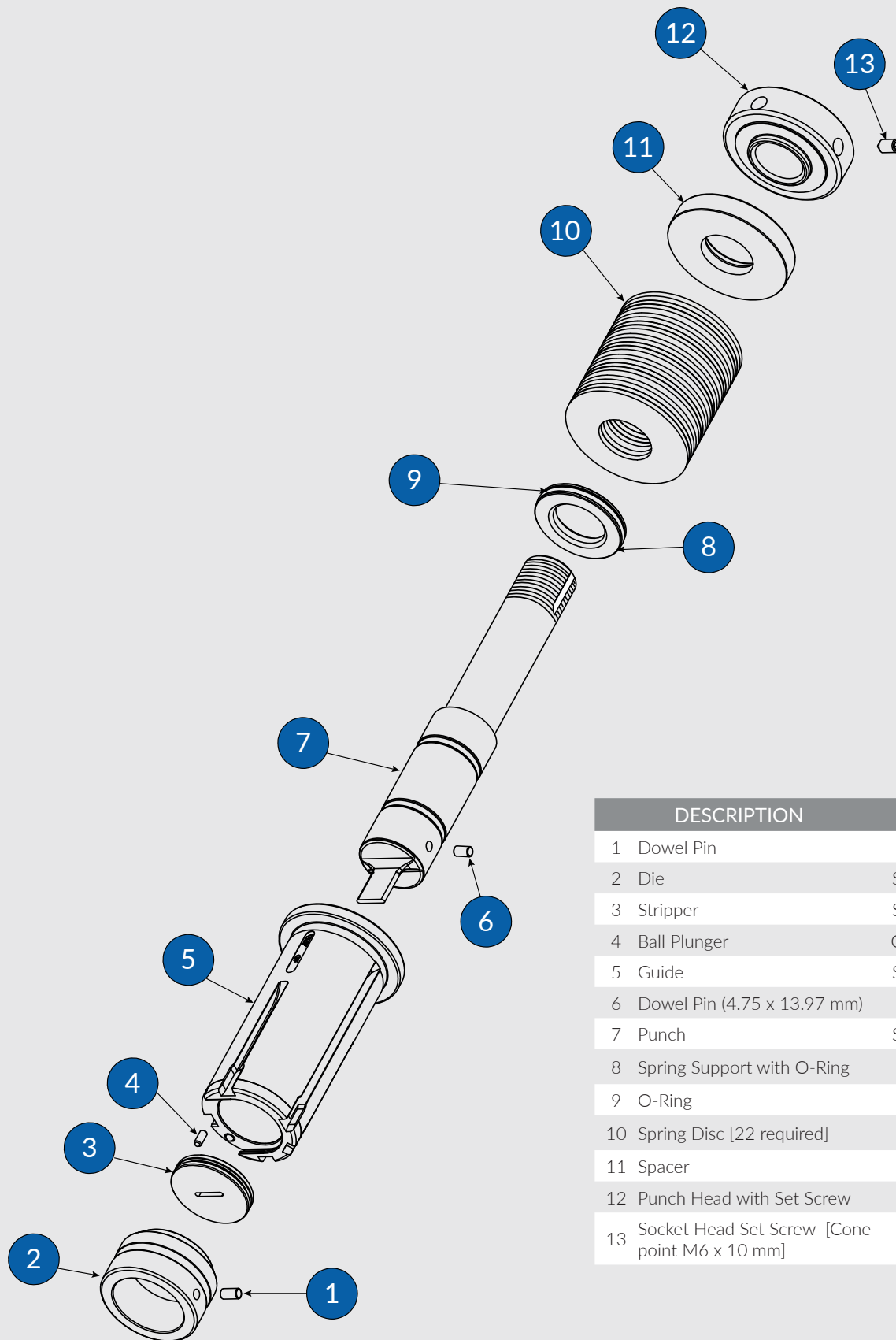
LD



OB



DD



	DESCRIPTION	CAT. NO.
1	Dowel Pin	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Dowel Pin (4.75 x 13.97 mm)	2131
7	Punch	See Opposite Page
8	Spring Support with O-Ring	2300
9	O-Ring	2283
10	Spring Disc [22 required]	2302
11	Spacer	2301
12	Punch Head with Set Screw	2781
13	Socket Head Set Screw [Cone point M6 x 10 mm]	6206



# WILSON THICK TURRET TOOLING



# WILSON THICK TURRET TOOLING

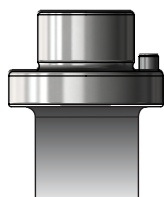


## WILSON STYLE TOOLING SOLUTIONS

LARGE STATION ADVANTAGES	HP	Standard
Fast and simple push button length adjustment	●	●
Made from hardened tool steel for increased durability	●	●
Up to 50% more bearing surface to reduce side loading	●	●
Optima® coated keys for superior wear resistance	●	●
Internal and external lubrication	●	●
ABS/WLS machine lubrication capability	●	●
External keyways at 0°, 90°, and 135°	●	●
Achieves angles of 0°, 90°, 135°, 180°, 270° and 315°	●	●
OEM compatible	●	●
Punches made from premium hardened tool steel	●	●
Optima® coated punches available	●	●
Relieved strippers for maximum grind life	●	●
Push button lock release for quick stripper plate removal	●	



GUIDE  
ASSEMBLY



PUNCH



STRIPPER



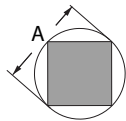
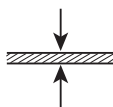
DIE



SHIM

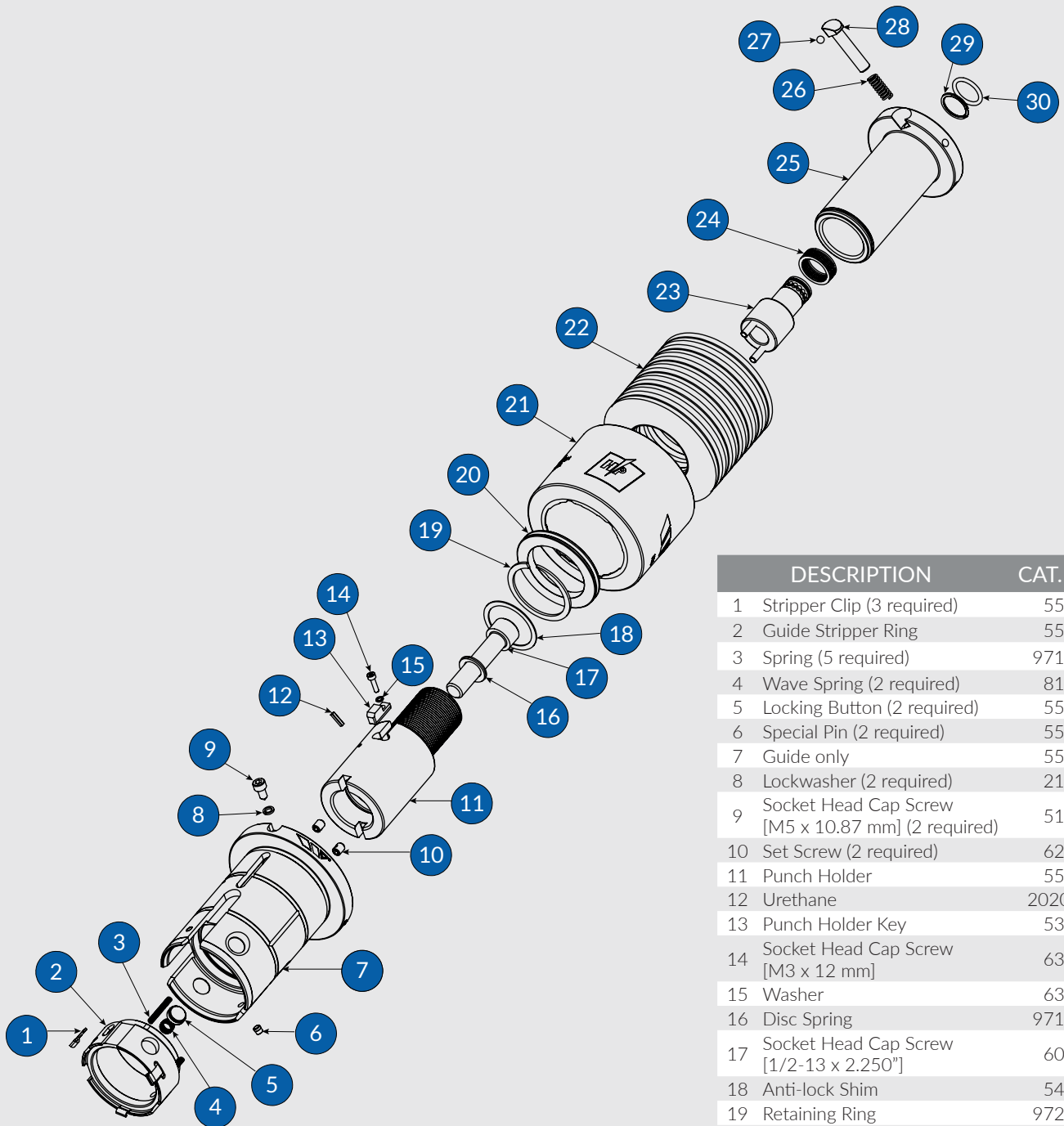
GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5552		5508	
PUNCH				
	CAT. NO.	PRICE		
Round	5026			
Shape	5025			
Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				
HEAVY DUTY PUNCH				
	CAT. NO.	PRICE		
Round 12.7 - 31.75 mm	5117			
Round 31.77 - 41.27 mm	5120			
Shape 12.7 - 31.75 mm	5118			
Shape 31.77 - 41.27 mm	5119			
STRIPPER			CAT. NO.	PRICE
Round	1848		5150	
Shape	1854		5151	
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2196			
Round Standard	1850			
Shape Slug Hugger®*	2197			
Shape Standard	13807			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM			CAT. NO.	PRICE
0.25 mm single	2089			
0.76 mm single	2725			
1.50 mm single	2092			
0.25 mm pack of 10	2210			
0.76 mm pack of 10	2726			
1.50 mm pack of 10	2174			

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225°, and 270°.	50.8 mm 	6.35 mm 	All punches will be shipped with no shear, unless specified.  Use heavy duty punches for material thickness > 6.35 mm.  HP punches and dies are available in Ultima® tool steel upon request.

## 25 STANDARD SHAPES



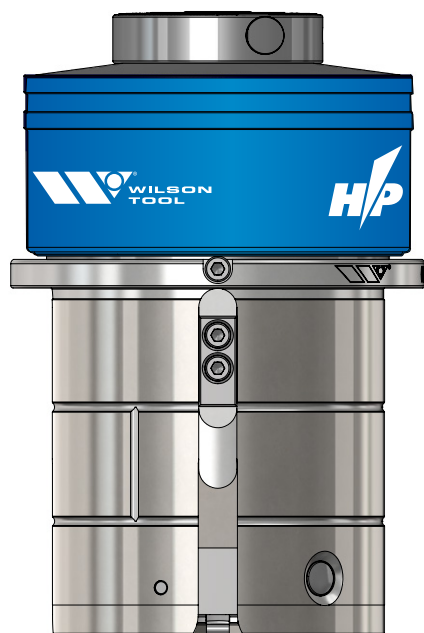


Cat. No. 5509 Guide Unit Assembly includes:  
1, 2, 3, 5, 6, 7, 8, & 9

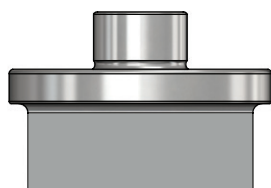
Cat. No. 5724 Driver Assembly includes:  
19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 & 30

DESCRIPTION	CAT. NO.
1 Stripper Clip (3 required)	5521
2 Guide Stripper Ring	5520
3 Spring (5 required)	971694
4 Wave Spring (2 required)	8155
5 Locking Button (2 required)	5519
6 Special Pin (2 required)	5522
7 Guide only	5518
8 Lockwasher (2 required)	2112
9 Socket Head Cap Screw [M5 x 10.87 mm] (2 required)	5197
10 Set Screw (2 required)	6298
11 Punch Holder	5510
12 Urethane	2020643
13 Punch Holder Key	5373
14 Socket Head Cap Screw [M3 x 12 mm]	6326
15 Washer	6327
16 Disc Spring	971690
17 Socket Head Cap Screw [1/2-13 x 2.250"]	6002
18 Anti-lock Shim	5412
19 Retaining Ring	972570
20 Spring Support	5748
21 Spring Cover	5517
22 Spring Disc (12 required)	5744
23 Adjustment Shaft	5735
24 Wave Spring	971692
25 Punch Driver	5736
26 Spring	972396
27 Adjustment Locking Ball	972420
28 Driver Lock Button	10539
29 Retaining Ring	972441
30 O-Ring [.687 x .094"]	972430





GUIDE  
ASSEMBLY



PUNCH



STRIPPER



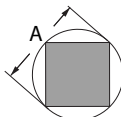
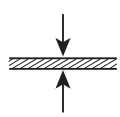
DIE



SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5553		5523	
PUNCH				
	CAT. NO.	PRICE		
Round	5028			
Shape	5027			
Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				
STRIPPER			CAT. NO.	PRICE
Round	1864		5152	
Shape	1869		5153	
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2198			
Round Standard	1865			
Shape Slug Hugger®*	2199			
Shape Standard	13810			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2081		
0.76 mm	single	2727		
1.50 mm	single	2084		
0.25 mm	pack of 5	2211		
0.76 mm	pack of 5	2728		
1.50 mm	pack of 5	2175		

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225°, and 270°.	88.9 mm 	6.35 mm 	1.6 mm rooftop shear is given to all punches with 'A' dimension > 50.8 mm and width > 6.35 mm.  Ultima® Premium tool steel available for punches and dies.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



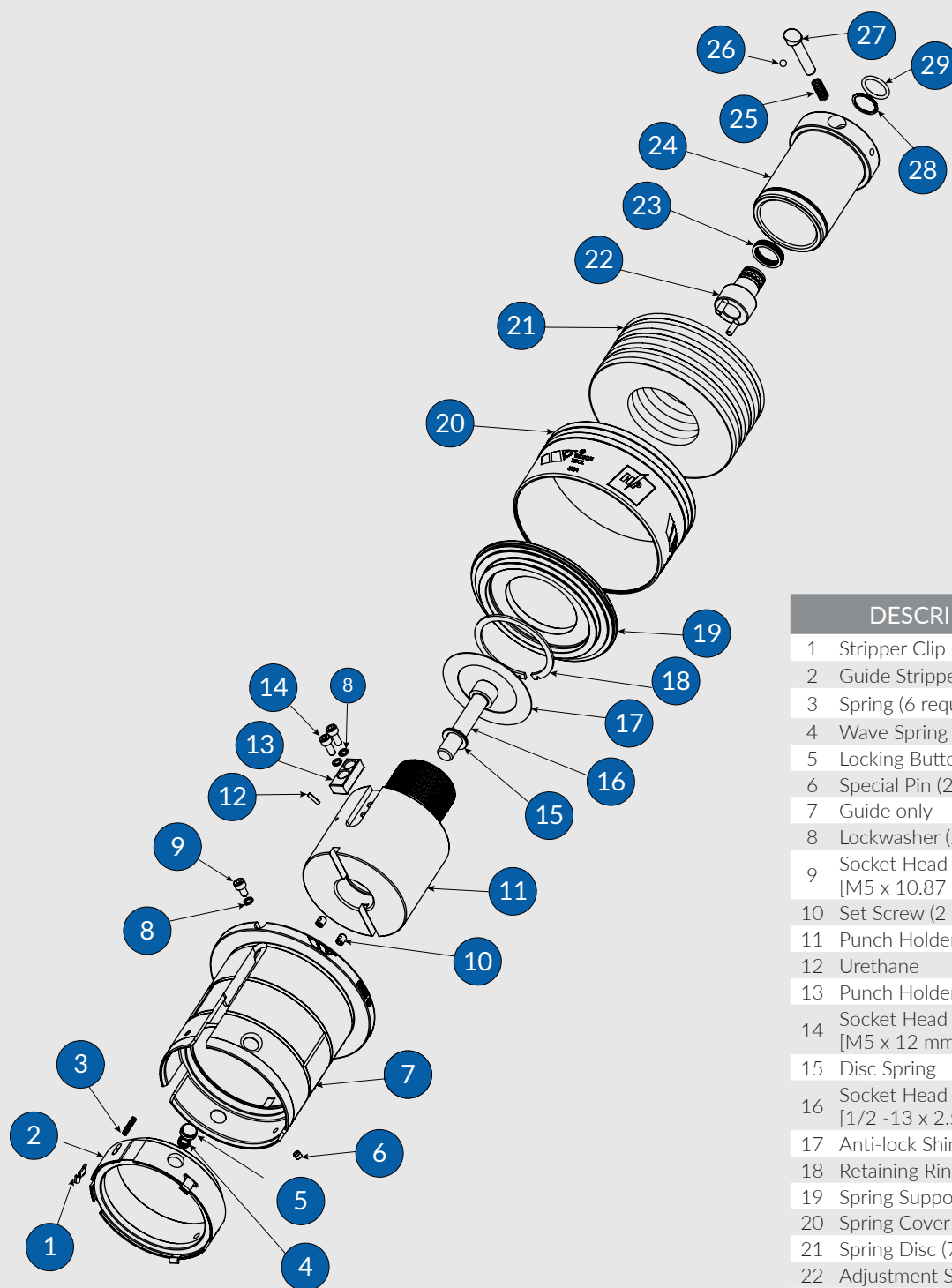
LD



OB



DD



Cat. No. 5524 Guide Unit Assembly includes:

1, 2, 3, 5, 6, 7, 8, & 9

Cat. No. 5725 Driver Assembly includes:

19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 & 30

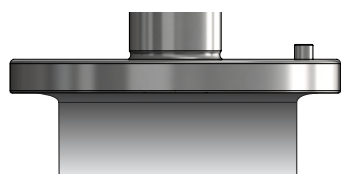
DESCRIPTION	CAT. NO.
1 Stripper Clip (3 required)	5521
2 Guide Stripper Ring	5528
3 Spring (6 required)	971694
4 Wave Spring (2 required)	8155
5 Locking Button (2 required)	5519
6 Special Pin (2 required)	5522
7 Guide only	5527
8 Lockwasher (2 required)	2112
9 Socket Head Cap Screw [M5 x 10.87 mm] (2 required)	5197
10 Set Screw (2 required)	6298
11 Punch Holder	5525
12 Urethane	2020643
13 Punch Holder Key	1862
14 Socket Head Cap Screw [M5 x 12 mm] (2 required)	6110
15 Disc Spring	971690
16 Socket Head Cap Screw [1/2 -13 x 2.500"]	6566
17 Anti-lock Shim	5413
18 Retaining Ring	5747
19 Spring Support	5738
20 Spring Cover	5561
21 Spring Disc (7 required)	5449
22 Adjustment Shaft	5739
23 Wave Spring	971692
24 Punch Driver	5740
25 Spring	972396
26 Adjustment Locking Ball	972420
27 Index Button	5737
28 Retaining Ring	972441
29 O-Ring	972430





GUIDE  
ASSEMBLY

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5554		5533	
PUNCH				
	CAT. NO.	PRICE		
Round	5030			
Shape	5029			
Optima® Coating				
Ultima® Add on (Round)				
Ultima® Add on (Shape)				
STRIPPER			CAT. NO.	PRICE
Round	1877		5154	
Shape	1882		5155	
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2200			
Round Standard	1878			
Shape Slug Hugger®*	2201			
Shape Standard	13817			
Ultima® Add on				
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM			CAT. NO.	PRICE
0.25 mm	single	2073		
0.76 mm	single	2729		
1.5 mm	single	2076		
0.25 mm	pack of 5	2212		
0.76 mm	pack of 5	2730		
1.5 mm	pack of 5	2176		



PUNCH



STRIPPER

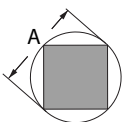
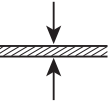


DIE



SHIM

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225°, and 270°.	114.3 mm 	6.35 mm 	1.6 mm rooftop shear is standard on all punches with 'A' dimension > 50.8 mm and width > 6.35 mm.  Ultima® Premium tool steel available for punches and dies.

## 25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



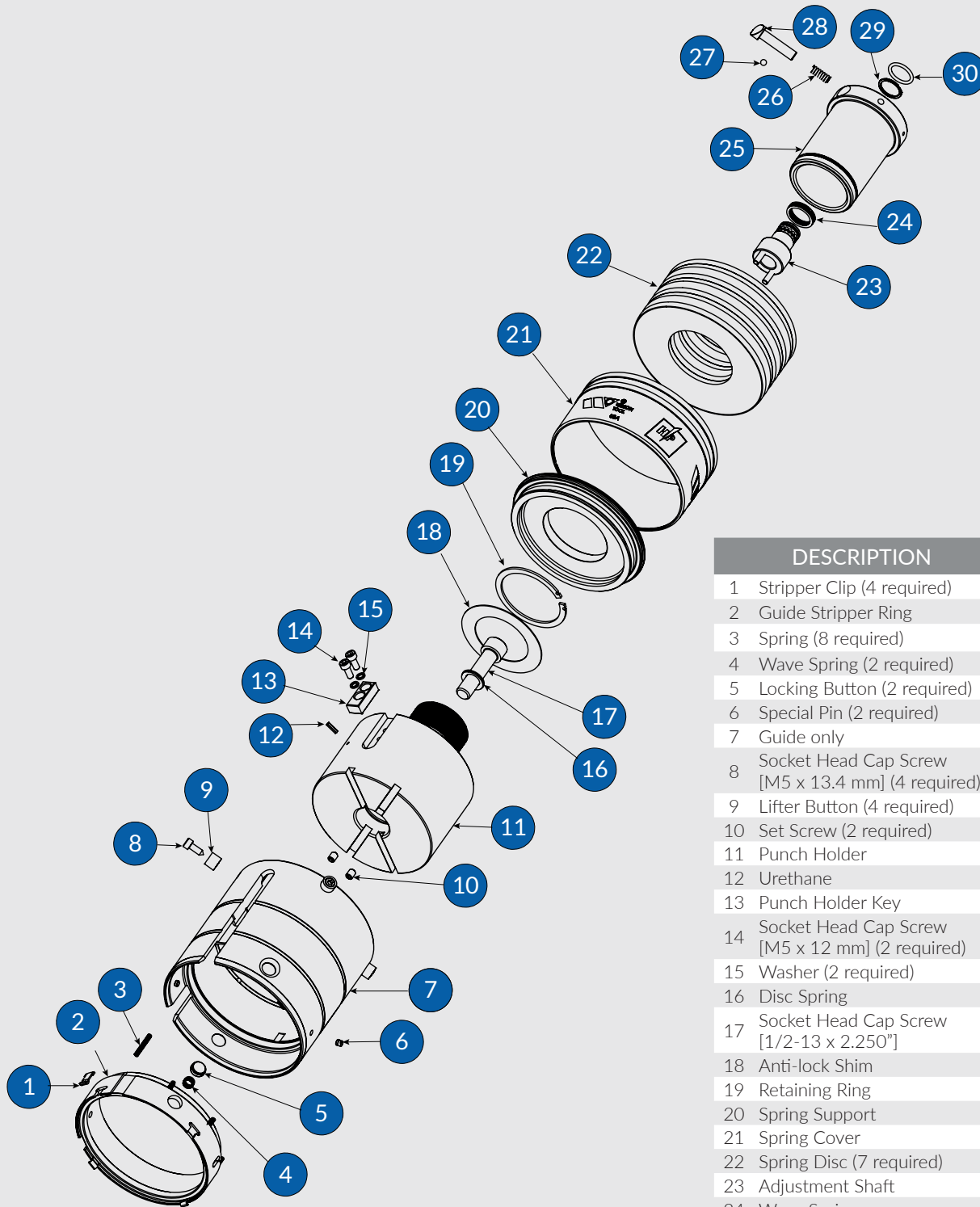
LD



OB



DD

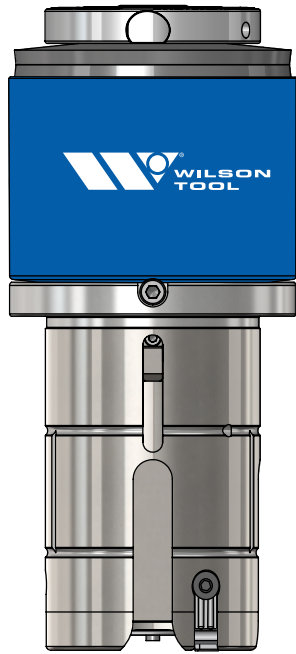


Cat. No. 5534 Guide Unit Assembly includes:  
1, 2, 3, 5, 6, 7, 8, & 9

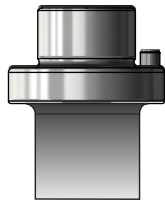
Cat. No. 5726 Driver Assembly includes:  
9, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 & 30

DESCRIPTION	CAT. NO.
1 Stripper Clip (4 required)	5521
2 Guide Stripper Ring	5538
3 Spring (8 required)	971694
4 Wave Spring (2 required)	8155
5 Locking Button (2 required)	5519
6 Special Pin (2 required)	5522
7 Guide only	5537
8 Socket Head Cap Screw [M5 x 13.4 mm] (4 required)	5210
9 Lifter Button (4 required)	5209
10 Set Screw (2 required)	6298
11 Punch Holder	5535
12 Urethane	2020643
13 Punch Holder Key	1862
14 Socket Head Cap Screw [M5 x 12 mm] (2 required)	6110
15 Washer (2 required)	2112
16 Disc Spring	971690
17 Socket Head Cap Screw [1/2-13 x 2.250"]	6325
18 Anti-lock Shim	5413
19 Retaining Ring	5747
20 Spring Support	5741
21 Spring Cover	5561
22 Spring Disc (7 required)	5449
23 Adjustment Shaft	5739
24 Wave Spring	971692
25 Punch Driver	5742
26 Spring	972396
27 Adjustment Locking Ball	972420
28 Index Button	5737
29 Retaining Ring	972441
30 O-Ring	972430





GUIDE  
ASSEMBLY



PUNCH



STRIPPER



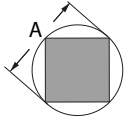
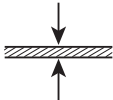
DIE



SHIM

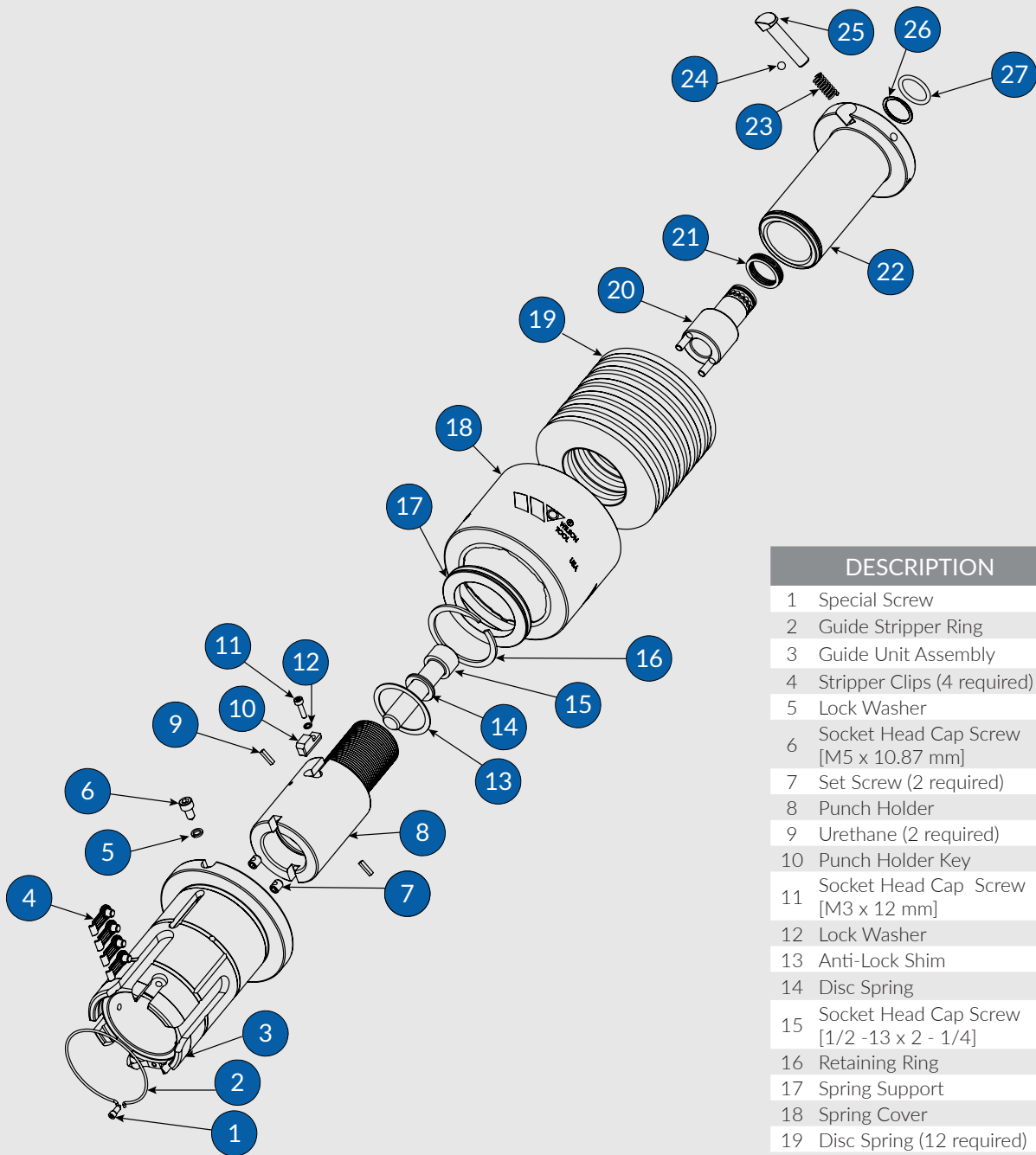
GUIDE ASSEMBLY	CAT. NO.	PRICE
Standard Assembly	5586	
PUNCH	CAT. NO.	PRICE
Round	5026	
Shape	5025	
Optima® Coating		
Ultima® Add on (Round)		
Ultima® Add on (Shape)		
STRIPPER	CAT. NO.	PRICE
Round	1848	
Shape	1854	
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2196	
Round Standard	1850	
Shape Slug Hugger®*	2197	
Shape Standard	13807	
Ultima® Add on		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.		
DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2089	
0.76 mm single	2725	
1.50 mm single	2092	
0.25 mm pack of 10	2210	
0.76 mm pack of 10	2726	
1.50 mm pack of 10	2174	

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 90°, and 225°.	50.8 mm 	6.35 mm 	All punches will be shipped with no shear, unless specified.  Use heavy duty punches for material thickness > 6.35 mm.  LVD Guide Assembly also available on request.

## 25 STANDARD SHAPES



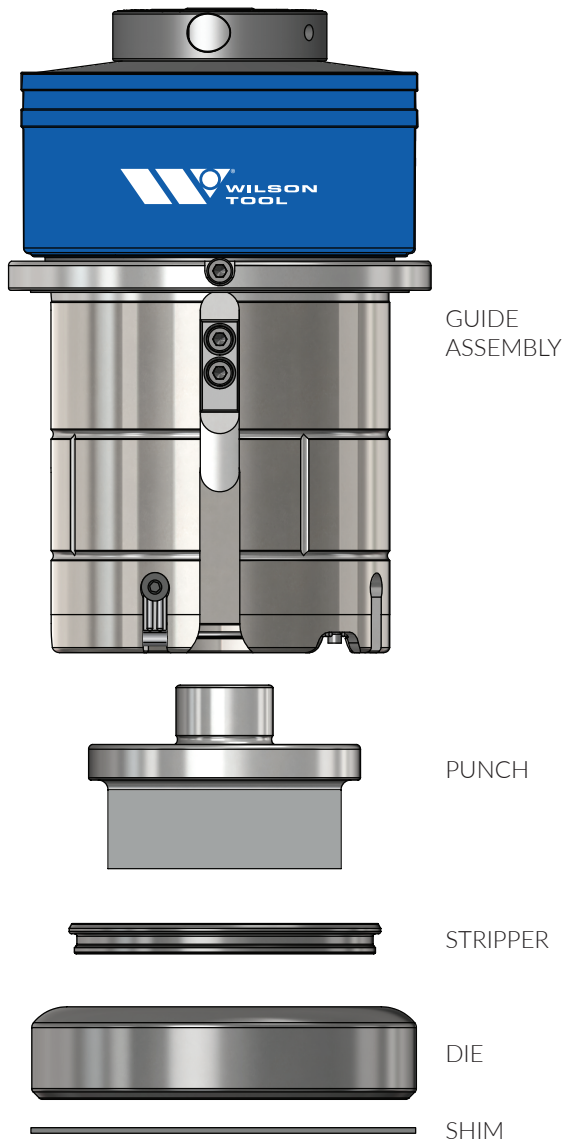


Cat. No. 5420 Guide Unit Assembly includes:  
1, 2, 5 & 6

Cat. No. 5729 Driver Assembly includes:  
16, 17, 18, 19, 20, 21, 22, 23, 24 & 25

DESCRIPTION	CAT. NO.
1 Special Screw	429
2 Guide Stripper Ring	5035
3 Guide Unit Assembly	5420
4 Stripper Clips (4 required)	2810
5 Lock Washer	2112
6 Socket Head Cap Screw [M5 x 10.87 mm]	5197
7 Set Screw (2 required)	6298
8 Punch Holder	5510
9 Urethane (2 required)	6116
10 Punch Holder Key	5373
11 Socket Head Cap Screw [M3 x 12 mm]	6326
12 Lock Washer	6327
13 Anti-Lock Shim	5412
14 Disc Spring	971690
15 Socket Head Cap Screw [1/2 -13 x 2 - 1/4]	6002
16 Retaining Ring	972570
17 Spring Support	5748
18 Spring Cover	5693
19 Disc Spring (12 required)	5744
20 Adjustment Shaft	5735
21 Wave Spring	971692
22 Punch Driver	5736
23 Spring	972396
24 Adjustment Locking Ball	972420
25 Adjustment Push Button	10539
26 Retaining Ring	972441
27 O-Ring	972430

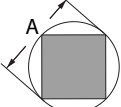
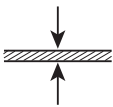




GUIDE ASSEMBLY		CAT. NO.	PRICE
Standard Assembly		5587	
PUNCH		CAT. NO.	PRICE
Round		5028	
Shape		5027	
Optima® Coating			
Ultima® Add on (Round)			
Ultima® Add on (Shape)			
STRIPPER		CAT. NO.	PRICE
Round		1864	
Shape		1869	
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		2198	
Round Standard		1865	
Shape Slug Hugger®*		2199	
Shape Standard		13810	
Ultima® Add on			
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2081	
0.76 mm	single	2727	
1.50 mm	single	2084	
0.25 mm	pack of 5	2211	
0.76 mm	pack of 5	2728	
1.50 mm	pack of 5	2175	

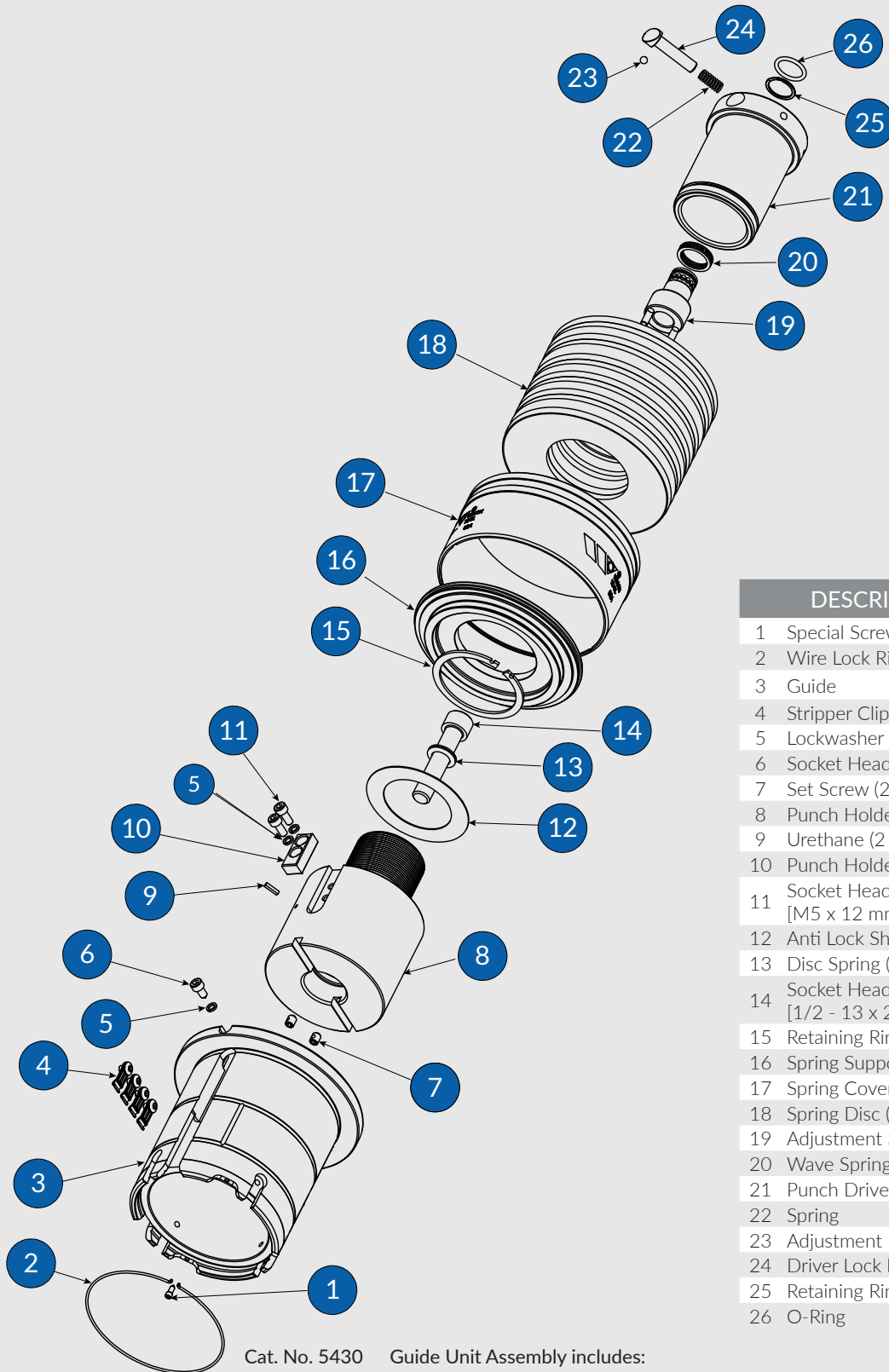
\* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 90°, and 225°.	88.9 mm 	6.35 mm 	1.6 mm rooftop shear is given to all punches with 'A' dimension > 50.8 mm and width > 6.35 mm.  LVD Guide Assembly also available on request.

## 25 STANDARD SHAPES





Cat. No. 5430

Guide Unit Assembly includes:  
1, 2, 5 & 6

Cat. No. 5730

Driver Assembly includes:  
114, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 & 25

DESCRIPTION	CAT. NO.
1 Special Screw	429
2 Wire Lock Ring	5036
3 Guide	5430
4 Stripper Clips (4 required)	2810
5 Lockwasher (2 required)	2112
6 Socket Head Cap Screw	5197
7 Set Screw (2 required)	6298
8 Punch Holder	5525
9 Urethane (2 required)	6116
10 Punch Holder Key	1862
11 Socket Head Cap Screw [M5 x 12 mm] (2 required)	6110
12 Anti Lock Shim	5413
13 Disc Spring (2 required)	971690
14 Socket Head Cap Screw [1/2 - 13 x 2 - 1/2]	6566
15 Retaining Ring	5747
16 Spring Support	5738
17 Spring Cover	5423
18 Spring Disc (7 required)	5449
19 Adjustment Shaft	5739
20 Wave Spring	971692
21 Punch Driver	5740
22 Spring	972396
23 Adjustment Locking Ball	972420
24 Driver Lock Button	5737
25 Retaining Ring	972441
26 O-Ring	972430





GUIDE  
ASSEMBLY



PUNCH



STRIPPER



DIE



SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Standard Assembly	5588	
LVD Assembly	35205	

PUNCH	CAT. NO.	PRICE
Round	5030	
Shape	5029	

Optima® Coating		
Ultima® Add on (Round)		
Ultima® Add on (Shape)		

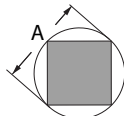
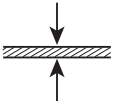
STRIPPER	CAT. NO.	PRICE
Round	1877	
Shape	1882	

DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2200	
Round Standard	1878	
Shape Slug Hugger®*	2201	
Shape Standard	13817	
Ultima® Add on		

\* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

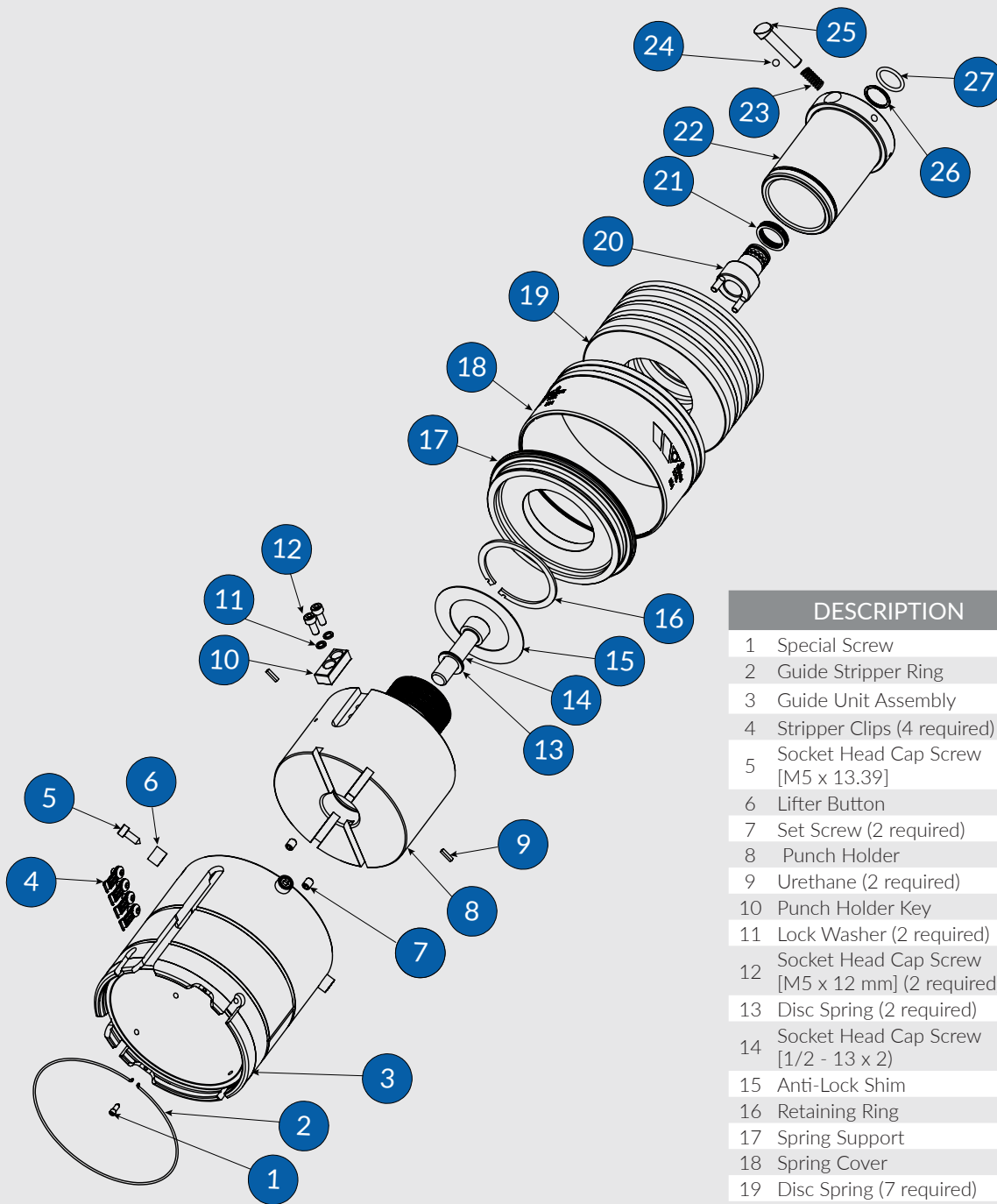
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2073	
0.76 mm	single	2729	
1.50 mm	single	2076	
0.25 mm	pack of 5	2212	
0.76 mm	pack of 5	2730	
1.50 mm	pack of 5	2176	

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 90°, and 225°.	114.3 mm 	6.35 mm 	1.6 mm rooftop shear is standard on all punches with 'A' dimension > 50.8 mm and width > 6.35 mm.  Ultima® Premium tool steel available for punches and dies.

## 25 STANDARD SHAPES





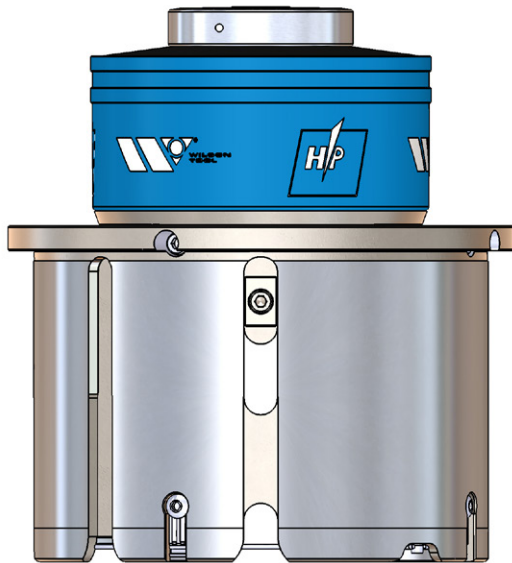
Cat. No. 5438 Guide Unit Assembly includes:

Cat. No. 5731 Driver Assembly includes:

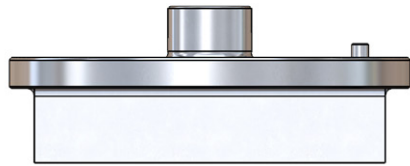
1, 2, 3, 5 & 6  
18, 19, 20, 21, 22, 23, 24, 25 & 26

DESCRIPTION	CAT. NO.
1 Special Screw	429
2 Guide Stripper Ring	5037
3 Guide Unit Assembly	5438
4 Stripper Clips (4 required)	2810
5 Socket Head Cap Screw [M5 x 13.39]	5210
6 Lifter Button	5209
7 Set Screw (2 required)	6298
8 Punch Holder	5535
9 Urethane (2 required)	6116
10 Punch Holder Key	1862
11 Lock Washer (2 required)	2112
12 Socket Head Cap Screw [M5 x 12 mm] (2 required)	6110
13 Disc Spring (2 required)	971690
14 Socket Head Cap Screw [1/2 - 13 x 2]	6325
15 Anti-Lock Shim	5413
16 Retaining Ring	5747
17 Spring Support	5741
18 Spring Cover	5423
19 Disc Spring (7 required)	5449
20 Adjustment Shaft	5739
21 Wave Spring	971692
22 Punch Driver	5742
23 Spring	972396
24 Adjustment Locking Ball	972420
25 Adjustment Push Button	5737
26 Retaining Ring	972441
27 O-Ring	972430





GUIDE  
ASSEMBLY



PUNCH



STRIPPER



DIE



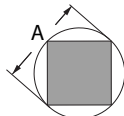
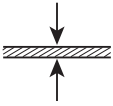
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Standard Assembly	14880	
PUNCH	CAT. NO.	
Round	5039	
Shape	5040	
Optima® Coating		
STRIPPER	CAT. NO.	
Round	1907	
Shape	1909	
DIE	CAT. NO.	
Round Slug Hugger®*	2202	
Round Standard	1910	
Shape Slug Hugger®*	2203	
Shape Standard	13822	

\* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

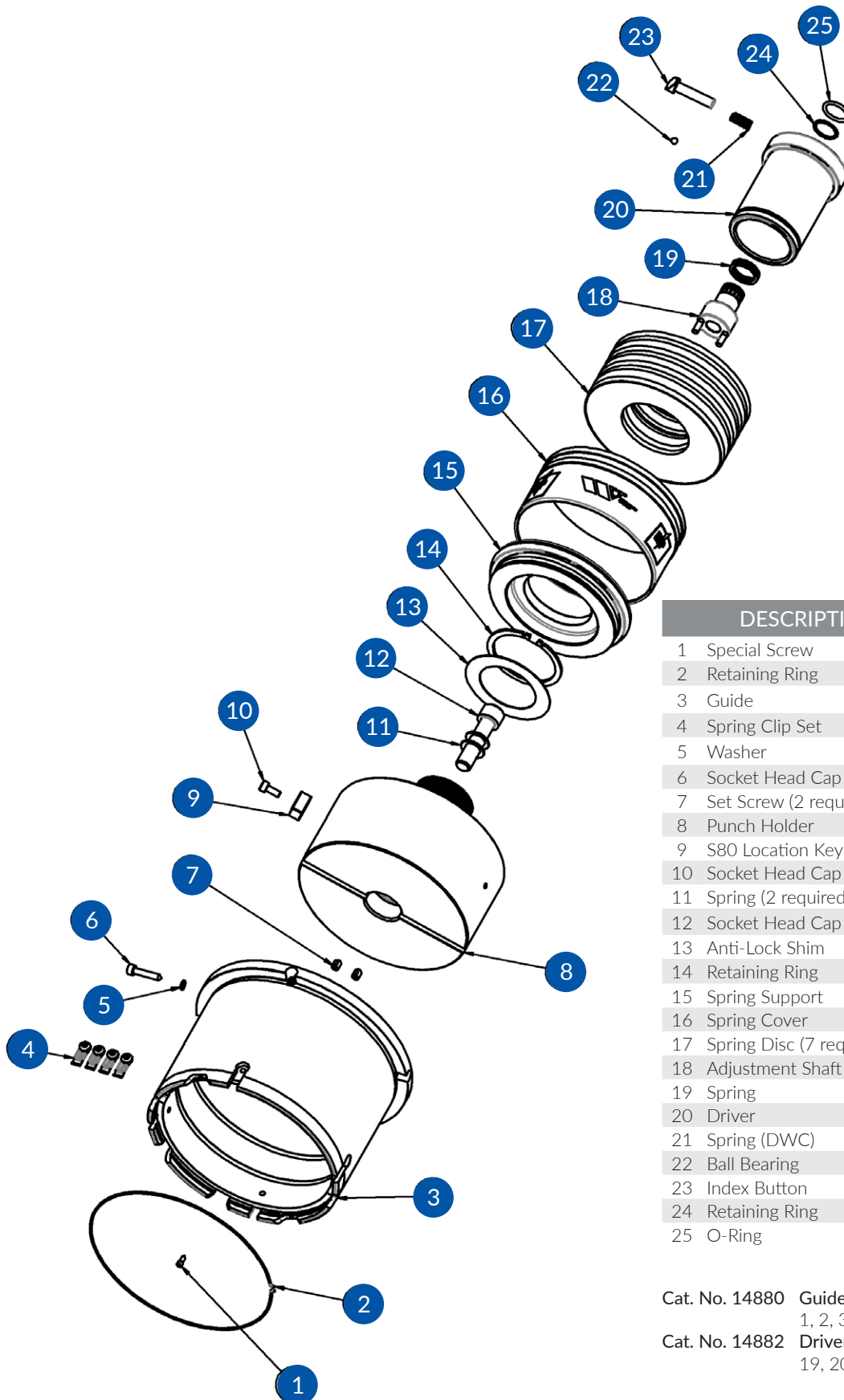
DIE SHIM	CAT. NO.
0.25 mm single	24269
0.76 mm single	24270
1.50 mm single	24271

Additional charges may apply to non-standard features.

DESCRIPTION	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225° and 270°.	152.4 mm 	6.35 mm 	1.6 mm rooftop shear is standard on all punches with 'A' dimension > 50.8 mm and width > 6.35 mm.

## 25 STANDARD SHAPES



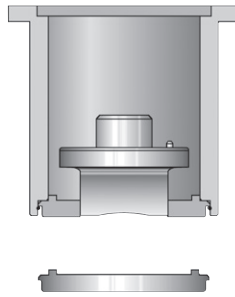


DESCRIPTION	CAT. NO.
1 Special Screw	429
2 Retaining Ring	5052
3 Guide	14884
4 Spring Clip Set	2810
5 Washer	2112
6 Socket Head Cap Screw	988702
7 Set Screw (2 required)	6298
8 Punch Holder	14885
9 S80 Location Key	5041
10 Socket Head Cap Screw	6325
11 Spring (2 required)	971690
12 Socket Head Cap Screw	6325
13 Anti-Lock Shim	5413
14 Retaining Ring	5747
15 Spring Support	14886
16 Spring Cover	5561
17 Spring Disc (7 required)	5449
18 Adjustment Shaft	5739
19 Spring	971692
20 Driver	5742
21 Spring (DWC)	972396
22 Ball Bearing	972420
23 Index Button	5737
24 Retaining Ring	972441
25 O-Ring	972430

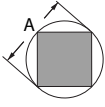
**Cat. No. 14880 Guide Unit Assembly includes:**  
1, 2, 3, 5, 6, 7, 8 & 9

**Cat. No. 14882 Driver Assembly includes:**  
19, 20, 21, 22, 23, 24 & 25





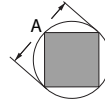
STATION	MAX PUNCH 'A' DIMENSION	SHAPE	HP		HP ABS/WLS		S-90		S-90 ABS/WLS	
			CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
C	50.8 mm	Round	2469		5643		5067		5453	
		Shape	2470		5644		5068		5454	
D	88.9 mm	Round	2471		5645		5069		5455	
		Shape	2472		5646		5070		5456	
E	114.3 mm	Round	2473		5647		5071		5457	
		Shape	2474		5648		5072		5458	

DESCRIPTION	MAX. 'A' DIMENSION	ADVANTAGES	NOTES
The Notcher stripper plate is a hardened tool steel stripper plate that is precision ground to exacting tolerances. Uniquely designed to give the rigidity and slip fit of a special notching unit.	See chart above 	<ul style="list-style-type: none"> <li>Longer tool life</li> <li>Standard punch can be used</li> </ul>	Designed to fit Wilson Tool manufactured guide assemblies.

## BONDED URETHANE STRIPPER PLATES



STATION	MAX PUNCH 'A' DIMENSION	SHAPE	HP	
			CAT. NO.	PRICE
A	12.7 mm	Round	14863	
		Shape	14864	
B	31.75 mm	Round	14866	
		Shape	14867	
C	50.8 mm	Round	14869	
		Shape	14870	
D	88.9 mm	Round	14872	
		Shape	14873	
E	114.3 mm	Round	14875	
		Shape	14876	

DESCRIPTION	MAX. 'A' DIMENSION	ADVANTAGES	NOTES
Steel stripper plates that have had a layer of urethane bonded to the top surface.	See chart above 	<ul style="list-style-type: none"> <li>Reduced Sheet Marking</li> <li>Standard punch can be used</li> </ul>	Designed to fit Wilson Tool manufactured guide assemblies.

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

## Wear-Beater™

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

## Optima®

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.

## 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	WEAR-BEATER	OPTIMA	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 ★	

# 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

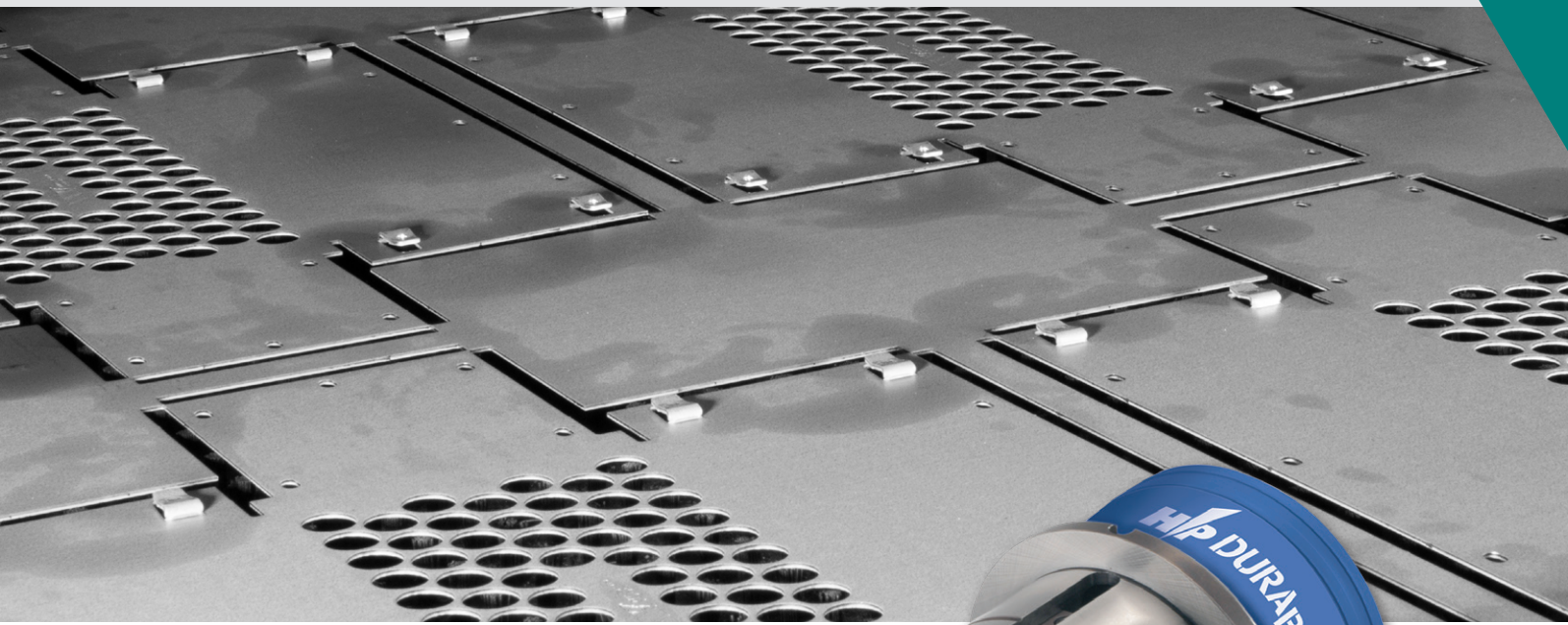
With up to twice as long between regrinds, Ultima punches and dies substantially reduce downtime and tool replacement costs. Breaking, chipping, cracking, tool fatigue and other problems are minimized, providing long-term gains in productivity and profitability.

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



EXP punches shown

# PARTING TOOLS



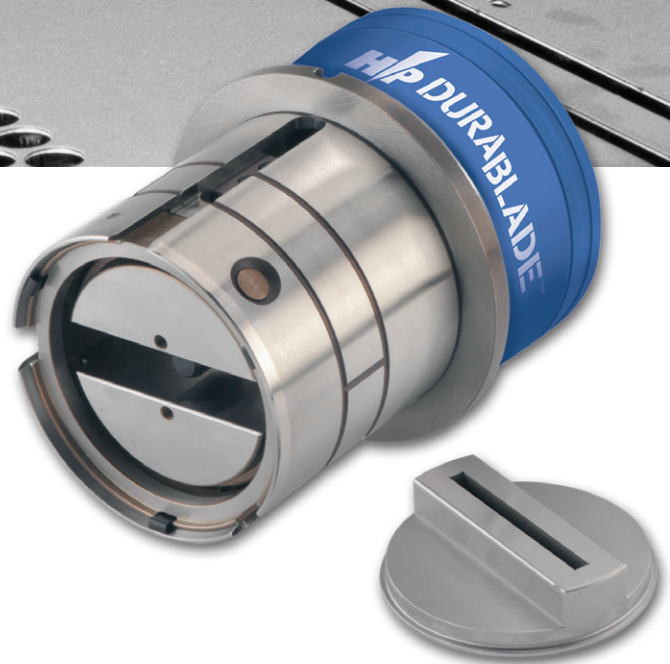
## Parting and slitting are common practices

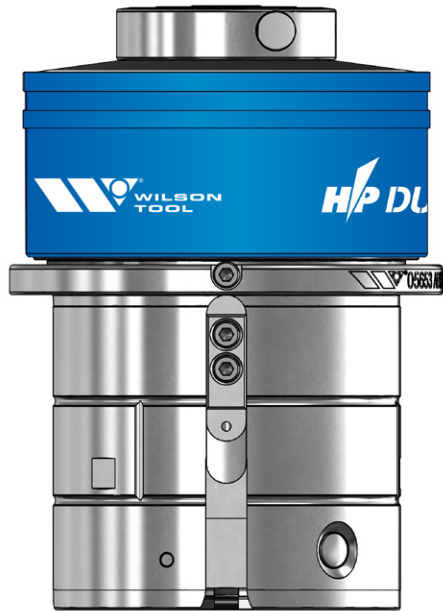
in sheet metal fabrication. Whether you are parting nested parts or straightening the edge of the sheet, you need a product that is rigid and delivers a long tool life.

Wilson Tool developed the Dura-Blade™ and Dura-Die parting products specifically to maximize your productivity for these applications.

**Dura-Blade™** features a simple push button adjustment and replaceable cutting blade insert made from Ultima® premium tool steel to significantly increase grind life. The punch blades are supplied with rooftop shear as a standard to reduce punching force and noise.

The **Dura-Die parting tool** completes Wilson Tool's ultimate parting solution. If a new die is necessary, simply replace the removable insert and you are quickly back up and running. When combined with our Dura-Blade product, you are able to greatly increase the life of your parting tools and to help minimize material waste, both products are available with a one or two-sided relieved strippers for use in close-to-clamp. Dura-Dies are also made from Ultima® premium tool steel to significantly increase grind life.





GUIDE  
ASSEMBLY



PUNCH



STRIPPER

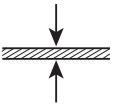


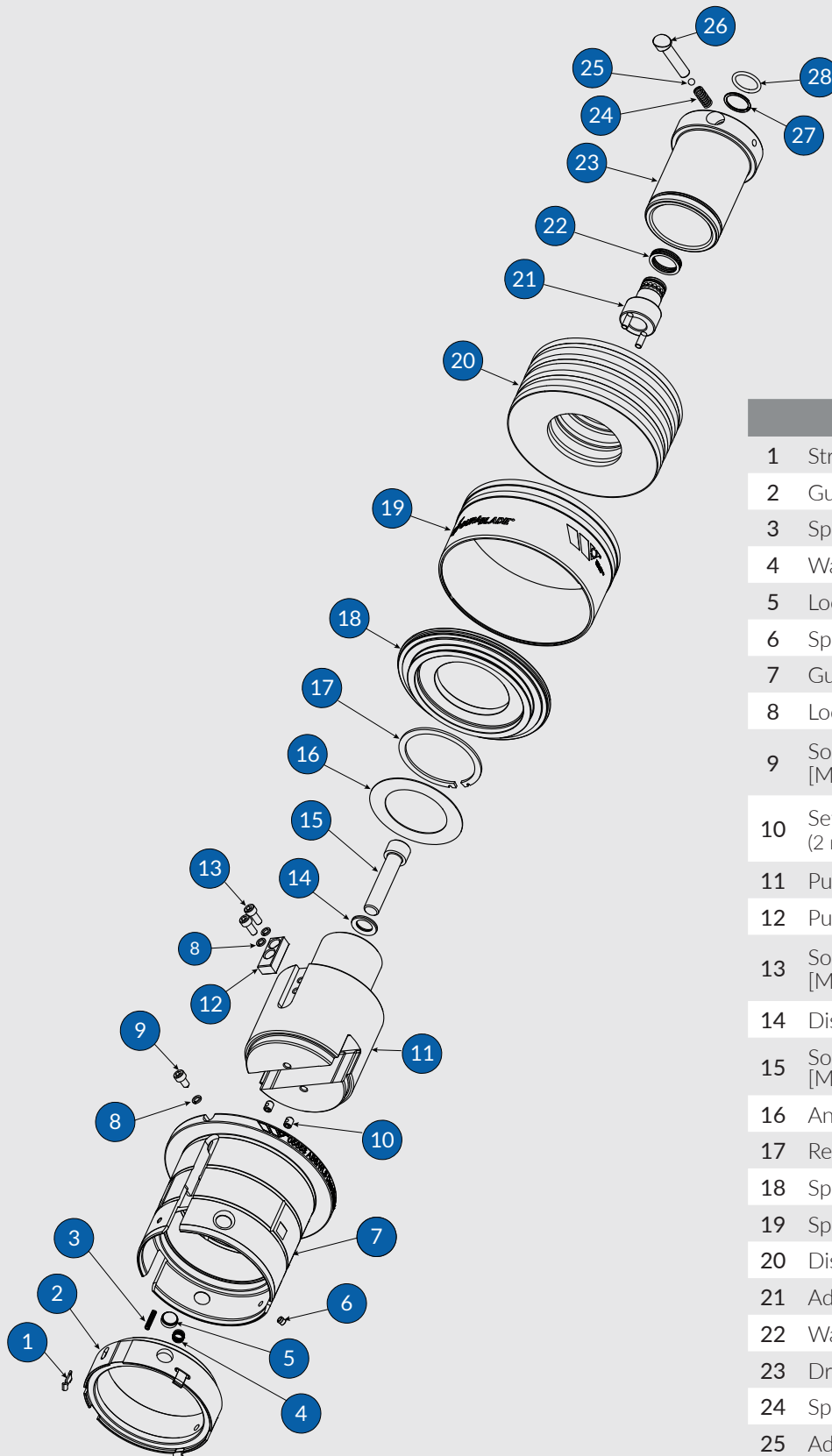
DIE



SHIM

GUIDE ASSEMBLY		CAT. NO.	PRICE
Assembly		5663	
Assembly ABS /WLS		5653	
PUNCH		CAT. NO.	PRICE
Insert		5657	
Optima® Coating			
STRIPPER		CAT. NO.	PRICE
One Sided Relief		5665	
One Sided Relief ABS		5666	
Two Sided Relief		5656	
Two Sided Relief ABS		5664	
DIE		CAT. NO.	PRICE
Slug Hugger® * (relief 2 sides, shape at 90°)		5157	
Slug Hugger® * (relief 2 sides, shape at 0°-90°)		5330	
Slug Hugger® * (relief 1 side, shape at 90°)		2464	
Slug Hugger® * (relief 1 side, shape at 0°-90°)		5333	
Standard (relief 2 sides, shape at 90°)		13814	
Standard (relief 2 sides, shape at 0°-90°)		13813	
Standard (relief 1 side, shape at 90°)		13812	
Standard (relief 1 side, shape at 0°-90°)		13811	
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2081	
0.76 mm	single	2727	
1.5 mm	single	2084	
0.25 mm	pack of 5	2211	
0.76 mm	pack of 5	2728	
1.5 mm	pack of 5	2175	

DESCRIPTION	MAX WIDTH FOR BLADE INSERT	MAX. MATERIAL THICKNESS	NOTES
Dura Blade guide assemblies are keyed for shapes at 0°, 45°, and 90°.  Punch blades are Ultima Premium tool steel.	19.05 mm	6.35 mm 	Ultima® Premium tool steel is available on dies.



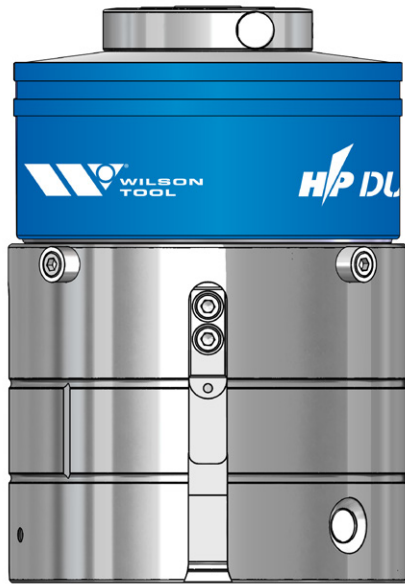
Cat. No. 5654 Guide Unit Assembly includes:

1, 2, 3, 5, 6, 7, 8, & 9

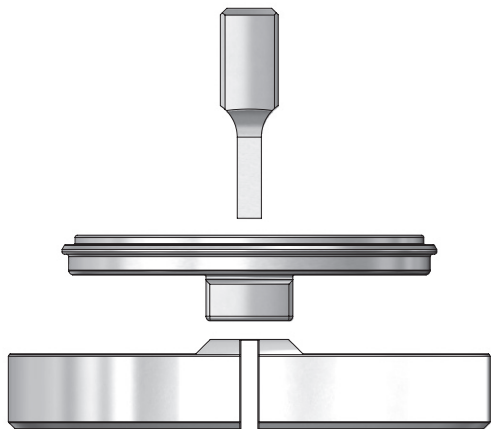
Cat. No. 5727 Driver Assembly includes:

17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27

	DESCRIPTION	CAT. NO.
1	Stripper Clip (3 required)	5521
2	Guide Stripper Ring	5528
3	Spring (6 required)	971694
4	Wave Spring (2 required)	8155
5	Locking Button (2 required)	5519
6	Special Pin (2 required)	5522
7	Guide Unit Only	5659
8	Lock Washer (4 required)	2112
9	Socket Head Cap Screw [M5 x 10.87 mm] (2 required)	5197
10	Set Screw [M6 x 8 mm] (2 required)	6298
11	Punch Holder with Bushing	5655
12	Punch Holder Key	1862
13	Socket Head Cap Screw [M5 x 12 mm] (2 required)	6110
14	Disc Spring (2 required)	971690
15	Socket Head Cap Screw [M12 x 55 mm]	6026
16	Anti Lock Shim	5413
17	Retaining Ring	5747
18	Spring Support	5738
19	Spring Cover	5679
20	Disc Spring (7 required)	5449
21	Adjustment Shaft	5739
22	Wave Spring	971692
23	Driver	5740
24	Spring	972396
25	Adjustment Locking Ball	972420
26	Adjustment Button	5737
27	Retaining Ring	972441
28	O-Ring	972430



GUIDE  
ASSEMBLY



PUNCH

STRIPPER

DIE



SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	5639	
Assembly ABS/WLS	5626	

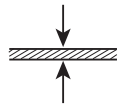
PUNCH	CAT. NO.	PRICE
Insert	5630	
Optima® Coating		

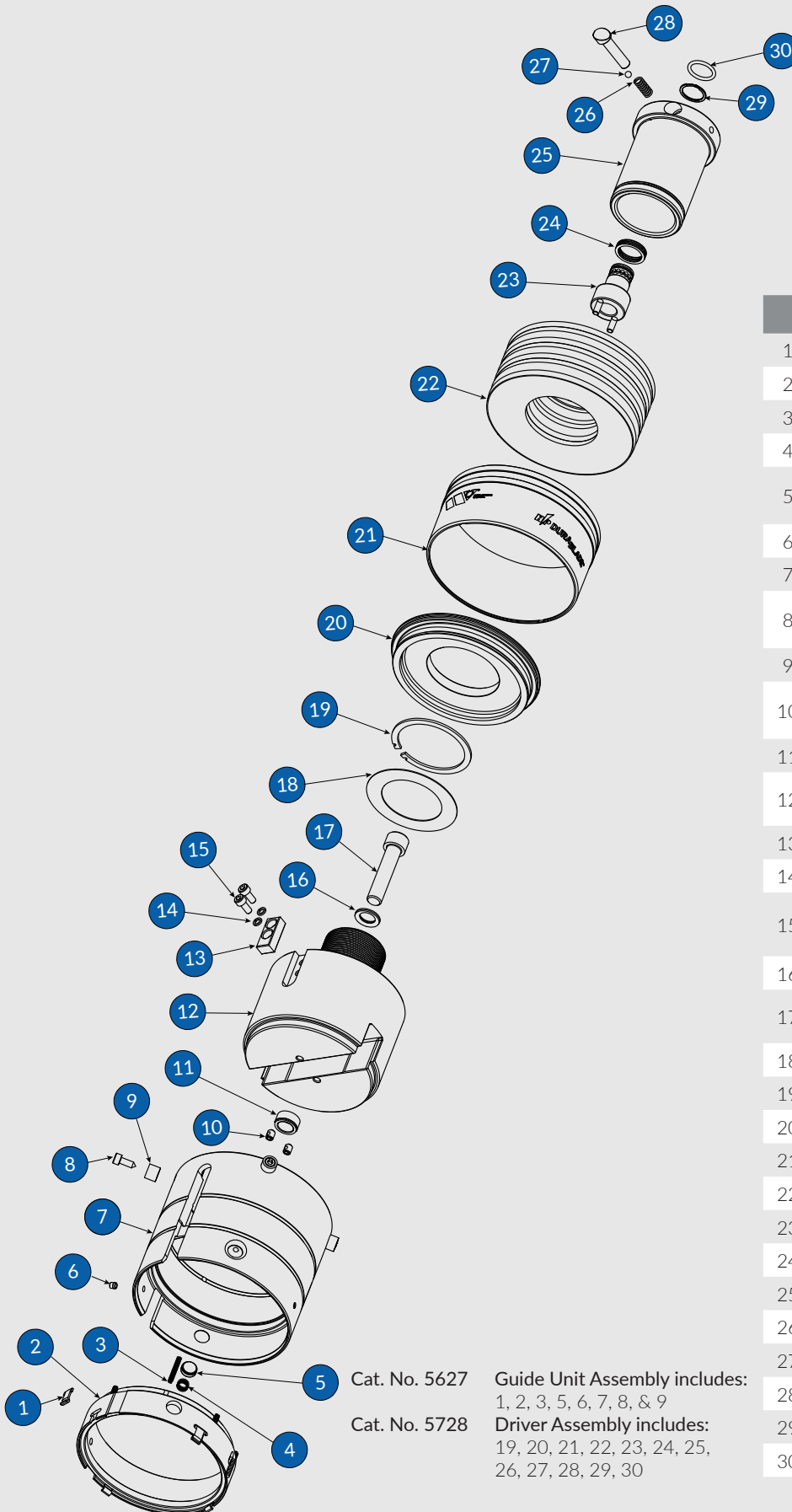
STRIPPER	CAT. NO.	PRICE
One Sided Relief	5641	
One Sided Relief ABS	5642	
Two Sided Relief	5629	
Two Sided Relief ABS	5640	

DIE	CAT. NO.	PRICE
Slug Hugger® * (relief 2 sides, shape at 90°)	5159	
Slug Hugger® * (relief 2 sides, shape at 0°-90°)	5340	
Slug Hugger® * (relief 1 side, shape at 90°)	2467	
Slug Hugger® * (relief 1 side, shape at 0°-90°)	5343	
Standard (relief 2 sides, shape at 90°)	13821	
Standard (relief 2 sides, shape at 0°-90°)	13820	
Standard (relief 1 side, shape at 90°)	13819	
Standard (relief 1 side, shape at 0°-90°)	13818	

\* Slug Hugger dies must be ordered punch size plus clearance.  
Size restrictions apply.

DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2073	
0.76 mm single	2729	
1.5 mm single	2076	
0.25 mm pack of 5	2212	
0.76 mm pack of 5	2730	
1.5 mm pack of 5	2176	

DESCRIPTION	MAX WIDTH FOR BLADE INSERT	MAX. MATERIAL THICKNESS	NOTES
Dura Blade guide assemblies are keyed for shapes at 0°, 45°, and 90°.  Punch blades are Ultima Premium tool steel.	19.05 mm	6.35 mm 	Ultima Premium tool steel is available on dies.



	DESCRIPTION	CAT. NO.
1	Stripper Clip (4 required)	5521
2	Guide Stripper Ring	5538
3	Spring (8 required)	971694
4	Wave Spring (2 required)	8155
5	Locking Button (2 required)	5519
6	Special Pin (2 required)	5522
7	Guide Unit Only	5632
8	Socket Head Cap Screw [M5 x 13.39 mm] (2 required)	5210
9	Lifter Button (2 required)	5209
10	Set Screw [M6 x 8 mm] (2 required)	6298
11	Bushing	5631
12	Punch Holder with Bushing	5628
13	Punch Holder Key	1862
14	Lock Washer (2 required)	2112
15	Socket Head Cap Screw [M5 x 12 mm] (2 required)	6110
16	Disc Spring (2 required)	971690
17	Socket Head Cap Screw [M12 x 55 mm]	6026
18	Anti Lock Shim	5413
19	Retaining Ring	5747
20	Spring Support	5741
21	Spring Cover	5679
22	Disc Spring (7 required)	5449
23	Adjustment Shaft	5739
24	Wave Spring	971692
25	Driver	5742
26	Spring	972396
27	Adjustment Locking Ball	972420
28	Adjustment Button	5737
29	Retaining Ring	972441
30	O-Ring	972430

Cat. No. 5627

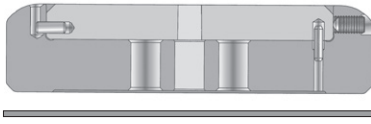
Cat. No. 5728

Guide Unit Assembly includes:

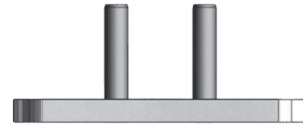
1, 2, 3, 5, 6, 7, 8, & 9

Driver Assembly includes:

19, 20, 21, 22, 23, 24, 25,  
26, 27, 28, 29, 30

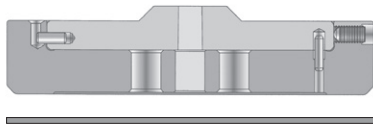


Blade Holder  
Assembly  
Shim

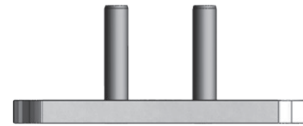


Knock Out Tool

SLITTING DURA-DIE	QTY.	'C' STATION		'D' STATION		'E' STATION	
		CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
Blade - Positive	1	12991		13008		13013	
Blade - Slug Hugger 2	1	12992		13009		13014	
*Blade Holder Assembly at 0° and 90°	1	12989		13006		13015	
Shim Pack	1	12995		13012		13017	
Knock Out Tool		24310		24310		24313	
Maximum length		51 mm		86 mm		111.8 mm	
Maximum width		7 mm		6.35 mm		9.52 mm	
Maximum clearance for maximum length		0.51 mm		1.02 mm		0.76 mm	



Blade Holder  
Assembly  
Shim



Knock Out Tool

CLOSE-TO-CLAMP SLITTING DURA-DIE	QTY.	'D' STATION		'E' STATION	
		CAT. NO.	PRICE	CAT. NO.	PRICE
Blade - Positive (relief 2 sides)	1	13281		13289	
Blade - SlugHugger 2 (relief 2 sides)	1	13282		13290	
Blade Holder Assembly at 0° and 90°	1	13276		13284	
Shim Pack	1	13012		13017	
Knock Out Tool		24310		24313	
Maximum length		81 mm		111.8 mm	
Maximum width		7 mm		9.52 mm	
Maximum clearance for maximum length		0.51 mm		0.76 mm	

## NOTES

All die assemblies include blade holder, knock out tool, and shim pack.

Dura-Blades™ and Dura-Dies are made from Ultima® Premium tool steel as standard.

Die blades ordered separately.



## 'D' STATION

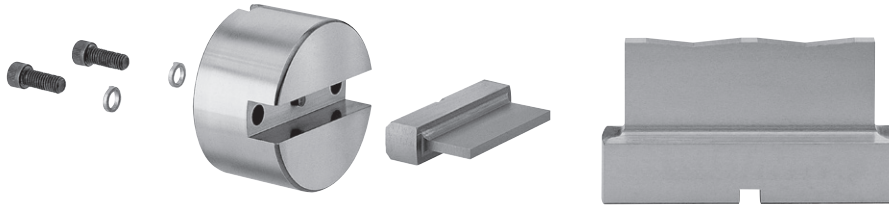
PUNCH		CAT. NO.	PRICE
Thin Clamps	HP	5027	
Thick Clamp	S-80/90	5114	
Optima® Coating			
STRIPPER		CAT. NO.	PRICE
Thin Clamps	S-80	5100	
Thick Clamp	S-80	5115	
Thick Clamp	S-90	5399	
Thick Clamp	S-90 ABS	5360	
DIE		CAT. NO.	PRICE
Slug Hugger® * (relief 2 sides, shape at 90°)		5157	
Slug Hugger® * (relief 2 sides, shape at 0°-90°)		5330	
Slug Hugger® * (relief 1 side, shape at 90°)		2464	
Slug Hugger® * (relief 1 side, shape at 0°-90°)		5333	
Standard	(relief 2 sides, shape at 90°)	13814	
Standard	(relief 2 sides, shape at 0°-90°)	13813	
Standard	(relief 1 side, shape at 90°)	13812	
Standard	(relief 1 side, shape at 0°-90°)	13811	
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			

## 'E' STATION

PUNCH		CAT. NO.	PRICE
Thin Clamps	HP	5029	
Thick Clamp	S-80/90	5109	
Optima® Coating			
STRIPPER		CAT. NO.	PRICE
Thin Clamps	S-80	5094	
Thick Clamp	S-80	5110	
Thick Clamp	S-90	5400	
Thick Clamp	S-90 ABS	5385	
DIE		CAT. NO.	PRICE
Slug Hugger® * (relief 2 sides, shape at 90°)		5159	
Slug Hugger® * (relief 2 sides, shape at 0°-90°)		5340	
Slug Hugger® * (relief 1 side, shape at 90°)		2467	
Slug Hugger® * (relief 1 side, shape at 0°-90°)		5343	
Standard	(relief 2 sides, shape at 90°)	13821	
Standard	(relief 2 sides, shape at 0°-90°)	13820	
Standard	(relief 1 side, shape at 90°)	13819	
Standard	(relief 1 side, shape at 0°-90°)	13818	
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			

## NOTES

All punches will be shipped with no shear unless specified.



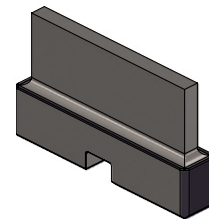
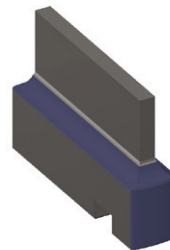
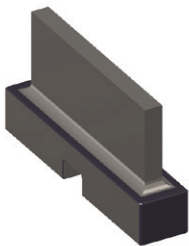
## REPLACEABLE INSERT ASSEMBLY

STATION	BODY (1/2" - 13)		BODY (M - 12)		PUNCH INSERT		SET (1/2" - 13)		SET (M - 12)	
	CAT. NO	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
C	2623		2625		2590		2568		2624	
D	1966		2286		1967		1965		2372	
E	1969		2287		1970		1968		2373	

## PARTS DESCRIPTION

	CAT. NO.	PRICE
Socket Head Cap Screw – 3/8" - 16 x 1-1/2" long for C station	6391	
Socket Head Cap Screw – 3/8" - 16 x 1" long for D, E & F stations	6019	
High Collar Lock Washer for 3/8" screw	2129	
Dowel Pin – 1/4" Dia. x .450" long (All Stations)	6004	

DESCRIPTION	NOTES
Optima® coating is standard on punch inserts. Inserts are available as Obround to be used with rectangle die to eliminate 'saw-tooth effect'.	<ul style="list-style-type: none"> <li>Blade insert punches &lt; 9.53 mm in width are shipped with no shear unless specified.</li> <li>Double Valley Shear is recommended for widths of 4.75 mm - 9.53 mm and minimum lengths of 50.8 mm when used for nibbling.</li> <li>Maximum width = 19 mm.</li> </ul>



MATE STYLE	CAT. NO.	PRICE
'C' Station Blade	15547	
'D' Station Blade	14046	
'E' Station Blade	14047	
Optima® Coating		

AMADA STYLE	ALPHA		STANDARD 'Q' SERIES	
	CAT. NO.	PRICE	CAT. NO.	PRICE
'C' Station Blade	-	-	14180	
'D' Station Blade	14044		14201	
'E' Station Blade	14045		14202	
Optima® Coating				

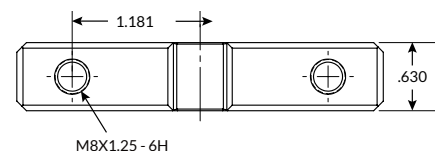


Diagram dimensions shown for 'D' and 'E' Amada Standard inserts.

ULTRA™ PUNCH	CAT. NO.	PRICE
'A' Station Round	13715	
'A' Station Shape	13716	
'B' Station Round	13717	
'B' Station Shape	13718	
ULTRA™ STRIPPER	CAT. NO.	PRICE
'A' Station Round	15500	
'A' Station Shape	15501	
'A' Station Round ABS	15502	
'A' Station Shape ABS	15503	
'B' Station Round	15504	
'B' Station Shape	15505	
'B' Station Round ABS	15506	
'B' Station Shape ABS	15507	
'C' Station Round	15508	
'C' Station Shape	15509	
'C' Station Round ABS	15510	
'C' Station Shape ABS	15511	
'D' Station Round	15512	
'D' Station Shape	15513	
'D' Station Round ABS	15514	
'D' Station Shape ABS	15515	
'E' Station Round	15516	
'E' Station Shape	15517	
'E' Station Round ABS	15518	
'E' Station Shape ABS	15519	

*\*Mate Ultra is a trademark of Mate Precision Tooling. Wilson Tool offers Mate Ultra tooling under an exclusive license agreement with Mate Precision tooling.*



DESCRIPTION
Wilson Tool's Ultra Replacement punches and strippers are 100% compatible with Ultra guide assemblies and holders.
Optima coating available for punches.

## THE TOOLS FOR YOUR SUCCESS

Whilst this catalogue certainly contains many of the physical tools you may need to be successful, Wilson Tool also offers a variety of educational opportunities that are designed to help drive your success.

We encourage you to take advantage of the many free resources offered by some of our leading technical experts covering a wide variety of topics.

These educational opportunities include:

### SOLUTION-FOCUSED NEWSLETTERS

These are designed to not just be a monthly sales pitch, but practical solutions to common and not-so-common fabrication issues.

### TRADE SHOWS

Wilson Tool attends many trade shows across Europe and the Middle East on an annual basis. Come visit us at your local show and challenge our sales team with your enquiries. A list of our upcoming shows are available on our website.

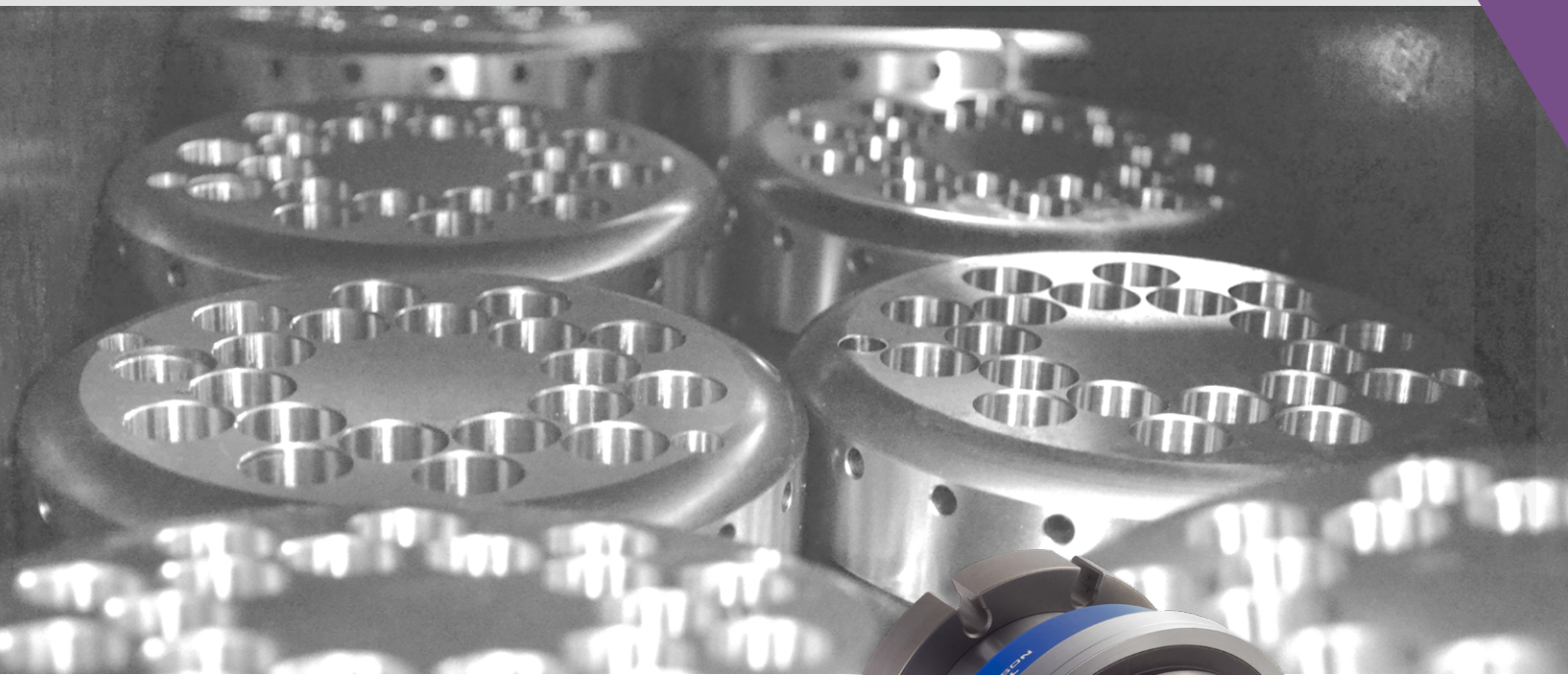
### OPEN DAYS

Not only are our customers always welcome to visit our facilities but we also host Seminar Days to help our customers find the best solutions to their manufacturing problems. From Press Brake to Punch Press to Lean manufacturing, we host a variety of events so our customers get the most out of their day.



For more information about any or all of these educational opportunities, ask your local Sales Engineer or visit [wilsontool.com](http://wilsontool.com)

# MULTI-TOOLS



**Multi-Tools** enable you to load the equivalent of 3, 8, or even 20 smaller tools in a single station. This increases your turret capacity and reduces set-up times and costs. Wilson Multi-Tools are engineered with the strongest available tool steel.

## MTX 'R' Series

Easier than ever tool-less adjustments and changes, with no additional tooling inventory needed. HP and EXP thick turret punches, strippers and dies, can maximise grind life and lower tooling costs.

- Punch at any angle from 0° - 360°
- 3 station and 8 station options
- Adjust punch length with a simple twist of the punch driver
- Visual guide groove makes setting tool length simple
- Punches are held in the 'up' position when not in use, leaving material mark-free
- Internal lube port keeps all parts moving smoothly
- Optional coatings provide exceptional wear resistance

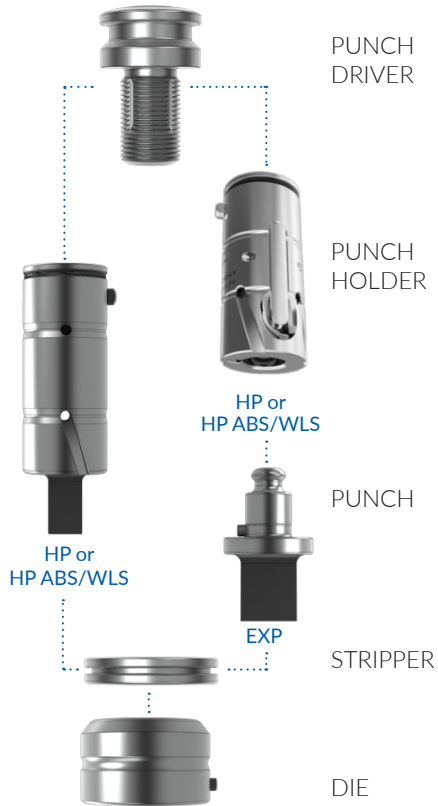


## MT7A

This consolidates up to seven punches into a single tool, reducing multiple set-ups. The drop-in style allows punches to be loaded or unloaded quickly and easily, and accepts all styles of 'A' station punch, guide assemblies and dies.



MTX3iR shown for reference



UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
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<b>MTX3 Assembly</b> <i>Tool kit with punch drivers included</i>	Call Sales Desk	
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PUNCH DRIVER	CAT. NO.	PRICE
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Punch Driver	45481	
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PUNCH	CAT. NO.	PRICE
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*HP Round	2407	
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*HP Shape	2408	
-----------	------	--

*HP Round ABS	2398	
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*HP Shape ABS	2399	
---------------	------	--

Optima® Coating	-	
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** EXP Round	13916	
--------------	-------	--

** EXP Shape	13917	
--------------	-------	--

Optima® Coating	-	
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\*Requires a Punch Driver

\*\* Requires an EXP punch holder and driver

PUNCH HOLDER	CAT. NO.	PRICE
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EXP Shape HP	14917	
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EXP Shape HP ABS/WLS	14913	
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STRIPPER	CAT. NO.	PRICE
----------	----------	-------

Round	1890	
-------	------	--

Shape	1917	
-------	------	--

Round ABS	2433	
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Shape ABS	2432	
-----------	------	--

DIE	CAT. NO.	PRICE
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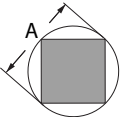

Round Slug Hugger®*	2194	
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Round Standard	2021	
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Shape Slug Hugger® 2*	12961	
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Shape Standard	13804	
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\* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

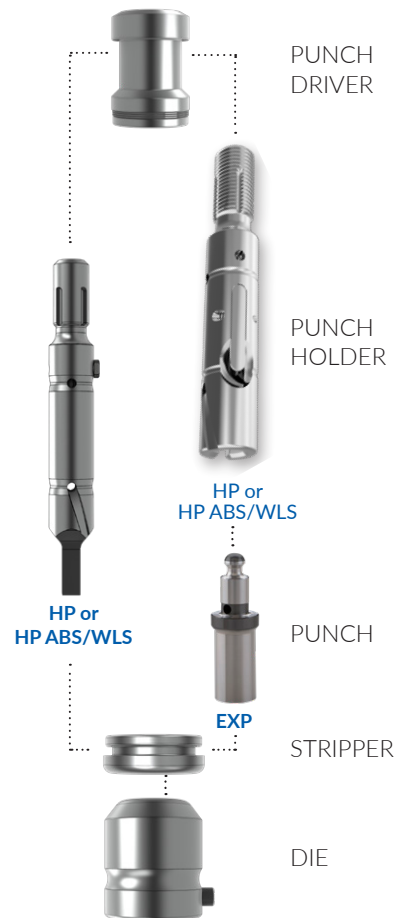
INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX. 'A' DIMENSION	MAX. MATERIAL THICKNESS
<ul style="list-style-type: none"> <li>Machine Make</li> <li>Machine Model</li> <li>Machine Serial Number</li> </ul>	Available for the following machine makes: Prima Power LVD Strippit Durma Baykal	31.75 mm 	16 Tons Max [142 Kn]  Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 



MTX8iR shown for reference

UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
<b>MTX8 Assembly</b>		
<i>Tool kit with punch drivers included</i>	Call Sales Desk	
PUNCH DRIVER	CAT. NO.	PRICE
Punch Driver	45493	
PUNCH	CAT. NO.	PRICE
*HP Round	2405	
*HP Shape	2406	
*HP Round ABS	2385	
*HP Shape ABS	2389	
Optima® Coating	-	
** EXP Round	13904	
** EXP Shape	13905	
Optima® Coating	-	
* Requires a Punch Driver		
** Requires an EXP punch holder and driver		
PUNCH HOLDER	CAT. NO.	PRICE
EXP Shape HP	14895	
EXP Shape HP ABS/WLS	14891	
STRIPPER	CAT. NO.	PRICE
Round	13044	
Shape	13143	
Round ABS	13045	
Shape ABS	13152	
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2192	
Round Standard	1808	
Shape Slug Hugger® 2*	12959	
Shape Standard	13801	

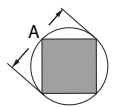

\* Slug Hugger dies must be ordered punch size plus clearance.  
Size restrictions apply.



INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX 'A' DIMENSION	MAX. MATERIAL THICKNESS
<ul style="list-style-type: none"> <li>Machine Make</li> <li>Machine Model</li> <li>Machine Serial Number</li> </ul>	Available for the following machine makes: Prima Power LVD Strippit Durma Baykal	12.7 mm as standard  Shapes: Up to 16 mm Rounds: Up to 14 mm Contact sales desk for more details	7 Tons Max [62 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 



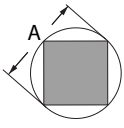

UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
<b>MTX8i</b>	Call Sales Desk	
<i>Tool kit with punch drivers included</i>		
<b>PUNCH DRIVER</b>	CAT. NO.	PRICE
Punch Driver	45493	
<b>PUNCH</b>	CAT. NO.	PRICE
*HP Round	2405	
*HP Shape	2406	
*HP Round ABS	2385	
*HP Shape ABS	2389	
Optima® Coating	-	
** EXP Round	13904	
** EXP Shape	13905	
Optima® Coating	-	
* Requires a Punch Driver		
** Requires and EXP punch holder and driver		
<b>PUNCH HOLDER</b>	CAT. NO.	PRICE
EXP Shape HP	14895	
EXP Shape HP ABS/WLS	14891	
<b>STRIPPER</b>	CAT. NO.	PRICE
Round	13044	
Shape	13143	
Round ABS	13045	
Shape ABS	13152	
<b>DIE</b>	CAT. NO.	PRICE
Round Slug Hugger®*	2192	
Round Standard	1808	
Shape Slug Hugger® 2*	12959	
Shape Standard	13801	
<i>* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.</i>		
<b>DIE SHIM</b>	CAT. NO.	PRICE
0.25mm      pack of 15	6815	
0.76mm      pack of 15	6816	

INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX 'A' DIMENSION	MAX. MATERIAL THICKNESS
<ul style="list-style-type: none"> <li>Machine Make</li> <li>Machine Model</li> <li>Machine Serial Number</li> </ul>	Available for the following machine makes: Prima Power Dalcos LVD Strippit Nisshimbo Wiedemann Goiti Danobat Rainer	16 mm as standard  Shapes: Up to 16 mm Rounds: Up to 14 mm Contact sales desk for more details	Tons Max [62 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 



UPPER & LOWER ASSEMBLY		CAT. NO.	PRICE
<b>MT8i</b>		Call Sales Desk	
<i>Tool kit with punch drivers included</i>			
PUNCH		CAT. NO.	PRICE
Round		6835	
Shape		6836	
Optima® Coating		-	
STRIPPER		CAT. NO.	PRICE
Round		474	
Shape		473	
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		6177	
Round Standard		6164	
Shape Slug Hugger®*2*		6889	
Shape Standard		6957	
<i>* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.</i>			
DIE SHIM		CAT. NO.	PRICE
0.25mm	pack of 15	6815	
0.76mm	pack of 15	6816	



INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX 'A' DIMENSION	MAX. MATERIAL THICKNESS
<ul style="list-style-type: none"> <li>Machine Make</li> <li>Machine Model</li> <li>Machine Serial Number</li> </ul>	Available for the following machine makes: Prima Power Dalcos LVD Strippit Nisshimbo Wiedemann Goiti Danobat Rainer	15.88 mm 	7 Tons Max [62 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 

UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
<b>MT20i</b>	Call Sales Desk	
<b>PUNCH</b>	CAT. NO.	PRICE
Round	6838	
Shape	6839	
Optima® Coating	-	
<b>STRIPPER</b>	CAT. NO.	PRICE
Round	6829	
Shape	35079	
<b>DIE</b>	CAT. NO.	PRICE
Round Slug Hugger®*	6185	
Round Standard	6081	
Shape Slug Hugger® 2*	6885	
Shape Standard	6958	

\* Slug Hugger dies must be ordered punch size plus

clearance:

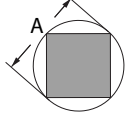
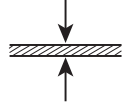
2.49 mm minimum dia. on rounds

1.52 mm minimum width on shapes

0.15 mm minimum

## MT20i Assembly

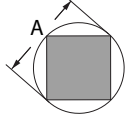


INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX 'A' DIMENSION	MAX. MATERIAL THICKNESS
<ul style="list-style-type: none"> <li>Machine Make</li> <li>Machine Model</li> <li>Machine Serial Number</li> </ul>	Available for the following machine makes: Prima Power LVD Strippit Goiti Danobat Rainer JFY	8 mm 	5 mm mild steel and Aluminum 2 mm stainless steel 

## MT7A Assembly

UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
Full Set - MT Upper and Lower	13637	Call Sales Desk
Upper Assembly	13638	Call Sales Desk
Lower Assembly	13639	Call Sales Desk



INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX 'A' DIMENSION	NOTES
<ul style="list-style-type: none"> <li>Machine Make</li> <li>Machine Model</li> <li>Machine Serial Number</li> </ul>	Available for the following machine makes: Amada	12.7 mm 	This Multi-Tool accepts all styles of 'A' station punch and guide assemblies and dies.

## MT3iR

PUNCH	CAT. NO.	PRICE
Round Punch & Driver Assembly	35306	
Round Punch	2398	
Shape Punch	2399	
Optima® Coating	-	
STRIPPER	CAT. NO.	PRICE
Round	77232	
Shape	77233	
DIE	CAT. NO.	PRICE
Round Slug Hugger® 2*	77236	
Round Neg/Pos	77234	
Shape Slug Hugger® 2*	77237	
Shape Standard	10612	

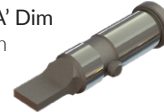
Max 'A' Dim  
31.75 mm



## Prima/Pass - MTPi10-16/MTP8-16

PUNCH	CAT. NO.	PRICE
Round Punch	7125	
Shape	7126	
Optima® Coating	-	
STRIPPER	CAT. NO.	PRICE
Round	6073	
Shape	6074	
DIE	CAT. NO.	PRICE
Round Slug Hugger®	6187	
Round Standard	6077	
Shape Slug Hugger® 2*	6883	
Shape Standard	6955	

Max 'A' Dim  
16 mm



## MT 6-16 & MT 10-16

PUNCH	CAT. NO.	PRICE
Round Punch	6075	
Shape	6076	
Optima® Coating	-	
STRIPPER	CAT. NO.	PRICE
Round	6073	
Shape	6074	
DIE	CAT. NO.	PRICE
Round Slug Hugger® *	6187	
Round Standard	6077	
Shape Slug Hugger® 2*	6883	
Shape Standard	6955	

Max 'A' Dim  
16 mm



## MT 12-8

PUNCH	CAT. NO.	PRICE
Round Punch	6080	
Optima® Coating	-	
STRIPPER	CAT. NO.	PRICE
Round	6079	
DIE	CAT. NO.	PRICE
Round Slug Hugger® *	6185	
Round Standard	6081	

Max 'A' Dim  
8 mm



## MT 6-24 & MT 8-24

PUNCH	CAT. NO.	PRICE
Round Punch	6150	
Shape	6153	
Optima® Coating	-	
STRIPPER	CAT. NO.	PRICE
Round	6151	
Shape (19.05 mm Max 'A' dim)	6827	
Shape (19.05 mm 'A' dim)	6154	
DIE	CAT. NO.	PRICE
Round Slug Hugger® *	6189	
Round Standard	6152	
Shape Slug Hugger® 2*	6887	
Shape Standard	6954	

Max 'A' Dim  
24 mm



## MT 20-8 & MT 24-8

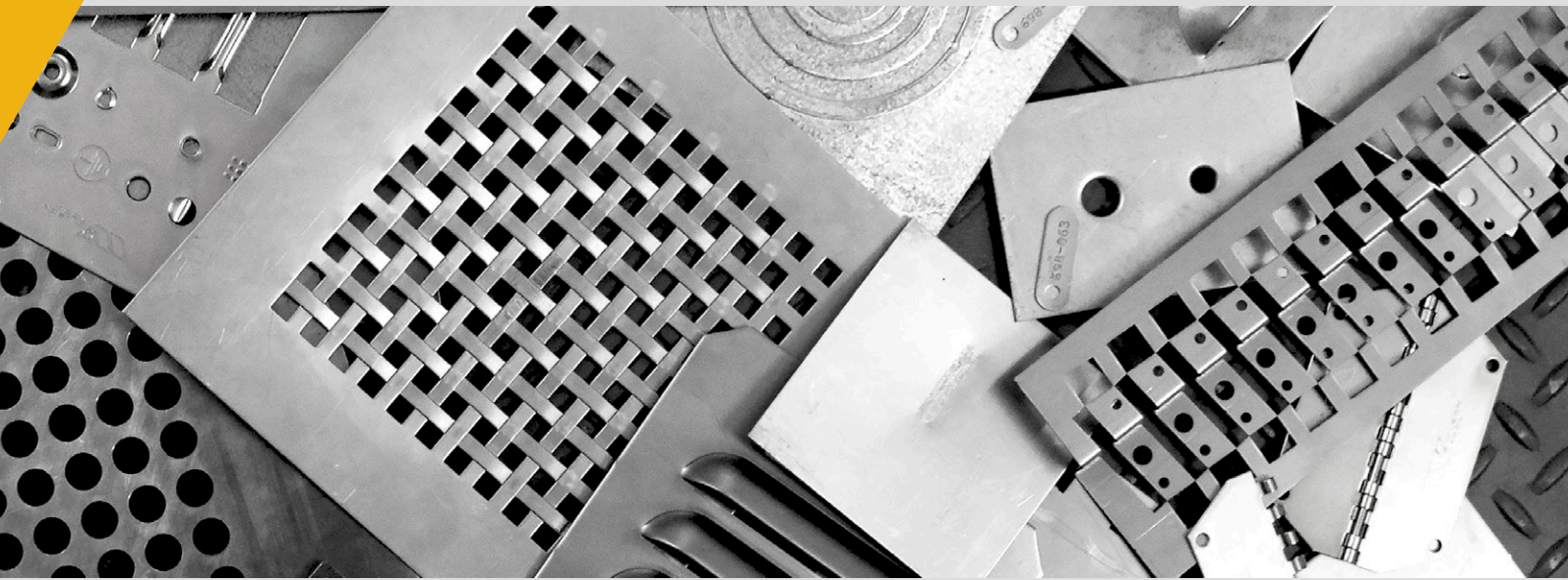
PUNCH	CAT. NO.	PRICE
Round Punch	6080	
Shape	6147	
Optima® Coating	-	
STRIPPER	CAT. NO.	PRICE
Round	6146	
Shape	6148	
DIE	CAT. NO.	PRICE
Round Slug Hugger® *	6185	
Round Standard	6081	
Shape Slug Hugger® 2*	6885	
Shape Standard	6958	

Max 'A' Dim  
8 mm



\*Slug Hugger dies must be ordered punch size plus clearance.

## SPECIALS



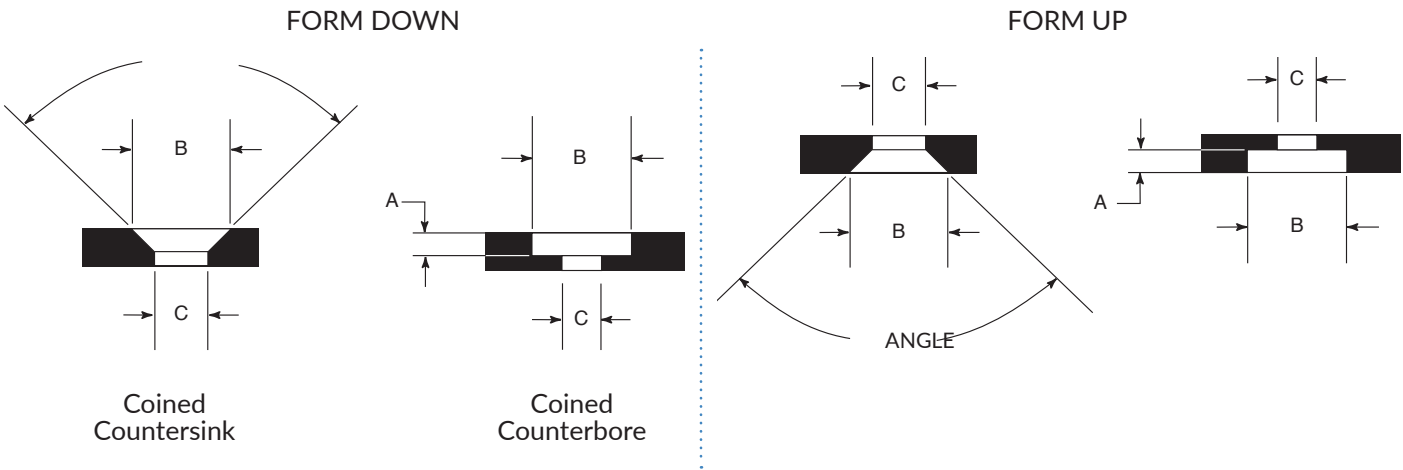
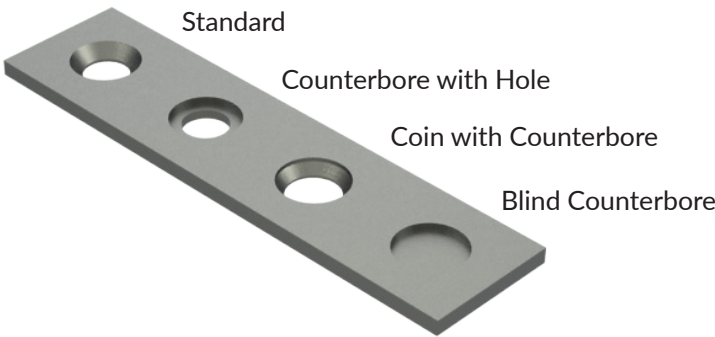
Incorporating forming applications into your fabrication can add value to your processes while reducing cost by boosting efficiencies and eliminating secondary operations.

No matter how unique your requirement, Wilson Tool works with you to design and manufacture punch press tooling that meet the needs of your most demanding application. Our highly skilled engineers and toolmakers combine unmatched experience with specialized manufacturing systems to produce products that meet the challenges of your most demanding applications.

Wilson forming tools are manufactured with high grade materials to maximize tool life and machine up time. They are engineered with features like positive stopping to ensure you consistently get a form to your specifications on every hit. And when working with challenging material Wilson offers solutions like coatings to improve stripping and reduce sheet marking. Each special tool is tested using our in-house punch presses, and a sample is included with every forming special tool we ship. Wilson special tools are manufactured to our superior quality standards and tolerances and with the shortest lead times available.

### **YOU NEED BETTER SOLUTIONS, FASTER!**

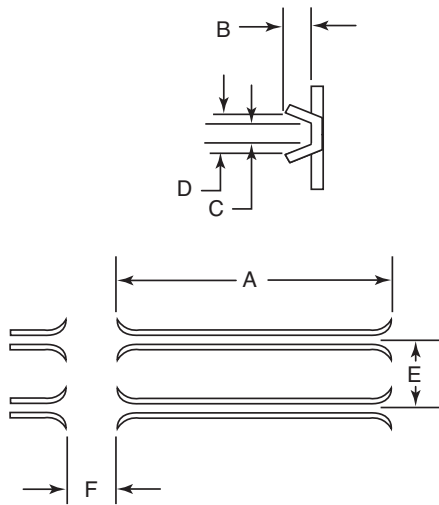
Wilson approaches every special tooling request with a “never say no” attitude. And with the fastest lead times in the industry, your special tooling will arrive when you need it.



Estimated pre-punch formula:  
 $B - [(B - C) \times .75] = \text{Pre-punch}$

AVAILABLE IN FOLLOWING STATIONS: **A B C D E**

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Coining tools are used for forming countersinks and counter bores for screws or to deburr the edge of a hole.	<ul style="list-style-type: none"><li>• Coining on the punch press eliminates costs and time when compared to a secondary operation of machining countersinks.</li><li>• Interchangeable inserts for form down countersinks allow you to easily change coin sizes and reduce tooling costs.</li><li>• Form up coin dies are self-stripping.</li><li>• Multiple coating options available to aid in stripping</li></ul>	<ul style="list-style-type: none"><li>• Machine model</li><li>• Material thickness and type</li><li>• Angle, coin diameter (B), thru-hole size with or without pilot (C).</li><li>• Screw size and type</li><li>• Form-up or form-down</li></ul>



Standard



Wrap Around

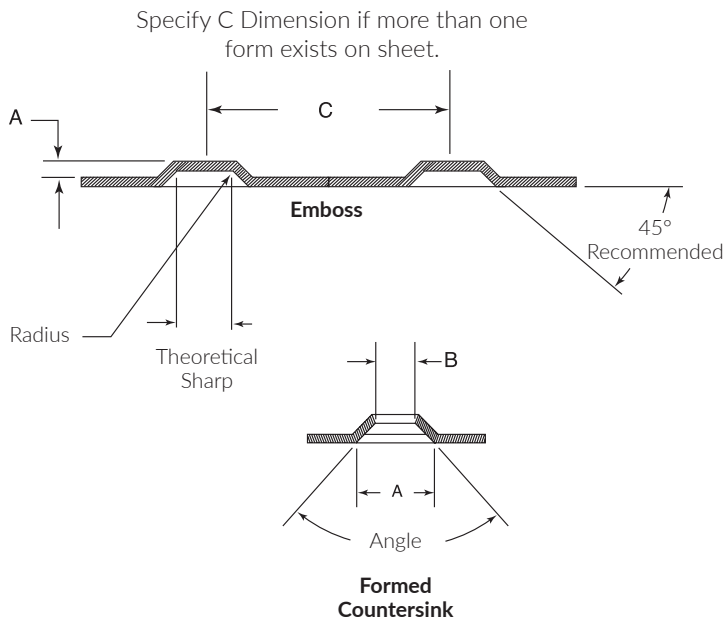
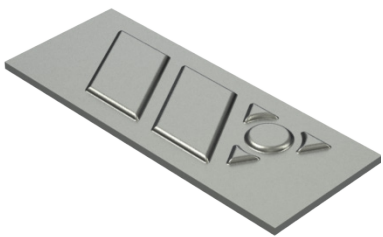
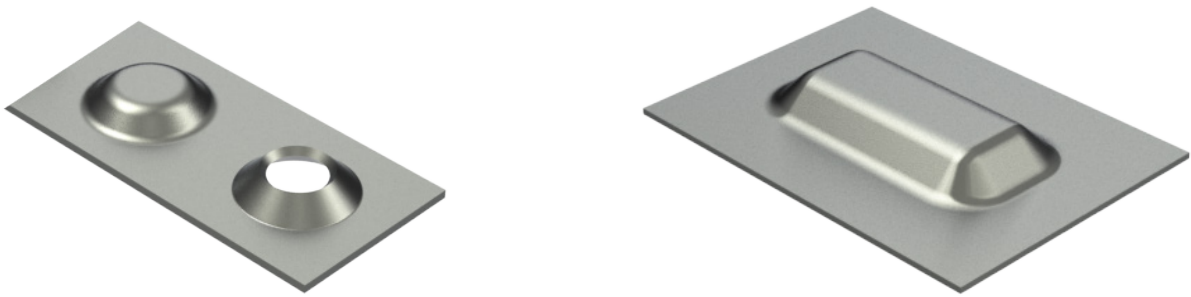


Closed End

AVAILABLE IN FOLLOWING STATIONS:

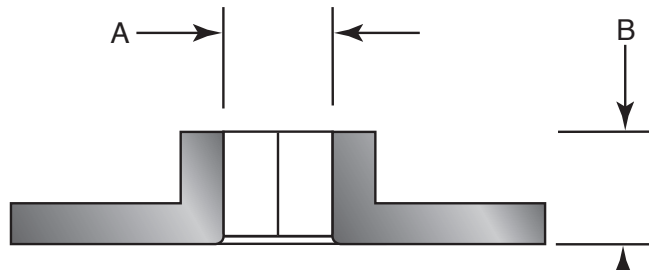
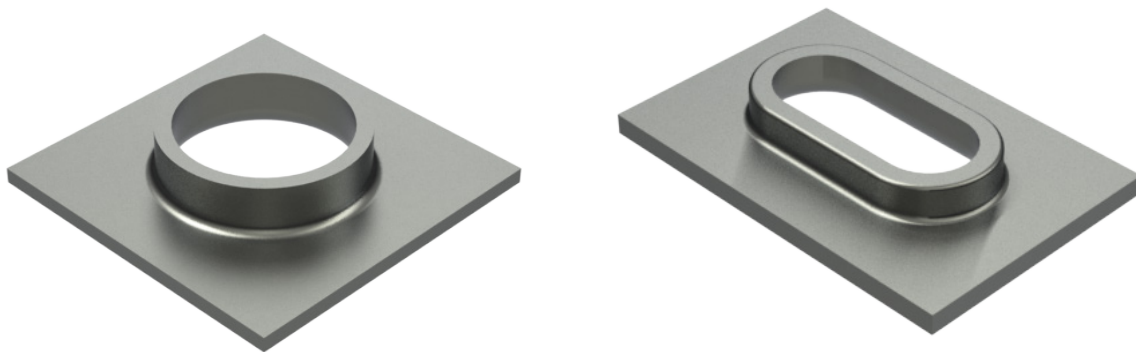


APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>A card guide is used for retaining printed circuit boards that require standard lead-in or special lead-in shapes.</p> <p>Wilson Tool will develop correct web of material to be formed on all card guides and the pre-punch shape and size on special lead-in card guides.</p>	<ul style="list-style-type: none"> <li>• The replaceable insert design allows for lower costs and conversion to different size card guides.</li> <li>• Fast and simple length adjustment</li> <li>• Special lead-ins are available</li> <li>• Built in stripping for best results</li> <li>• Tooling is ABS/WLS capable</li> <li>• Multiple coating options available to aid in stripping</li> </ul>	<ul style="list-style-type: none"> <li>• Machine model</li> <li>• Material thickness and type</li> <li>• Dimensional drawing or electronic file - centre-to-centre location and narrowest pre-punch.</li> <li>• Pre-punch shape rectangle, obround, or rectangle with radius corners.</li> </ul>



AVAILABLE IN FOLLOWING STATIONS:    A B C D E

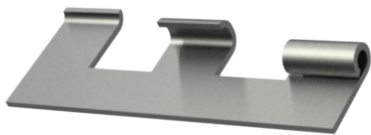
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Embosses, dimples and forming tool are typically used to create stand-offs, spacers, countersinks, locks for nuts, embossed logos.	<ul style="list-style-type: none"><li>• All tools are made to achieve a consistent high quality form.</li><li>• Form up designs are self-stripping.</li><li>• A and B station embosses are full body designs to give maximum bearing area to sheet.</li><li>• Large station tools are a punch, stripper, and die design that will fit your existing holder assembly.</li><li>• Multiple coating options available to aid in stripping.</li></ul>	<ul style="list-style-type: none"><li>• Material thickness and type</li><li>• Machine model</li><li>• Dimensional drawing or electronic file</li><li>• Form-up or form-down</li><li>• Style of large station guide assembly</li></ul>



AVAILABLE IN FOLLOWING STATIONS:



APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>Extrusions are used in a broad spectrum of applications:</p> <ul style="list-style-type: none"> <li>• Self-tapping screws</li> <li>• Cooling tube holders</li> <li>• Air flow applications</li> <li>• Tread plates</li> </ul>	<ul style="list-style-type: none"> <li>• B station extrusions are an insert style for fast and economical replacement.</li> <li>• Form-down extrusions are designed to be self-stripping, providing consistent and trouble-free operation.</li> <li>• The large station universal holder provides cost savings and flexibility. Purchase only a punch tip, ejector and die assembly to change size.</li> <li>• The large station holder is ABS/WLS capable.</li> <li>• Multiple coating options available to aid in stripping.</li> </ul>	<ul style="list-style-type: none"> <li>• Machine model</li> <li>• Material thickness and type</li> <li>• I.D. and height or screw size and type</li> <li>• Tolerance of I.D.</li> <li>• Form-up or form-down</li> <li>• Specify centre-to-centre if more than one extrusion exists on the sheet</li> </ul>



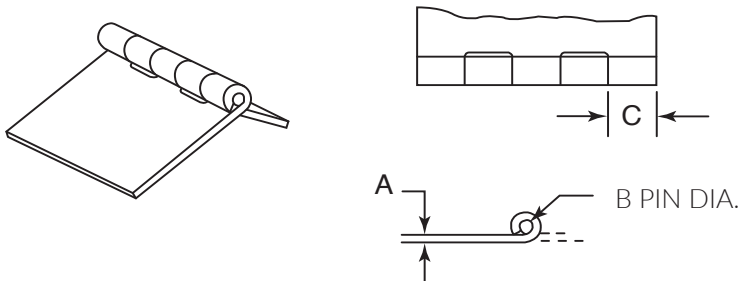
Offset Fully Curled Hinge



Standard Fully Curled Hinge



One-Hit Half Knuckle Hinge

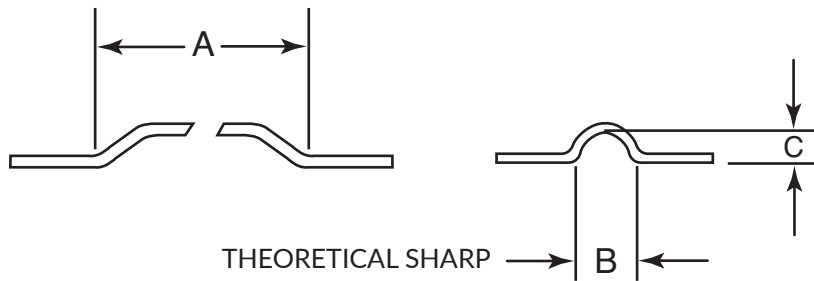
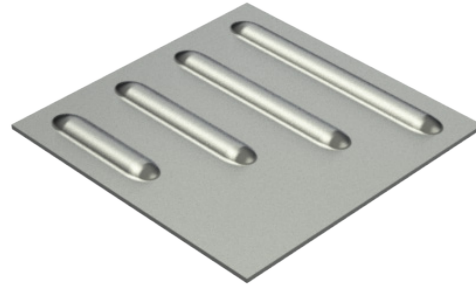
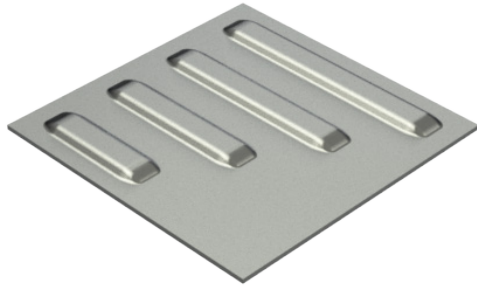


AVAILABLE IN FOLLOWING STATIONS:



See this tool in action on the Wilson Tool YouTube Channel

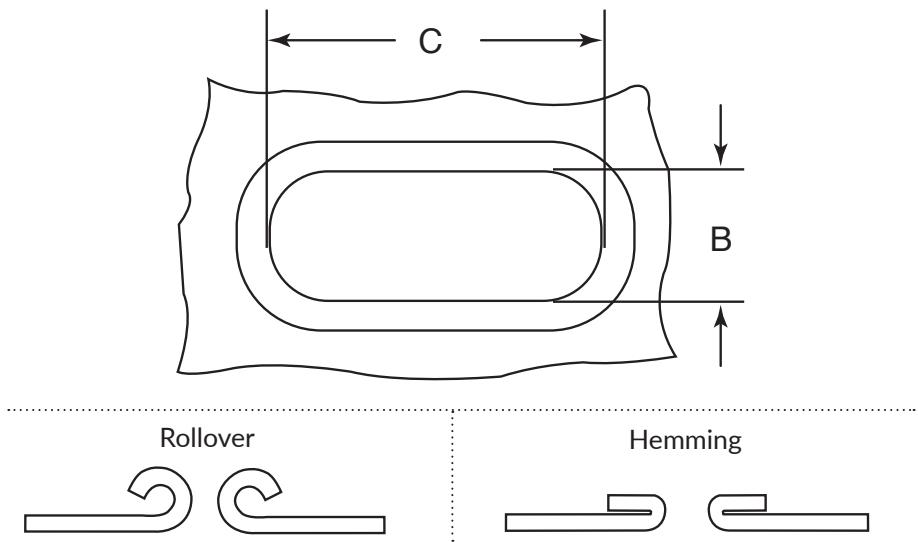
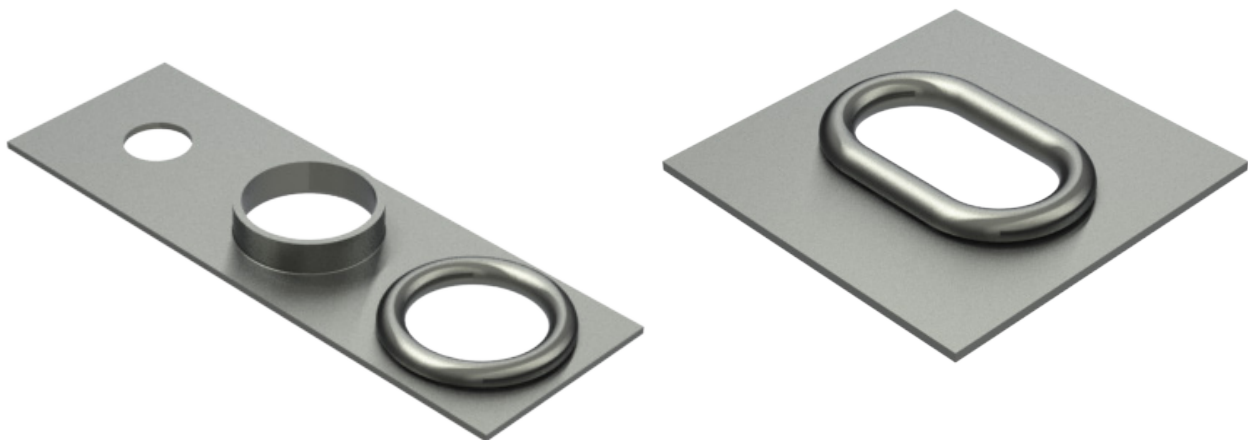
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Integrating a formed hinge on the edge of the sheet in your turret machine eliminates the need for costly hardware and a secondary operation to weld or fasten them.	<ul style="list-style-type: none"><li>Wilson Tool's one-hit hinge tool is achieved with 1 set of tools.</li><li>Standard hinge is achieved with 2 sets of tools.</li><li>Offset hinge requires 3 sets of tools.</li></ul>	<ul style="list-style-type: none"><li>Machine model</li><li>Material thickness (A) and type</li><li>Dimensional drawing or electronic file - inside diameter or pin size (B)</li><li>Knuckle size (C)</li></ul>



AVAILABLE IN FOLLOWING STATIONS:



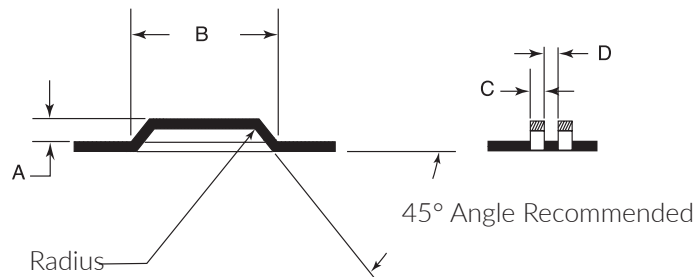
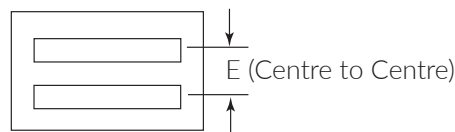
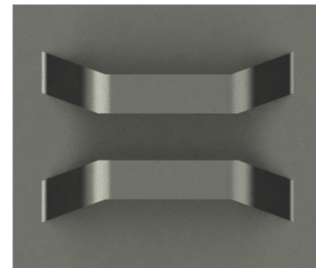
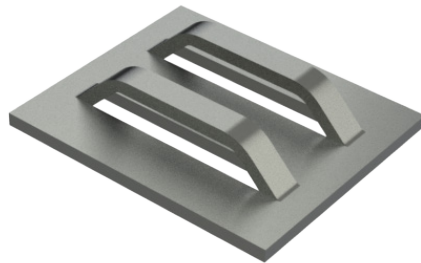
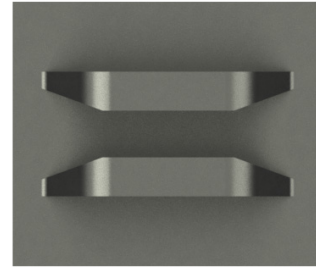
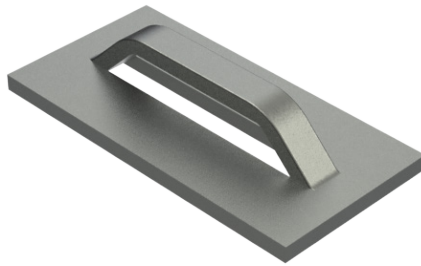
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>A progressive rib produces stiffening ribs, programmable to any length.</p> <p>Rounded or flat top ribs are available. For best results, inside radius should be equal to or greater than the height.</p> <p>Run in nibbling mode: recommended (incremental moves should be equal to the material thickness or less).</p>	<ul style="list-style-type: none"> <li>The large station universal holder provides fast and easy length adjustments, cost savings and flexibility: <ul style="list-style-type: none"> <li>Purchase a punch tip and die to change size</li> <li>The same upper holder can be used for electrical knockouts, extrusions, and lance and forms.</li> </ul> </li> <li>When changing material thicknesses, only one component is required.</li> <li>The large station holder is ABS/WLS capable.</li> </ul>	<ul style="list-style-type: none"> <li>Machine model</li> <li>Material thickness and type</li> <li>Dimensional drawing or electronic file</li> <li>Specify centre-to-centre if more than one form exists on the sheet</li> </ul>



AVAILABLE IN FOLLOWING STATIONS:



APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>Rollover and hemming tools can be used in many applications such as hand holds, wire feeds and grommets.</p> <ul style="list-style-type: none"><li>• Rollover is achieved in three operations: 1. Pre-punch (developed by Wilson Tool free of charge) 2. Form-up extrusion 3. Rollover</li><li>• Hemming is achieved in three operations: 1. Pre-punch (developed by Wilson Tool free of charge) 2. Form-up extrusion 3. Flare &amp; Flatten.</li></ul>	<ul style="list-style-type: none"><li>• Reduces costly secondary operations and handling.</li><li>• Designed and manufactured to produce consistent results.</li><li>• Multiple coating options available to extend tool life.</li></ul>	<ul style="list-style-type: none"><li>• Machine model</li><li>• Material thickness and type</li><li>• Diameter or length and width of opening (C, B)</li><li>• Tolerance of opening</li><li>• What type of application (hand hold, wire feed, etc.)</li><li>• Style of guide assembly</li></ul>

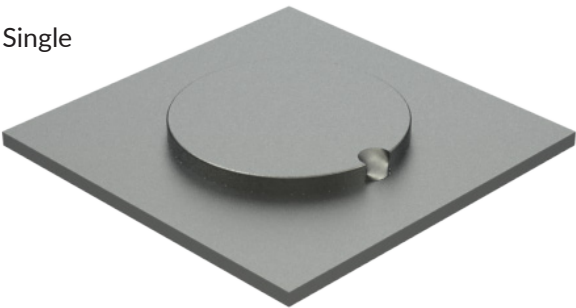


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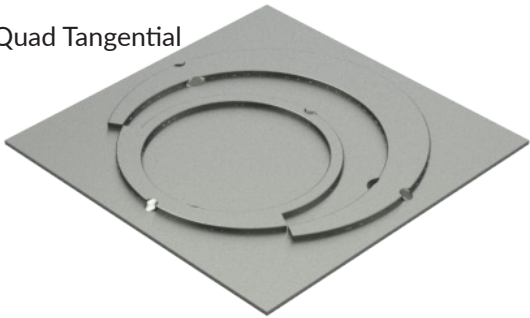


APPLICATION	ADVANTAGES	INFORMATION NEEDED
Bridge style lance and forms can be used for shear stops, locators, card guides, dividers, ventilation and wire tie downs.	<ul style="list-style-type: none"> <li>The Wilson design creates a positive form ensuring a high quality, consistent part.</li> <li>Small and large station holders provide both cost savings and flexibility: <ul style="list-style-type: none"> <li>Purchase only a punch tip, ejector and die assembly to change size.</li> <li>Use the same upper holder for other applications.</li> </ul> </li> <li>Special lead-ins available.</li> <li>Form-down bridges are made self-stripping.</li> <li>The large station holder is ABS/WLS ready.</li> <li>Multiple coating options available to aid in stripping.</li> </ul>	<ul style="list-style-type: none"> <li>Machine model</li> <li>Material thickness and type</li> <li>Dimensional drawing or electronic file for relief</li> <li>Top, side and end views</li> <li>Form-up or form-down</li> </ul>

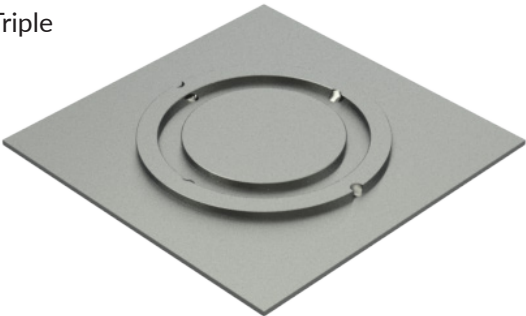
Single



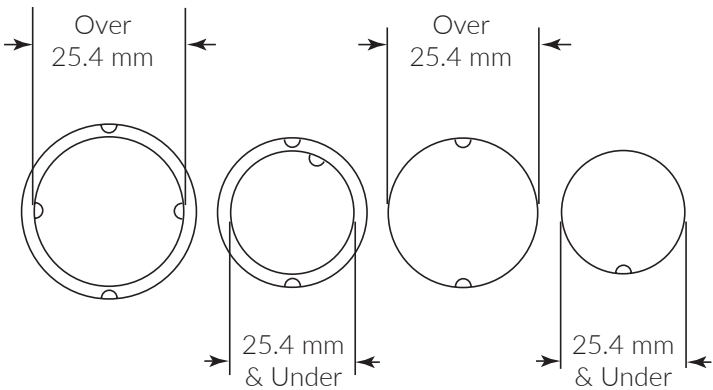
Quad Tangential



Triple



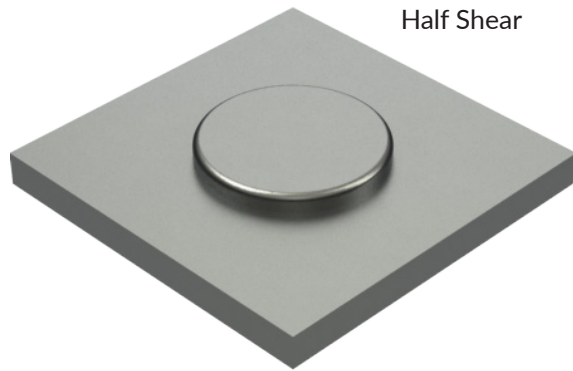
Standard Wilson Tool Tab Location



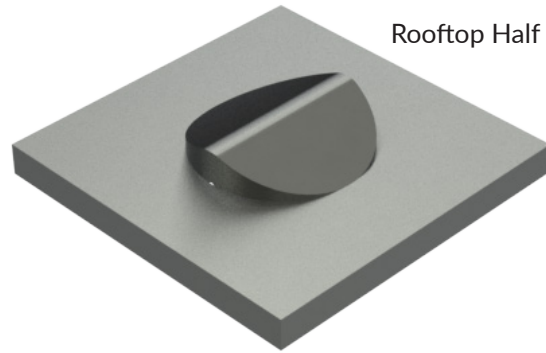
AVAILABLE IN FOLLOWING STATIONS:



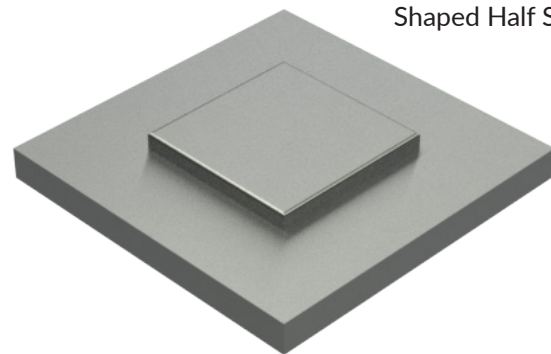
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>Electrical knockouts (EKOs) are used to create connection points for cable pathways. Available for:</p> <ul style="list-style-type: none"><li>• Single</li><li>• Double (concentric or tangential)</li><li>• Triple (concentric or tangential)</li><li>• Quad (concentric or tangential)</li><li>• Standard and special shapes</li></ul> <p>Single or multiple tools can be used to produce the desired number of EKOs for your requirements.</p>	<ul style="list-style-type: none"><li>• Wilson Tool's EKO design has full stripping in both upper and lower units, which produce good quality, reliable knockouts every time.</li><li>• The universal holder provides both cost savings and flexibility.<ul style="list-style-type: none"><li>- Purchase only a punch tip, ejector and die assembly to change size.</li><li>- Use the same upper holder for other applications.</li></ul></li><li>• The large station holder is ABS capable.</li><li>• Multiple coating options available for extending tool life.</li></ul>	<ul style="list-style-type: none"><li>• Machine model</li><li>• Material thickness, type or range</li><li>• Actual diameter</li><li>• Specify centre-to-centre if more than one knockout exists on the sheet.</li><li>• Form-up or form-down</li></ul>



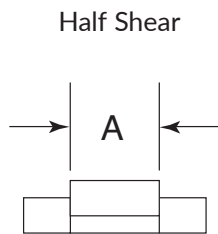
Half Shear



Rooftop Half Shear

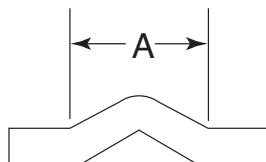
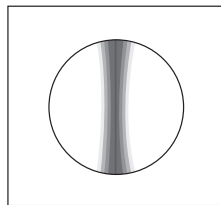


Shaped Half Shear



Half Shear

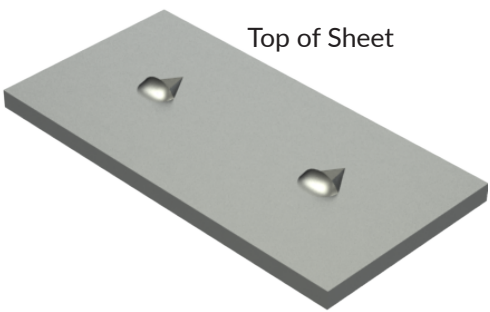
Rooftop Half Shear



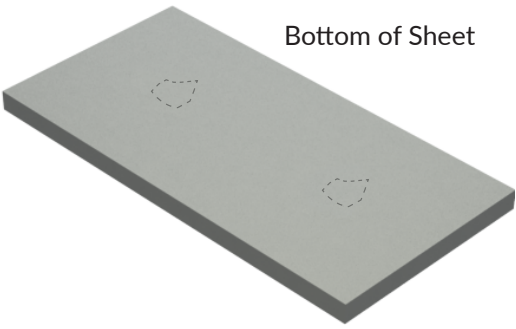
AVAILABLE IN FOLLOWING STATIONS:

**A B C D E**

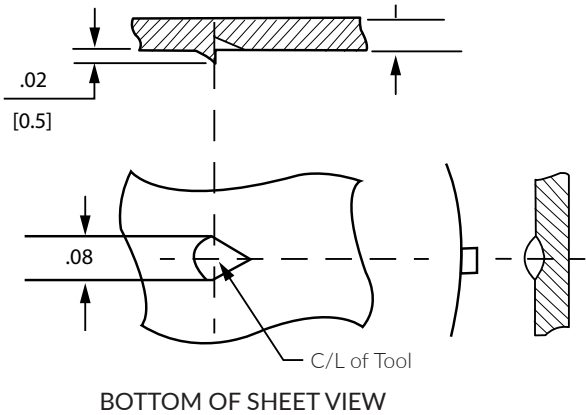
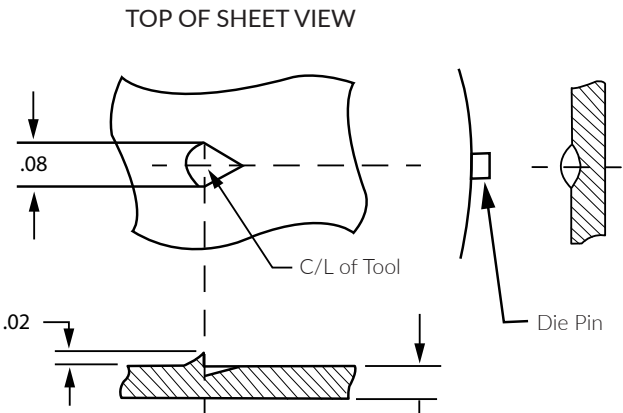
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>The half shear is an easy-to-use tool that allows you to put in shear buttons and spot welding locators to the accuracy of your punch press.</p> <p>Round half shears make excellent locators for angular shearing.</p> <p>Rooftop half shears have approximately a 3 gauge material thickness range.</p>	<ul style="list-style-type: none"> <li>Form-up half shears are available in stock sizes.</li> <li>B station form-up half shears have replaceable inserts up to 9.53mm diameter in lower unit.</li> <li>Rooftop half shears give you greater height protrusion compared to a standard half-shear when using thinner material.</li> <li>Half shears can be used on a 3.17 mm range of material.</li> </ul>	<ul style="list-style-type: none"> <li>Machine model</li> <li>Material thickness and type (or range)</li> <li>Diameter or shape (on top of sheet)</li> <li>Specify centre-to-centre if more than one exists on the sheet.</li> <li>Form-up or form-down</li> </ul>



Top of Sheet



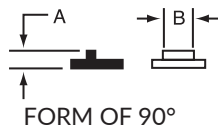
Bottom of Sheet



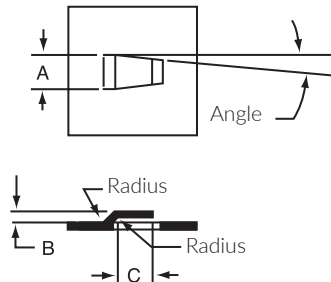
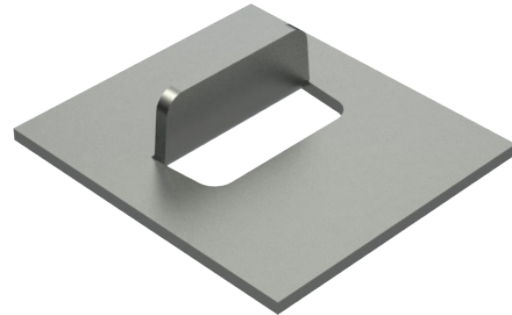
AVAILABLE IN FOLLOWING STATIONS:

- A** **B** **C** **D** **E**

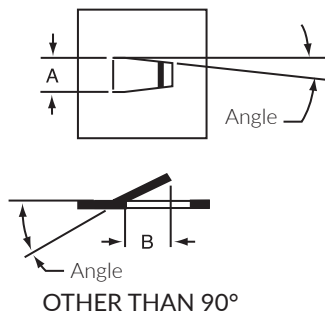
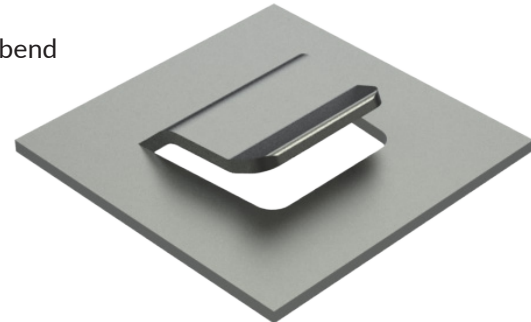
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>The scratch form can be used for spot welding locators, locators for angular shearing and shear stops.</p> <p>Height of the stop is 0.5 mm - 0.8 mm.</p> <p>Tool is designed with relief for 12.7 mm centers.</p>	<ul style="list-style-type: none"><li>Punches a range of material from 0.91 mm to 3.18 mm</li><li>Can be used in an Auto Index station</li></ul>	<ul style="list-style-type: none"><li>Machine model</li><li>Material thickness and type</li><li>Specify top or bottom of the sheet scratch</li></ul>



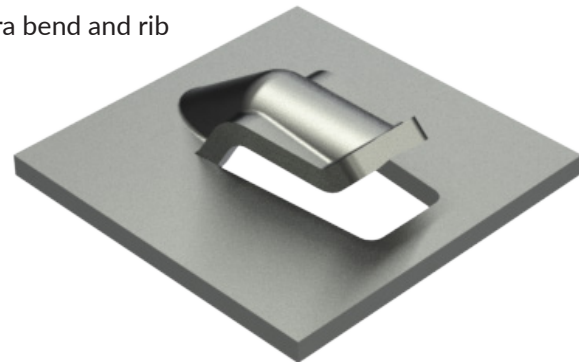
90° Form



With extra bend



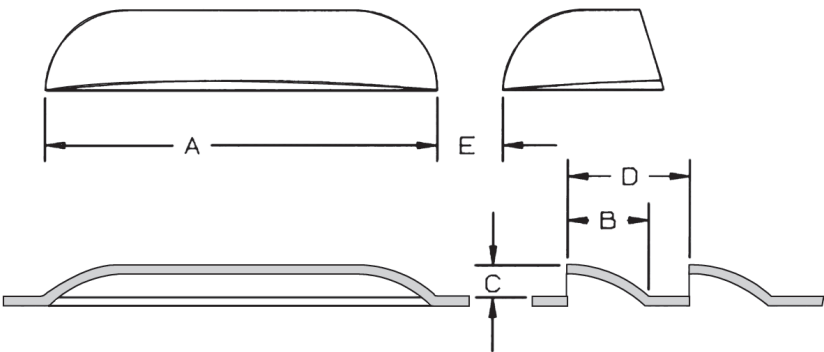
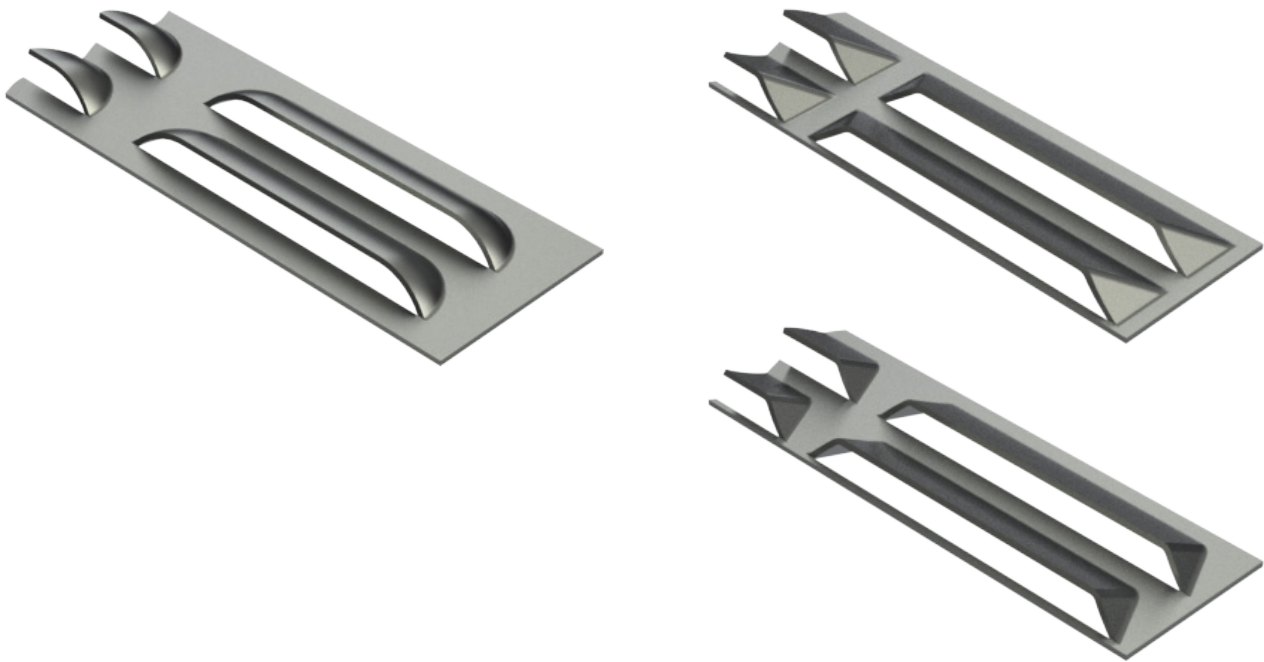
With extra bend and rib



AVAILABLE IN FOLLOWING STATIONS:

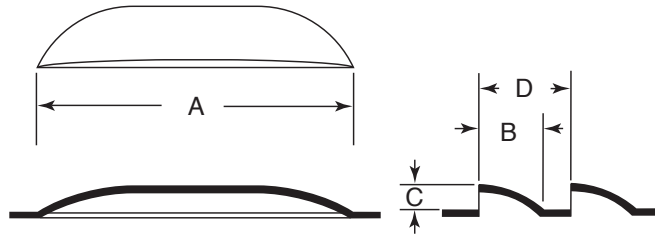
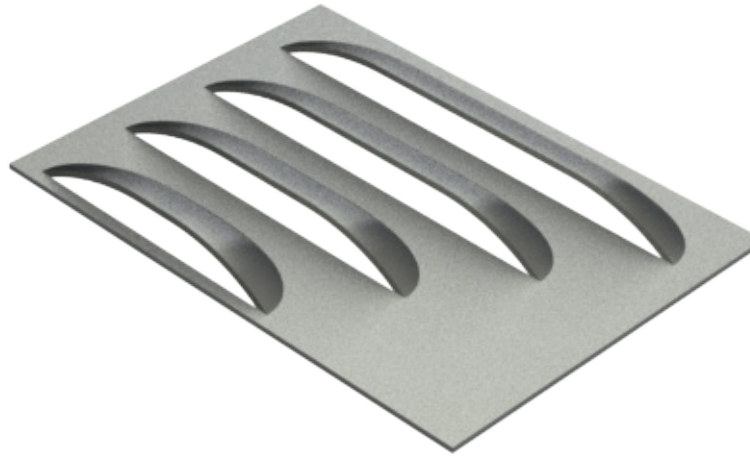


APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>Lance and forms are used for a variety of applications, including:</p> <ul style="list-style-type: none"> <li>Air flow</li> <li>Decoration</li> <li>Location markers</li> <li>Shear tabs</li> <li>Wire harnesses</li> <li>Clip attachments.</li> </ul>	<ul style="list-style-type: none"> <li>High-quality lance and forms are assured with Wilson's positive form and self-stripping design.</li> <li>Lance and form other than 90° holder provides both cost savings and flexibility; <ul style="list-style-type: none"> <li>Purchase only a punch tip, ejector and die assembly to change size;</li> <li>Use the same upper holder for other applications.</li> </ul> </li> <li>The large station holder is ABS/WLS capable.</li> <li>Multiple coating options available to extend tool life.</li> </ul>	<ul style="list-style-type: none"> <li>Machine model</li> <li>Material thickness and type</li> <li>Dimensional drawing or electronic file and pattern if relief is required.</li> <li>Style of large station guide assembly - for lance and forms of 90° only (e.g. series 80/90, Old Style, etc.)</li> <li>A taper of 5° per side should be added (if possible) to aid in stripping large station lance and forms.</li> <li>Form-up or Form-down</li> </ul>



AVAILABLE IN FOLLOWING STATIONS: **A B C D E**

APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>Louvres are used in a variety of industry applications that require airflow; electrical enclosures, HVAC, and food service equipment.</p> <p>Single hit louvres can be placed back to back (no web between louvres.)</p>	<ul style="list-style-type: none"><li>• Lower costs with replaceable inserts that can be converted to different size louvres.</li><li>• Stock sizes available.</li><li>• The large station universal holders provide both cost savings and flexibility:<ul style="list-style-type: none"><li>- Purchase only pocket, cutting, and forming inserts to change size.</li><li>- Use the upper holder for other applications</li></ul></li><li>• Keying at 0°, 90°, 180°, and 270° is standard</li><li>• The large station holder is ABS/WLS ready.</li><li>• Multiple coating options available to extend tool life.</li></ul>	<ul style="list-style-type: none"><li>• Machine model</li><li>• Material thickness and type</li><li>• Dimensional drawing or electronic file</li></ul>

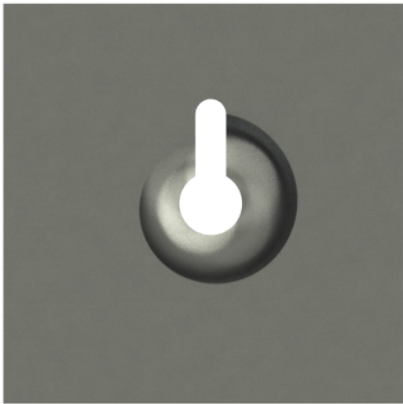
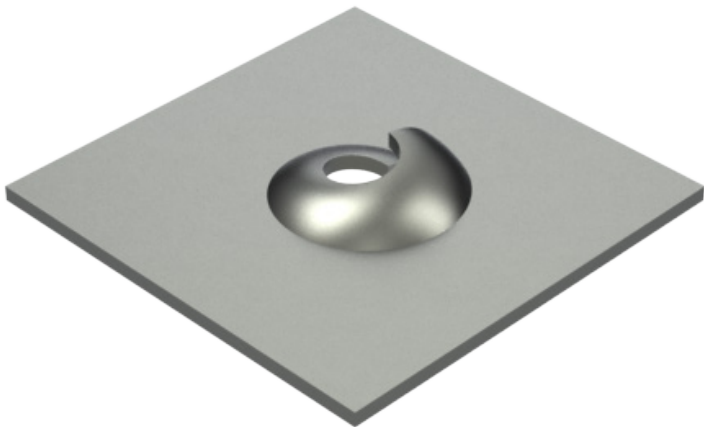


"A" dimension is programmable to any length.  
Form length on first full hit is approximately 57mm long.

AVAILABLE IN FOLLOWING STATIONS:



APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>Progressive louvres are used in a variety of industry applications that require airflow; Electrical enclosures, HVAC, and food service equipment.</p> <p>The progressive design produces various length louvres to give flexibility using one tool.</p> <p>Run in nibbling mode (recommended incremental moves equal to the material thickness or less).</p> <p>A Do's and Don'ts information sheet is provided for ease of programming.</p>	<ul style="list-style-type: none"> <li>• Lower costs with replaceable inserts that can be converted to different size louvres.</li> <li>• Stock sizes available.</li> <li>• The large station universal holders provide both cost savings and flexibility: <ul style="list-style-type: none"> <li>- Purchase only pocket, cutting, and forming inserts to change size.</li> <li>- Purchase only pocket insert when changing material</li> </ul> </li> <li>• Use the upper holder for other applications.</li> <li>• Keying at 0°, 90°, 180°, and 270° is standard.</li> <li>• The large station holder has in-built lubrication ports.</li> <li>• Multiple coating options available to extend tool life.</li> </ul>	<ul style="list-style-type: none"> <li>• Machine model</li> <li>• Material thickness and type</li> <li>• B, C and D dimensions.</li> </ul>

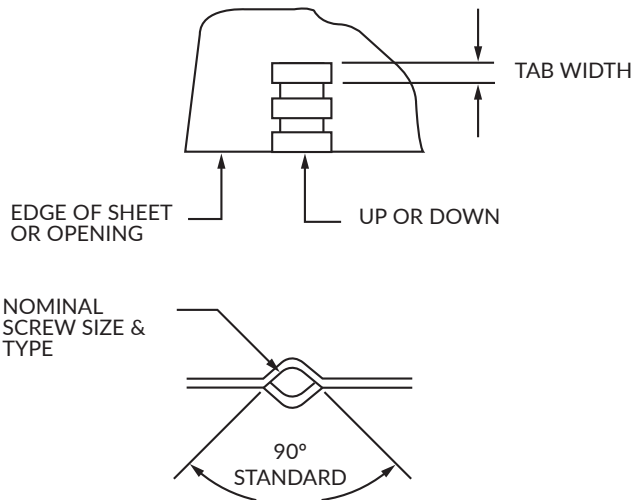


Imperial Sized Screws	Metric Sized Screws
6-18	2.9 x 1
6-20	3.5 x 1.3
6-32	4.2 x 1.4
7-16	4.8 x 1.6
8-15	5.5 x 1.8
8-32	6.3 x 1.8
10-12	8 x 2.1
10-16	9.5 x 2.1
10-24	M4
10-32	M5
12-11	M6
12-14	M8
14-10	M10
20-9	M12
1/4-14	M14
1/4-20	M16
5/16-12	M20
5/16-18	M24

Custom Sizes Available

AVAILABLE IN FOLLOWING STATIONS: A B C D E

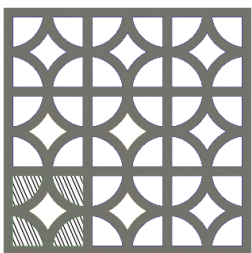
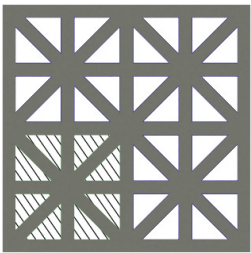
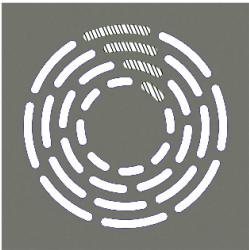
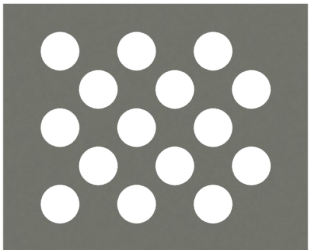
APPLICATION	ADVANTAGES	INFORMATION NEEDED
A thread form is a great solution for eliminating secondary operations and supplemental hardware where a threaded hole is required.	<ul style="list-style-type: none"><li>• Reduces costly hardware and assembly time.</li><li>• Coining is included in the design of the tool when recommended material thickness is exceeded.</li><li>• Pre-punch information is provided.</li><li>• Multiple coating options available to extend tool life.</li></ul>	<ul style="list-style-type: none"><li>• Machine model</li><li>• Material thickness and type</li><li>• Thread size and type</li></ul>



AVAILABLE IN FOLLOWING STATIONS:



APPLICATION	ADVANTAGES	INFORMATION NEEDED
A thread loop is a great solution for eliminating secondary operations and supplemental hardware when a threaded hole is required.	<ul style="list-style-type: none"> <li>The Wilson design gives a positive form, which ensures a high quality part.</li> <li>Reduces costly hardware and assembly time.</li> <li>Multiple coating options available to extend tool life.</li> </ul>	<ul style="list-style-type: none"> <li>Machine model</li> <li>Material thickness and type</li> <li>Number of thread loop tabs</li> <li>Width of tab</li> <li>Direction of first tab</li> <li>Diameter of opening or screw size and type</li> <li>Dimensional drawing or electronic file</li> </ul>



AVAILABLE IN FOLLOWING STATIONS: **A B C D E**

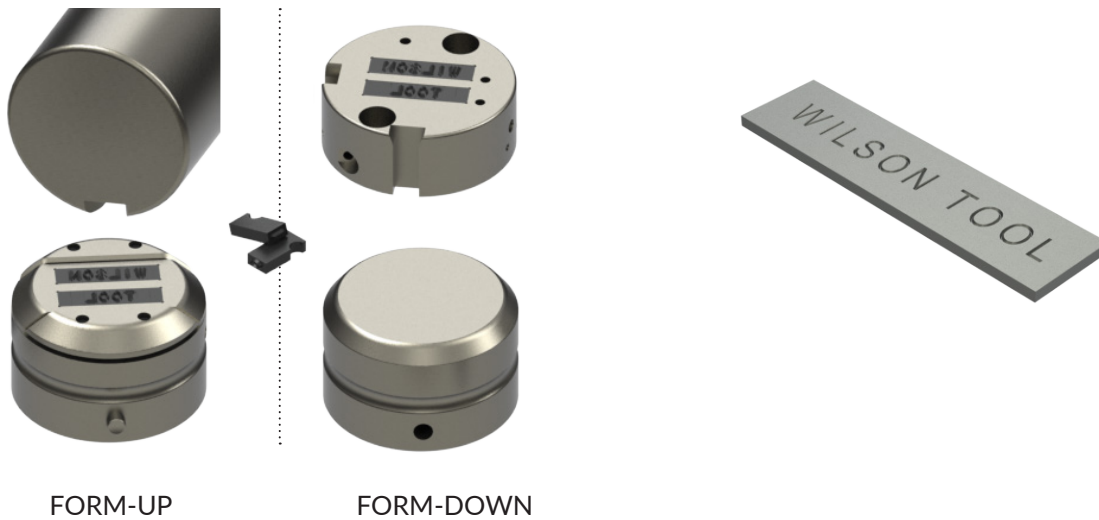
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>The cluster tool is the most cost effective method to manufacture perforated patterns and is commonly used for air ventilation, drains and filters.</p> <p>Cluster piercing is ideal for applications where tight tolerance is required on the hole pattern.</p>	<ul style="list-style-type: none"><li>• Creates maximum number of holes per hit.</li><li>• Saves on machine punching time and costly tool maintenance.</li><li>• Available in any hole size, shape or pattern.</li><li>• Holds tight tolerance from hole to hole.</li><li>• Punch available as solid or replaceable insert style.</li><li>• Wilson Tool's back bending feature on dies can help reduce sheet distortion.</li><li>• Multiple coating options available to extend tool life.</li><li>• Slug Hugger® 2 recommended to eliminate slug pulling.</li></ul>	<ul style="list-style-type: none"><li>• Machine model</li><li>• Material type, thickness or range</li><li>• Number of holes in clusters</li><li>• Straight or staggered pattern</li><li>• Center-to-center dimensions</li><li>• Replaceable or solid design</li><li>• Style of large station guide assembly</li></ul>



AVAILABLE IN FOLLOWING STATIONS:



APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>An ID-Stamp tool is a perfect solution for permanently marking and displaying company names, serial numbers, or part numbers.</p> <p>When used in an Auto Index station you can stamp up to 40 different characters, including numbers, letters, and various symbols.</p> <p>Adjustable for 3 mm material range.</p>	<ul style="list-style-type: none"> <li>Eliminates secondary stamping operations and ensures consistent marking.</li> <li>Reduces the number of tools needed to mark parts.</li> <li>Designed to take the standard 3.18 mm letter stamp character.</li> <li>The large station holder has in-built lubrication ports.</li> <li>Adapters can be used to move B station tools to an Auto Index station.</li> </ul>	<ul style="list-style-type: none"> <li>Machine make and model</li> <li>Material thickness range and type</li> <li>Requires Auto Index</li> <li>Machine may require software upgrade to run these tools</li> </ul>



FORM-UP

FORM-DOWN

FORM-DOWN				
MAXIMUM NUMBER OF CHARACTERS PER ROW FOR SINGLE & DOUBLE ROW STAMP				
SIZE	B STN	C STN	D STN	E STN
1.57 mm	22	24	48	64
2.36 mm	14	16	32	43
3.17 mm	10	12	24	32
4.75 mm	7	8	16	21
6.35 mm	5	6	12	16
9.52 mm*	**3	**4	8	10

Maximum Characters for one or two rows

\* Maximum Characters for one row only

\*\* One row only

FORM-UP								
MAXIMUM NUMBER OF CHARACTERS PER ROW								
SIZE	B STN		C STN		D STN		E STN	
	1 Row	2 Rows	1 Row	2 Rows	1 Row	2 Rows	1 Row	2 Rows
1.57 mm	20	20	31	31	53	53	64	64
2.36 mm	14	14	21	21	35	35	43	43
3.17 mm	10	10	15	15	26	26	32	32
4.75 mm	7	N/A	10	10	17	17	21	21
6.35 mm	5	N/A	8	8	13	13	16	16
9.52 mm*	3	N/A	5	N/A	8	N/A	10	N/A

AVAILABLE IN FOLLOWING STATIONS:



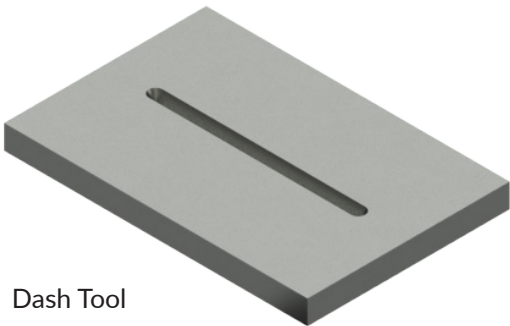
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>A letter stamp is a perfect solution for permanently marking and displaying company names, serial numbers, or part numbers.</p> <p>Replaceable punch tip design allows for versatility as well as quick and easy change out.</p>	<ul style="list-style-type: none"> <li>• Stock sizes available in single and double row.</li> <li>• Reduces the number of tools needed to mark parts.</li> <li>• Eliminates secondary stamping operations.</li> <li>• Adjustable for 3 mm material range.</li> <li>• Interchangeable punch tip design provides cost savings and flexibility to easily change character size by purchasing only a punch tip and characters.</li> <li>• Form-up letter stamp tools are made self-stripping.</li> </ul>	<ul style="list-style-type: none"> <li>• Machine model</li> <li>• Material thickness and type</li> <li>• Size character, number of rows, number of characters per row</li> <li>• Form-up or form-down</li> <li>• Style of large station guide assembly</li> </ul>



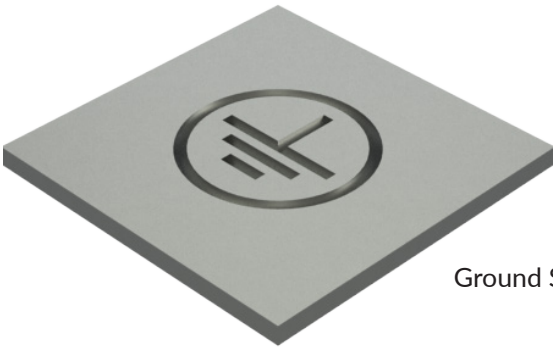
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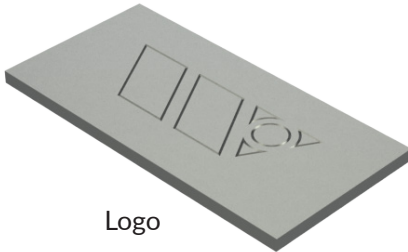
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>Wilson Multi-Scribe is ideal for both sheet scribing and dot-matrix marking on a wide range of materials.</p> <ul style="list-style-type: none"> <li>• Unique designs and logos can be achieved just by programming.</li> <li>• Hydraulic rams produce both “scribe” and “dot-matrix” sheet marking.</li> <li>• Mechanical rams produce “dot-matrix” sheet marking</li> <li>• Works on a wide range of materials.</li> </ul>	<ul style="list-style-type: none"> <li>• Can achieve variable scribe depth</li> <li>• Design allows for consistent mark depth</li> <li>• Long lasting diamond tip</li> <li>• Won't deform the material or mark the underside of the sheet.</li> <li>• Sold as a kit which includes: <ul style="list-style-type: none"> <li>Punch &amp; die assembly</li> <li>Red medium spring, yellow light spring</li> <li>Green heavy spring</li> <li>120° and 150° diamond insert</li> <li>90° carbide insert</li> <li>3 mm hex wrench</li> </ul> </li> <li>• Wilson Multi-Scribe tool comes assembled with 120° diamond and red medium spring.</li> </ul>	<ul style="list-style-type: none"> <li>• Machine model</li> <li>• Material thickness and type</li> </ul>



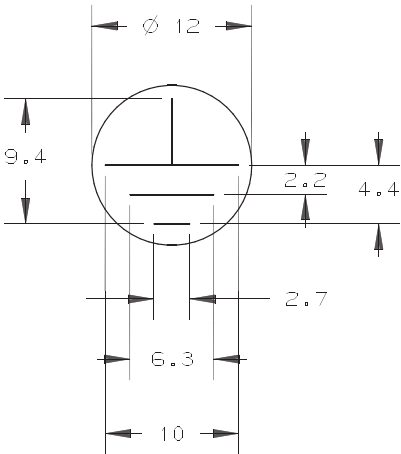
Dash Tool



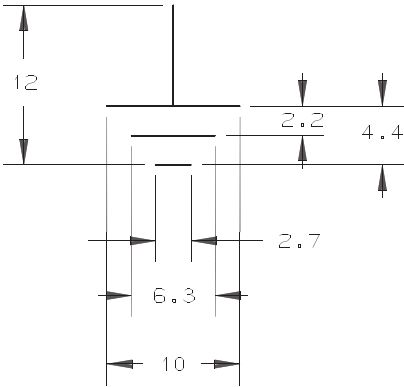
Ground Symbol



Logo



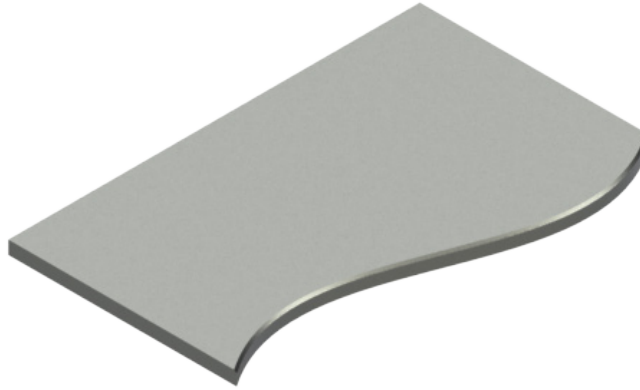
GROUND SYMBOL STOCK DIMENSIONS



AVAILABLE IN FOLLOWING STATIONS:

- A B C D E**

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Stamping the top or bottom of the sheet is the perfect solution for permanently displaying company names, serial numbers, symbols, and product or company logos. Ground symbols, widely used in the electrical industry are available in stock sizes, form-down or form-up. Dash tools can be used to "V" notch the sheet to aid in bending, create numbers and letters, and location marks on a sheet. Dash tools are available in form-down or form-up, in various lengths and can be run progressively.	<ul style="list-style-type: none"><li>• All form-up tools are designed self-stripping to prevent sheet marking and tool wear.</li><li>• Logo stamps and other special stamps can be manufactured easily when an electronic file is provided.</li><li>• When used in the auto index station, dash tools can be used to create numbers or letters.</li><li>• Adjustable for 3 mm material range.</li></ul>	<ul style="list-style-type: none"><li>• Machine model</li><li>• Material thickness and type</li><li>• Length of dash</li><li>• Size of ground symbol (stock or non-stock)</li><li>• Electronic file for logos</li><li>• Form-up or form-down</li><li>• Style of large station guide assembly</li></ul>

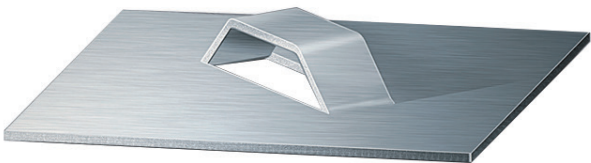
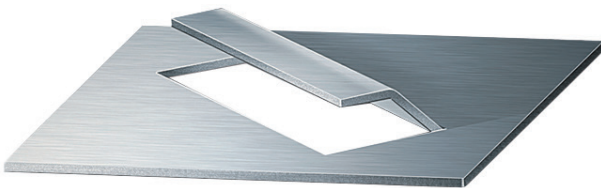
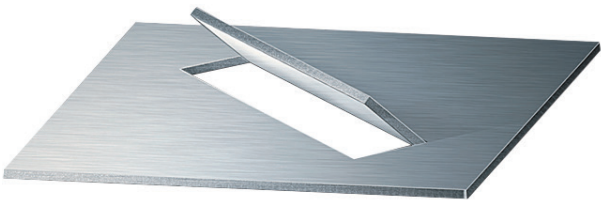


AVAILABLE IN FOLLOWING STATIONS: **A** **B** **C** **D** **E**



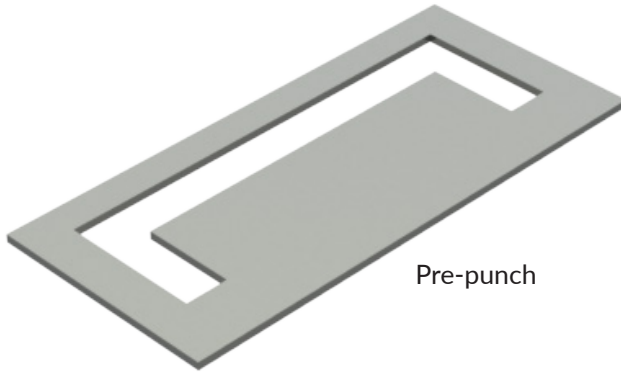
See this tool in action on the Wilson Tool YouTube Channel

APPLICATION	ADVANTAGES	INFORMATION NEEDED
The rolling de-burring tool eliminates the secondary operation of removing burrs from your parts.	<ul style="list-style-type: none"> <li>• Quickly and efficiently de-burrs your parts while on the turret machine.</li> <li>• Eliminates costly secondary operations.</li> <li>• Coins a small chamfer on the cut edge top and bottom of the sheet.</li> <li>• Can be used to de-burr nested parts.</li> <li>• Adjust ball pressure without disassembling the tool.</li> </ul>	<ul style="list-style-type: none"> <li>• Machine model</li> <li>• Material thickness and type</li> </ul>

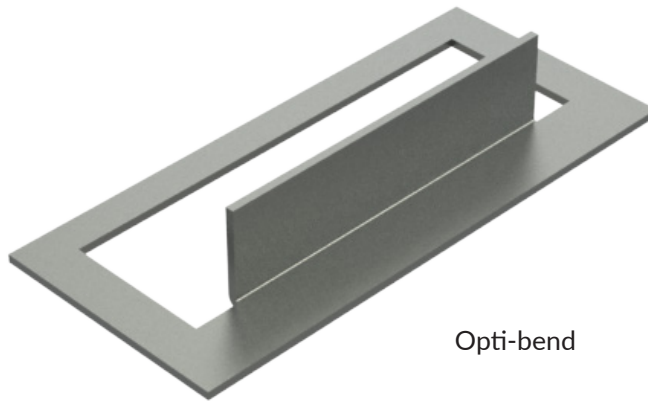


AVAILABLE FOR STATION SIZES (depends on machine) :    Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Machines with high form stations require special tooling that can achieve forms in the sheet up to 12mm high or higher.	<ul style="list-style-type: none"><li>• Able to form closer to the clamps with less distortion to the sheet.</li><li>• Able to pierce holes in adjacent stations with less distortion.</li></ul>	<ul style="list-style-type: none"><li>• Machine model</li><li>• Material thickness and type</li><li>• Dimensional drawing or electronic file</li></ul>



Pre-punch



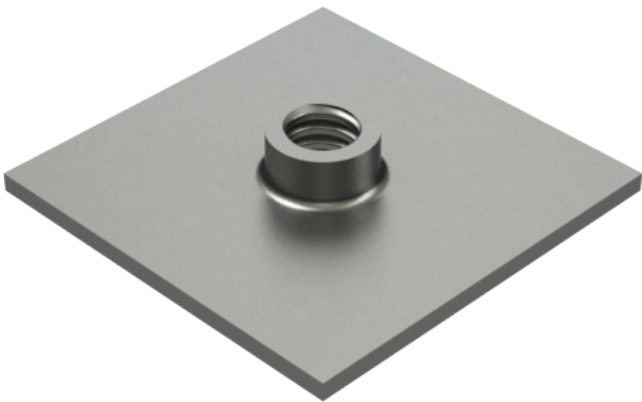
Opti-bend

AVAILABLE IN FOLLOWING STATIONS:



See this tool in action on the Wilson Tool YouTube Channel

APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>Opti-Bend allows you to achieve exceptionally high bends (up to 90°) in your punch press, eliminating costly time-consuming secondary operations in a press brake.</p> <p>It is possible to achieve 3° over bend.</p>	<ul style="list-style-type: none"> <li>• Performs up to 90° bends on a punch press with neutral pull on the sheet (won't pull out of clamps).</li> <li>• Special rotating cam design minimizes sheet marking on soft or high polished materials.</li> <li>• Available in single hit or progressive styles.</li> <li>• Can be run on a small range of material.</li> <li>• Allows multiple bending in a turret machine.</li> </ul>	<ul style="list-style-type: none"> <li>• Machine model</li> <li>• Material thickness and type</li> <li>• Dimensional drawing or electronic file</li> </ul>



Extruded Hole Shown

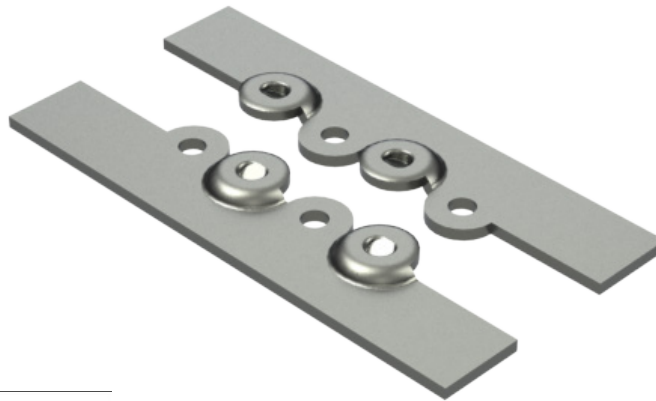
AVAILABLE IN FOLLOWING STATIONS:

- [A](#) [B](#) [C](#) [D](#) [E](#)



See this tool in action on the Wilson Tool YouTube Channel

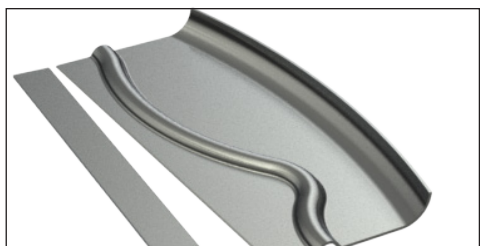
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>The tapping tool allows you to create high precision threads at any programmed location on the sheet.</p> <ul style="list-style-type: none"><li>• Taps available in imperial or metric sizes</li><li>• Available for most major brands of turret style punch press.</li></ul>	<ul style="list-style-type: none"><li>• Fast! Tap a hole or an extruded hole with every machine stroke, up to 200 holes per minute.</li><li>• Built in tapping fluid injection system is synchronized with the machine stroke to reduce wear and breakage.</li><li>• Taps are easily changed, with no disassembly required.</li><li>• Works on a wide range of material.</li><li>• Stock size pitch inserts and taps are available for fast delivery.</li></ul>	<ul style="list-style-type: none"><li>• Machine model</li><li>• Material thickness and type</li><li>• Pitch and tap size</li></ul>



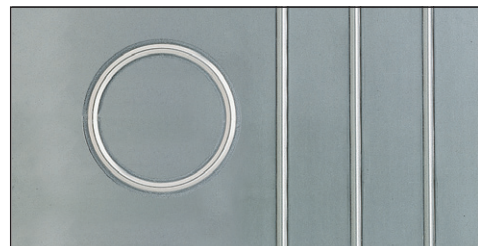
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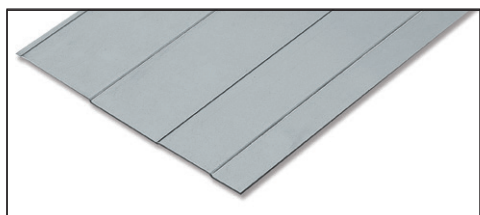
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>Zip-Tech lance is achieved in three operations:</p> <ol style="list-style-type: none"> <li>1. Pre-punch - round hole</li> <li>2. Pre-punch - T-shape hole</li> <li>3. Zip-Tech Lance and Form</li> </ol>	<ul style="list-style-type: none"> <li>• Fabricates snaps to join metal parts together.</li> <li>• Different types of materials of the same thickness can be joined together.</li> <li>• Eliminate time consuming and labour intensive welding and grinding operations, spot welding or other fastening methods.</li> </ul>	<ul style="list-style-type: none"> <li>• Machine model</li> <li>• Material thickness and type</li> </ul>



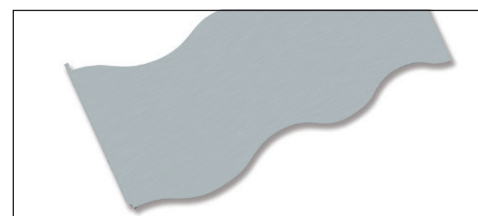
ROLLING FLARE



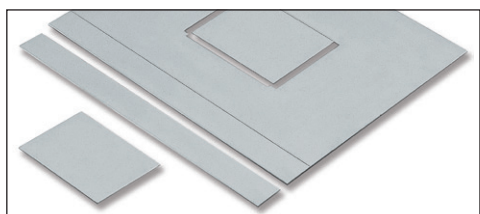
ROLLING RIB



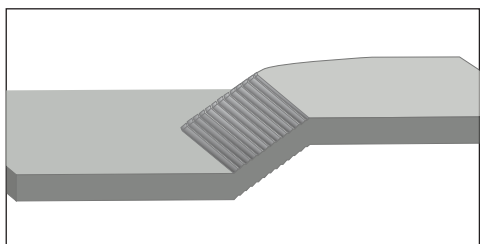
ROLLING OFFSET



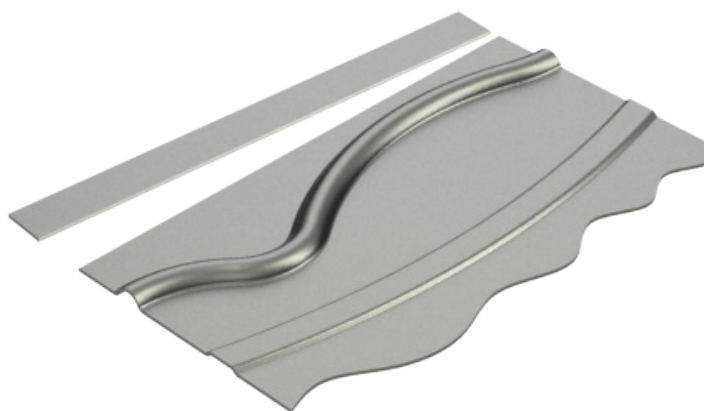
ROLLING SHEAR



ROLLING PINCHER



ROLLING FORGE



AVAILABLE IN FOLLOWING STATIONS:

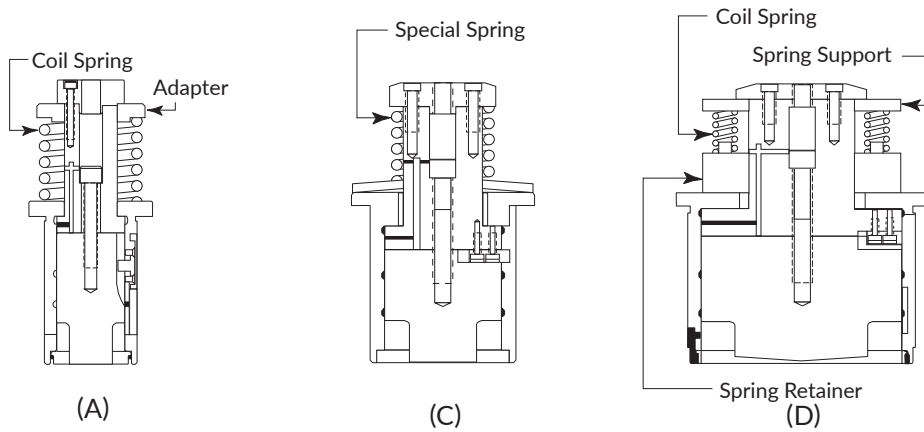


See this tool in action on the Wilson Tool YouTube Channel

APPLICATION	ADVANTAGES	INFORMATION NEEDED
The Wilson Wheel family of products offers you flexible, high speed production of slits, ribs and offsets on a wide range of materials with virtually no burrs or nibble marks. Create curves, arcs and circles with your auto index station.	<ul style="list-style-type: none"> <li>• High speed - equal to programmed table travel speed.</li> <li>• Virtually no burrs or nibble marks on sheet.</li> <li>• Eliminate scrap with rolling shear and pincher.</li> <li>• Replacement forming wheels available.</li> <li>• Available in form-up or form-down.</li> <li>• Works on a wide range of material.</li> <li>• Wheel tools can start or end anywhere on the sheet.</li> <li>• Stock sizes available for fast delivery.</li> </ul>	<ul style="list-style-type: none"> <li>• Machine model</li> <li>• Material thickness and type</li> <li>• Define fabrication needs</li> </ul>



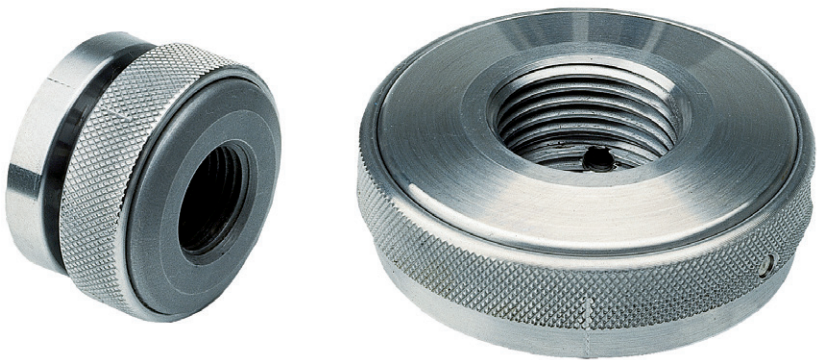
## OTHER ASSEMBLY DESIGNS



AVAILABLE IN FOLLOWING STATIONS:



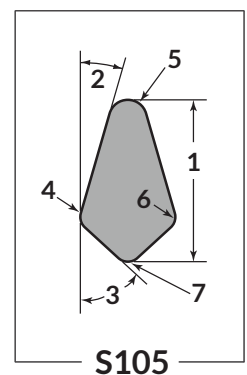
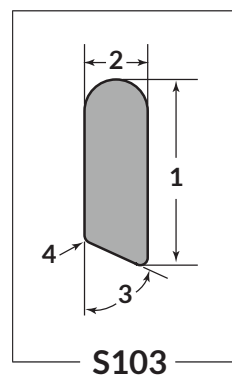
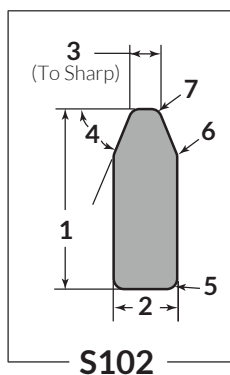
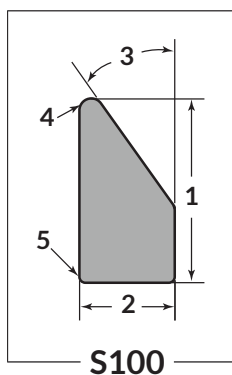
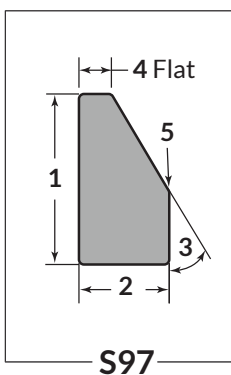
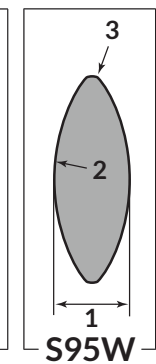
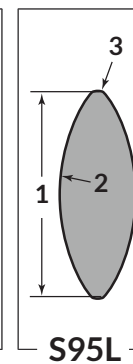
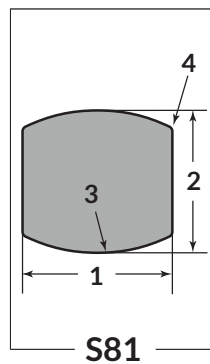
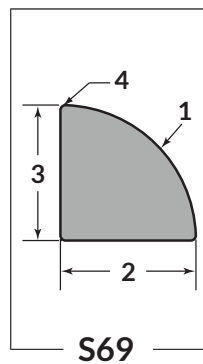
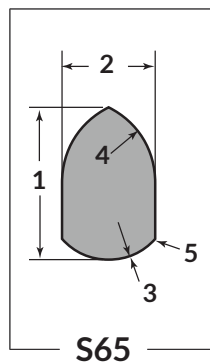
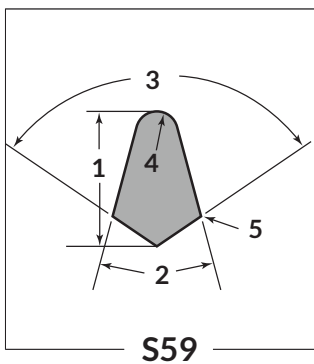
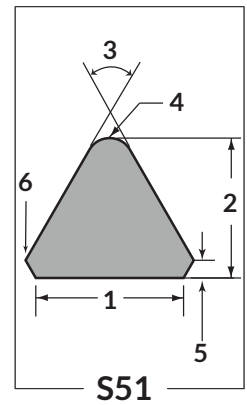
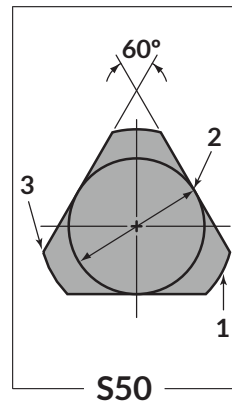
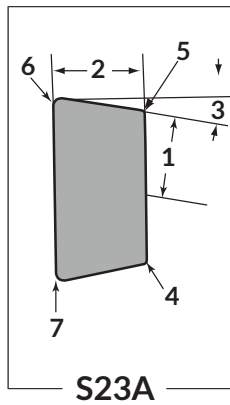
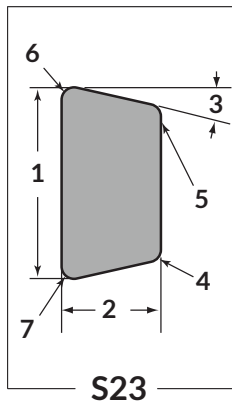
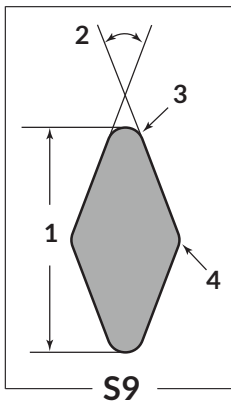
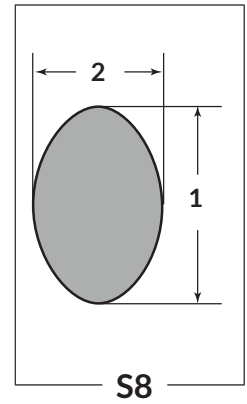
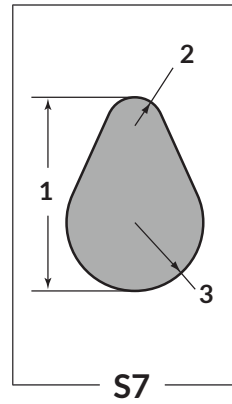
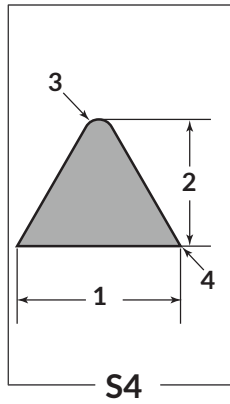
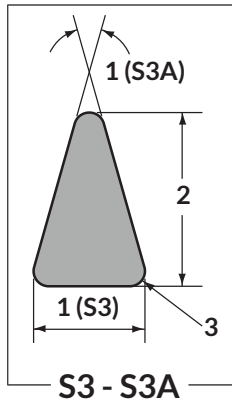
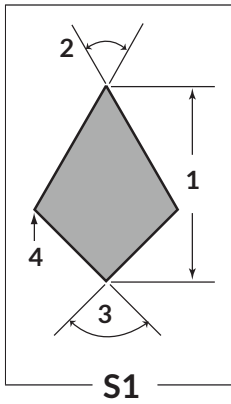
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Light Spring Packs help reduce sheet and form distortion as well as sheet marking in forming and piercing operations.	<ul style="list-style-type: none"> <li>Fast and easy assembly and disassembly with Series 80®, Series 80 Plus®, Series 90® and High Performance® (HP).</li> <li>Simply spin off the existing spring unit and spin on the partial light spring unit.</li> <li>Sold in partial or complete spring units.</li> <li>Assembly instructions included.</li> </ul>	<ul style="list-style-type: none"> <li>Type of holder</li> </ul>



AVAILABLE IN FOLLOWING STATIONS: **A** **B** **C** **D** **E**

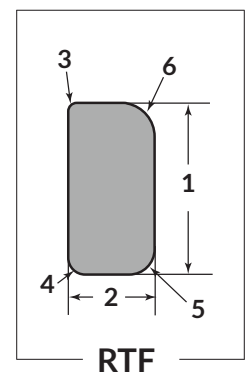
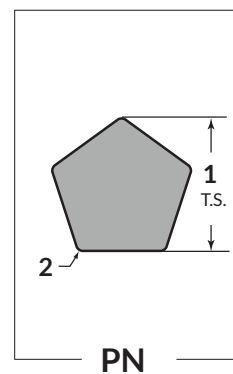
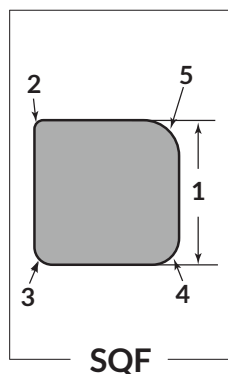
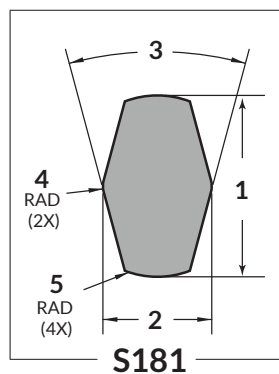
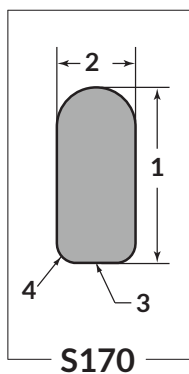
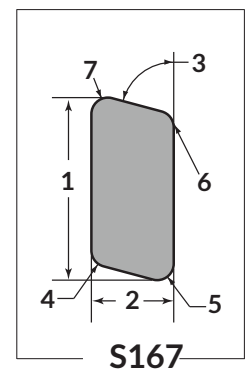
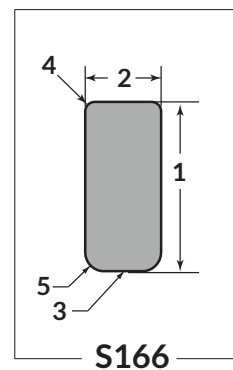
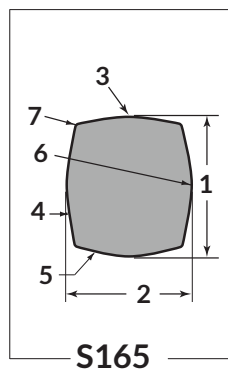
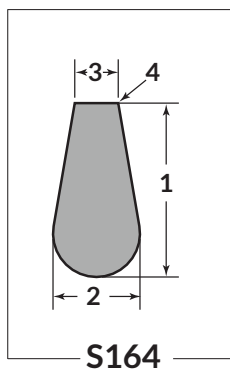
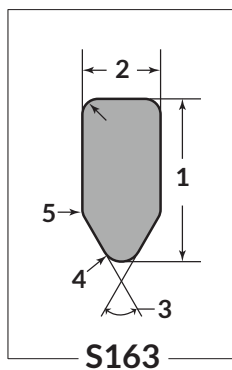
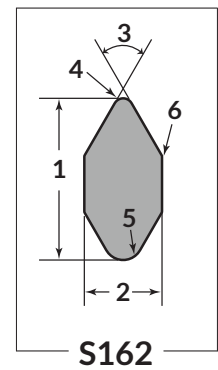
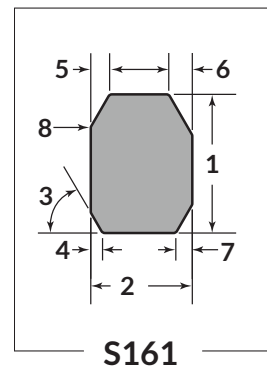
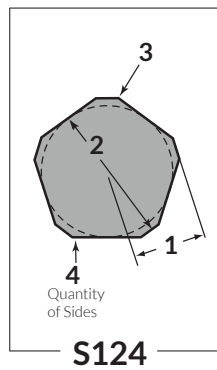
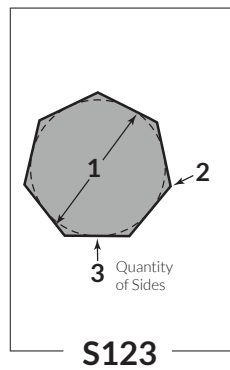
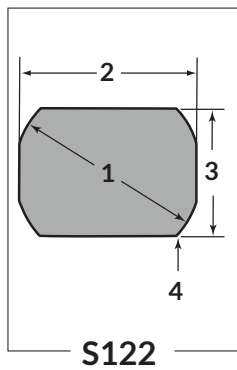
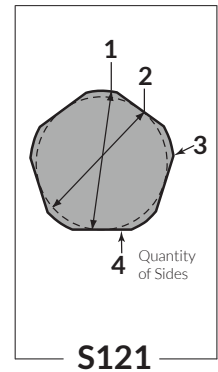
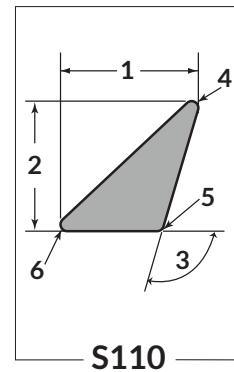
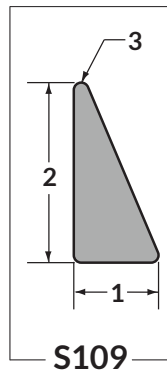
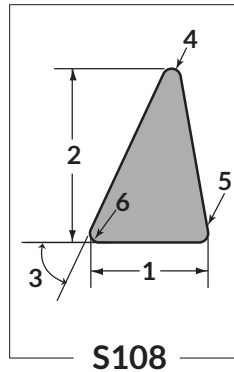
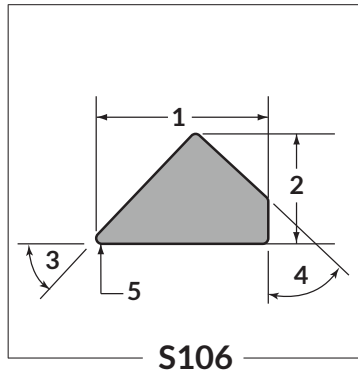
APPLICATION	ADVANTAGES	INFORMATION NEEDED
<p>The E-Z Set™ punch head provides quick turn-of-the-wrist adjustment. A simple lift and turn of the adjustable head is all that is required.</p> <p>You can achieve just the right mark or form when using the E-Z Set™ punch head on A or B station stamping and forming tools.</p>	<ul style="list-style-type: none"><li>• Precise adjustment: Each adjustment click provides a 0.09 mm incremental change in the tool length.</li><li>• The maximum adjustment is approximately 3 mm.</li><li>• Fine length adjustments can now be made without removing the tool from the turret, thus reducing machine down time.</li><li>• You will see instant payback based on reduced machine down time.</li></ul>	<ul style="list-style-type: none"><li>• Type of holder - imperial or metric</li><li>• Style of guide assembly</li></ul>

## STANDARD SHAPES (GROUP 'A')



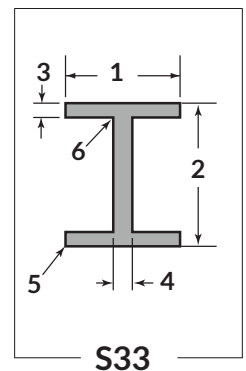
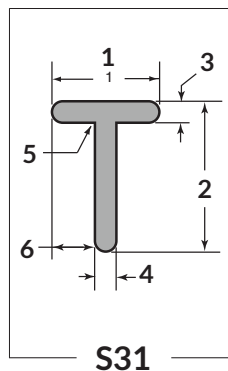
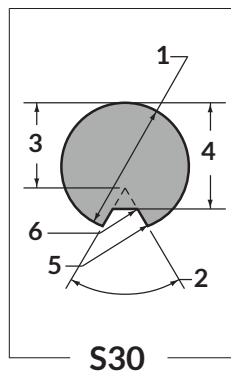
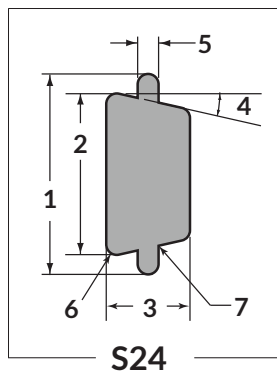
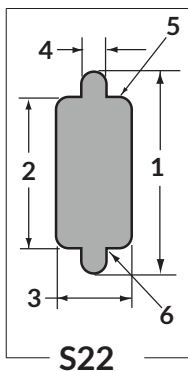
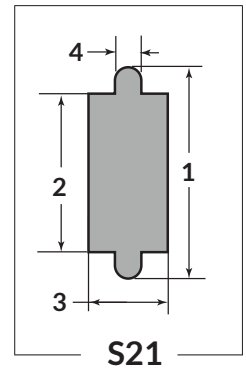
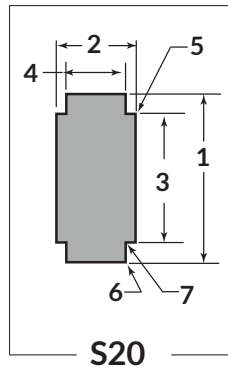
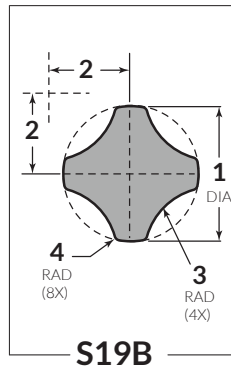
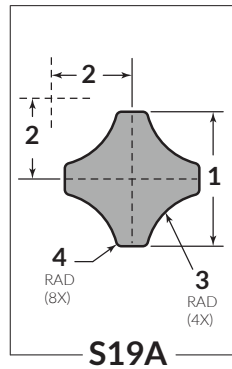
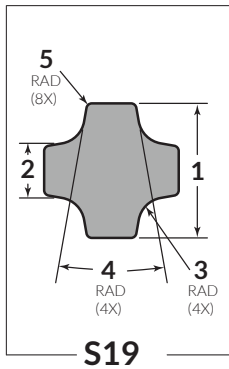
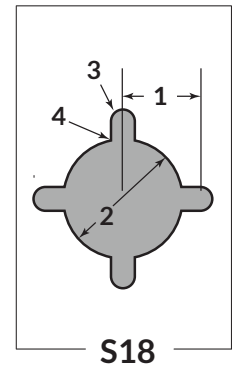
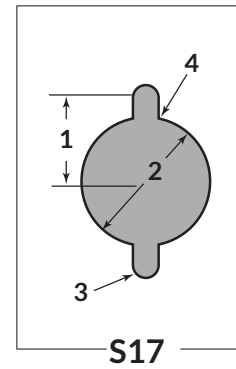
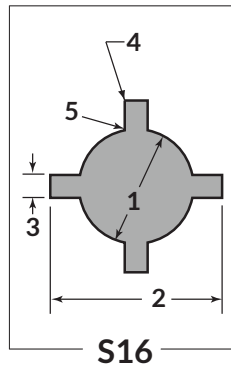
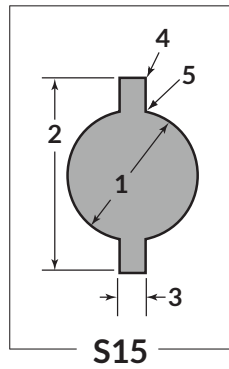
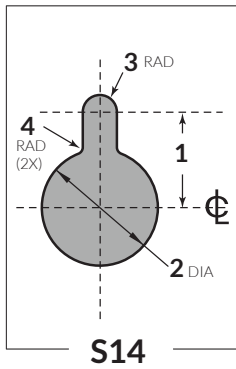
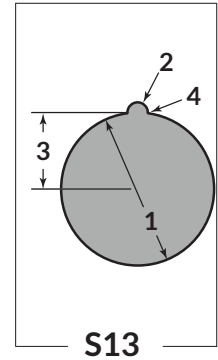
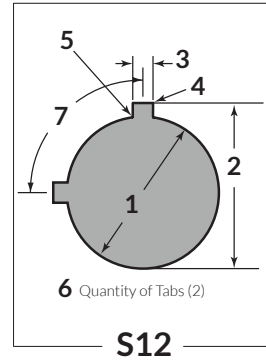
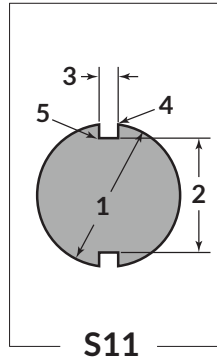
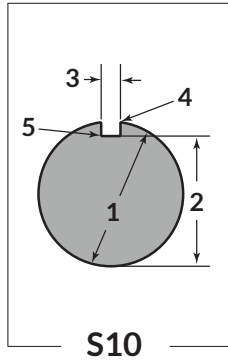
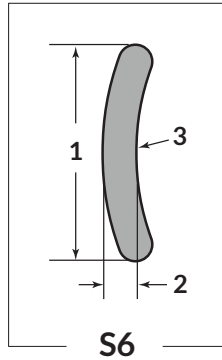
NOTE: Special considerations may alter price and lead time.

## STANDARD SHAPES (GROUP 'A')



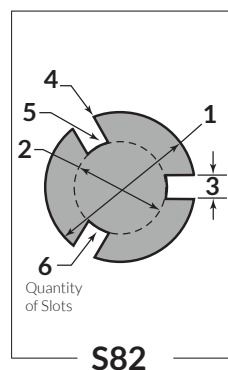
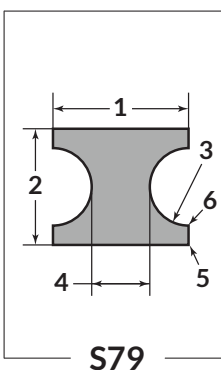
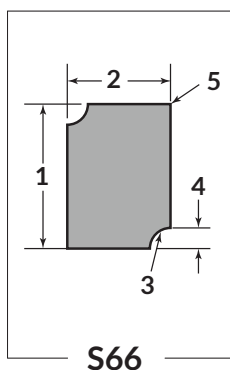
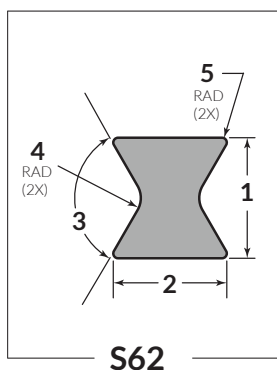
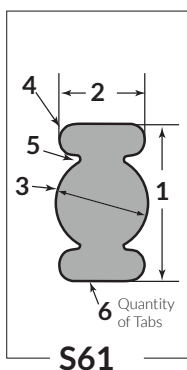
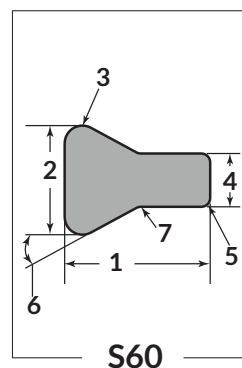
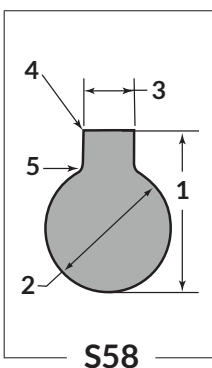
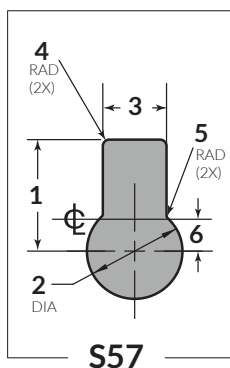
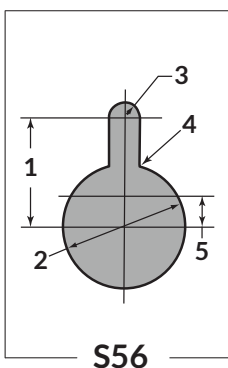
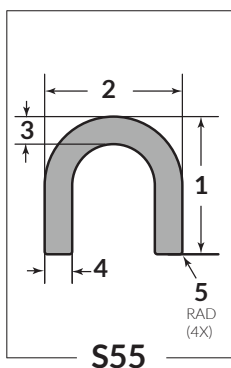
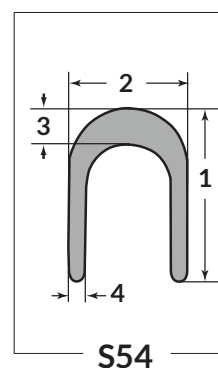
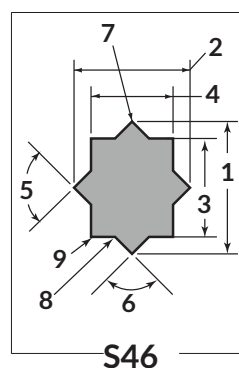
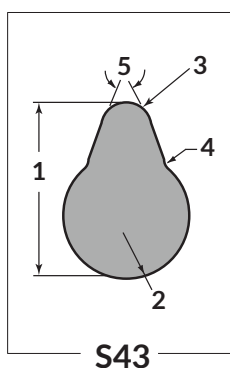
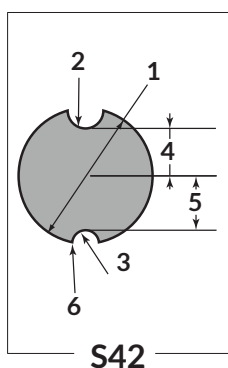
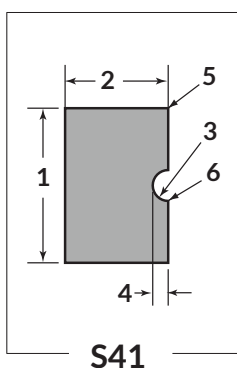
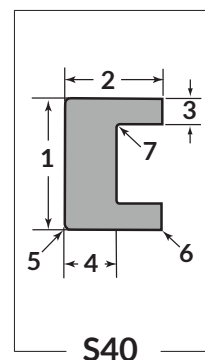
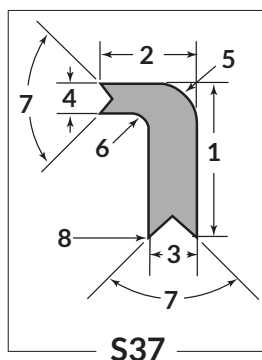
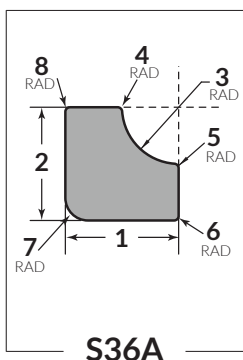
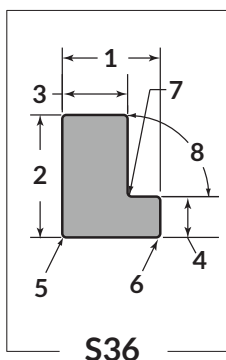
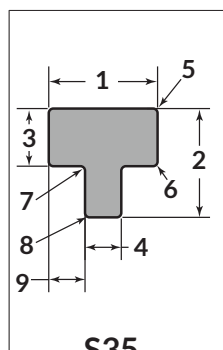
NOTE: Special considerations may alter price and lead time.

## GROUP 'B'



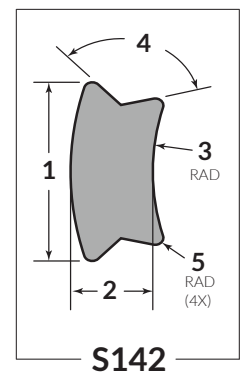
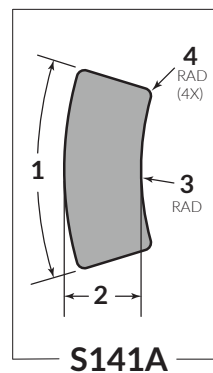
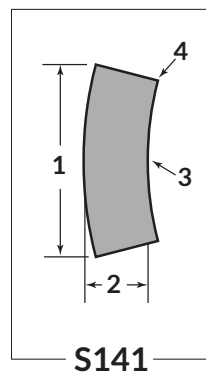
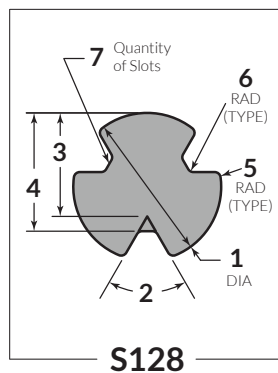
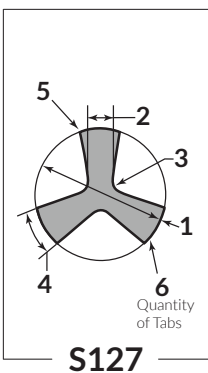
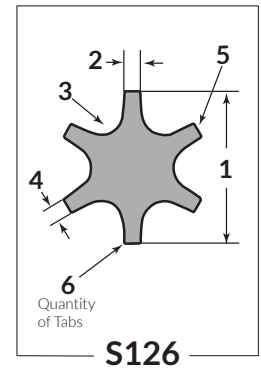
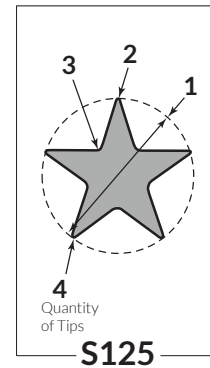
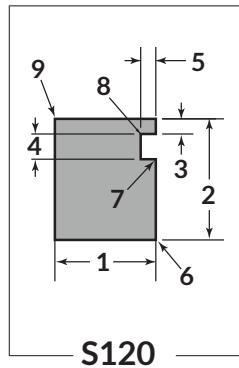
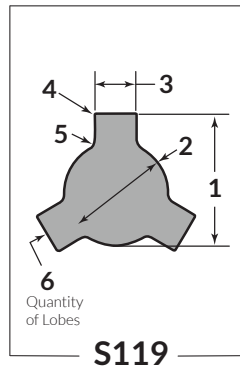
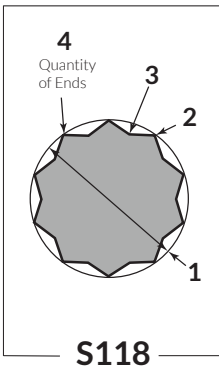
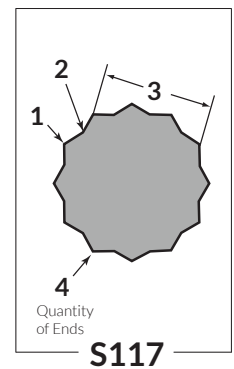
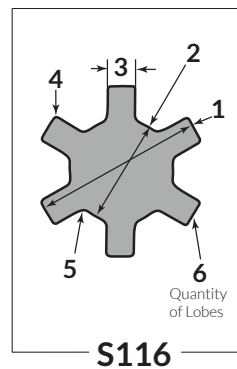
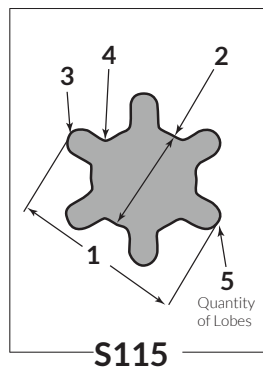
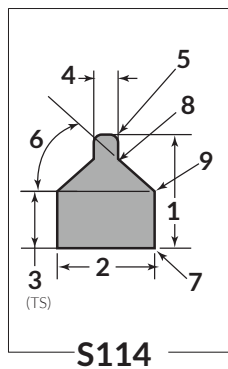
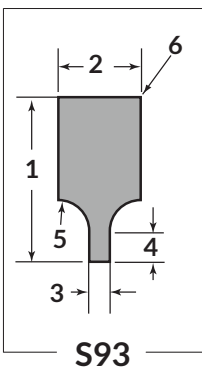
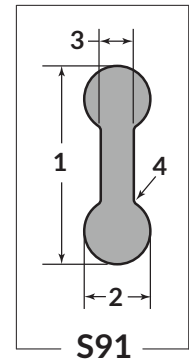
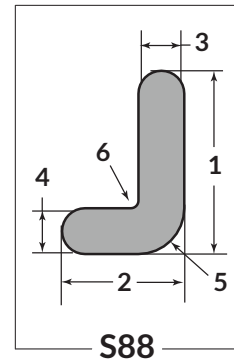
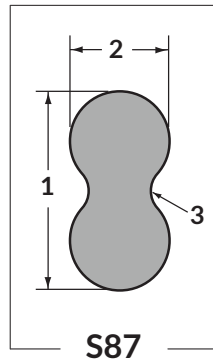
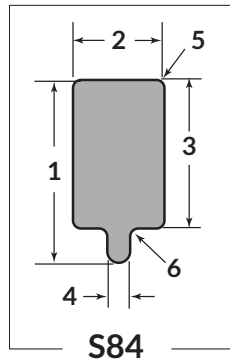
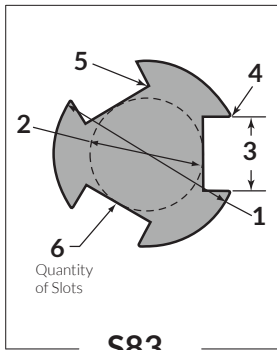
NOTE: Special considerations may alter price and lead time.

## GROUP 'B'



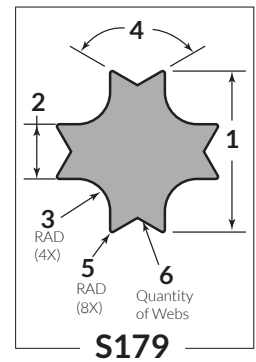
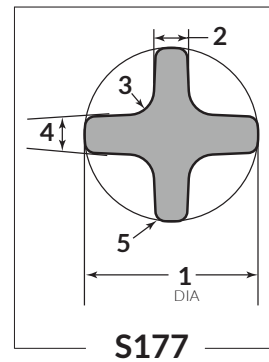
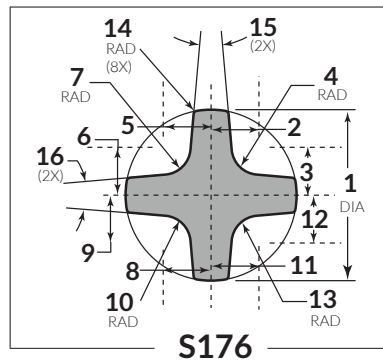
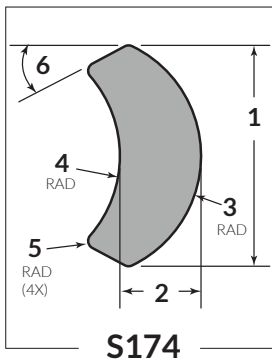
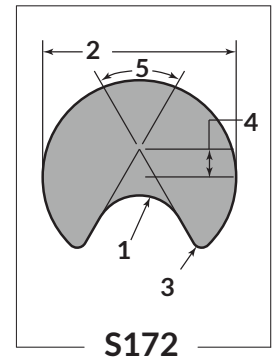
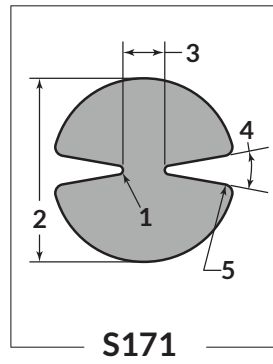
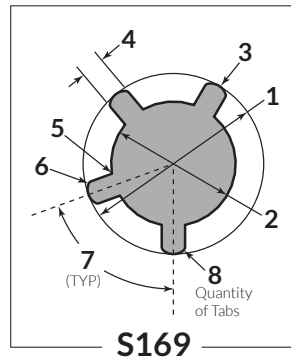
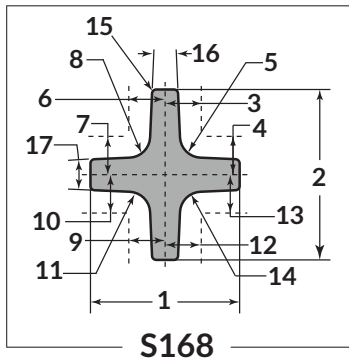
NOTE: *Special considerations may alter price and lead time.*

## GROUP 'B'



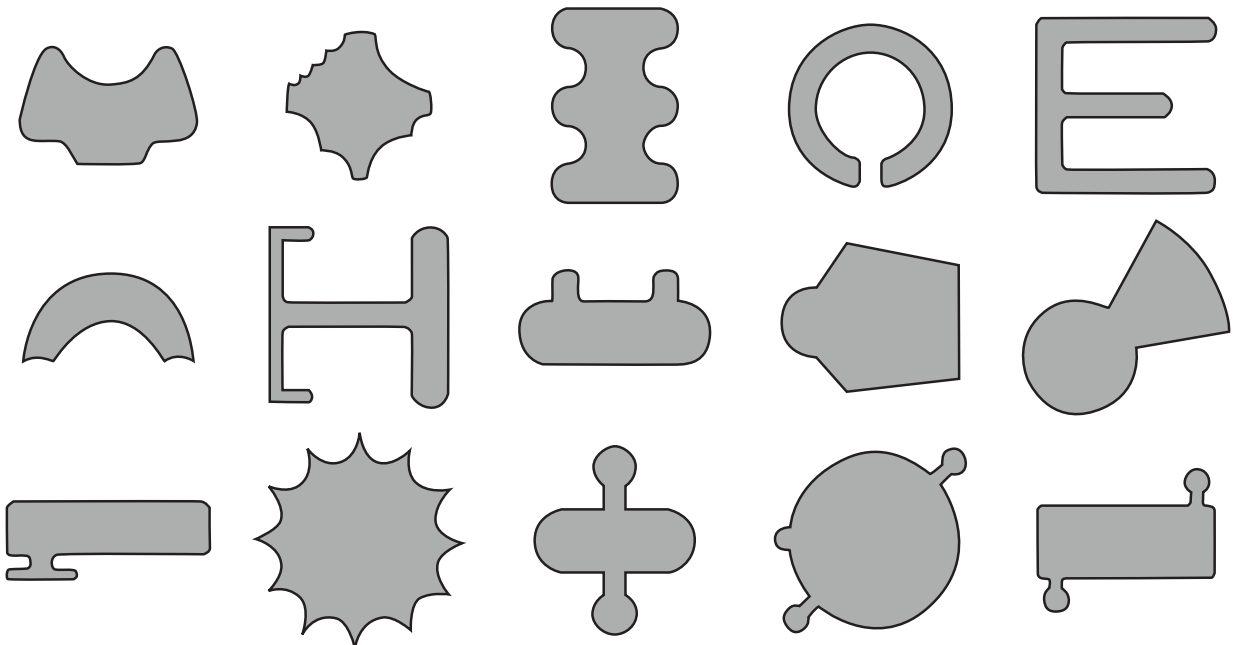
NOTE: Special considerations may alter price and lead time.

## GROUP 'B'



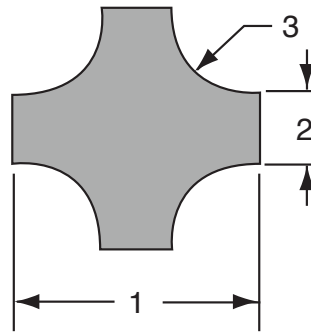
NOTE: Special considerations may alter price and lead time.

## 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.

## 4-WAY RADIUS TOOLS - STANDARD SIZES



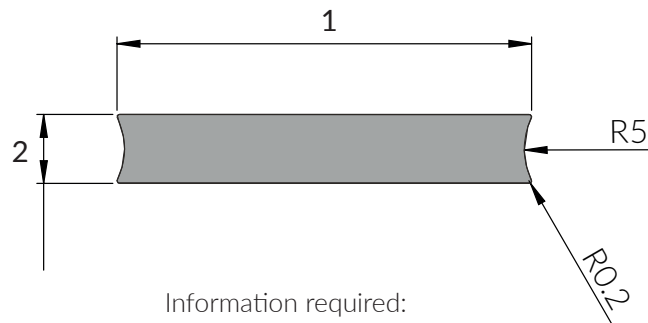
Information required:

1 = \_\_\_\_\_

2 = \_\_\_\_\_

3 = \_\_\_\_\_

## WT STYLE FISHTAIL TOOL



Information required:

1 = \_\_\_\_\_

2 = \_\_\_\_\_

BE LIMITED BY YOUR IMAGINATION, NOT YOUR TOOLS

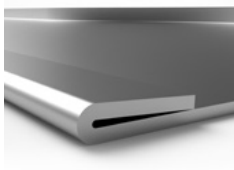


Wilson Tool can help you to reduce secondary operations and save you valuable manufacturing time.

## CHALLENGE US!

Contact us with your details and see if we can help you to improve your production processes.

*Examples of how we've met previous challenges our customers have faced.*



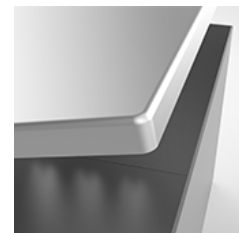
### Hemming

Unexpected ways to hem component edges.



### Part Bending

Alternative ways to form bent parts.



### Corner Forming

Form closed corners without the need for welding.

DESCRIPTION	CAT. NO.
Wilson X-Sharp Grinder	55106
X-Sharp Shear Grinding Chuck	55115
Trumpf® size 1 Die Adapter	26008
CBN Grinding Wheel	55109
Grinder Coolant	55311
Dressing Stone	55117
Dressing Stone Holder	55319

Press Brake Compatible

Punch Press Compatible



## X-SHARP GRINDER

Sharpening your punch press tooling is simpler and faster with the unique and innovative X-Sharp grinder from Wilson Tool.

The benefits:

- 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
- Available in the colours of your choice to match your machines

Press Brake Compatible

Punch Press Compatible



## ULTRASONIC CLEANER

Material build-up, or "Galling", will have a detrimental impact both on the life of your tooling and on the quality of the parts produced on your punch press.

To protect the investment you have made in punch press and press brake tooling, Wilson Tool can now offer a range of high quality and innovative Ultrasonic cleaners that will remove galling in minutes without damaging the tool surface.

ITEM	VOLUME	BASKET SIZE	CAT. NO.
M3	1.9 Litres	198 mm x 106 mm x 50 mm	55323
M12	9 Litres	250 mm x 190 mm x 115 mm	55324
M30	20.6 Litres	455 mm x 250 mm x 115 mm	55325
M80i	80 Litres	540 mm x 290 mm x 340 mm	55328
M120i	120 Litres	540 mm x 400 mm x 390 mm	55329
M160i	160 Litres	1120 mm x 290 mm x 340 mm	55330
Cavitec HD Pro	25 Litres	Detergent solution, 10-40% ratio in water	55348



See this tool in action on the Wilson Tool YouTube Channel

Press Brake Compatible  
.....  
Punch Press Compatible



### LARGE XTREME STORAGE CABINET

TYPE	DIMENSIONS (W X H X D)	CAT. NO.
XSC 531	1040 x 2140 x 1050 mm	55165
XSC 532	1040 x 2140 x 1300 mm	55129

Press Brake Compatible  
.....  
Punch Press Compatible



### MEDIUM XTREME STORAGE CABINET

TYPE	DIMENSIONS (W X H X D)	CAT. NO.
XSC 521	1040 x 1620 x 1050 mm	55357
XSC 522	1040 x 1620 x 1300 mm	55358

Press Brake Compatible  
.....  
Punch Press Compatible



### SMALL XTREME STORAGE CABINET

TYPE	DIMENSIONS (W X H X D)	CAT. NO.
XSC 311	660 x 1240 x 1050 mm	55125
XSC 312	660 x 1240 x 1300 mm	55292
XSC 511	1040 x 1240 x 1050 mm	55164
XSC 512	1040 x 1240 x 1300 mm	55128

\*For more information on cabinets and drawer inserts refer to the Wilson Tool X-tra Catalogue

## T-HANDLE EXTRACTOR

Press Brake Compatible  
.....  
Punch Press Compatible

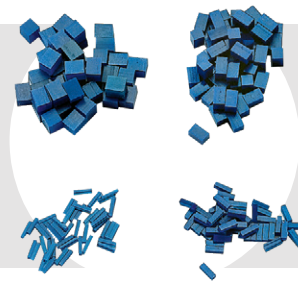


Used for large station guide assemblies.  
.....

Cat. No. 6483

## SLUG EJECTORS

Press Brake Compatible  
.....  
Punch Press Compatible



HOLE DIA. IN PUNCH	QTY	CAT. NO.
3.2 mm	50	6116
4.8 mm	50	6117
9.5 mm	50	6118
12.7 mm	50	6119
Assortment	50	6410

## 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	15.2 x 30.5 cm	6108

## DIGITAL THICKNESS GAUGE

Press Brake Compatible  
.....  
Punch Press Compatible



- Compact size with spring loaded jaw mechanism
  - Accuracy to 0.051 mm
  - Readings in millimeters, inches and fractions
- .....

## DIGITAL EASY READ CALIPER

Press Brake Compatible  
.....  
Punch Press Compatible



- Large digital readout 22.23 x 60.33 mm
  - Measuring range 0 - 152.4 mm
  - Accuracy to 0.025 mm
- .....

One tool is required to align each station.

STATION	UPPER	LOWER
	CAT. NO	CAT. NO
A	2597	2598
B	2599	495



## SINGLE TRACK MACHINE ALIGNMENT TOOLS

Press Brake Compatible  
.....  
Punch Press Compatible

Two tools are required to align each station - one in front of the station and one in back.

STATION	UPPER CAT. NO
A	2601
B	2602



## MULTIPLE TRACK MACHINE ALIGNMENT TOOLS

Press Brake Compatible  
.....  
Punch Press Compatible

Single track turrets require one tool to align each station. Multiple track machines require two tools to align each station.

STATION	UPPER	LOWER
	CAT. NO	CAT. NO
C	1840	1841
D	1947	1948
E	1949	1950
F	2290	2291



## ALIGNMENT TOOLS

Press Brake Compatible  
.....  
Punch Press Compatible

A **Ball riding die** consists of a spring loaded ball designed to help eliminate sheet hang-up from material running into a higher die, sheet deformation from punching next to dies of different heights and damage to die inserts when the die cap receives uneven loading.

STATION SIZE	BALL RIDING	BRUSH
	CAT. NO	CAT. NO
A	2375	2760
B	482	2761
C	13591	2762
D	13592	2763
E	13593	2764



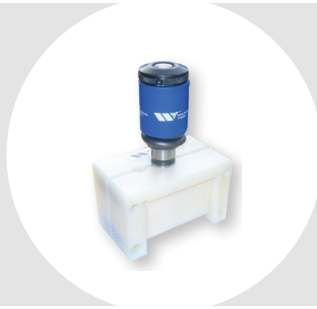
## BALL RIDING AND BRUSH DIE

Press Brake Compatible  
.....  
Punch Press Compatible

**Brush dies** are primarily used in applications where any marking that might be caused by ball riding dies is not acceptable.

## NYLON VICE JAWS

Press Brake Compatible  
Punch Press Compatible



Used to aid in the assembly and maintenance of A & B Station Thick Turret style punch assemblies.

Cat. No. 24001

## ASSEMBLY FIXTURE

Press Brake Compatible  
Punch Press Compatible

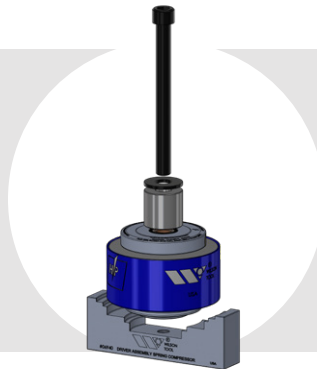


Ideal bench mounted aid for assembling.  
For C and D Stations.

Cat. No. 24162

## HP SPRING COMPRESSION KIT

Press Brake Compatible  
Punch Press Compatible



Includes spring base, external circlip pliers, spacer sleeve, washer and M-12 bolt.

Cat. No. 6940  
For old style: Cat. No. 8104

## RUBBERIZED ABRASIVE WHEEL

Press Brake Compatible  
Punch Press Compatible



For removing galling

Cat. No. 8050

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 Litre Concentrate  
Cat. No. 24316



## SHEET LUBRICANT

Press Brake Compatible  
Punch Press Compatible

0.95 Litre capacity enamel steel sprayer with adjustable plastic nozzle.



## SURE SHOT SPRAYER

Press Brake Compatible  
Punch Press Compatible

## MAGNET SQUARE

Press Brake Compatible

Punch Press Compatible



ON/OFF work holding magnet  
150 lb [70 kg] of hold force.  
Size: [30 mm] Square

Cat. No. 974150

## WIRE BRUSH

Press Brake Compatible

Punch Press Compatible



3 Row

5 Row

Cat. No. 55068

Cat. No. 55069

## OIL STONE

Press Brake Compatible

Punch Press Compatible



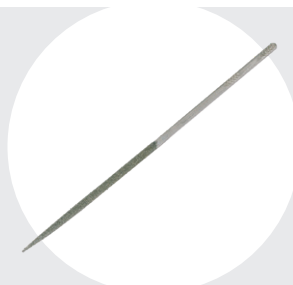
Triangular aluminum oxide  
sharpening stone.

Cat. No. 6060

## 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

## 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" and  
3/8".

Cat. No. 6057

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, and 10 x 170 mm.

Cat. No. 6105



## METRIC HEX KEY WRENCH SET

Press Brake Compatible

Punch Press Compatible

Polyurethane dead-blow hammer.  
Inside hammer head are steel pellets  
which impact asplit second after the  
hammer face, reducing rebound.

Cat. No. 6106



## SOFT FACE HAMMER

Press Brake Compatible

Punch Press Compatible

Retaining ring pliers for changing Old  
Style B Station Thick Turret strippers  
and Old Style 5/8" Drop-In strippers.

Cat. No. 6056



## TRU-ARC PLIERS

Press Brake Compatible

Punch Press Compatible

Adjustable 'c' hook wrench for  
removing B Station Thick Turret and  
1/4" Station ThinTurret/Strippit punch  
heads.

Cat. No. 6058



## SPANNER WRENCH

Press Brake Compatible

Punch Press Compatible

Manufactured from drop forged carbon  
steel with hardened and precision  
ground blades which can be  
re-sharpened.

Cat. No. 55061



## TINSNIPS

Press Brake Compatible

Punch Press Compatible

DIE SHIMS FOR MULTI-TOOLS®						
STATION	SHAPE	THICKNESS	INDIVIDUAL CAT. NO.	PRICE	PACKAGE OF 15 CAT. NO.	PRICE
3-1/2 - 8i/Ri		0.25 mm	6800		6815	
3-1/2 - 8i/Ri		0.76 mm	6801		6816	
MT 12 & 20-8	Round	0.25 mm	6802		6817	
MT 12 & 20-8	Round	0.76 mm	6803		6818	
MT 12 & 20-8	Shape	0.25 mm	6804		6819	
MT 12 & 20-8	Shape	0.76 mm	6805		6820	
MT 6 & 10 - 16		0.25 mm	6806		6821	
MT 6 & 10 - 16		0.76 mm	6807		6822	
MT 6 & 8-24		0.25 mm	6808		6823	
MT 6 & 8-24		0.76 mm	6809		6824	
1-1/4 - 5		0.25 mm	6810		6825	
1-1/4 - 5		0.76 mm	6811		6826	

**THICK TURRET B to A STATION ADAPTER**

DESCRIPTION	CAT. NO.	PRICE
Punch & Guide Assembly Adapter (Keyed at 0° & 90°)	2284	
Die Adapter	2220	
Screw	2119	

**THICK TURRET C to B STATION ADAPTER**

DESCRIPTION	CAT. NO.	PRICE
Punch & Guide Assembly Adapter	2476	
Die Adapter	2475	
Screw	6206	

**THICK TURRET D to B STATION ADAPTER**

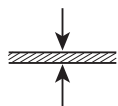
DESCRIPTION	CAT. NO.	PRICE
Punch & Guide Assembly Adapter (not shown)	2492	
Die Adapter	35058	

**THICK TURRET E to B STATION ADAPTER**

DESCRIPTION	CAT. NO.	PRICE
Punch & Guide Assembly Adapter (not shown)	2680	
Die Adapter	2681	

**MAX. MATERIAL THICKNESS FOR ABOVE ADAPTERS**

3.4 mm mild steel and aluminum  
2.3 mm stainless steel



Other style adapters are available, please consult our sales desk.

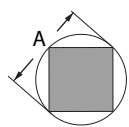
ROOFTOP	CONCAVE OR DOUBLE CONCAVE	INVERTED ROOFTOP	DOUBLE VALLEY	JK SHEAR
<p><b>+</b></p> <p>Best shear for punching at maximum tonnages.</p>	<p><b>+</b></p> <p>Best shear for nibbling because it inverts stresses.</p>	<p><b>+</b></p> <p>Good shear for nibbling because it inverts stresses.</p>	<p><b>+</b></p> <p>Best shear for nibbling when shape is long and narrow.</p>	<p><b>+</b></p> <p>A special shear that allows you to punch high strength materials with a reduced risk of breakage.</p>
<p><b>-</b></p> <p>When nibbling, bite must be 75% of punch dimension or excessive side loading will result.</p>	<p><b>-</b></p> <p>Less resistant to breakage when punching at high tonnages because of inverted stresses.</p>	<p><b>-</b></p> <p>More susceptible to breakage because of a sharp focal point for stresses—use great care.</p>	<p><b>-</b></p> <p>Less resistant to breakage when punching at high tonnages because of inverted stresses.</p>	<p><b>-</b></p> <p>Can only be used on punches up to 25.4 mm diameter or 'A' dimension.</p>

## SPECIAL SHEARS

STATION	'A' Dimension	Inverted Rooftop Single Concave		Double Valley Double Concave	
		1.6 mm	3.2 mm	1.6 mm	3.2 mm
B	Within 31.75 mm	N/A		N/A	
C	Within 50.8 mm				
D	Within 88.9 mm				
E	Within 114.3 mm				

## JK SHEAR

SHAPE	ADD ON PRICE
Round	
Rectangle, Square, Hexagon, Single 'D', Double 'D'	
OblongOB Round	

SPECIAL SHEAR DETAILS	'A' DIMENSION	EXCEPTION
<p>1.6 mm rooftop shear is given to all punches with 'A' dimension† greater than 50.8 mm and width greater than 6.35 mm at no extra charge.</p> <p>All punches 6.35 mm and under in width will be shipped with no shear unless specified.</p>		<p>In some instances, inverted rooftop is substituted for single and double concave shears.</p>

## JK SHEAR DETAILS

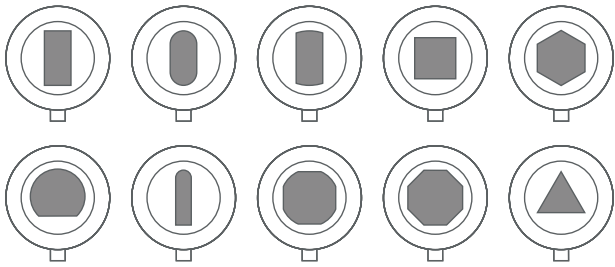
If specified: 3.2 mm maximum rooftop shear can be given at N/C for any round or shape in C, D, E or F stations.

For rooftop shear on any round or shape in A or B stations, add.

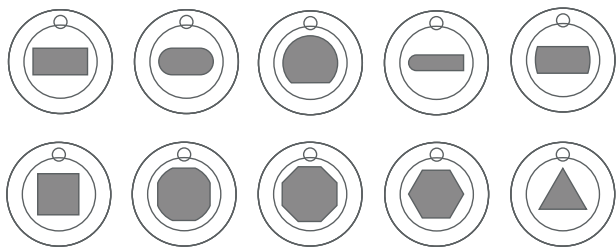
STANDARD KEYING LOCATIONS

PUNCH VIEW

A & B STATION

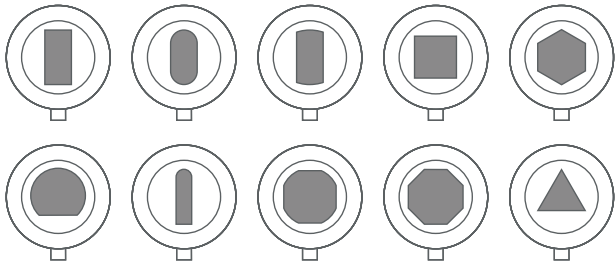


C,D & E STATION

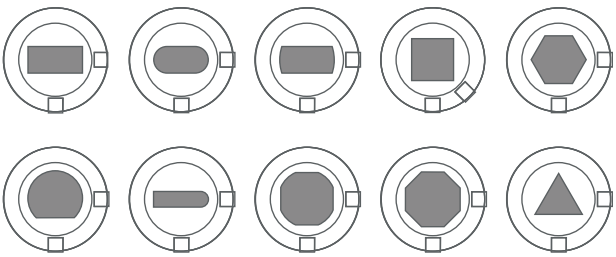


DIE VIEW

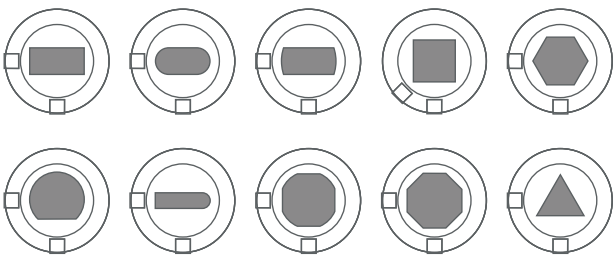
A & B STATION



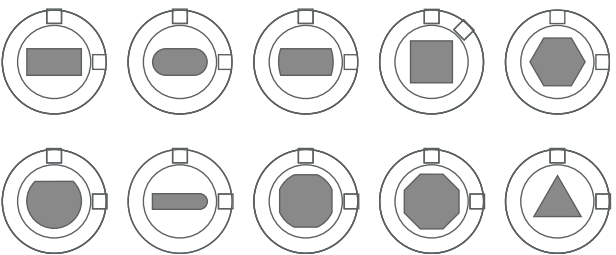
C STATION



D STATION

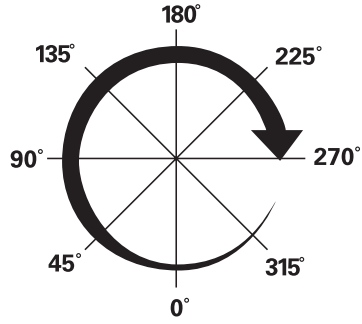


E STATION



REFERENCE

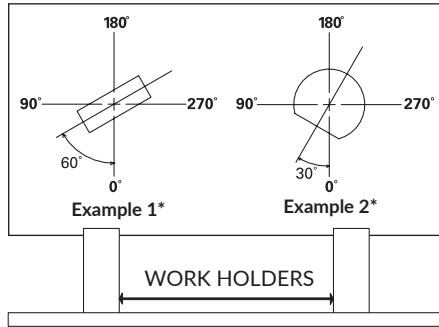
## Wilson Tool Keying Diagram



Refer to non-standard key locations by the following method:

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

Examples of angle settings:



FRONT OF PRESS

### SHAPE at single angles other than standard

Station	Punch	Die	Guide or Stripper
A	N/C		N/C
B			Not Applicable
C			Not Applicable
D			Not Applicable
E			Not Applicable

No additional charge on A & B stations for shape at 45° increments)

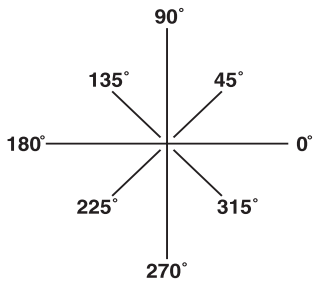
### STANDARD keying, plus extra pins or keys for shapes at other than 45° increments

Station	Punch	Die	Guide or Stripper
A	Not Applicable	Not Applicable	/ key
B	Not Applicable	Not Applicable	/ key
C	/ pin	/ key	Not Applicable
D	/ pin	/ key	Not Applicable
E	/ pin	/ key	Not Applicable

### STANDARD keying, plus extra pins or keys for shapes at 45° increments

Station	PUNCH		DIE		Guide or Stripper
	Available Options	Add On Price	Available Options	Add On Price	
A	Not Available	Not Available	Not Available	Not Available	/ key
B	0° & 45° 0° & 180°		0° & 45° 0° & 180°		/ key
C	45° increments	/ pin	45° increments	/ key	Not Applicable
D	45° increments	/ pin	45° increments	/ key	Not Applicable
E	45° increments	/ pin	45° increments	/ key	Not Applicable

### Die View



### Front of Press

This key location matches Amada's® turret punch press programming method.

### Die Clearance Selection Information

Material	Total Clearance		
	Minimum	Best	Maximum
Copper, 1/2 Hard	8%	12%	16%
Brass, 1/2 Hard	6%	11%	16%
Mild Steel	10%	15%	20%
Steel 0.50C	12%	18%	24%
Aluminum, Soft	5%	10%	15%
Stainless Steel	15%	20%	25%

% X Material Thickness = Total Clearance

'A' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
0.79 - 1.50 mm			N/C
Clearance < 0.10 mm			N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm			
Clearance < 0.10 mm			N/C

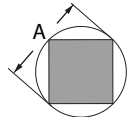
'B' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
0.79 - 1.50 mm			N/C
Clearance < 0.10 mm			N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm			
Clearance < 0.10 mm			N/C

'C' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
<25.4 mm		N/C	N/C
Clearance < 0.10 mm			N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm			
'A' Dim < 29.21 mm		N/C	N/C
'A' Dim 29.21 - 31.72 mm		N/C	N/C
Clearance < 0.10 mm			N/C

'D' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
<48.26 mm		N/C	N/C
48.26 - 50.77 mm		N/C	N/C
Clearance < 0.10 mm			N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm			
'A' Dim < 48.26 mm		N/C	N/C
'A' Dim 48.26 - 50.77 mm		N/C	N/C
Clearance < 0.10 mm			N/C

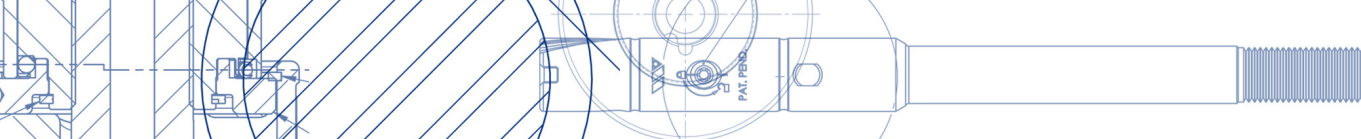
'E' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
<86.36 mm		N/C	N/C
86.36 - 88.87 mm		N/C	N/C
Clearance < 0.10 mm			N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm			
'A' Dim < 86.36 mm		N/C	N/C
'A' Dim 86.36 - 88.87 mm		N/C	N/C
Clearance < 0.10 mm			N/C

RADIUS OR 45° CHAMFER 4 CORNERS		
	RADIUS OR CHAMFER SIZE	PRICE
Punch	0.02 - 1.57 mm	N/C
	1.58 - 6.35 mm	N/C
	RADIUS OR CHAMFER SIZE	PRICE
Die	Any Size	N/C

MAX 'A' DIMENSION	NOTES
	Add to round or shape punch for : <ul style="list-style-type: none"> <li>• Extra straight before radius</li> <li>• Extra back taper</li> <li>• No back taper</li> </ul>







# WILSON TOOL INTERNATIONAL (EUROPE) LTD.

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