WILSON TOOL



THICK TURRET
TOOLING SOLUTIONS
Standards, Specials and Accessories



Contents

WILSON STYLE 6

6 Small Station Advantages
8 HPX® A Station
10 HPX® B Station
12 EXP® A & B Station
14 HP2 and HP A Station
16 HP2 and HP B Station
18 HP A Station, *Heavy Duty*
20 HP B Station, *Heavy Duty*
22 Basix A Station
24 Basix B Station
26 Basix A Station, *Heavy Duty*
28 Basix B Station, *Heavy Duty*
30 Large Station Advantages
32 HP C Station
34 HP D Station
36 HP E Station
38 HP Notcher Stripper Plate

COATINGS 39

METRIC STYLE 40

40 Small Station Advantages
42 HPX® A Station
44 HPX® B Station
46 EXP® A & B Station
48 HP2 A Station
50 HP2 B Station
52 Basix A Station
54 Basix B Station
56 Large Station Advantages
58 HP C Station
60 HP D Station
62 HP E Station
64 Standard C Station
66 Standard D Station
68 Standard E Station
70 Basix C Station
72 Basix D Station
74 Basix E Station

TOOL STEEL 76

PARTING TOOLS 77

78 HP DuraBlade® D Station
80 HP DuraBlade® E Station
82 Dura-Die
82 Close to Clamp Slitting Die
83 Close to Clamp Replacement Parts
84 Standard Parting Tools
84 Mate Ultra Replacement
84 Amada Alpha Replacement
84 Amada Q Series Replacement

ULTRA REPLACEMENT 85

MULTI-TOOLS 87

88 MTX3iR
89 MTX8iR
90 MTX8i
91 MT20i | MT6A | MT7A
92 Replacement Tools



SPECIALS 93

94 QuickTap™ Tapping Tool C-Station
95 QuickTap™ Tapping Tool D-Station
96 Coining Tools
97 Card Guide
98 Emboss
99 Extrusion
100 Hinge Tools
101 Progressive Rib
102 Rollover Tool
103 Bridge Lance and Form
104 EKOs
105 Half Shear | Rooftop Half Shear
106 Scratch Tool
107 Lance and Forms
108 Louvers
109 Progressive Louvers
110 Thread Form
111 Thread Loop
112 Cluster Tools
113 ID-Stamp
114 Letter Stamp
115 Multi-Scribe
116 Stamping
117 Rolling Deburr
118 High Forming Tools
119 Opti-Bend®
120 Zip-Tech
121 Wilson Wheel® Family
122 Light Spring Unit
123 E-Z Punch Head
124 Special Shapes
131 4-Way Radius Tools | Inverted Diamond

ACCESSORIES 132

132 Hand Tools
134 Digital Measuring Equipment
134 Zip-Mar Discs
135 Alignment Tools
135 Ball Riding / Brush Die
136 Tool Storage
136 Shear Grinding Fixture
137 XSharp™ Grinder
138 Tool Maintenance
139 Lubricants
140 Die Shims
140 Slug Ejectors
141 Adapters

REFERENCE 142

142 Shear Options
143 Standard Shapes & Keying Locations
144 Non-Standard Keying
144 Die Clearance
145 Non-Standard Add-Ons

Prices and product availability are subject to change without notice.

THE WILSON TOOL DIFFERENCE



COMPANY OVERVIEW

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

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

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

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

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

Sincerely,
Brian Robinson
CEO of Wilson Tool Enterprises

PUNCHING

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

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



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



BENDING

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

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

STAMPING

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

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



TABLETING

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

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



ACCESSORIES

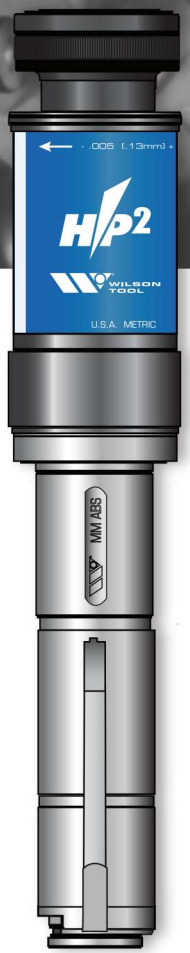
Whether you need tooling storage systems, grinders, urethane rolls, hand tools or other types of related supplies, our accessory products offer a wide range of solutions to help you be more productive, organized and efficient.

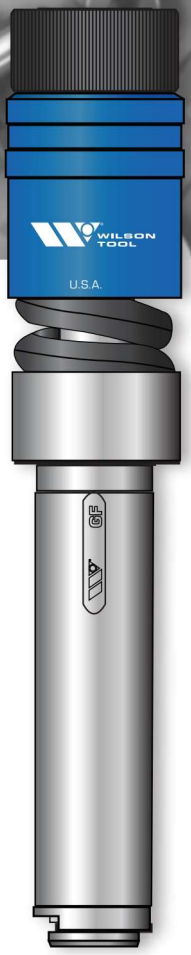


WILSON THICK TURRET TOOLING









HPX

HP2

basix

US Headquarters tel: 800.328.9646
punching@wilsontool.com
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Mexico tel: 001.800.741.2510
punzonado@wilsontool.com

WILSON THICK TURRET TOOLING

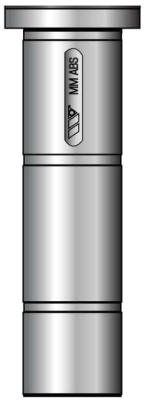


WILSON STYLE TOOLING SOLUTIONS

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 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	●		



PUNCH AND GUIDE ASSEMBLY



GUIDE



EXP PUNCH



STRIPPER



DIE

SHIM

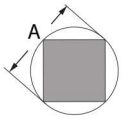
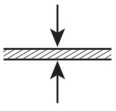
PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14026	
Shape	14012	
Optima® Coating		
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**
Assembly only *-Punch and stripper purchased separately.*	14027	
GUIDE	**CAT. NO.**	**PRICE**
Round	13073	
Shape 0°	13074	
Shape 0° & 45°	13075	
Shape 0° & 90°	13076	
PUNCH	**CAT. 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® 2*	12959	
Shape Positive	1817	
Shape Negative	1818	

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

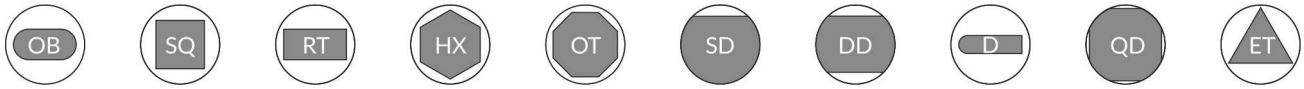
DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2208	
.030 [0.76mm]	pack of 25	2722	
.060 [1.5mm]	pack of 25	2172	

Additional charges may apply to non-standard features. See page 145.

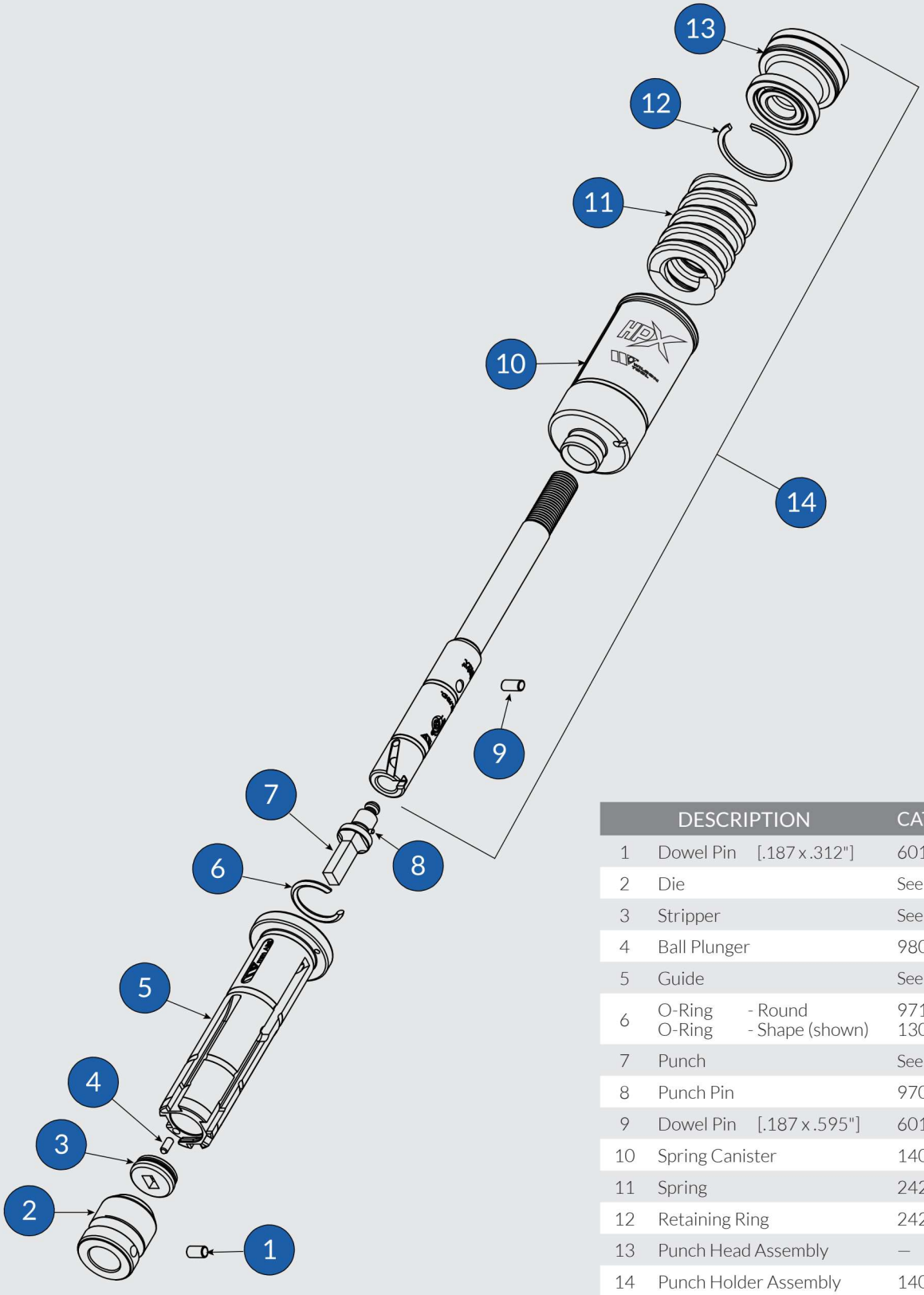
See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	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.	.500" [12.7mm] 	.150" [3.81mm] 	• Compatible with ABS and non-ABS machines. • Ultima tool steel is standard in EXP punches. • Ultima tool steel is available for dies.

STANDARD SHAPES



US Headquarters tel: 800.328.9646 punching@wilsontool.com
Canada tel: 800.268.5573 punchingcanada@wilsontool.com
Mexico tel: 001.800.741.2510 punzonado@wilsontool.com



	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .312"]	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	O-Ring - Round O-Ring - Shape (shown)	971303 13069
7	Punch	See Opposite Page
8	Punch Pin	970442
9	Dowel Pin [.187 x .595"]	6015
10	Spring Canister	14015
11	Spring	24291
12	Retaining Ring	24290
13	Punch Head Assembly	—
14	Punch Holder Assembly	14014



PUNCH AND GUIDE ASSEMBLY



GUIDE



EXP® PUNCH



STRIPPER



DIE

SHIM

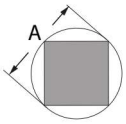
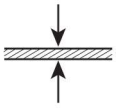
PUNCH AND GUIDE ASSEMBLY		CAT. NO.	PRICE
Round		14029	
Shape		14018	
Optima® Coating			
GUIDE ASSEMBLY		**CAT. NO.**	**PRICE**
Assembly only	0° & 90°	14030	
Assembly only	0° & 45°	14599	
Assembly only	0°, 90°, 180° & 270°	14600	
-Punch and stripper purchased separately			
GUIDE		**CAT. NO.**	**PRICE**
Round		13097	
Shape	0°	13098	
Shape	0° & 45°	13099	
Shape	0° & 90° *(Option add 180° & 270°)*	13100	
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® 2*		12961	
Shape Positive		2025	
Shape Negative		2026	

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

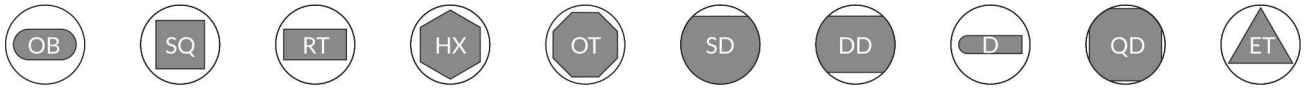
DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2209	
.030 [0.76mm]	pack of 25	2724	
.060 [1.5mm]	pack of 25	2173	

Additional charges may apply to non-standard features. See page 145.

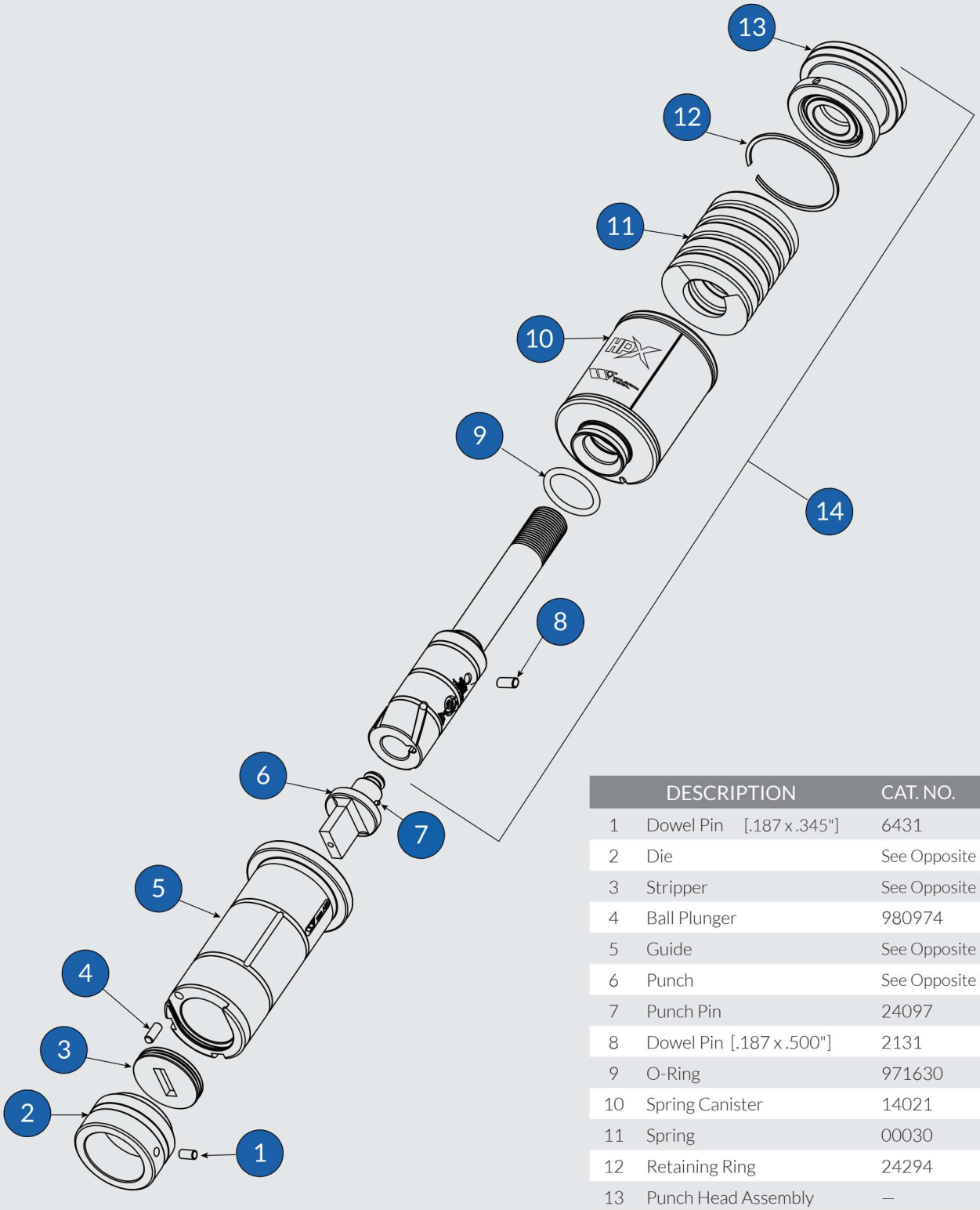
See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	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.	1.250" [31.8mm] 	.250" [6.35mm] 	• Compatible with ABS and non-ABS machines. • Ultima tool steel is standard in EXP punches. • Ultima tool steel is available for dies

STANDARD SHAPES



US Headquarters tel: 800.328.9646 punching@wilsontool.com
Canada tel: 800.268.5573 punchingcanada@wilsontool.com
Mexico tel: 001.800.741.2510 punzonado@wilsontool.com



	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .345"]	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Punch Pin	24097
8	Dowel Pin [.187 x .500"]	2131
9	O-Ring	971630
10	Spring Canister	14021
11	Spring	00030
12	Retaining Ring	24294
13	Punch Head Assembly	—
14	Punch Holder Assembly	14020









HP PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	13974	
Shape	13975	

HP ABS PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	13976	
Shape	13906	

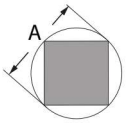
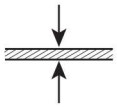
STANDARD PUNCH HOLDER		
Compatible with Wilson Basix Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	13977	
Shape	13947	

ULTRA PUNCH HOLDER		
Compatible with Ultra Punch and Guide Assemblies		
	CAT. NO.	PRICE
Ultra	15535	

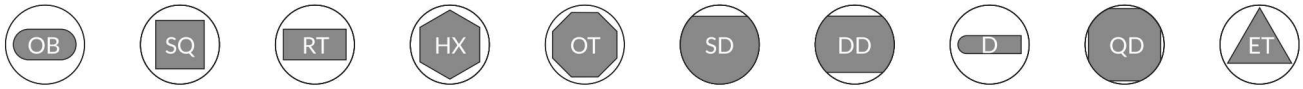


EXP® PUNCH		
Compatible with all punch holders above		
EXP PUNCH	CAT. NO.	PRICE
Round	13904	
Shape	13905	
Optima® Coating		

See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	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.	.500" [12.7mm] 	.150" [3.81mm] 	Additional charges may apply to non-standard features. See page 145.

STANDARD SHAPES



US Headquarters tel: 800.328.9646 punching@wilsontool.com
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Mexico tel: 001.800.741.2510 punzonado@wilsontool.com









HP PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	13988	
Shape	13989	

HP ABS PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	13990	
Shape	13918	

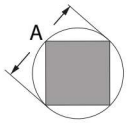
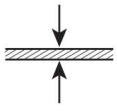
STANDARD PUNCH HOLDER		
Compatible with Wilson Basix Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	13991	
Shape	13972	

ULTRA PUNCH HOLDER		
Compatible with Ultra Punch and Guide Assemblies		
	CAT. NO.	PRICE
Ultra	15537	

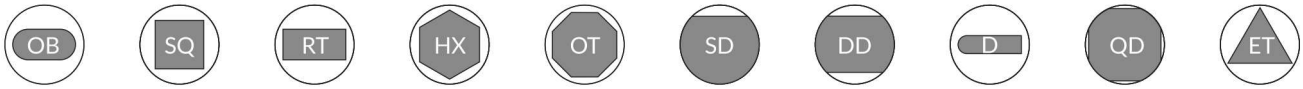


EXP® PUNCH		
Compatible with all punch holders above		
EXP PUNCH	CAT. NO.	PRICE
Round	13916	
Shape	13917	
Optima® Coating		

See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	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 punches are Ultima® tool steel.	1.250" [31.8mm] 	.250" [6.35mm] 	Additional charges may apply to non-standard features. See page 145.

STANDARD SHAPES



HP2 AND HP A STATION



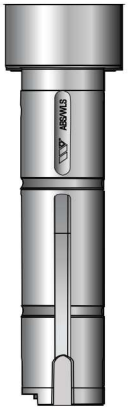
HP2 PUNCH AND GUIDE ASSEMBLY



HP SPRING PACK ASSEMBLY



PUNCH *(ABS shown)*



GUIDE



STRIPPER



DIE

SHIM

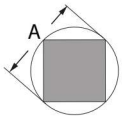
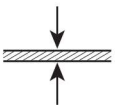
HP2 PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	ABS PRICE
Round	13767		13770	
Shape	13769		13772	
Optima® Coating				
Spring Pack Assembly	14150		14150	
HP PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	12781		12793	
Shape	13137		13146	
Optima® Coating				
Spring Pack Assembly	2747		2747	
PUNCH *(ABS shown)*	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2405		2385	
Shape	2406		2389	
Optima® Coating				
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2821		2835	
Shape 0°	2822		2836	
Shape 0° & 45°	2903		2907	
Shape 0° & 90° *(Option add 180° & 270°)*	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® 2*	12959	
Shape Positive	1817	
Shape Negative	1818	

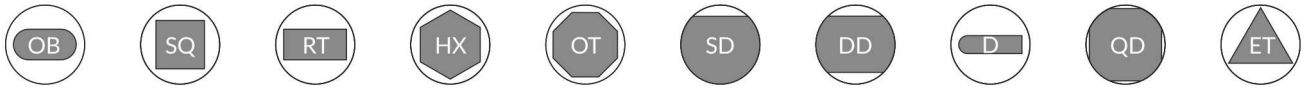
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2208	
.030 [0.76mm]	pack of 25	2722	
.060 [1.5mm]	pack of 25	2172	

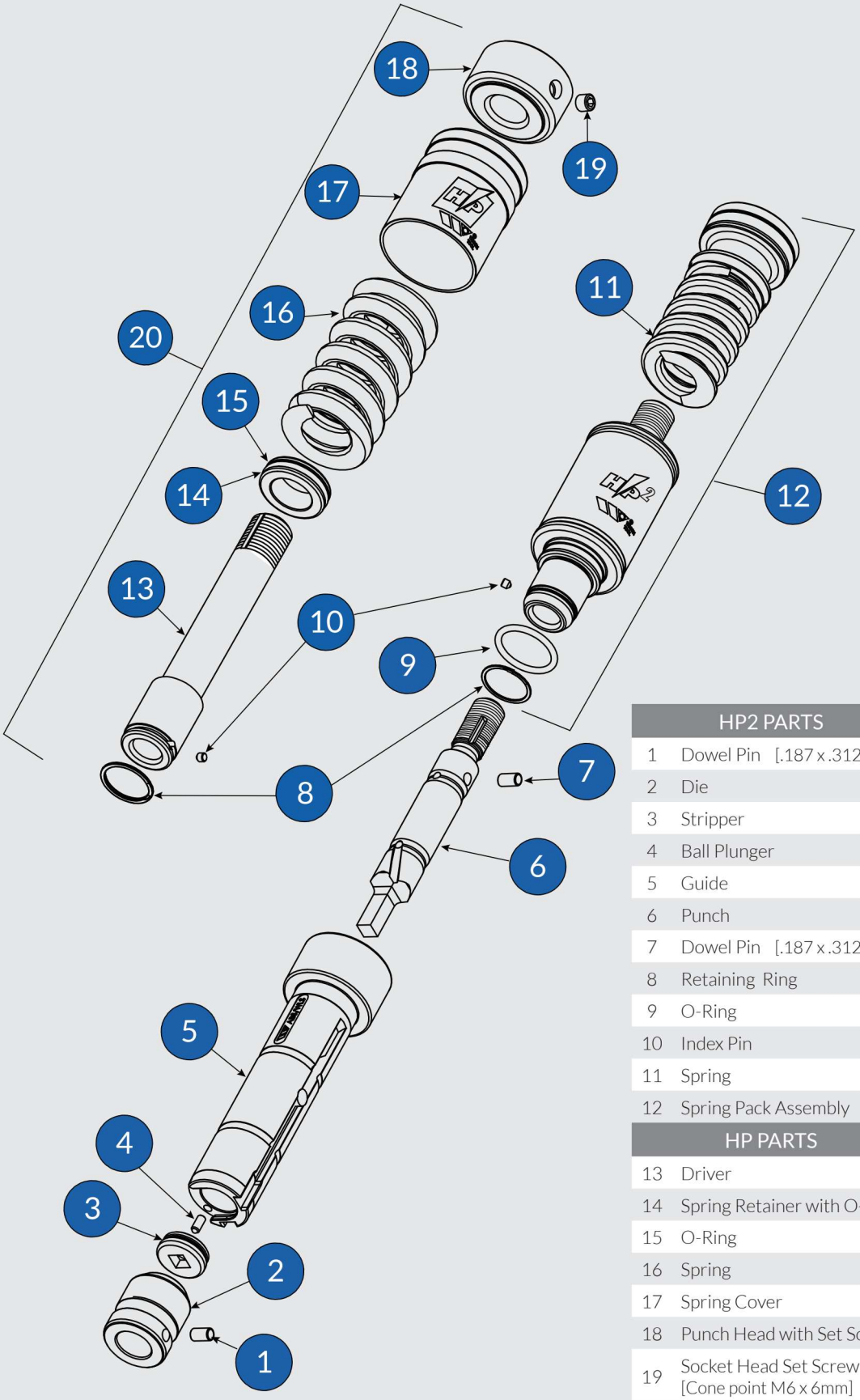
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	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.	.500" [12.7mm] 	.150" [3.81mm] 	HP punches and dies are available in Ultima tool steel upon request.

STANDARD SHAPES



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	HP2 PARTS	CAT. NO.
1	Dowel Pin [.187 x .312"]	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin [.187 x .312"]	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 6mm]	6297
20	Spring Pack Assembly	2747



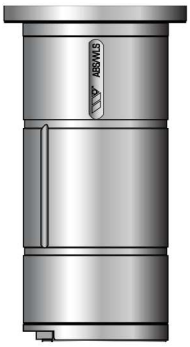
HP2 PUNCH AND GUIDE ASSEMBLY



HP SPRING PACK ASSEMBLY



PUNCH *(ABS shown)*



GUIDE



STRIPPER



DIE

SHIM

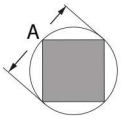
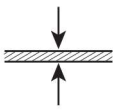
HP2 PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	ABS PRICE
Round	13779		13782	
Shape	13781		13784	
Optima® Coating				
Spring Pack Assembly	14149		14149	
HP PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	12827		12831	
Shape	13167		13170	
Optima® Coating				
Spring Pack Assembly	2749		2749	
PUNCH *(ABS shown)*	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2407		2398	
Shape	2408		2399	
Optima® Coating				
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2859		2881	
Shape 0°	2860		2882	
Shape 0° & 45°	2861		2883	
Shape 0° & 90° *(Option add 180° & 270°)*	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® 2*	12961	
Shape Positive	2025	
Shape Negative	2026	

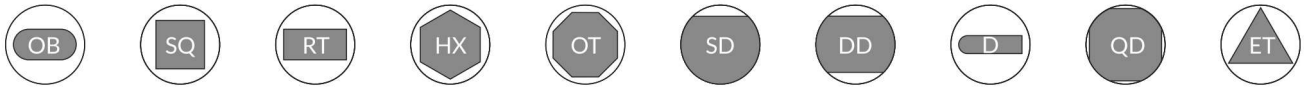
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2209	
.030 [0.76mm]	pack of 25	2724	
.060 [1.5mm]	pack of 25	2173	

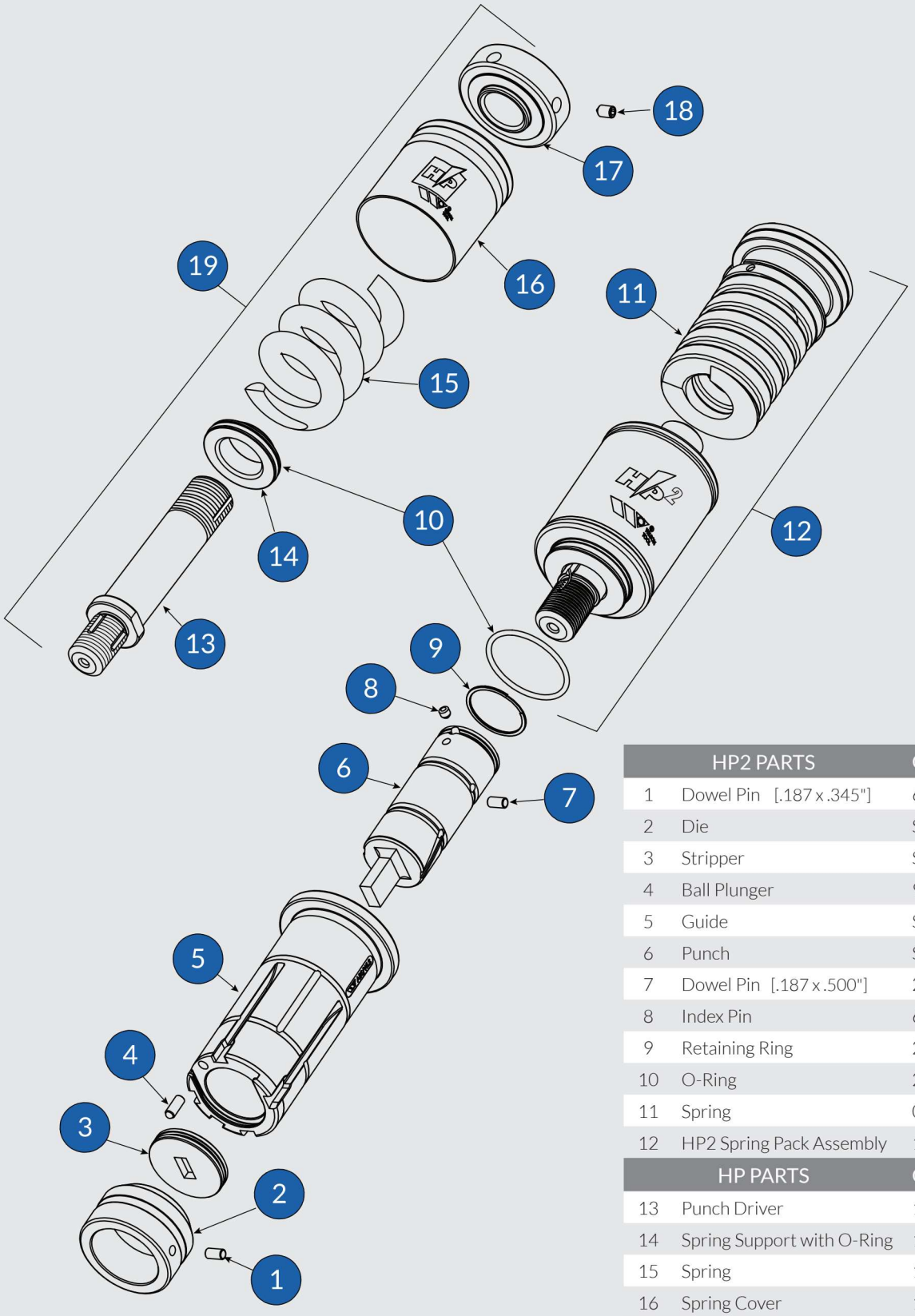
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	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.	1.250" [31.8mm] 	.250" [6.35mm] 	HP punches and dies are available in Ultima tool steel upon request.

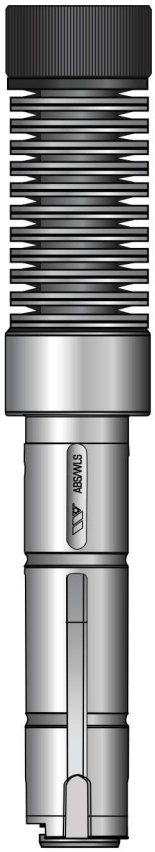
STANDARD SHAPES



HP2 AND HP B STATION REPLACEMENT PARTS



	HP2 PARTS	CAT. NO.
1	Dowel Pin [.187 x .345"]	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin [.187 x .500"]	2131
8	Index Pin	6874
9	Retaining Ring	2803
10	O-Ring	2283
11	Spring	00030
12	HP2 Spring Pack Assembly	14149
	HP PARTS	**CAT. NO.**
13	Punch Driver	13556
14	Spring Support with O-Ring	1824
15	Spring	1953
16	Spring Cover	13053
17	Punch Head with Set Screw	2781
18	Socket Head Set Screw [Cone point M6 x 10mm]	6206
19	HP Spring Pack Assembly	2749



PUNCH AND GUIDE ASSEMBLY



PUNCH *(ABS shown)*

GUIDE

STRIPPER

DIE

SHIM

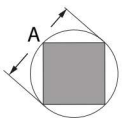
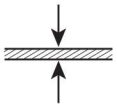
HP PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	ABS PRICE
Round	12857		12861	
Shape	13182		13185	
Optima® Coating				
PUNCH *(ABS shown)*	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2405		2385	
Shape	2406		2389	
Optima® Coating				
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2821		2835	
Shape 0°	2822		2836	
Shape 0° & 45°	2903		2907	
Shape 0° & 90° *(Option add 180° & 270°)*	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® 2*	12959	
Shape Positive	1817	
Shape Negative	1818	

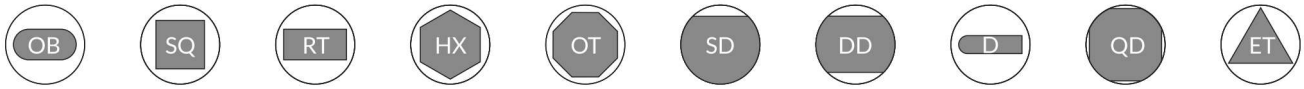
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2208	
.030 [0.76mm]	pack of 25	2722	
.060 [1.5mm]	pack of 25	2172	

Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP heavy duty tooling assemblies are designed to deliver the best performance when punching thicker materials up to .250" [6.35mm].	.500" [12.7mm] 	.250" [6.35mm] 	HP punches and dies are available in Ultima tool steel upon request.

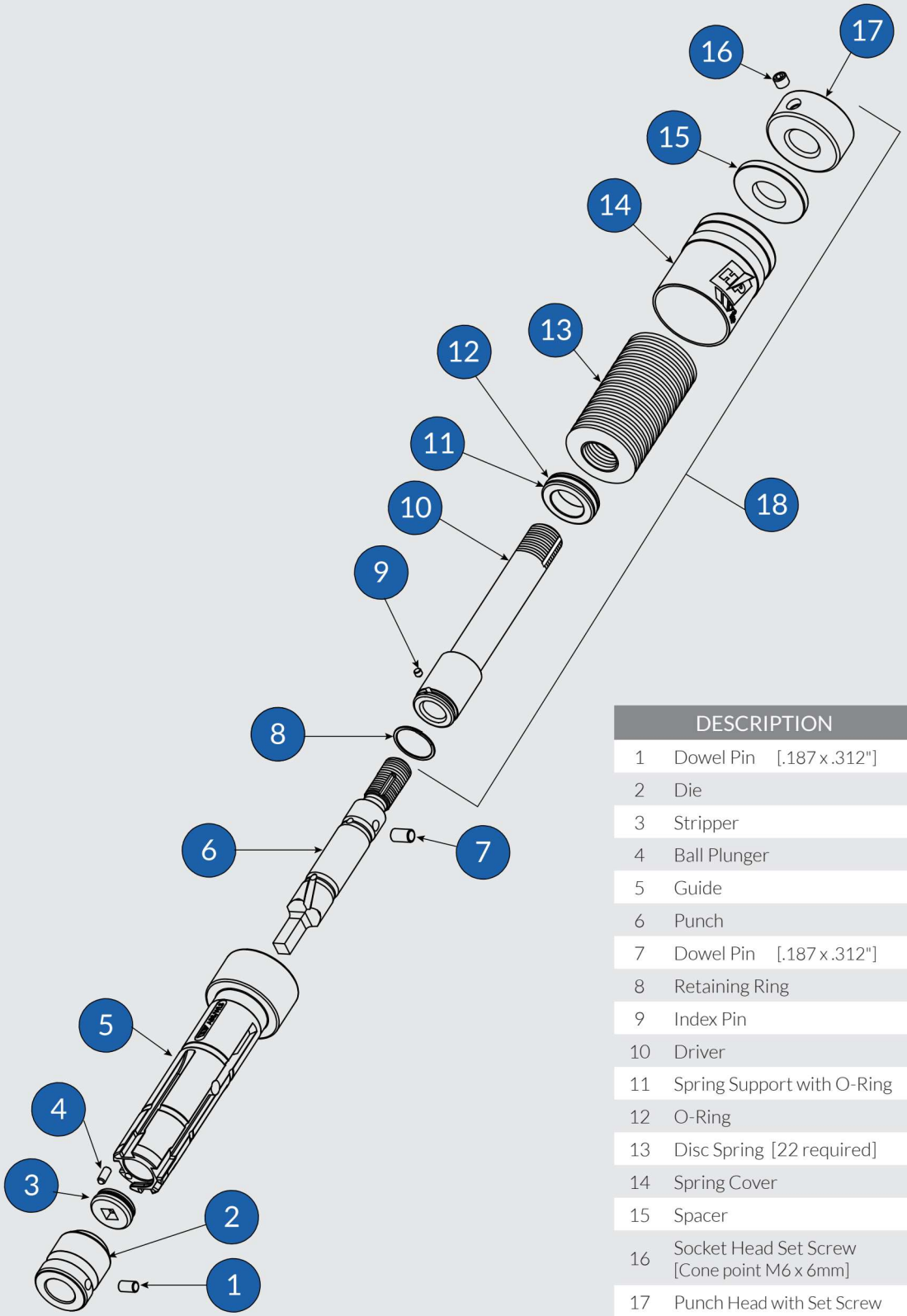
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punzonado@wilsontool.com



	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .312"]	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin [.187 x .312"]	6013
8	Retaining Ring	6853
9	Index Pin	6873
10	Driver	2388
11	Spring Support with O-Ring	2295
12	O-Ring	2282
13	Disc Spring [22 required]	2297
14	Spring Cover	13052
15	Spacer	2296
16	Socket Head Set Screw [Cone point M6 x 6mm]	6297
17	Punch Head with Set Screw	2788
18	Spring Pack Assembly	2477



PUNCH AND GUIDE ASSEMBLY



PUNCH *(ABS shown)*



GUIDE



STRIPPER



DIE

SHIM

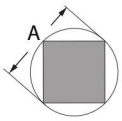
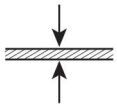
HP PUNCH AND GUIDE ASSEMBLY	CAT. NO	PRICE	ABS CAT. NO.	ABS PRICE
Round	12873		12877	
Shape	13194		13197	
Optima® Coating				
PUNCH *(ABS shown)*	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2407		2398	
Shape	2408		2399	
Optima® Coating				
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2859		2881	
Shape 0°	2860		2882	
Shape 0° & 45°	2861		2883	
Shape 0° & 90° *(Option add 180° & 270°)*	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® 2*	12961	
Shape Positive	2025	
Shape Negative	2026	

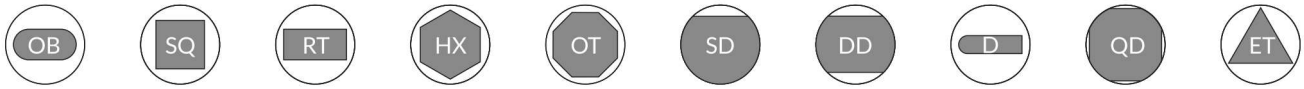
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

DIE SHIM		CAT. NO	PRICE
.010 [0.25mm]	pack of 25	2209	
.030 [0.76mm]	pack of 25	2724	
.060 [1.5mm]	pack of 25	2173	

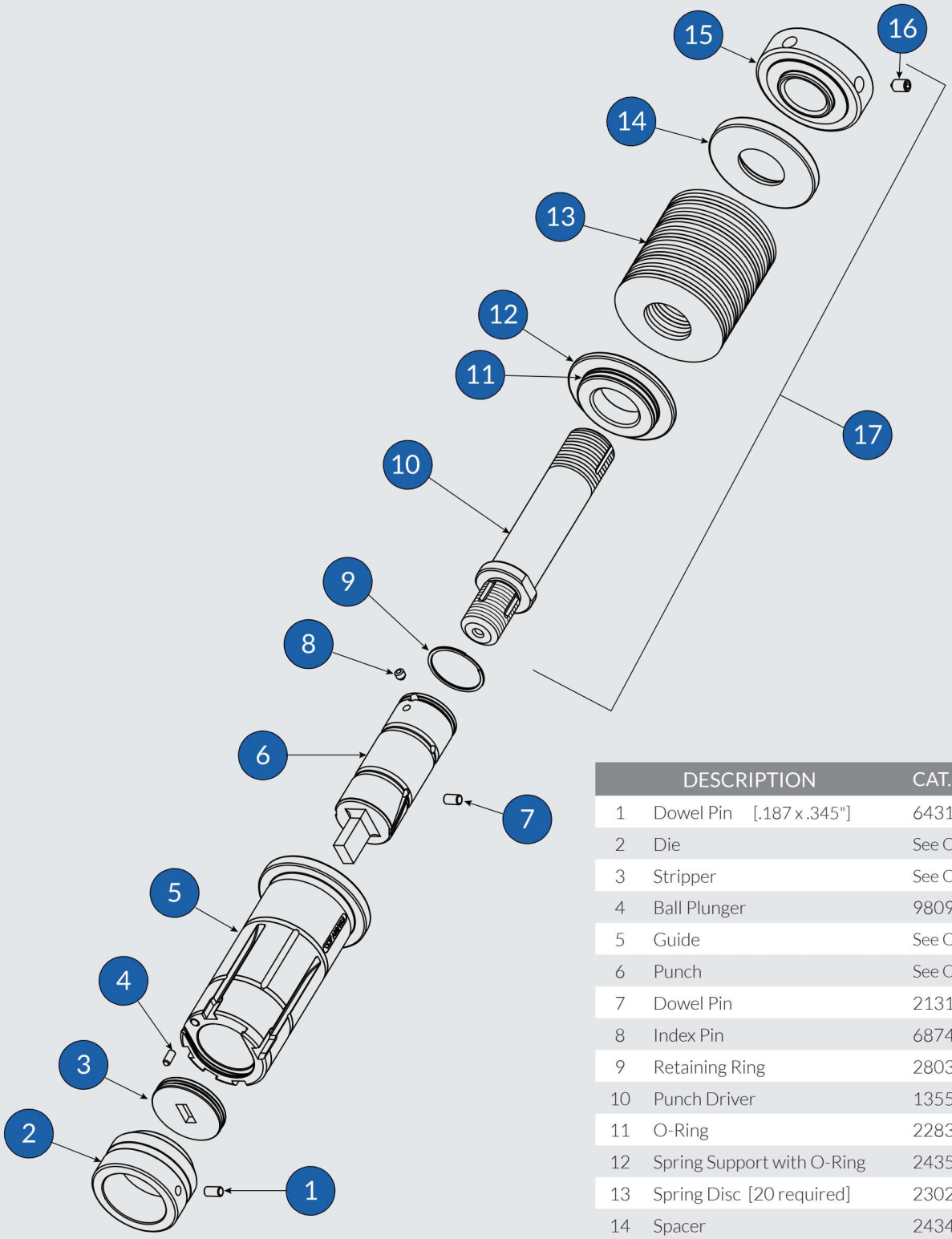
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP heavy duty tooling assemblies are designed to deliver the best performance when punching thicker materials up to .312" [7.93mm].	1.250" [31.8mm] 	.312" [7.93mm] 	HP punches and dies are available in Ultima tool steel upon request.

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	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .345"]	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
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 10mm]	6206
17	Spring Pack Assembly	2478



PUNCH AND GUIDE ASSEMBLY



PUNCH

GUIDE

STRIPPER

DIE

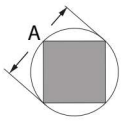
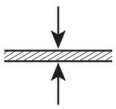
SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	13453	
Shape	13455	
Optima® Coating		
PUNCH	**CAT. NO.**	**PRICE**
Round	1807	
Shape	1816	
Optima® Coating		
GUIDE	**CAT. NO.**	**PRICE**
Round	2821	
Shape 0°	2822	
Shape 0° & 45°	2903	
Shape 0° & 90° *(Option add 180° & 270°)*	2904	
STRIPPER	**CAT. NO.**	**PRICE**
Round	13044	
Shape	13143	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2192	
Round Standard	1808	
Shape Slug Hugger® 2*	12959	
Shape Positive	1817	
Shape Negative	1818	

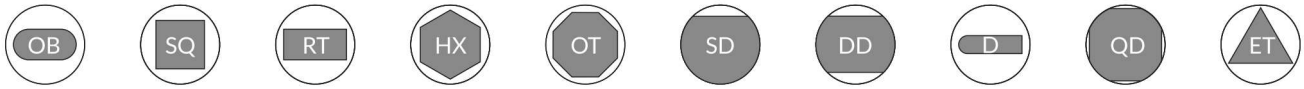
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

PUNCH SHIM		CAT. NO.	PRICE
.060 [1.5mm]	pack of 25	2167	
DIE SHIM		**CAT. NO.**	**PRICE**
.010 [0.25mm]	pack of 25	2208	
.030 [0.76mm]	pack of 25	2722	
.060 [1.5mm]	pack of 25	2172	

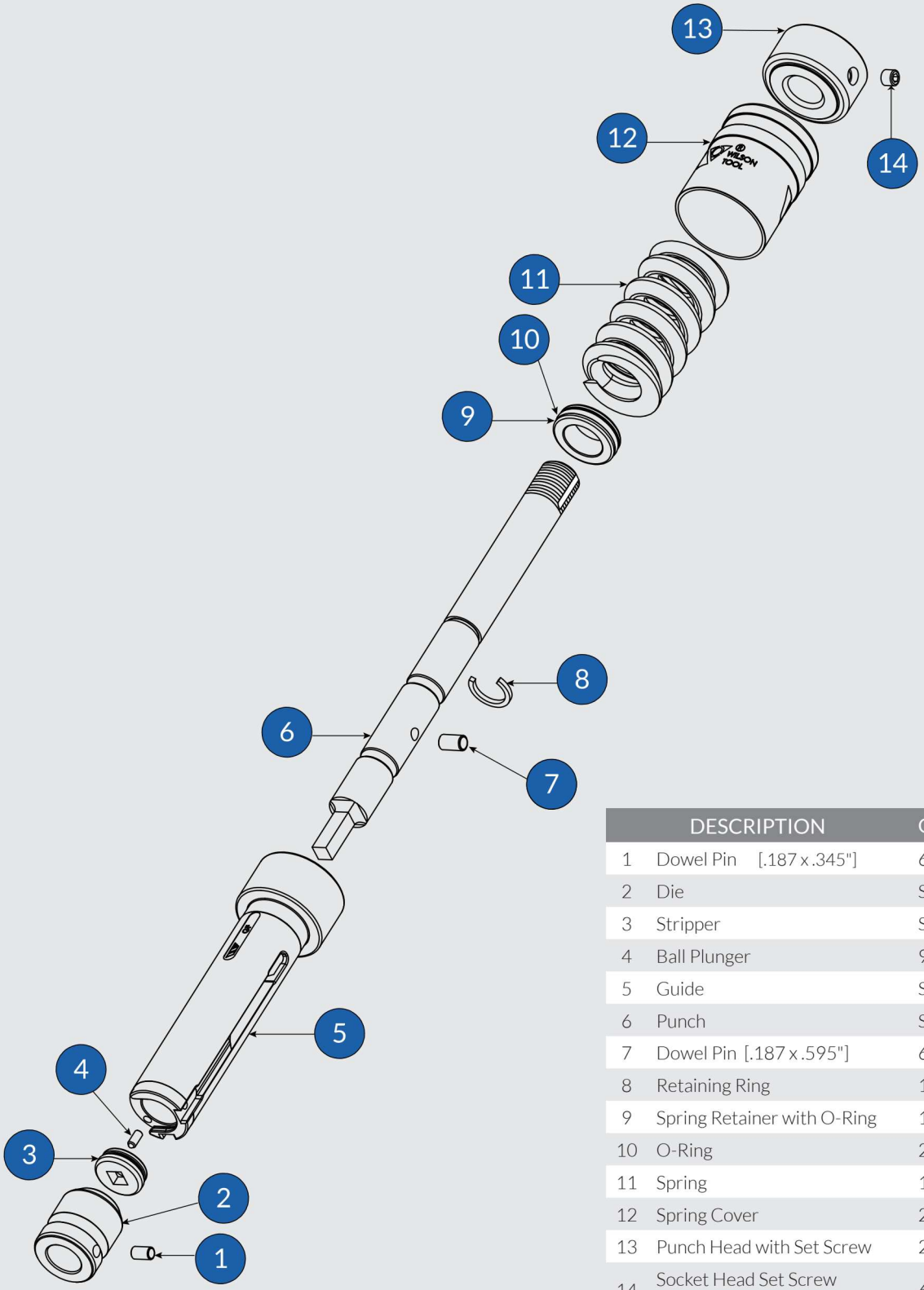
Additional charges may apply to non-standard features.
See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features.	.500" [12.7mm] 	.150" [3.81mm] 	Dies are available in Ultima tool steel upon request.

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	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .345"]	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin [.187 x .595"]	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 6mm]	6297



PUNCH AND GUIDE ASSEMBLY



PUNCH



GUIDE



STRIPPER



DIE

SHIM

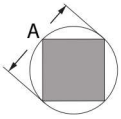
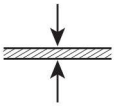
PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	2851	
Shape	2853	
Optima® Coating		
PUNCH	**CAT. NO.**	**PRICE**
Round	1827	
Shape	1839	
Optima® Coating		
GUIDE	**CAT. NO.**	**PRICE**
Round	2859	
Shape 0°	2860	
Shape 0° & 45°	2361	
Shape 0° & 90° (*Option add 180° & 270°*)	2862	
STRIPPER	**CAT. NO.**	**PRICE**
Round	1890	
Shape	1917	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2194	
Round Standard	2021	
Shape Slug Hugger® 2*	12961	
Shape Positive	2025	
Shape Negative	2026	

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

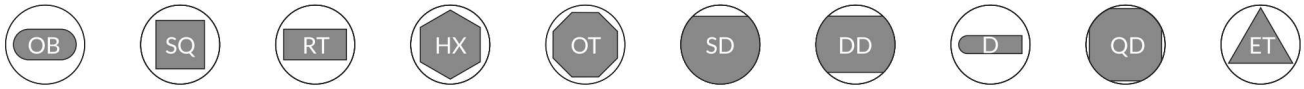
PUNCH SHIM		CAT. NO.	PRICE
.060 [1.5mm]	pack of 25	2168	

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2209	
.030 [0.76mm]	pack of 25	2724	
.060 [1.5mm]	pack of 25	2173	

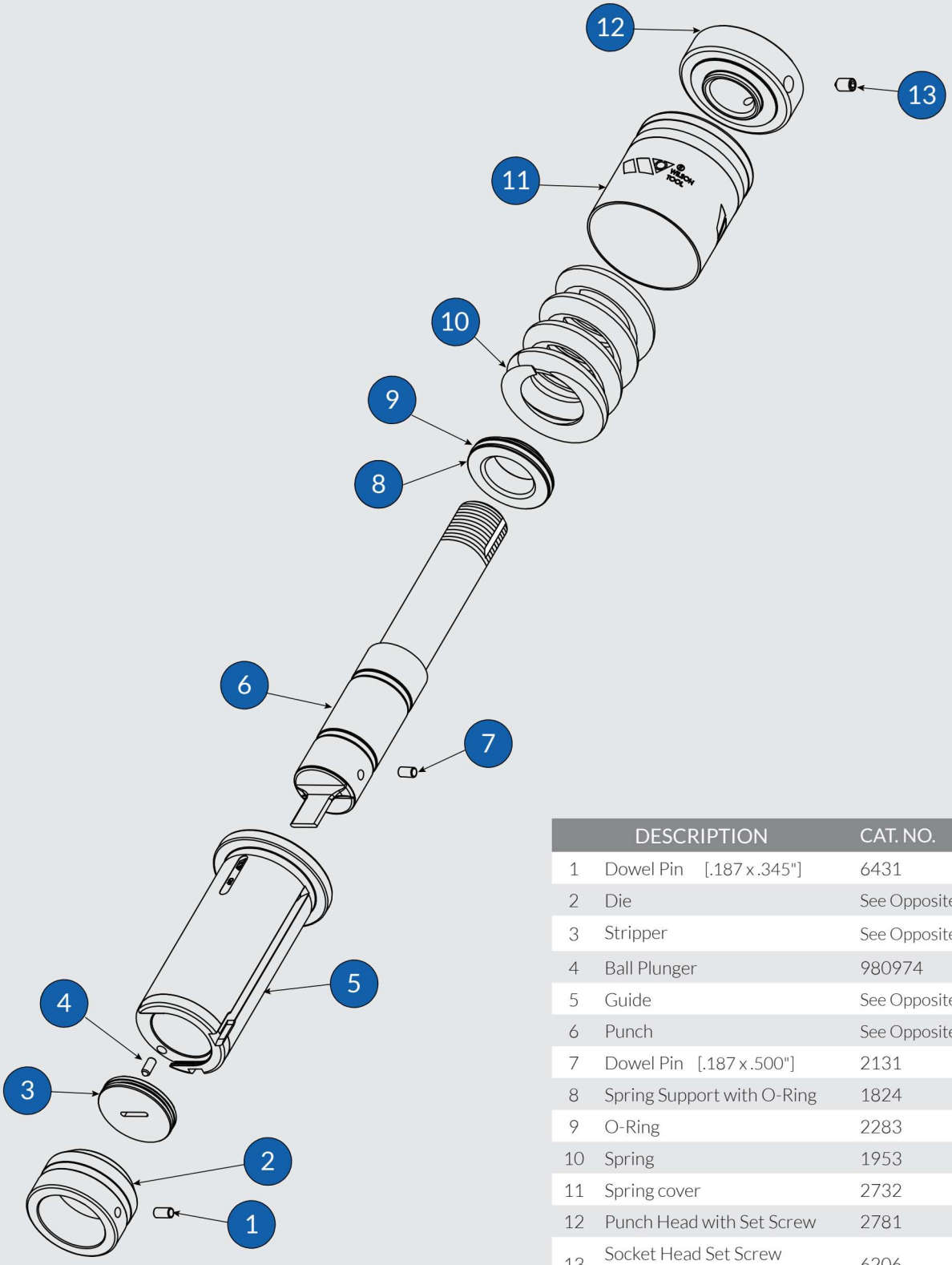
Additional charges may apply to non-standard features.
See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features.	1.250" [31.8mm] 	.250" [6.35mm] 	Dies are available in Ultima tool steel upon request.

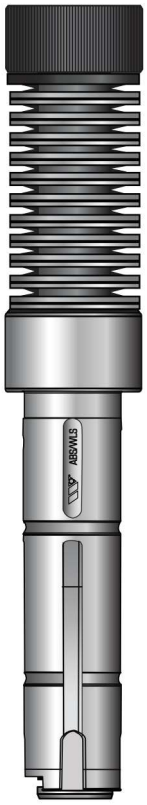
STANDARD SHAPES



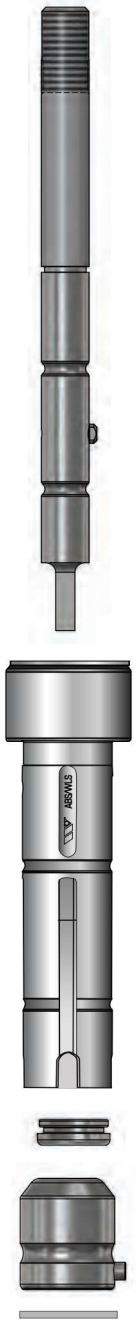
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Mexico tel: 001.800.741.2510 punzonado@wilsontool.com



	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .345"]	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin [.187 x .500"]	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 10mm]	6206



PUNCH AND GUIDE ASSEMBLY



PUNCH

GUIDE

STRIPPER

DIE

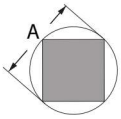
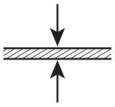
SHIM

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° *(Option add 180° & 270°)*	2904	
STRIPPER	**CAT. NO.**	**PRICE**
Round	13044	
Shape	13143	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2192	
Round Standard	1808	
Shape Slug Hugger® 2*	12959	
Shape Positive	1817	
Shape Negative	1818	

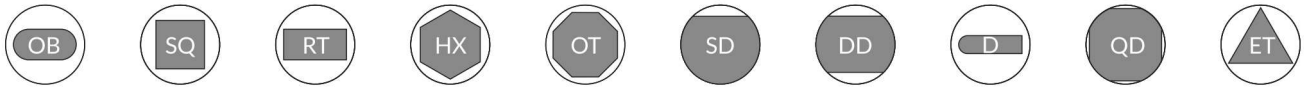
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

PUNCH SHIM		CAT. NO.	PRICE
.060 [1.5mm]	pack of 25	2167	
DIE SHIM		**CAT. NO.**	**PRICE**
.010 [0.25mm]	pack of 25	2208	
.030 [0.76mm]	pack of 25	2722	
.060 [1.5mm]	pack of 25	2172	

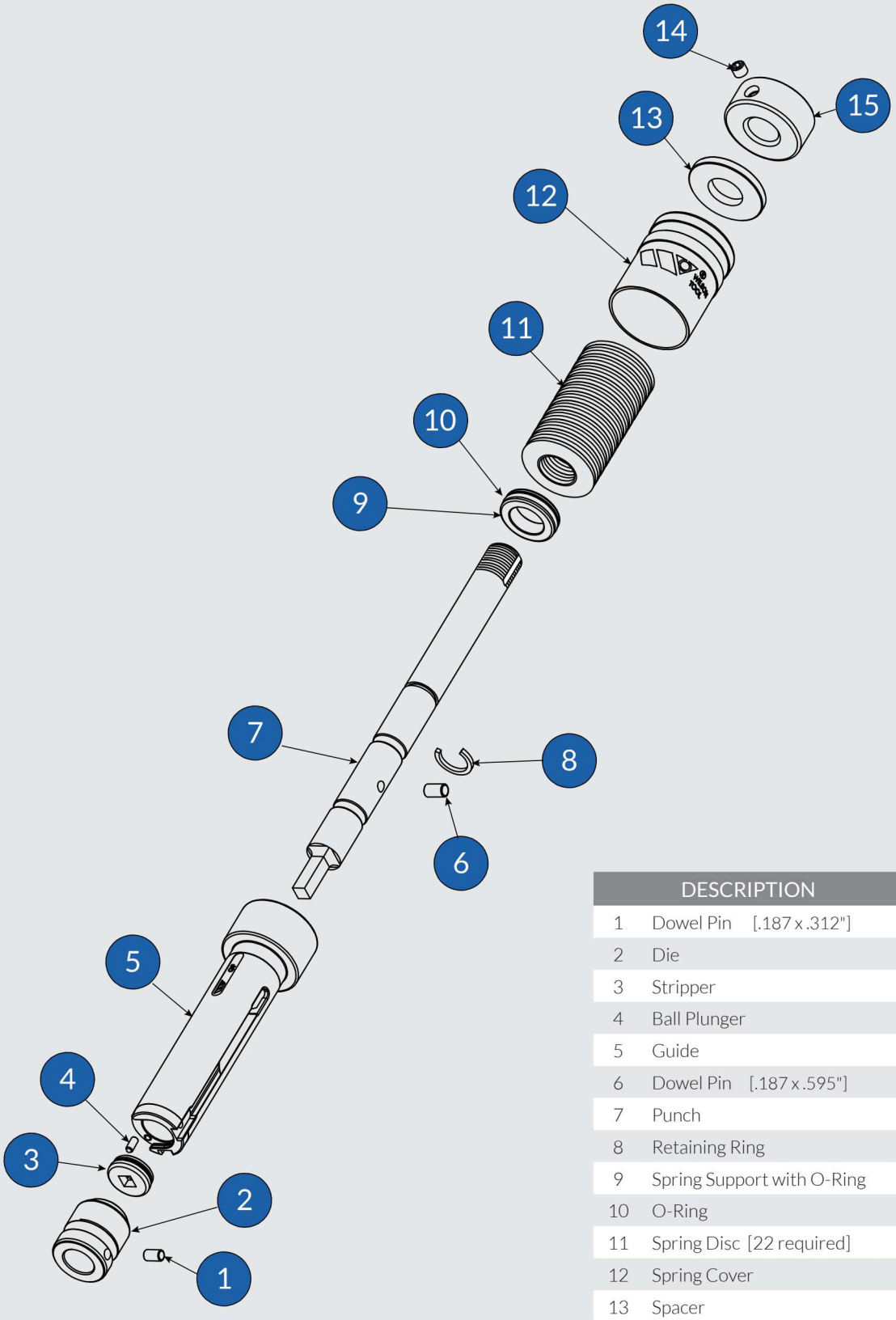
Additional charges may apply to non-standard features.
See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix heavy duty assemblies are designed to deliver the best performance when punching thicker materials up to .250" [6.35mm].	.500" [12.7mm] 	.250" [6.35mm] 	Dies are available in Ultima tool steel upon request.

STANDARD SHAPES



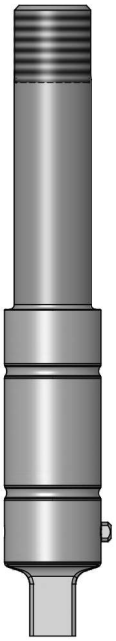
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	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .312"]	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	Dowel Pin [.187 x .595"]	6015
7	Punch	See Opposite Page
8	Retaining Ring	1805
9	Spring Support 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 6mm]	6297
15	Punch Head with Set Screw	2788

BASIX B STATION HEAVY DUTY





PUNCH



GUIDE



STRIPPER



DIE

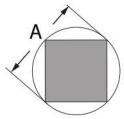
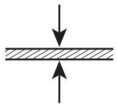
SHIM

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° *(Option add 180° & 270°)*	2862	
STRIPPER	**CAT. NO.**	**PRICE**
Round	1890	
Shape	1917	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2194	
Round Standard	2021	
Shape Slug Hugger® 2*	12961	
Shape Positive	2025	
Shape Negative	2026	

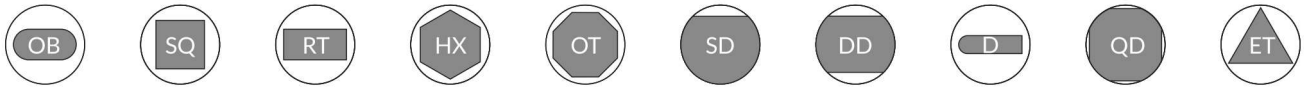
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

PUNCH SHIM		CAT. NO.	PRICE
.060 [1.5mm]	pack of 25	2168	
DIE SHIM		**CAT. NO.**	**PRICE**
.010 [0.25mm]	pack of 25	2209	
.030 [0.76mm]	pack of 25	2724	
.060 [1.5mm]	pack of 25	2173	

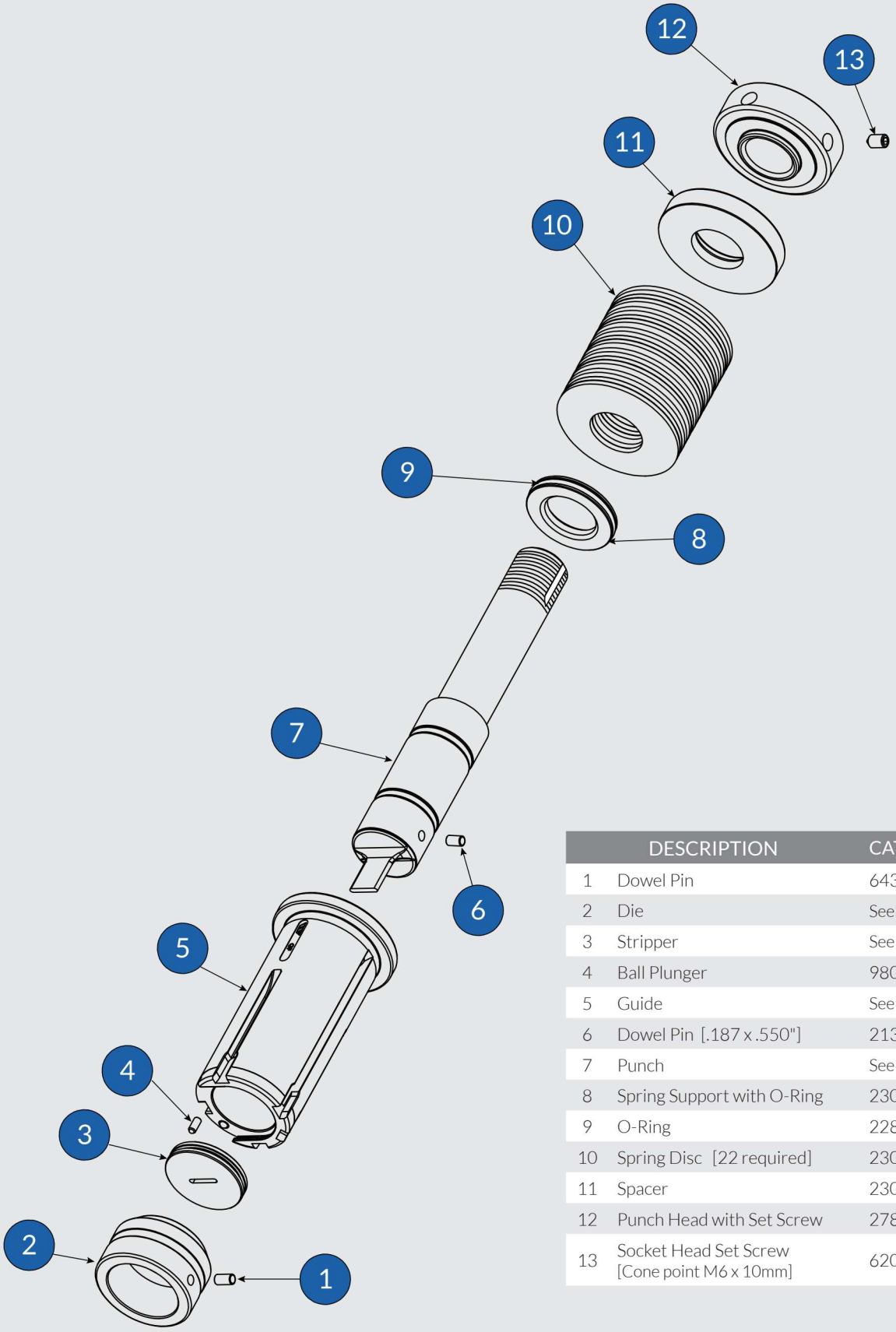
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix heavy duty assemblies are designed to deliver the best performance when punching thicker materials up to .312" [7.93mm].	1.250" [31.8mm] 	.312" [7.93mm] 	Dies are available in Ultima tool steel upon request.

STANDARD SHAPES



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	DESCRIPTION	CAT. NO.
1	Dowel Pin	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Dowel Pin [.187 x .550"]	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 10mm]	6206

WILSON THICK TURRET TOOLING



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WILSON THICK TURRET TOOLING



WILSON STYLE TOOLING SOLUTIONS

LARGE STATION ADVANTAGES
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 machine lubrication capability
External keyways at 0°, 90°, and 135°
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225° and 270°
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

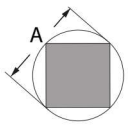
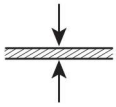
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	5552	
ABS /WLS Assembly	5508	
PUNCH	**CAT. NO.**	**PRICE**
Round	5026	
Shape	5025	
Optima® Coating		
HEAVY DUTY PUNCH	**CAT. NO.**	**PRICE**
Round .500-1.250 [12.7 - 31.75mm]	5117	
Round 1.251 - 1.625 [31.77 - 41.27mm]	5120	
Shape .500-1.250 [12.7 - 31.75mm]	5118	
Shape 1.251 - 1.625 [31.77 - 41.27mm]	5119	
STRIPPER	**CAT. NO.**	**PRICE**
Round	1848	
Shape	1854	
Round ABS	5150	
Shape ABS	5151	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2196	
Round Standard	1850	
Shape Slug Hugger® 2*	12964	
Shape Positive	1855	
Shape Negative	1856	

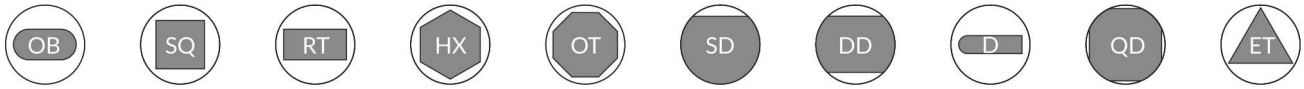
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 10	2210	
.030 [0.76mm]	pack of 10	2726	
.060 [1.5mm]	pack of 10	2174	

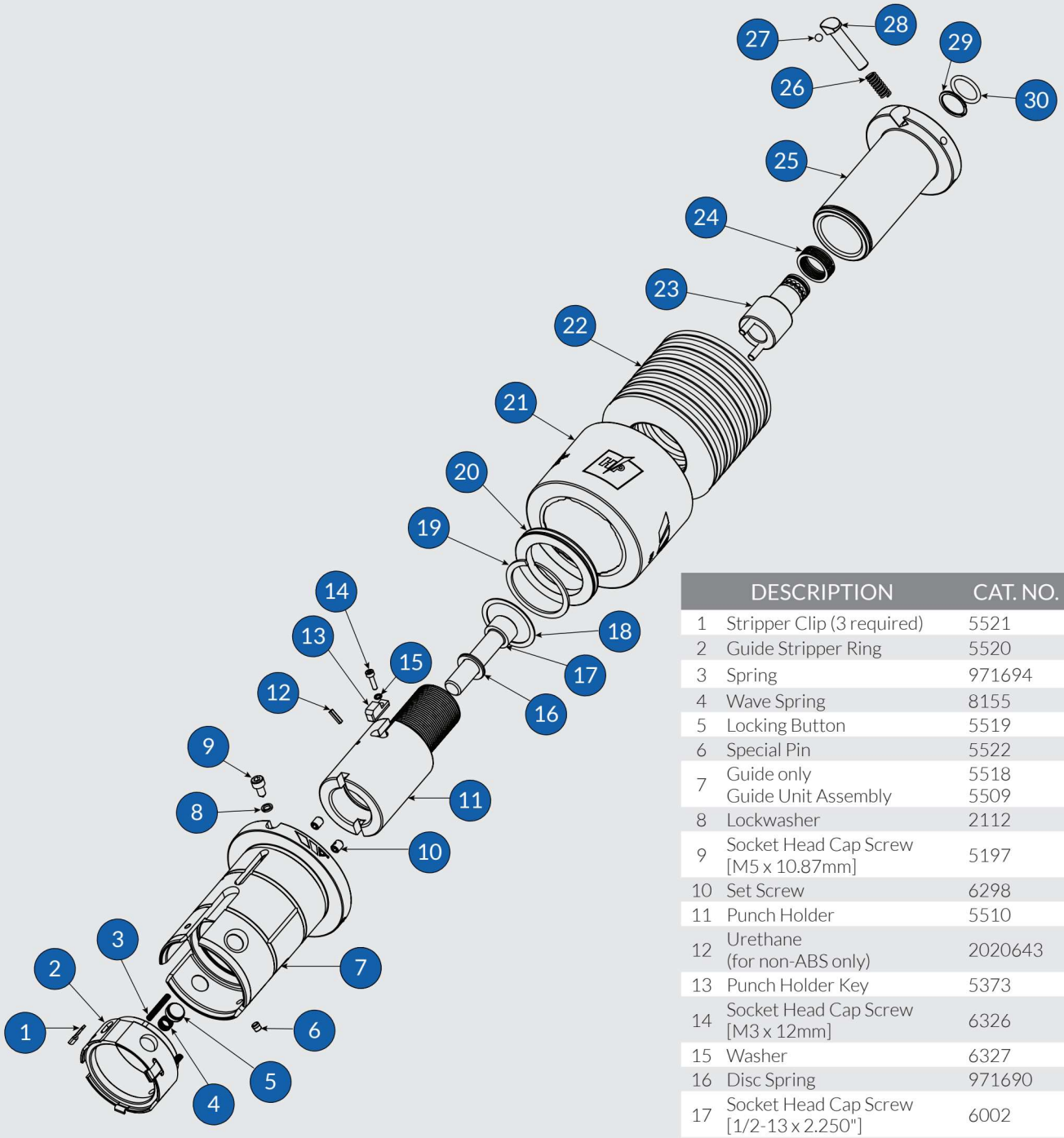
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	MAX A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225°, and 270°.	2.000" [50.8mm] 	.250" [6.35mm] 	• All punches will be shipped with no shear, unless specified. • Use heavy duty punches for material thickness > .250" [6.35mm] or 'A' dimension < 1.250" [31.75mm]. • HP punches and dies are available in Ultima tool steel upon request.

STANDARD SHAPES



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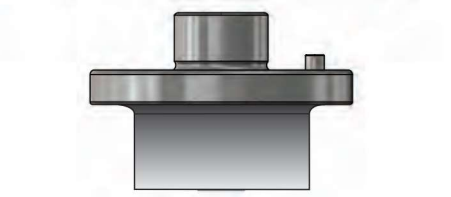
	DESCRIPTION	CAT. NO.
1	Stripper Clip (3 required)	5521
2	Guide Stripper Ring	5520
3	Spring	971694
4	Wave Spring	8155
5	Locking Button	5519
6	Special Pin	5522
7	Guide only Guide Unit Assembly	5518 5509
8	Lockwasher	2112
9	Socket Head Cap Screw [M5 x 10.87mm]	5197
10	Set Screw	6298
11	Punch Holder	5510
12	Urethane (for non-ABS only)	2020643
13	Punch Holder Key	5373
14	Socket Head Cap Screw [M3 x 12mm]	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

Cat. No. 5509 Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 8, & 9

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



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

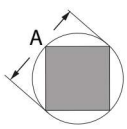
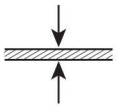
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	5553	
ABS Assembly	5523	
PUNCH	**CAT. NO.**	**PRICE**
Round	5028	
Shape	5027	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1864	
Shape	1869	
Round ABS	5152	
Shape ABS	5153	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2198	
Round Standard	1865	
Shape Slug Hugger® 2*	12965	
Shape Positive	1870	
Shape Negative	1871	

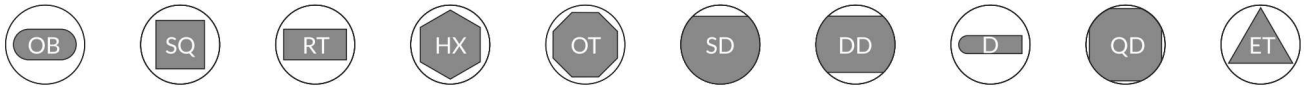
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2211	
.030 [0.76mm]	pack of 5	2728	
.060 [1.5mm]	pack of 5	2175	

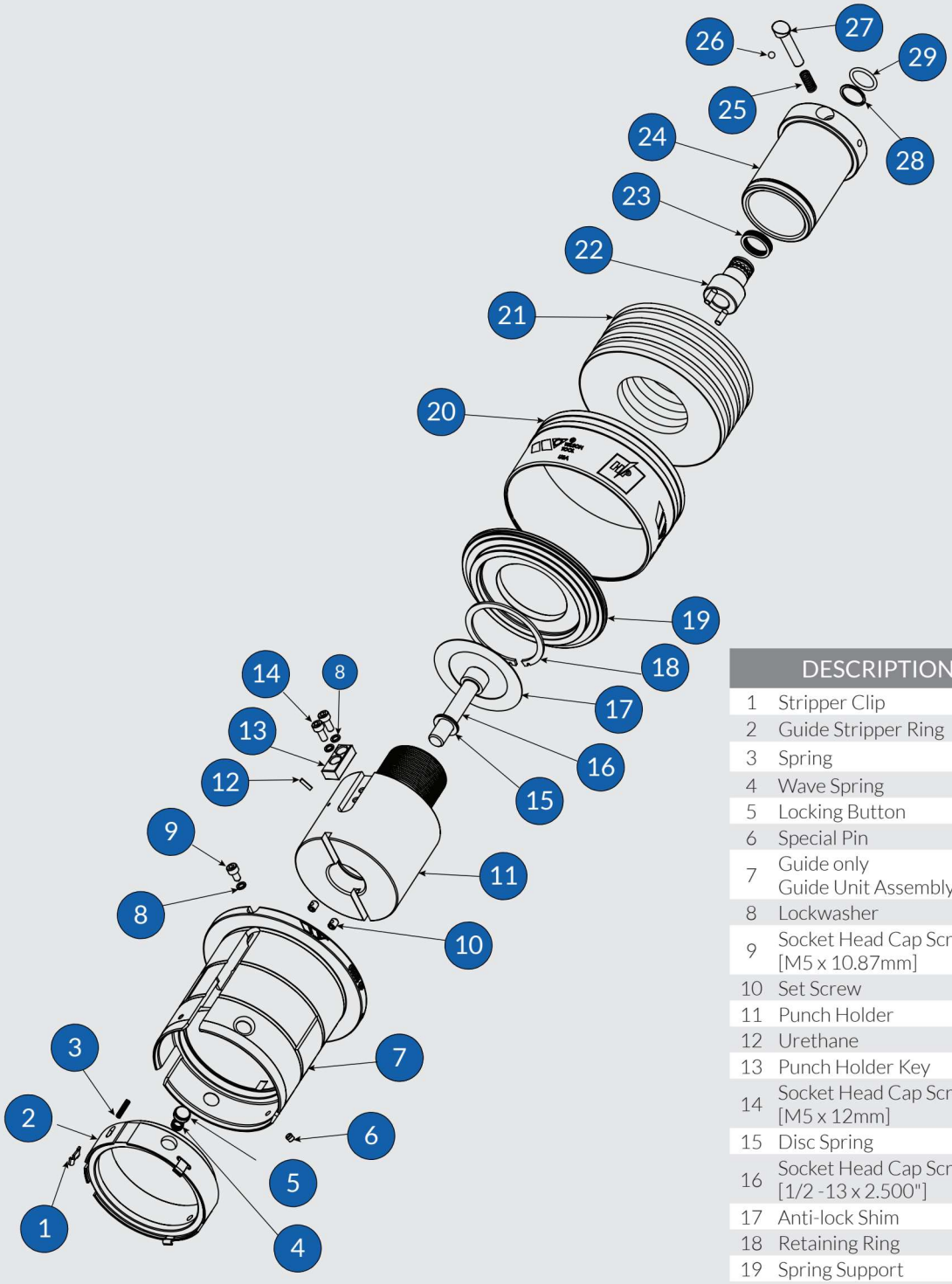
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	MAX A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225°, and 270°.	3.500" [88.9mm] 	.250" [6.35mm] 	• .062" [1.6mm] rooftop shear is given to all punches with 'A' dimension > 2.000" [50.8mm] and width > .250" [6.35mm]. • Ultima® Premium tool steel available for punches and dies.

STANDARD SHAPES



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	DESCRIPTION	CAT. NO.
1	Stripper Clip	5521
2	Guide Stripper Ring	5528
3	Spring	971694
4	Wave Spring	8155
5	Locking Button	5519
6	Special Pin	5522
7	Guide only Guide Unit Assembly	5527 5524
8	Lockwasher	2112
9	Socket Head Cap Screw [M5 x 10.87mm]	5197
10	Set Screw	6298
11	Punch Holder	5525
12	Urethane	2020643
13	Punch Holder Key	1862
14	Socket Head Cap Screw [M5 x 12mm]	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

Cat. No. 5524 Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 8, & 9

Cat. No. 5725 Driver Assembly includes:
18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 & 30



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

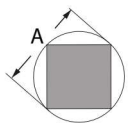
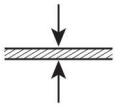
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	5554	
ABS Assembly	5533	
PUNCH	**CAT. NO.**	**PRICE**
Round	5030	
Shape	5029	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1877	
Shape	1882	
Round ABS	5154	
Shape ABS	5155	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2200	
Round Standard	1878	
Shape Slug Hugger® 2*	12967	
Shape Positive	1883	
Shape Negative	1884	

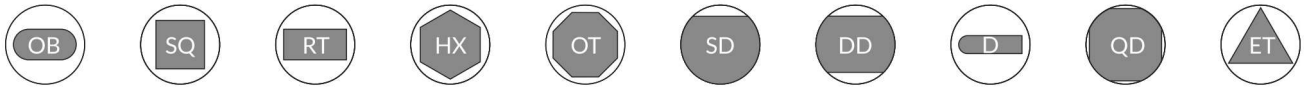
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2212	
.030 [0.76mm]	pack of 5	2730	
.060 [1.5mm]	pack of 5	2176	

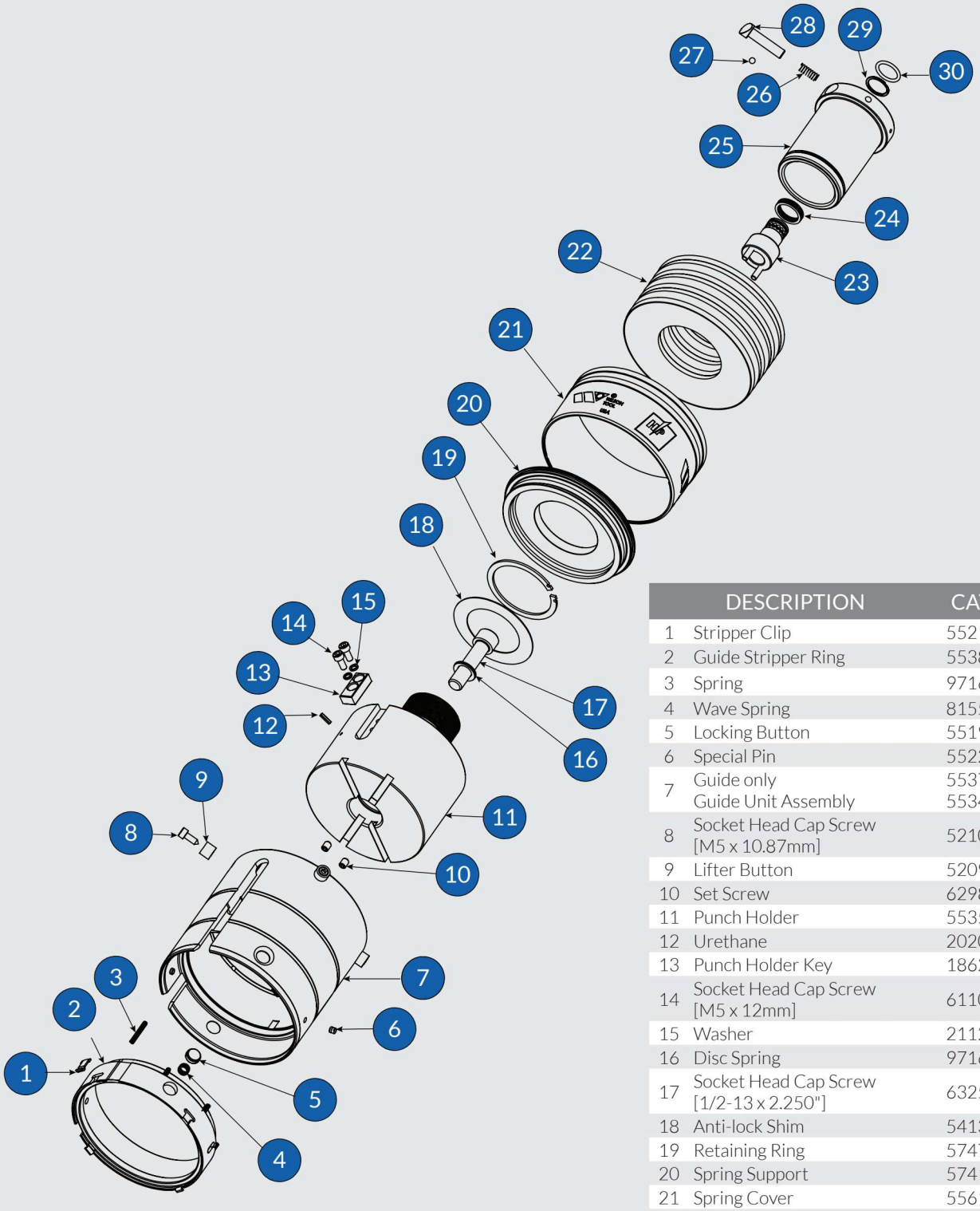
Additional charges may apply to non-standard features.
See page 145.

DESCRIPTION	MAX A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225°, and 270°.	4.500" [114.3mm] 	.250" [6.35mm] 	• .062" [1.6mm] rooftop shear is standard on all punches with 'A' dimension > 2.000" [50.8mm] and width > .250" [6.35mm]. • Ultima® Premium tool steel available for punches and dies.

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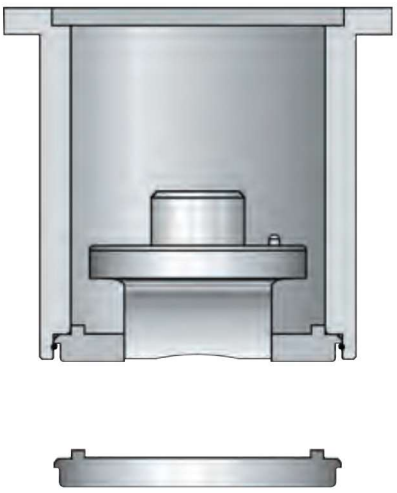


	DESCRIPTION	CAT. NO.
1	Stripper Clip	5521
2	Guide Stripper Ring	5538
3	Spring	971694
4	Wave Spring	8155
5	Locking Button	5519
6	Special Pin	5522
7	Guide only Guide Unit Assembly	5537 5534
8	Socket Head Cap Screw [M5 x 10.87mm]	5210
9	Lifter Button	5209
10	Set Screw	6298
11	Punch Holder	5535
12	Urethane	2020643
13	Punch Holder Key	1862
14	Socket Head Cap Screw [M5 x 12mm]	6110
15	Washer	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

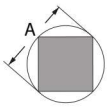
Cat. No. 5534 Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 8, & 9

Cat. No. 5726 Driver Assembly includes:
19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 & 30

HP NOTCHER STRIPPER PLATE



STATION	MAX Punch 'A' Dimension	SHAPE	HP		HP ABS		S-90		S-90 ABS	
			CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
C	2.000" [50.8 mm]	Round	2469		5643		5067		5453	
		Shape	2470		5644		5068		5454	
D	3.500" [88.9mm]	Round	2471		5645		5069		5455	
		Shape	2472		5646		5070		5456	
E	4.500" [114.3m]	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 	• Better guiding, less tool deflection • Greater flexibility of tooling applications • Longer tool life • Standard punch can be used	Designed to fit Wilson Tool manufactured guide assemblies.

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

Wearbeater™

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



Optima®

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



Nitrex®

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



Slip-Max®

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



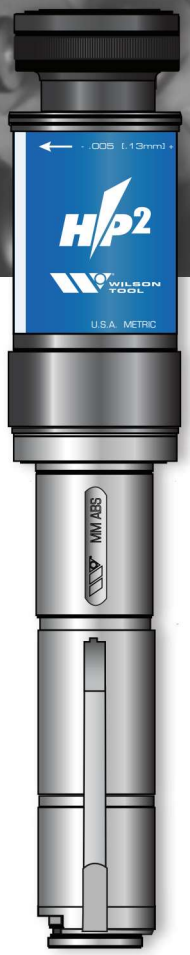
COATING RECOMMENDATION BY APPLICATION	WEARBEATER	OPTIMA	NITREX	SLIP-MAX
Punch wear piercing varied materials	●	★		
Punch or die wear piercing stainless steel	●	★		
Punch wear piercing galvanized	●	▲	★	
Punch or die wear piercing aluminum	●		▲	★
Galling on punch in stainless steel	●	▲		
Galling on punch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

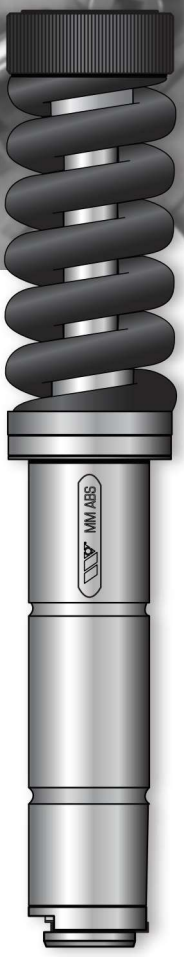
● GOOD ▲ BETTER ★ BEST

METRIC THICK TURRET TOOLING









HPX

HP2

basix

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punching@wilsontool.com
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Mexico tel: 001.800.741.2510
punzonado@wilsontool.com

METRIC THICK TURRET TOOLING



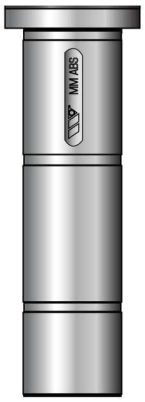
METRIC STYLE TOOLING SOLUTIONS

SMALL STATION ADVANTAGES	HPX	HP2	BASIX
Hardened guides for increased durability	●	●	●
Simple tool-less stripper change	●	●	●
Relieved strippers for extended guide life	●	●	●
Internal and external tool lubrication	●	●	●
Machine lubrication capability (ABS only, all HPX)	●	●	●
OEM compatible	●	●	●
Optima® coated punches available	●	●	●
Slug Hugger® 2 — maximum slug retention	●	●	●
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	●		

HPX® A STATION



PUNCH AND GUIDE ASSEMBLY



GUIDE



EXP PUNCH



STRIPPER



DIE

SHIM

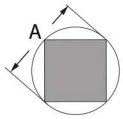
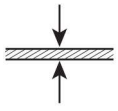
PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14026	
Shape	14012	
Optima® Coating		
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**
Assembly only *-Punch and stripper purchased separately*	14027	
GUIDE	**CAT. NO.**	**PRICE**
Round	13073	
Shape 0°	13074	
Shape 0° & 45°	13075	
Shape 0° & 90° (*Option add 180° & 270°*)	13076	
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® 2*	12959	
Shape Positive	1817	
Shape Negative	1818	

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

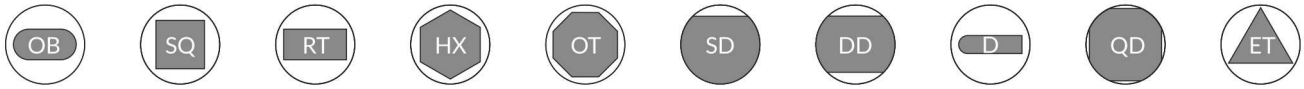
DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2208	
.030 [0.76mm]	pack of 25	2722	
.060 [1.5mm]	pack of 25	2172	

Additional charges may apply to non-standard features. See page 145.

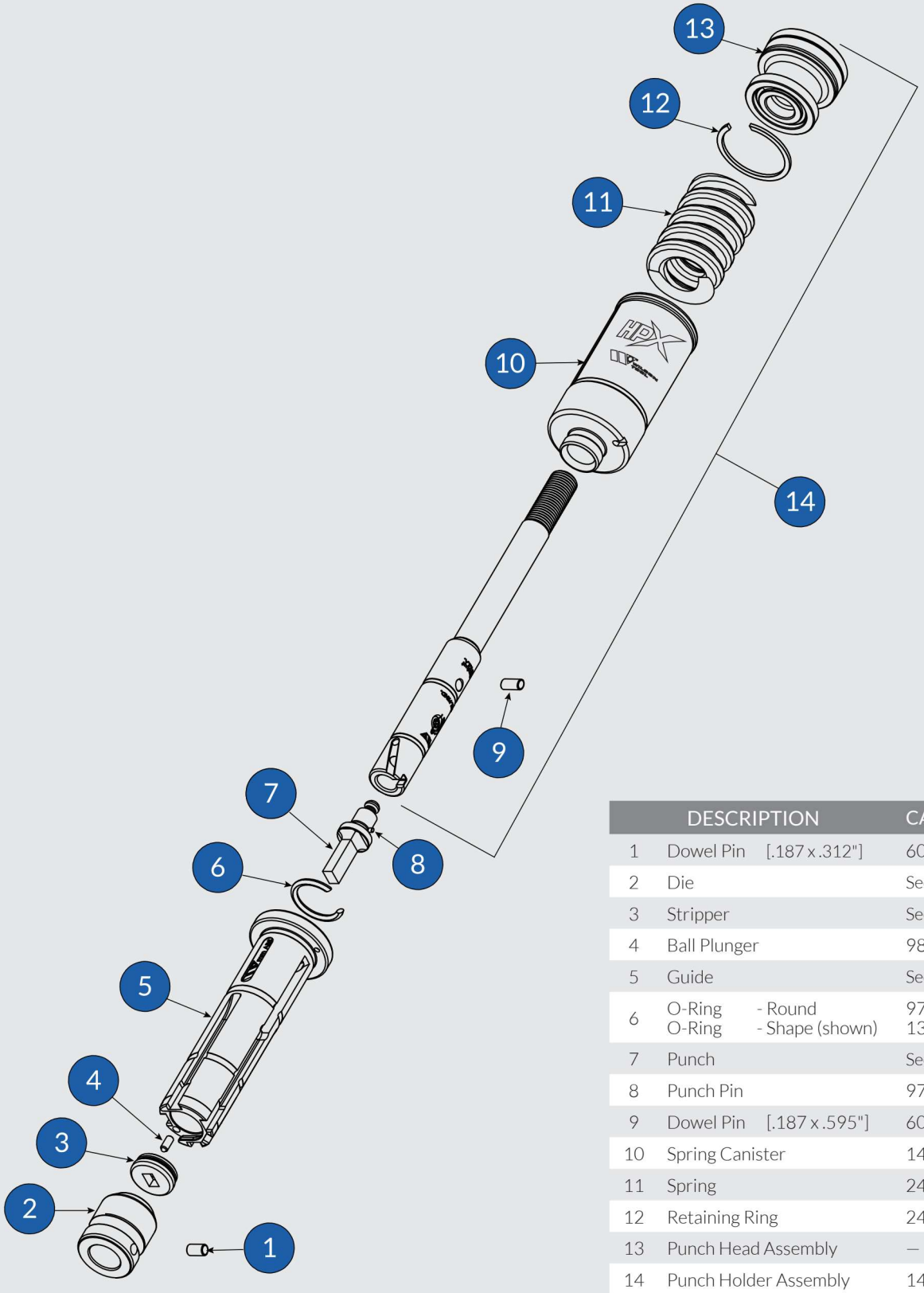
See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	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.	.500" [12.7mm] 	.150" [3.81mm] 	• Compatible with ABS and non-ABS machines. • Ultima tool steel is standard in EXP punches. • Dies are available in Ultima tool steel upon request.

STANDARD SHAPES



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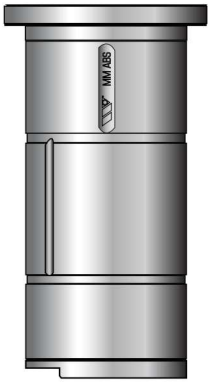


	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .312"]	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	O-Ring - Round O-Ring - Shape (shown)	971303 13069
7	Punch	See Opposite Page
8	Punch Pin	970442
9	Dowel Pin [.187 x .595"]	6015
10	Spring Canister	14015
11	Spring	24291
12	Retaining Ring	24290
13	Punch Head Assembly	—
14	Punch Holder Assembly	14014

HPX® B STATION



PUNCH AND GUIDE ASSEMBLY



GUIDE



EXP PUNCH



STRIPPER



DIE

SHIM

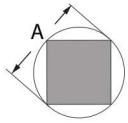
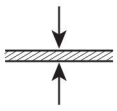
PUNCH AND GUIDE ASSEMBLY		CAT. NO.	PRICE
Round		14029	
Shape		14018	
Optima® Coating			
GUIDE ASSEMBLY		**CAT. NO.**	**PRICE**
Assembly only	0° & 90°	14030	
Assembly only	0° & 45°	14599	
Assembly only	0°, 90°, 180° & 270°	14600	
-Punch and stripper purchased separately			
GUIDE		**CAT. NO.**	**PRICE**
Round		13097	
Shape	0°	13098	
Shape	0° & 45°	13099	
Shape	0° & 90° *(Option add 180° & 270°)*	13100	
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® 2*		12961	
Shape Positive		2025	
Shape Negative		2026	

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

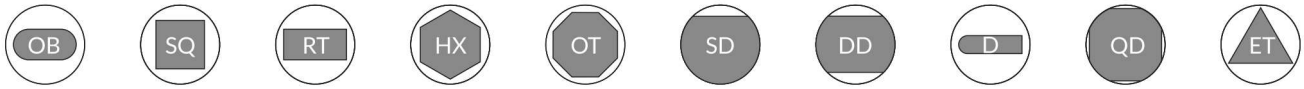
DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2209	
.030 [0.76mm]	pack of 25	2724	
.060 [1.5mm]	pack of 25	2173	

Additional charges may apply to non-standard features. See page 145.

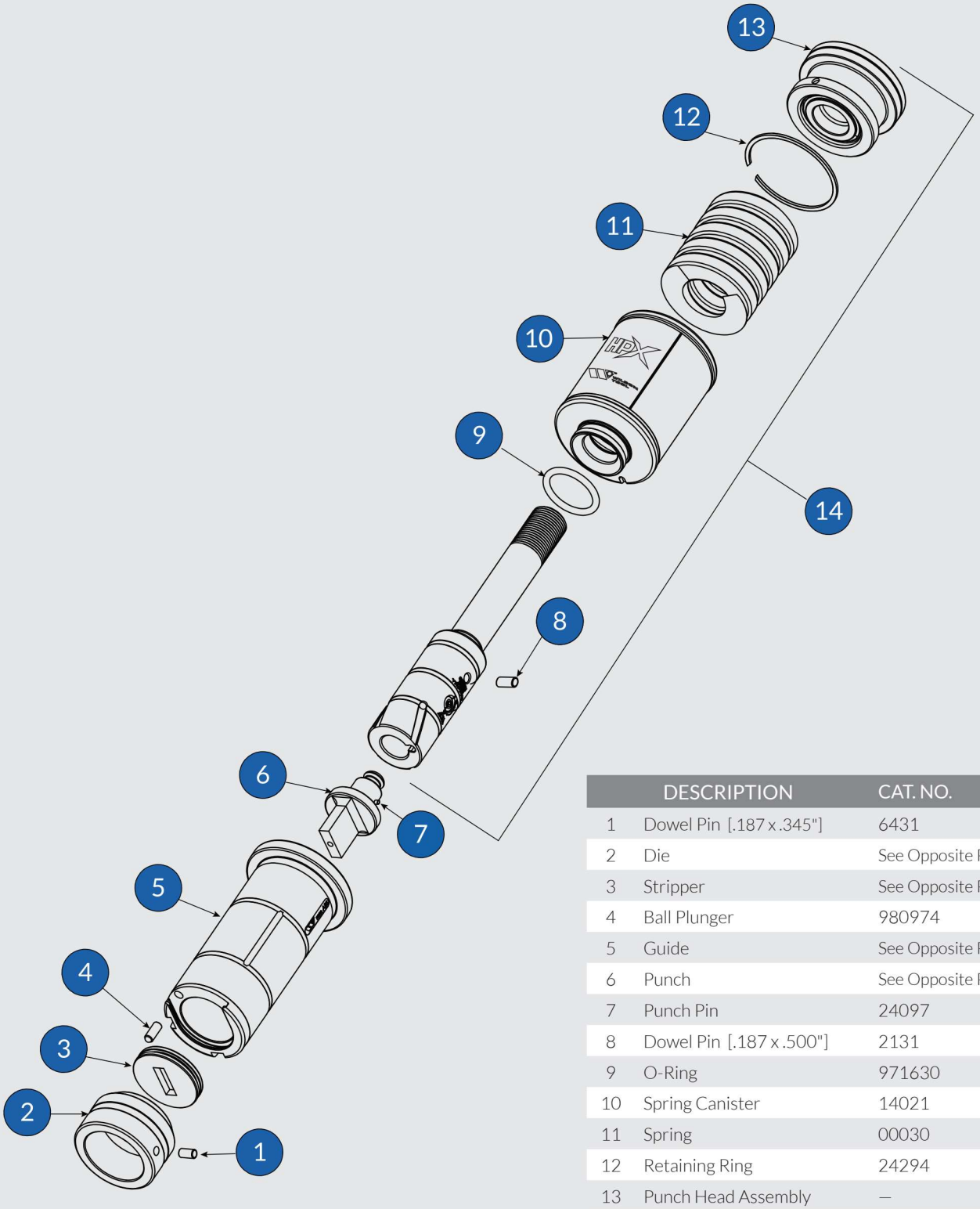
See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	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.	1.250" [31.8mm] 	.250" [6.35mm] 	• Compatible with ABS and non-ABS machines. • Ultima tool steel is standard in EXP punches. • Dies are available in Ultima tool steel upon request.

STANDARD SHAPES



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	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .345"]	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Punch Pin	24097
8	Dowel Pin [.187 x .500"]	2131
9	O-Ring	971630
10	Spring Canister	14021
11	Spring	00030
12	Retaining Ring	24294
13	Punch Head Assembly	—
14	Punch Holder Assembly	14020

EXP® A STATION



METRIC BASIX PUNCH HOLDER

Compatible with Metric Style Punch and Guide Assemblies

	CAT. NO.	PRICE
Round	13978	
Shape	13979	



METRIC BASIX ABS PUNCH HOLDER

Compatible with Metric Style Punch and Guide Assemblies

	CAT. NO.	PRICE
Round	13980	
Shape	14024	



ULTRA PUNCH HOLDER

Compatible with Ultra Punch and Guide Assemblies

	CAT. NO.	PRICE
Ultra	15535	

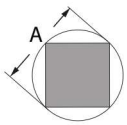
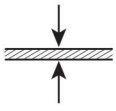


EXP® PUNCH

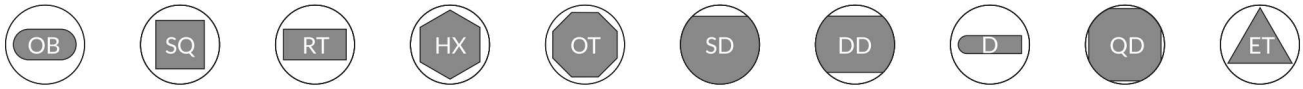
Compatible with all punch holders above

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

See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
EXP® punch holders allow you to convert your current Metric Basix punch and guide assemblies to the EXP quick change punch system. Ultima tool steel is standard in EXP punches.	.500" [12.7mm] 	.150" [3.81mm] 	Additional charges may apply to non-standard features. See page 145.

STANDARD SHAPES



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METRIC BASIX PUNCH HOLDER	
Compatible with Metric Style Punch and Guide Assemblies	
	CAT. NO. PRICE
Round	13992
Shape	13993

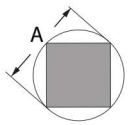
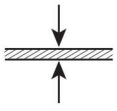
METRIC BASIX ABS PUNCH HOLDER	
Compatible with Metric Style Punch and Guide Assemblies	
	CAT. NO. PRICE
Round	13994
Shape	14025

ULTRA PUNCH HOLDER	
Compatible with Ultra Punch and Guide Assemblies	
	CAT. NO. PRICE
Ultra	15537

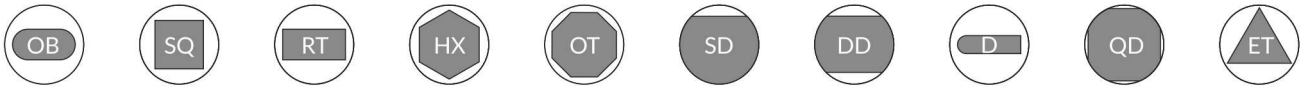


EXP® PUNCH		
Compatible with all punch holders above		
EXP PUNCH	CAT. NO.	PRICE
Round	13916	
Shape	13917	
Optima® Coating		

See this tool in action on the Wilson Tool YouTube Channel

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
EXP® punch holders allow you to convert your current Metric Basix punch and guide assemblies to the EXP quick change punch system. Ultima tool steel is standard in EXP punches.	1.250" [31.8mm] 	.250" [6.35mm] 	Additional charges may apply to non-standard features. See page 145.

STANDARD SHAPES



HP2 A STATION



PUNCH AND GUIDE ASSEMBLY



PUNCH
(ABS shown)



GUIDE



STRIPPER



DIE

SHIM

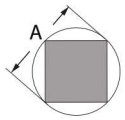
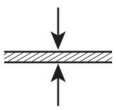
PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	ABS PRICE
Round	14052		14054	
Shape	14053		14055	
Optima® Coating				
Spring Pack Assembly	14153		14153	
PUNCH *(ABS shown)*	**CAT. NO**	**PRICE**	**CAT. NO.**	**PRICE**
Round, pinned **	14048		13869	
Shape	2182		13870	
Optima® Coating				
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14072		14076	
Shape 0°	14073		14077	
Shape 0° & 45°	14075		14079	
Shape 0° & 90° *(Option add 180° & 270°)*	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® 2*	12959	
Shape Positive	1817	
Shape Negative	1818	

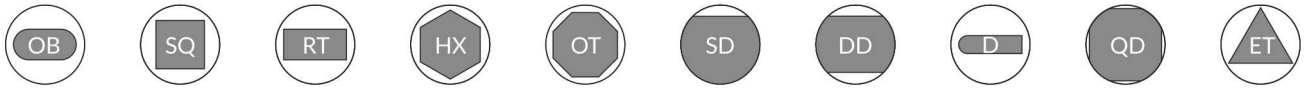
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2208	
.030 [0.76mm]	pack of 25	2722	
.060 [1.5mm]	pack of 25	2172	

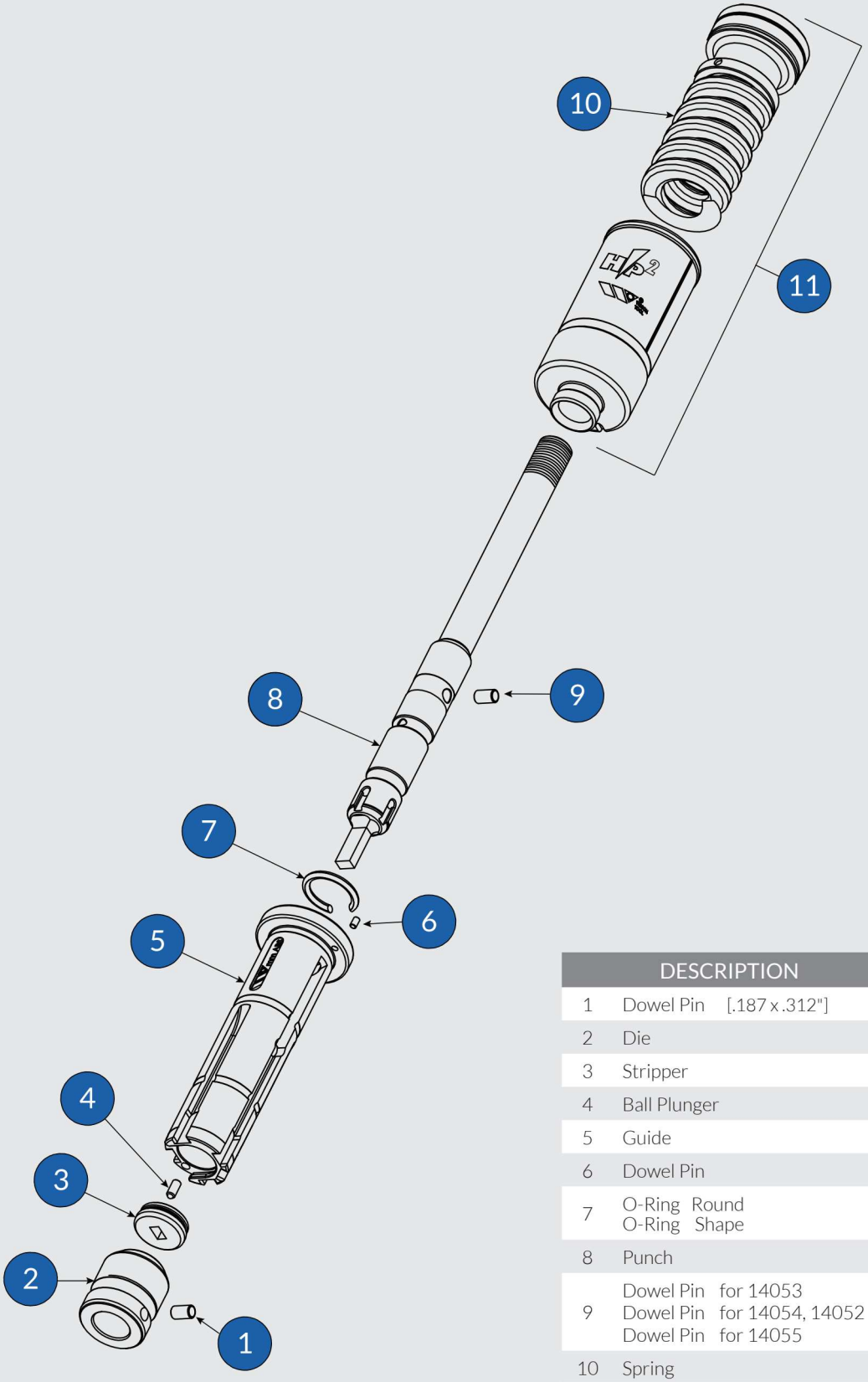
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP2 is Wilson Tool's 'Better' product. If offers a great value with standard features like easy click length adjustment, high grade tool steel, ABS compatible.	.500" [12.7mm] 	.150" [3.81mm] 	** HP2 assemblies require a pinned round punch. HP dies are available in Ultima tool steel upon request.

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	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .312"]	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	Dowel Pin	6299
7	O-Ring Round O-Ring Shape	971303 13069
8	Punch	See Opposite Page
9	Dowel Pin for 14053 Dowel Pin for 14054, 14052 Dowel Pin for 14055	6015 974189 2150
10	Spring	24291
11	Spring Pack Assembly	14153

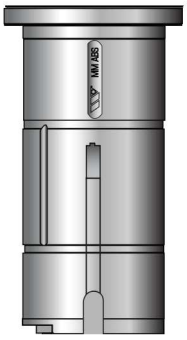
HP2 B STATION



PUNCH AND GUIDE ASSEMBLY



PUNCH
(ABS shown)



GUIDE



STRIPPER



DIE

SHIM

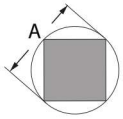
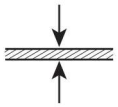
PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	ABS PRICE
Round	14056		14058	
Shape	14057		14059	
Optima® Coating				
Spring Pack Assembly	14172		14172	
PUNCH *(ABS shown)*	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round, pinned **	14049		13871	
Shape	2184		13872	
Optima® Coating				
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14080		14084	
Shape 0°	14081		14085	
Shape 0° & 45°	14083		14087	
Shape 0° & 90°	14082		14086	
(Option add 180° & 270°)				
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® 2*	12961	
Shape Positive	2025	
Shape Negative	2026	

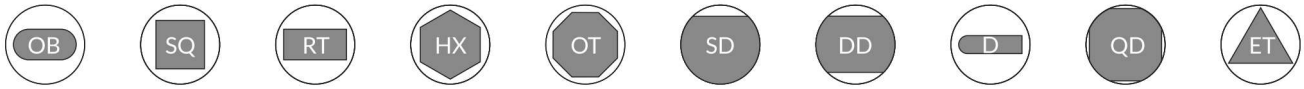
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

SHIMS		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2209	
.030 [0.76mm]	pack of 25	2724	
.060 [1.5mm]	pack of 25	2173	

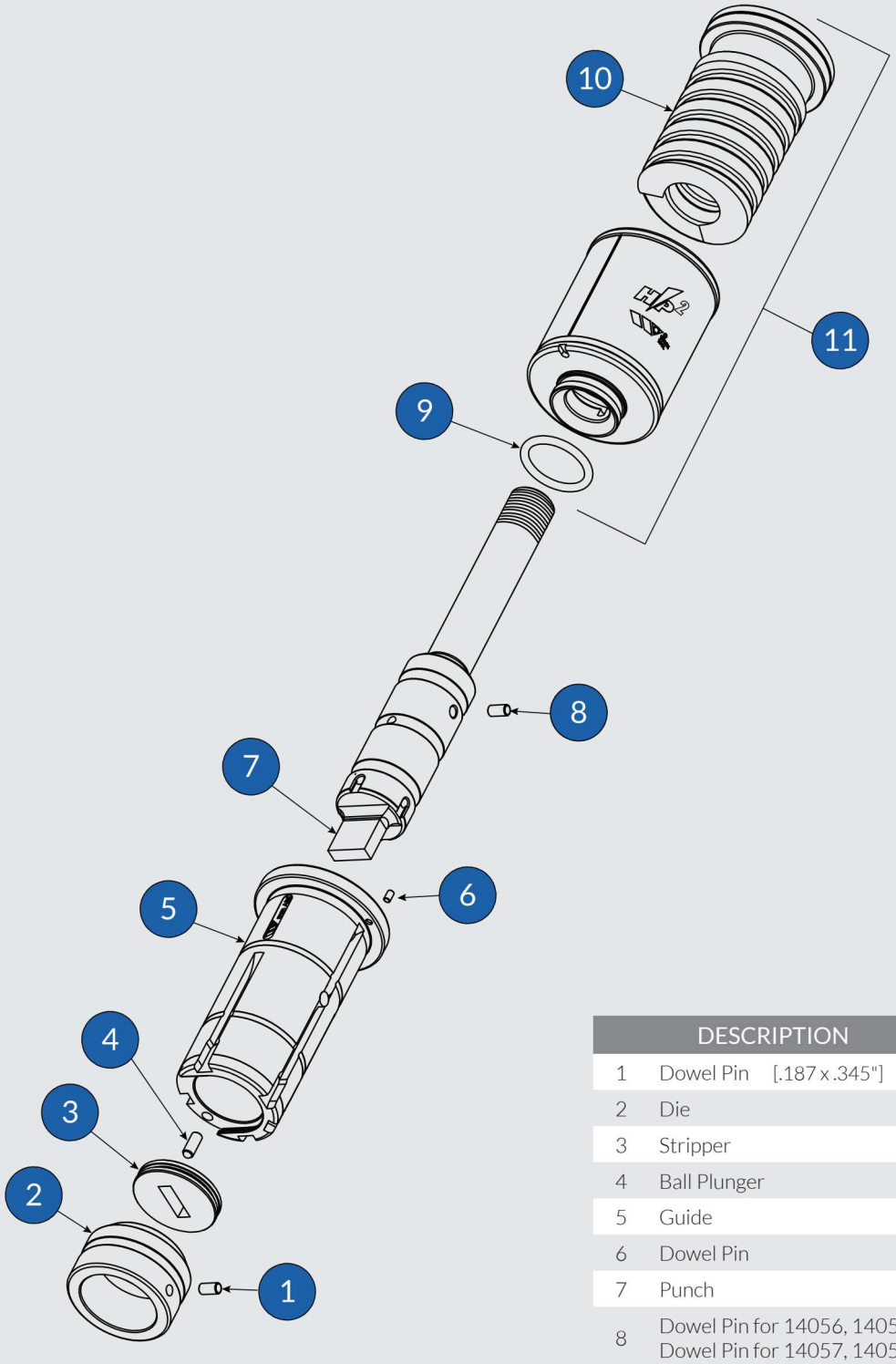
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP2 is Wilson Tool's 'Better' product. If offers a great value with standard features like easy click length adjustment, high grade tool steel, ABS compatible.	1.250" [31.75mm] 	.250" [6.35mm] 	**HP2 assemblies require a pinned round punch. HP dies are available in Ultima tool steel upon request.

STANDARD SHAPES



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	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .345"]	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Dowel Pin	970651
7	Punch	See Opposite Page
8	Dowel Pin for 14056, 14058 Dowel Pin for 14057, 14059	974189 2131
9	O-Ring	971630
10	Spring	EH200-250
11	Spring Pack Assembly	14172

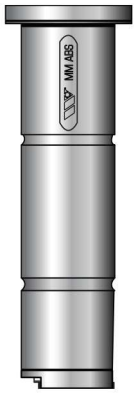
BASIX A STATION



PUNCH AND GUIDE ASSEMBLY



PUNCH
(ABS shown)



GUIDE



STRIPPER



DIE

SHIM

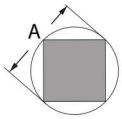
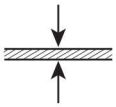
PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	ABS PRICE
Round	13057		13856	
Shape	13059		13858	
Optima® Coating				
PUNCH *(ABS shown)*	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2183		13827	
Shape	2182		13870	
Optima® Coating				
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	13065		13073	
Shape 0°	13066		13074	
Shape 0° & 45°	13067		13075	
Shape 0° & 90° *(Option add 180° & 270°)*	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® 2*	12959	
Shape Positive	1817	
Shape Negative	1818	

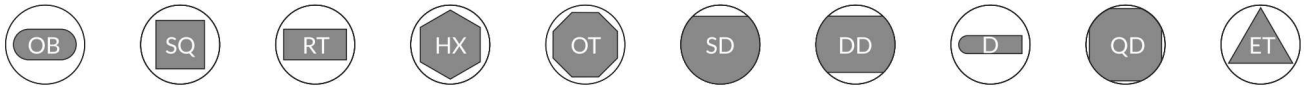
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2208	
.030 [0.76mm]	pack of 25	2722	
.060 [1.5mm]	pack of 25	2172	

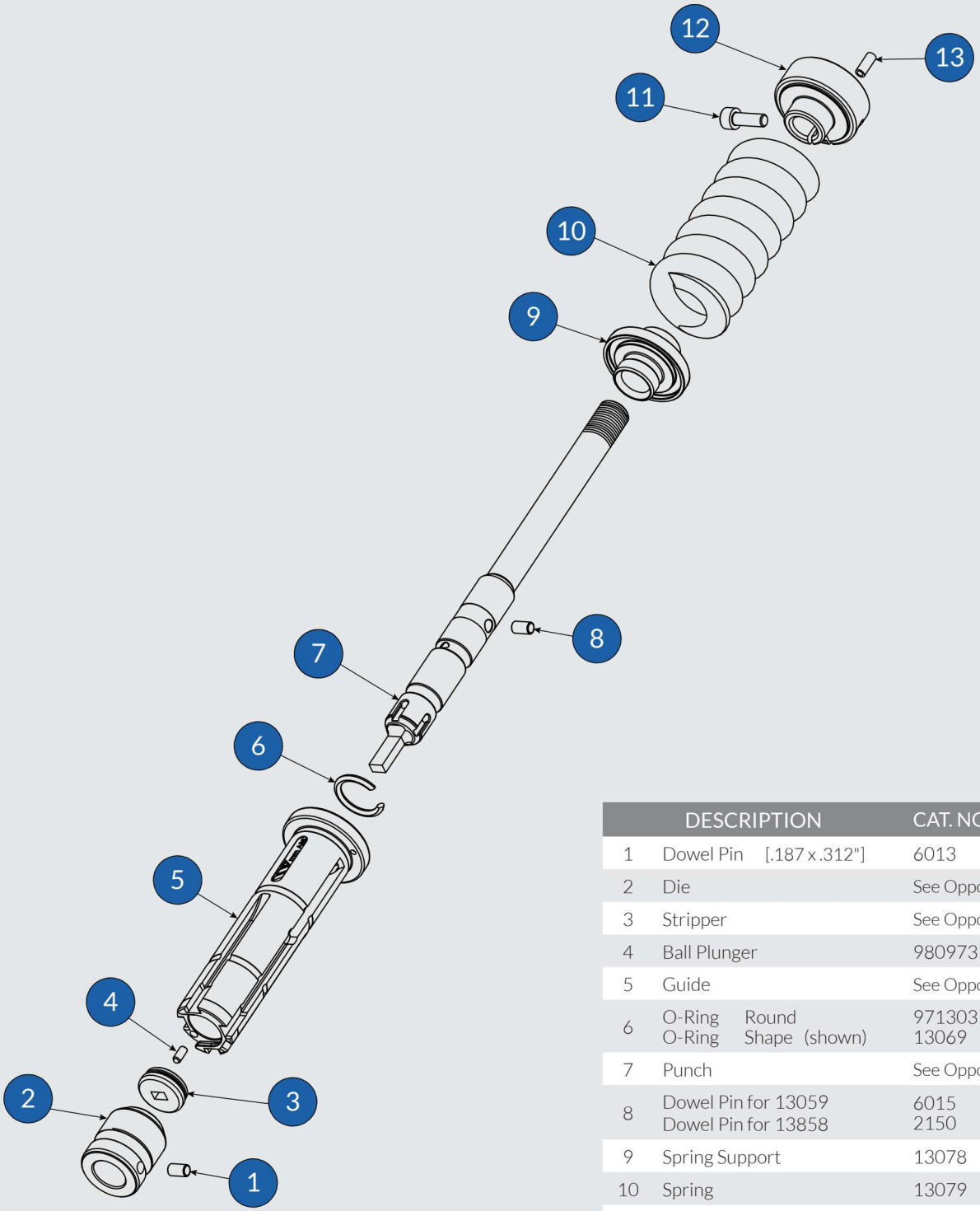
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features. ABS compatible.	.500" [12.7mm] 	.150" [3.81mm] 	Dies are available in Ultima tool steel upon request.

STANDARD SHAPES



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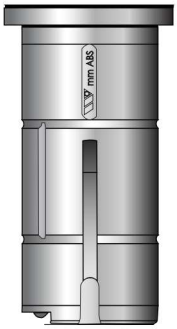
	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .312"]	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	O-Ring Round O-Ring Shape (shown)	971303 13069
7	Punch	See Opposite Page
8	Dowel Pin for 13059 Dowel Pin for 13858	6015 2150
9	Spring Support	13078
10	Spring	13079
11	Socket Head Cap Screw [M5 x 14mm]	970476
12	Punch Head Assembly	14193
13	Polyurethane Plug	13868



PUNCH AND GUIDE ASSEMBLY



PUNCH
(ABS shown)



GUIDE



STRIPPER



DIE

SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	ABS PRICE
Round	13090		13860	
Shape	13092		13862	
Optima® Coating				
PUNCH *(ABS shown)*	**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° *(Option add 180° & 270°)*	13416		13100	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	1890		2433	
Shape	1917		2432	

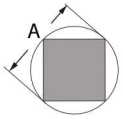
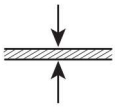
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2194	
Round Standard	2021	
Shape Slug Hugger® 2*	12961	
Shape Positive	2025	
Shape Negative	2026	

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

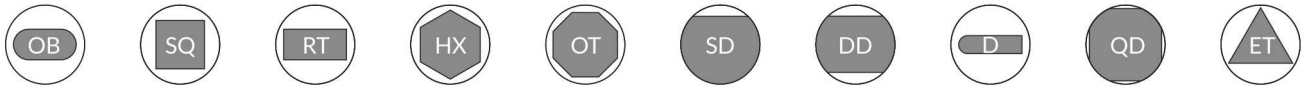
PUNCH SHIM		CAT. NO.	PRICE
.060 [1.5mm]	pack of 25	98	

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 25	2209	
.030 [0.76mm]	pack of 25	2724	
.060 [1.5mm]	pack of 25	2173	

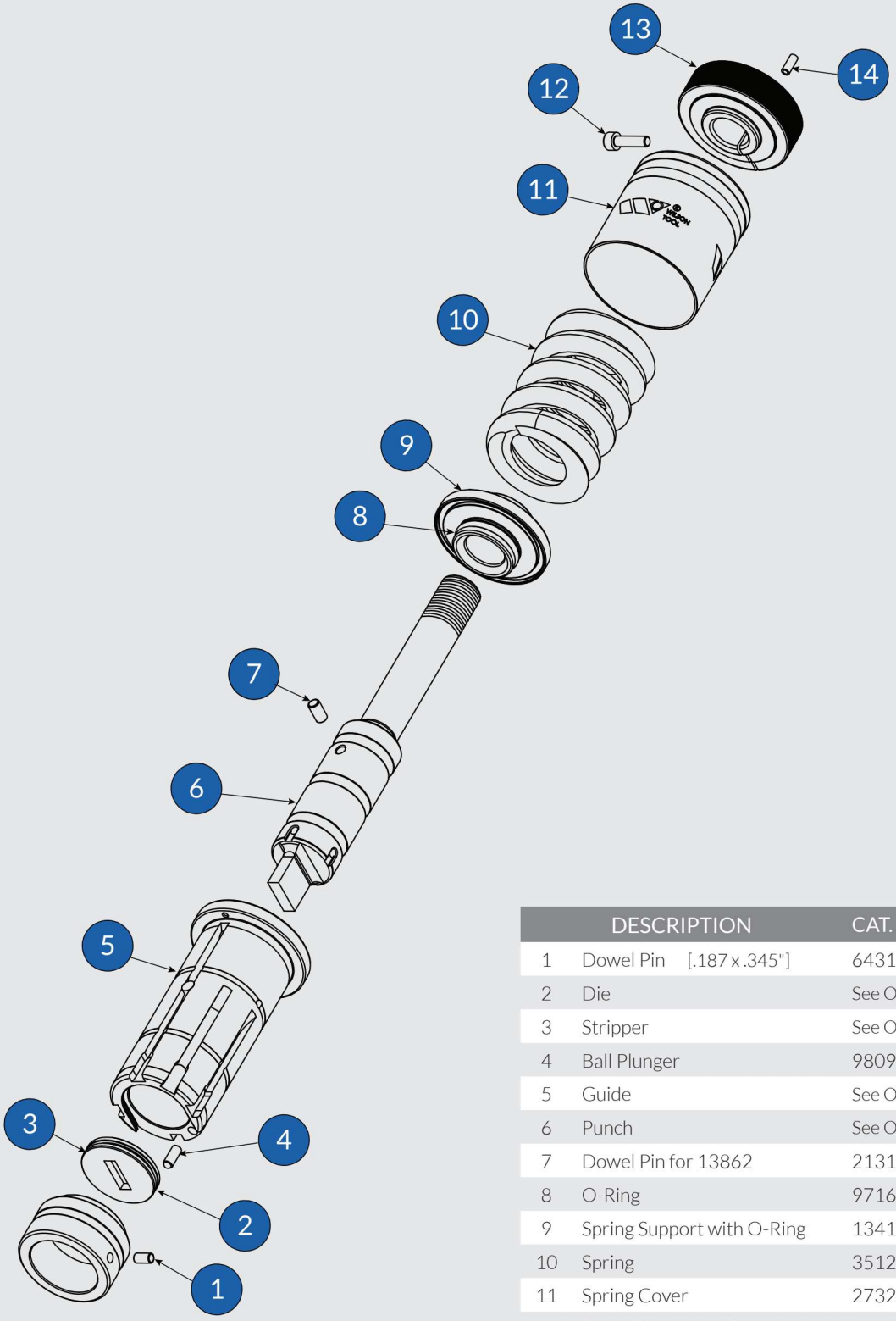
Additional charges may apply to non-standard features. See page 145.

DESCRIPTION	A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Basix assemblies are designed to deliver durability and performance at a lower cost with basic features. ABS compatible.	1.250" [31.75mm] 	.250" [6.35mm] 	Dies are available in Ultima tool steel upon request.

STANDARD SHAPES



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	DESCRIPTION	CAT. NO.
1	Dowel Pin [.187 x .345"]	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin for 13862	2131
8	O-Ring	971630
9	Spring Support with O-Ring	13411
10	Spring	35122
11	Spring Cover	2732
12	Socket Head Cap Screw [M5 x 18mm]	6449
13	Punch Head Assembly	14195
14	Polyurethane Plug	13868

METRIC THICK TURRET TOOLING



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punzonado@wilsontool.com

METRIC THICK TURRET TOOLING



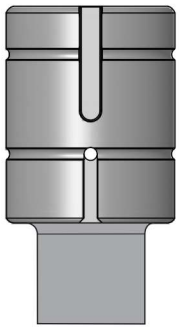
METRIC STYLE TOOLING SOLUTIONS

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	●		

HP C STATION



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

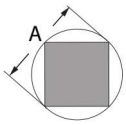
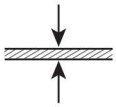
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly M-12	5577	
ABS Assembly M-14	13829	
PUNCH	**CAT. NO.**	**PRICE**
Round 1/2-13 Thread	1847	
Round M12 Thread	1933	
Round ABS M14 Thread	13614	
Shape 1/2-13 Thread	1853	
Shape M12 Thread	1934	
Shape ABS M14 Thread	13615	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1848	
Shape	1854	
Round ABS	5150	
Shape ABS	5151	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2196	
Round Standard	1850	
Shape Slug Hugger® 2*	12964	
Shape Positive	1855	
Shape Negative	1856	

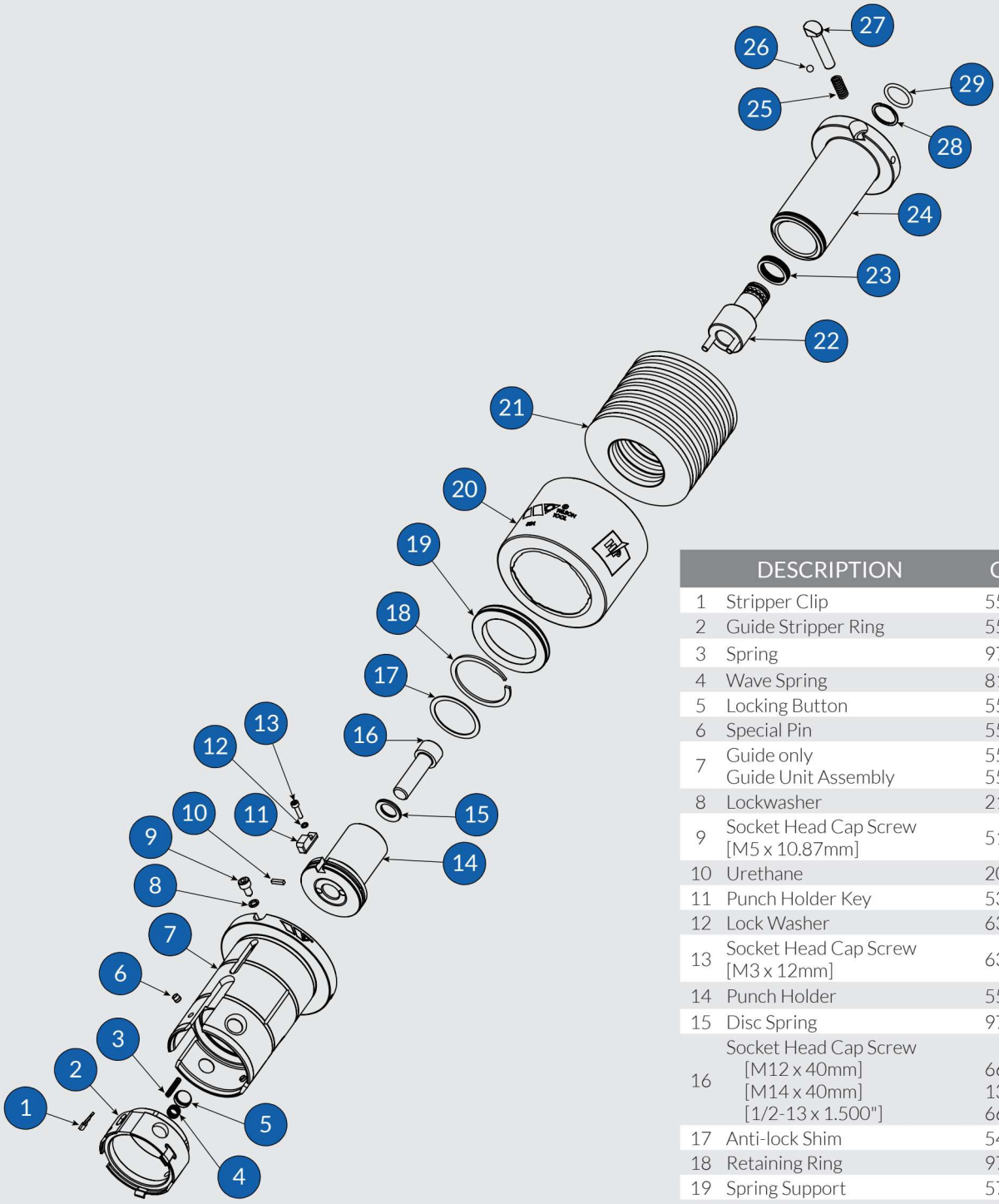
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 10	2210	
.030 [0.76mm]	pack of 10	2726	
.060 [1.5mm]	pack of 10	2174	

Additional charges may apply to non-standard features.
See page 145.

DESCRIPTION	MAX A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Quick Lock has a push button release for quick stripper plate removal. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	2.000" [50.8mm] 	.250" [6.35mm] 	• All punches shipped with no shear unless specified • 5577 assembly includes 1/2-13 bolt • 13829 assembly includes M-12 bolt • Dies are available in Ultima tool steel upon request • Compatible with M12 & 1/2-13 punches

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	DESCRIPTION	CAT. NO.
1	Stripper Clip	5521
2	Guide Stripper Ring	5520
3	Spring	971694
4	Wave Spring	8155
5	Locking Button	5519
6	Special Pin	5522
7	Guide only Guide Unit Assembly	5518 5509
8	Lockwasher	2112
9	Socket Head Cap Screw [M5 x 10.87mm]	5197
10	Urethane	2020643
11	Punch Holder Key	5373
12	Lock Washer	6327
13	Socket Head Cap Screw [M3 x 12mm]	6326
14	Punch Holder	5556
15	Disc Spring	971690
16	Socket Head Cap Screw [M12 x 40mm] [M14 x 40mm] [1/2-13 x 1.500"]	 6605 13843 6606
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	Driver Lock Button	10539
28	Retaining Ring	972441
29	O-Ring	972430

Cat. No. 5509 Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 8 & 9

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

HP D STATION



GUIDE ASSEMBLY

PUNCH

STRIPPER

DIE

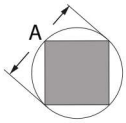
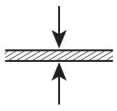
SHIM

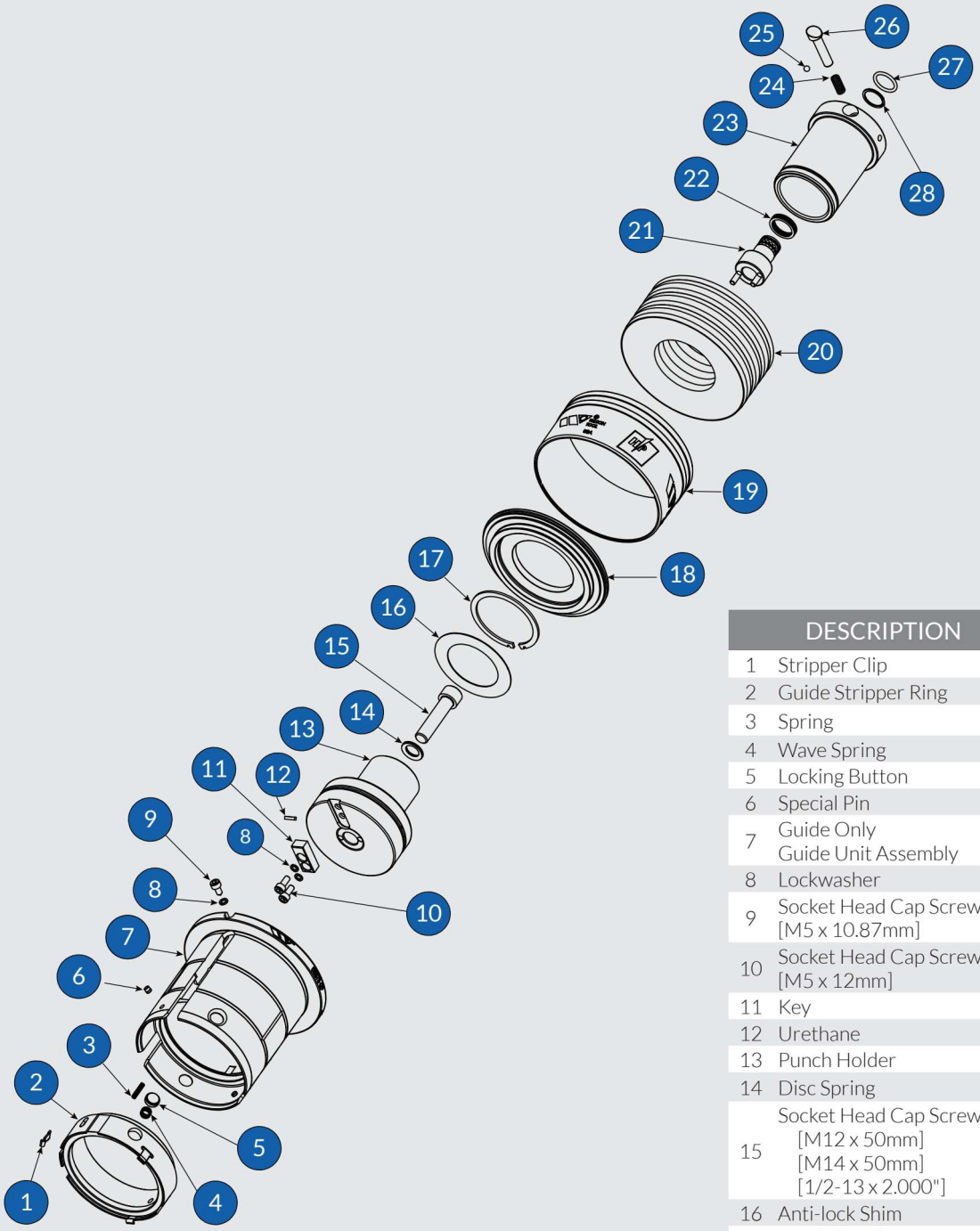
GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly M-12	5578	
ABS Assembly M-14	13830	
PUNCH	**CAT. NO.**	**PRICE**
Round 1/2-13 Thread	1863	
Round M12 Thread	1937	
Round ABS M14 Thread	13616	
Shape 1/2-13 Thread	1868	
Shape M12 Thread	1938	
Shape ABS M14 Thread	13617	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1864	
Shape	1869	
Round ABS	5152	
Shape ABS	5153	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2198	
Round Standard	1865	
Shape Slug Hugger® 2*	12965	
Shape Positive	1870	
Shape Negative	1871	

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

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2211	
.030 [0.76mm]	pack of 5	2728	
.060 [1.5mm]	pack of 5	2175	

Additional charges may apply to non-standard features.
See page 145.

DESCRIPTION	MAX A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Quick Lock has a push button release for quick stripper plate removal. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	3.500" [88.9mm] 	.250" [6.35mm] 	• .062" [1.6mm] rooftop shear is given to all punches with 'A' dimension > 2.000" [50.8mm] and width > .250" [6.35mm] • 5578 assembly includes 1/2-13 bolt • 13830 assembly includes M-12 bolt • Dies available in Ultima tool steel upon request • Compatible with M12 & 1/2-13 punches



	DESCRIPTION	CAT. NO.
1	Stripper Clip	5521
2	Guide Stripper Ring	5528
3	Spring	971694
4	Wave Spring	8155
5	Locking Button	5519
6	Special Pin	5522
7	Guide Only Guide Unit Assembly	5527 5524
8	Lockwasher	2112
9	Socket Head Cap Screw [M5 x 10.87mm]	5197
10	Socket Head Cap Screw [M5 x 12mm]	6110
11	Key	1862
12	Urethane	2020643
13	Punch Holder	5558
14	Disc Spring	971690
15	Socket Head Cap Screw [M12 x 50mm] [M14 x 50mm] [1/2-13 x 2.000"]	 970467 13844 6325
16	Anti-lock Shim	5413
17	Retaining Ring	5747
18	Spring Support	5738
19	Spring Cover	5561
20	Disc Spring (7 required)	5449
21	Adjustment Shaft	5739
22	Spring	971692
23	Punch Driver	5740
24	Spring	972396
25	Adjustment Locking Ball	972420
26	Index Button	5737
27	O-Ring	972430
28	Retaining Ring	972441

Cat. No. 5524 Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 8 & 9

Cat. No. 5725 Driver Assembly includes:
17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 & 28

HP E STATION



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

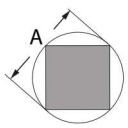
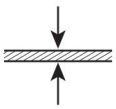
SHIM

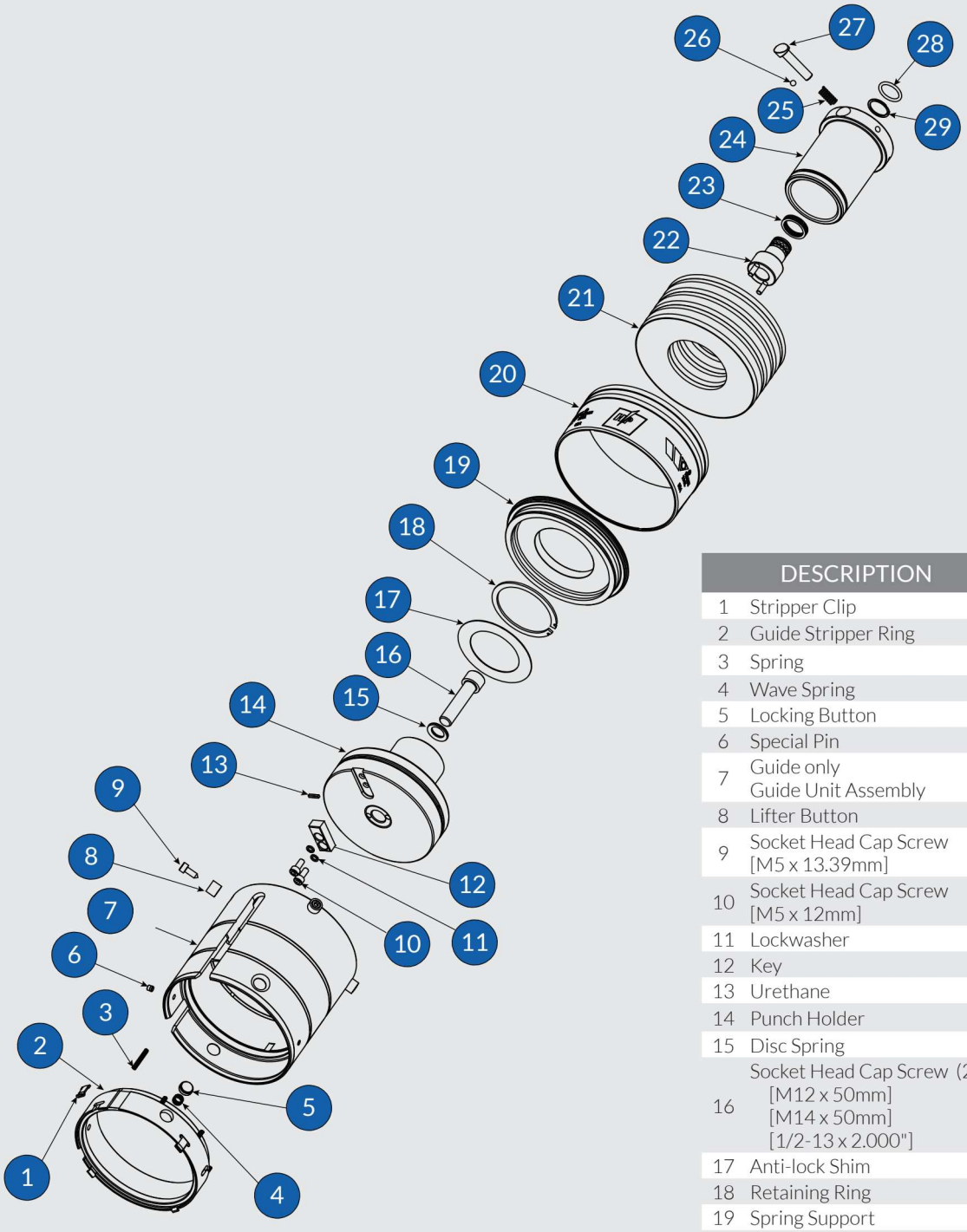
GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly M-12	5579	
ABS Assembly M-14	13831	
PUNCH	**CAT. NO.**	**PRICE**
Round 1/2-13 Thread	1876	
Round M12 Thread	1941	
Round ABS M14 Thread	13618	
Shape 1/2-13 Thread	1881	
Shape M12 Thread	1942	
Shape ABS M14 Thread	13619	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1877	
Shape	1882	
Round ABS	5154	
Shape ABS	5155	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2200	
Round Standard	1878	
Shape Slug Hugger® 2*	12967	
Shape Positive	1883	
Shape Negative	1884	

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

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2212	
.030 [0.76mm]	pack of 5	2730	
.060 [1.5mm]	pack of 5	2176	

Additional charges may apply to non-standard features.
See page 145.

DESCRIPTION	MAX A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Quick Lock has a push button release for quick stripper plate removal. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	4.500" [114.3mm] 	.250" [6.35mm] 	• .062" [1.6mm] rooftop shear is given to all punches with 'A' dimension > 2.000" [50.8mm] and width > .250" [6.35mm] • 5579 includes 1/2-13 bolt • 13831 includes M-12 Bolt • Dies available in Ultima tool steel upon request • Compatible with M12 & 1/2-13 punches



	DESCRIPTION	CAT. NO.
1	Stripper Clip	5521
2	Guide Stripper Ring	5538
3	Spring	971694
4	Wave Spring	8155
5	Locking Button	5519
6	Special Pin	5522
7	Guide only Guide Unit Assembly	5537 5534
8	Lifter Button	5209
9	Socket Head Cap Screw [M5 x 13.39mm]	5210
10	Socket Head Cap Screw [M5 x 12mm]	6110
11	Lockwasher	2112
12	Key	1862
13	Urethane	2020643
14	Punch Holder	5560
15	Disc Spring	971690
16	Socket Head Cap Screw (2) [M12 x 50mm] [M14 x 50mm] [1/2-13 x 2.000"]	 970467 13844 6325
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	Index Button	5737
28	O-Ring	972430
29	Retaining Ring	972441

Cat. No. 5534 Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 8 & 9

Cat. No. 5726 Driver Assembly includes:
18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29

STANDARD C STATION

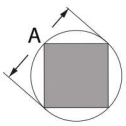
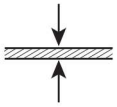


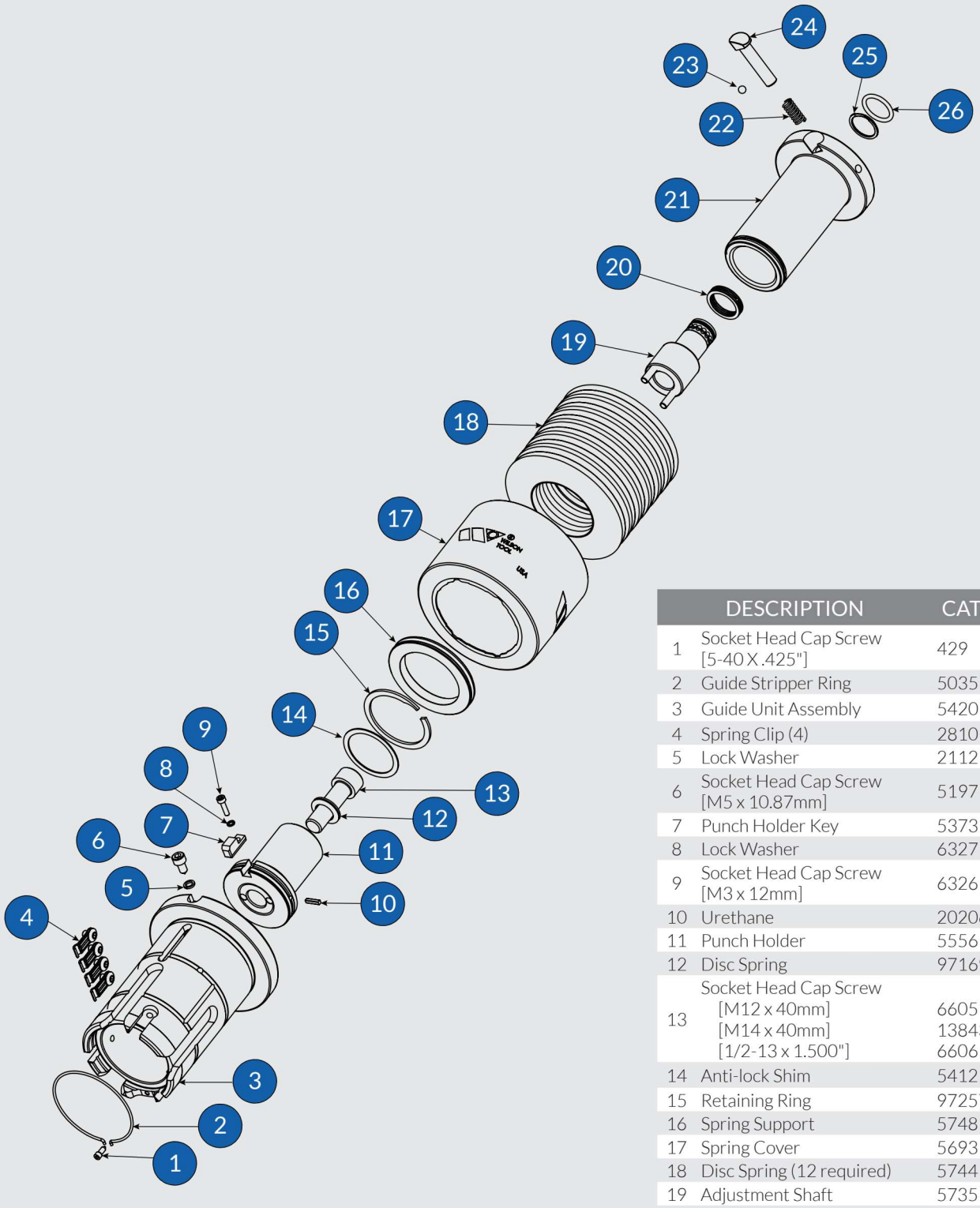
GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	5583	
ABS Assembly M-14	13084	
WLS Assembly M-12	5592	
PUNCH	**CAT. NO.**	**PRICE**
Round 1/2-13 Thread	1847	
Round M12 Thread	1933	
Round ABS M14 Thread	13614	
Shape 1/2-13 Thread	1853	
Shape M12 Thread	1934	
Shape ABS M14 Thread	13615	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1848	
Shape	1854	
Round ABS	5150	
Shape ABS	5151	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2196	
Round Standard	1850	
Shape Slug Hugger® 2*	12964	
Shape Positive	1855	
Shape Negative	1856	

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

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 10	2210	
.030 [0.76mm]	pack of 10	2726	
.060 [1.5mm]	pack of 10	2174	

Additional charges may apply to non-standard features. See page 145.

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°.	2.000" [50.8mm] 	.250" [6.35mm] 	• 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 • Dies available in Ultima tool steel upon request • Compatible with M12 & 1/2-13 punches



	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 (4)	2810
5	Lock Washer	2112
6	Socket Head Cap Screw [M5 x 10.87mm]	5197
7	Punch Holder Key	5373
8	Lock Washer	6327
9	Socket Head Cap Screw [M3 x 12mm]	6326
10	Urethane	2020643
11	Punch Holder	5556
12	Disc Spring	971690
13	Socket Head Cap Screw [M12 x 40mm] [M14 x 40mm] [1/2-13 x 1.500"]	6605 13843 6606
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	Driver Lock Button	10539
25	Retaining Ring	972441
26	O-Ring	972430

Cat. No. 5420 Guide Unit Assembly includes:
1, 2, 4, 5, & 6

Cat. NO. 5729 Driver Assembly includes:
15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 & 26

STANDARD D STATION



GUIDE ASSEMBLY

PUNCH

STRIPPER

DIE

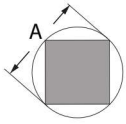
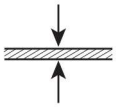
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly M-12	5584	
ABS Assembly M-14	13085	
WLS Assembly M-12	5593	
PUNCH	**CAT. NO.**	**PRICE**
Round 1/2-13 Thread	1863	
Round M12 Thread	1937	
Round ABS M14 Thread	13616	
Shape 1/2-13 Thread	1868	
Shape M12 Thread	1938	
Shape ABS M14 Thread	13617	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1864	
Shape	1869	
Round ABS	5152	
Shape ABS	5153	
DIE	**CAT. NO**	**PRICE**
Round Slug Hugger®*	2198	
Round Standard	1865	
Shape Slug Hugger® 2*	12965	
Shape Positive	1870	
Shape Negative	1871	

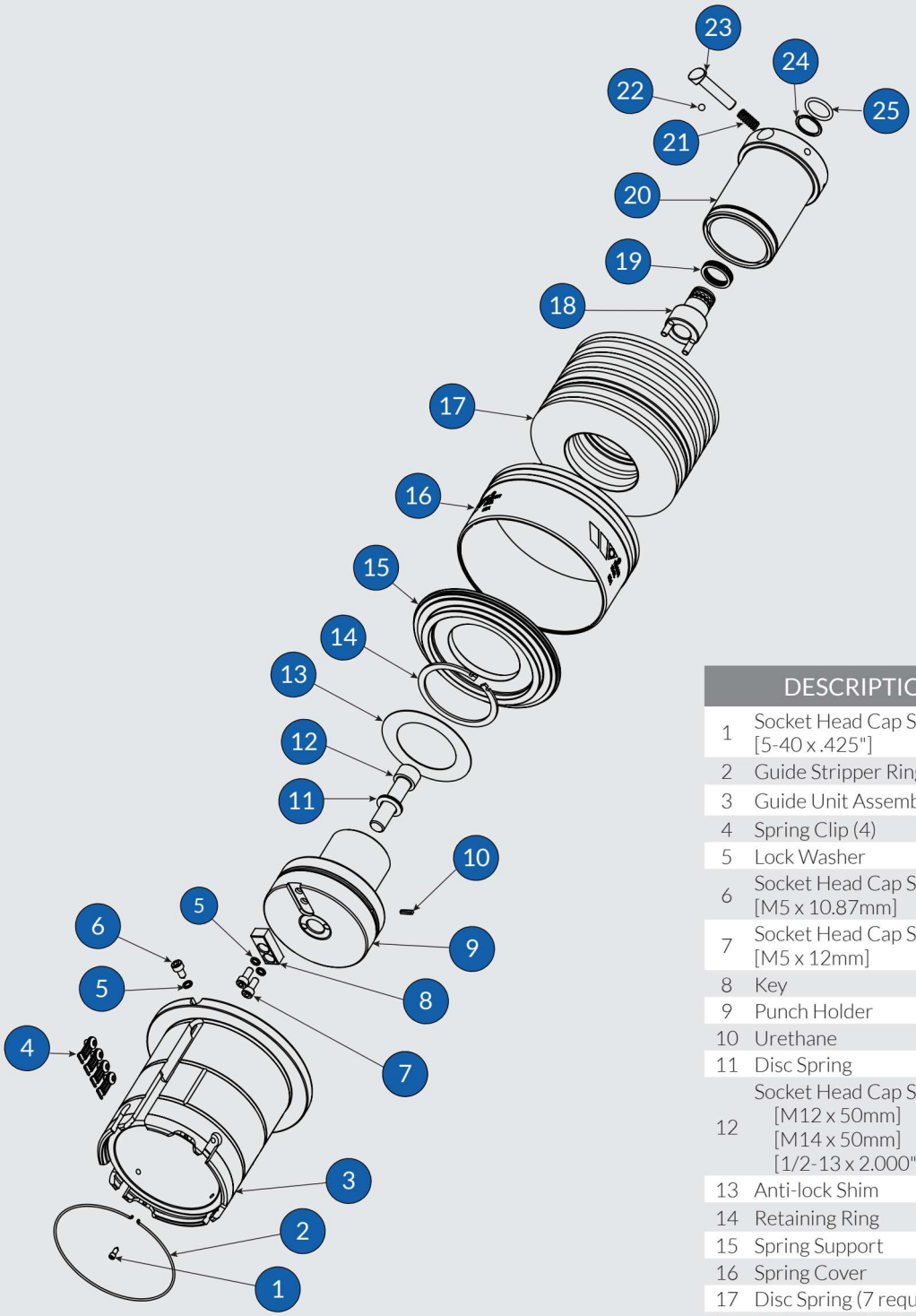
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2211	
.030 [0.76mm]	pack of 5	2728	
.060 [1.5mm]	pack of 5	2175	

Additional charges may apply to non-standard features.
See page 145.

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°.	3.500" [88.9mm] 	.250" [6.35mm] 	• .062" [1.6mm] rooftop shear is given to all punches with 'A' dimension > 2.000" [50.8mm] and width > .250" [6.35mm] • 5584 and 5593 include 1/2-13 bolt • 13085 includes M-12 bolt • Dies available in Ultima tool steel upon request • Compatible with M12 & 1/2-13 punches

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	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 (4)	2810
5	Lock Washer	2112
6	Socket Head Cap Screw [M5 x 10.87mm]	5197
7	Socket Head Cap Screw [M5 x 12mm]	6110
8	Key	1862
9	Punch Holder	5558
10	Urethane	2020643
11	Disc Spring	971690
12	Socket Head Cap Screw (2) [M12 x 50mm] [M14 x 50mm] [1/2-13 x 2.000"]	 970467 13844 6325
13	Anti-lock Shim	5413
14	Retaining Ring	5747
15	Spring Support	5738
16	Spring Cover	5423
17	Disc Spring (7 required)	5449
18	Adjustment Shaft	5739
19	Wave Spring	971692
20	Punch Driver	5740
21	Spring	972396
22	Adjustment Locking Ball	972420
23	Index Button	5737
24	Retaining Ring	972441
25	O-Ring	972430

Cat. No. 5430 Guide Unit Assembly includes:
1, 2, 4, 5, & 6

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

STANDARD E STATION



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

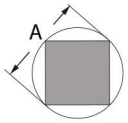
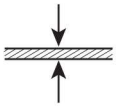
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly M-12	5585	
ABS Assembly M-14	13088	
WLS Assembly M-12	5594	
PUNCH	**CAT. NO.**	**PRICE**
Round 1/2-13 Thread	1876	
Round M12 Thread	1941	
Round ABS M14 Thread	13618	
Shape 1/2-13 Thread	1881	
Shape M12 Thread	1942	
Shape ABS M14 Thread	13619	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1877	
Shape	1882	
Round ABS	5154	
Shape ABS	5155	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2200	
Round Standard	1878	
Shape Slug Hugger® 2*	12967	
Shape Positive	1883	
Shape Negative	1884	

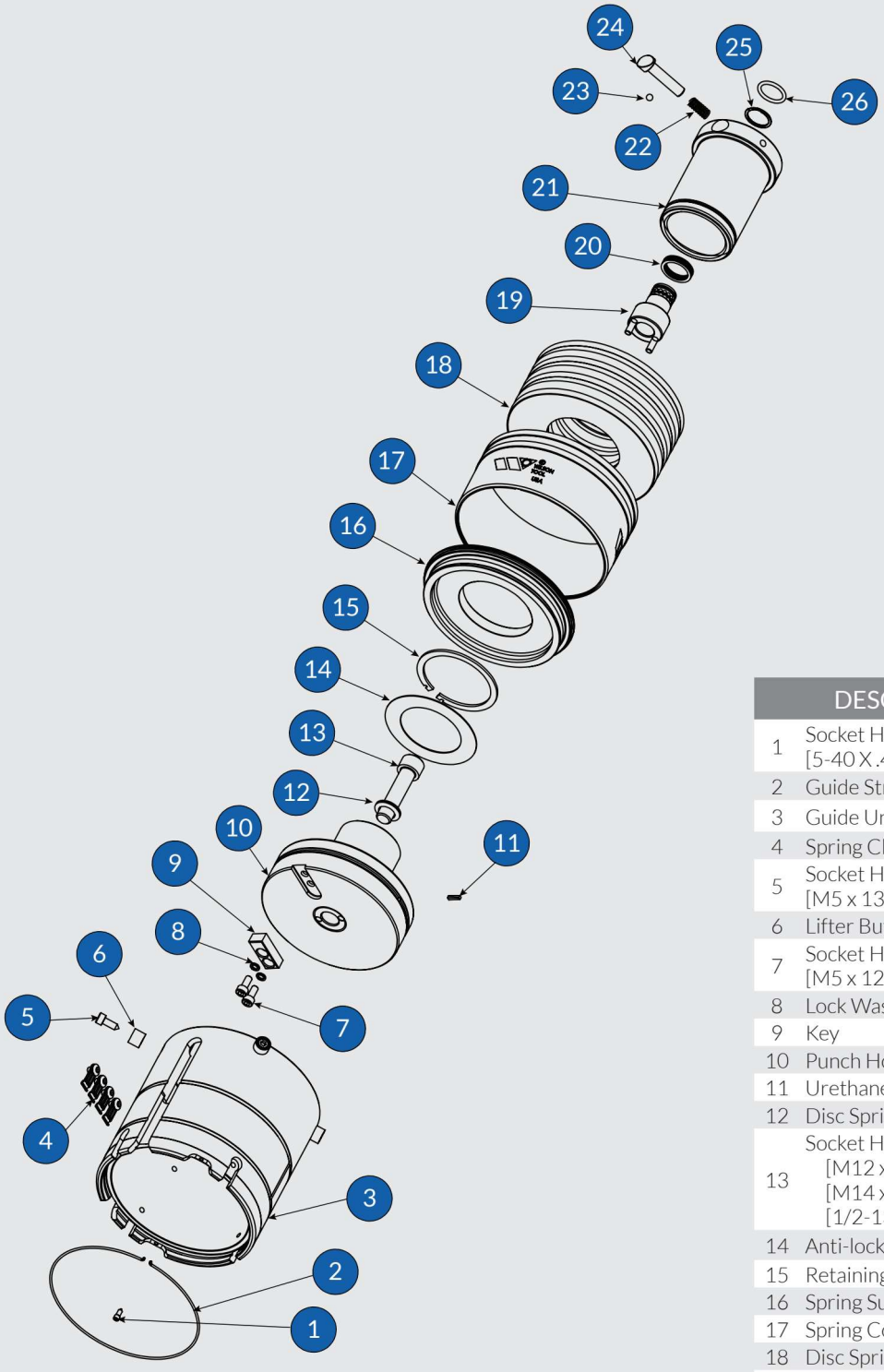
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2212	
.030 [0.76mm]	pack of 5	2730	
.060 [1.5mm]	pack of 5	2176	

Additional charges may apply to non-standard features.
See page 145.

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°.	4.500" [114.3mm] 	.250" [6.35mm] 	• .062" [1.6mm] rooftop shear is given to all punches with 'A' dimension > 2.000" [50.8mm] and width > .250" [6.35mm] • 5585 and 5594 include 1/2-13 bolt • 13088 includes M-12 bolt • Dies available in Ultima tool steel upon request • Compatible with M12 & 1/2-13 punches

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	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 (4)	2810
5	Socket Head Cap Screw [M5 x 13.39mm]	5210
6	Lifter Button	5209
7	Socket Head Cap Screw [M5 x 12mm]	6110
8	Lock Washer	2112
9	Key	1862
10	Punch Holder	5560
11	Urethane	2020643
12	Disc Spring	971690
13	Socket Head Cap Screw [M12 x 50mm] [M14 x 50mm] [1/2-13 x 2.000"]	970467 13844 6325
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	Index Button	5737
25	Retaining Ring	972441
26	O-Ring	972430

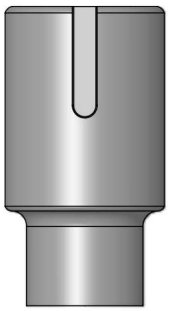
Cat. No. 5438 Guide Unit Assembly includes:
1, 2, 4, 5 & 6

Cat. No 5731 Driver Assembly includes:
15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 & 26

BASIX C STATION



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

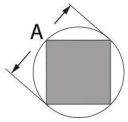
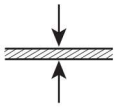
SHIM

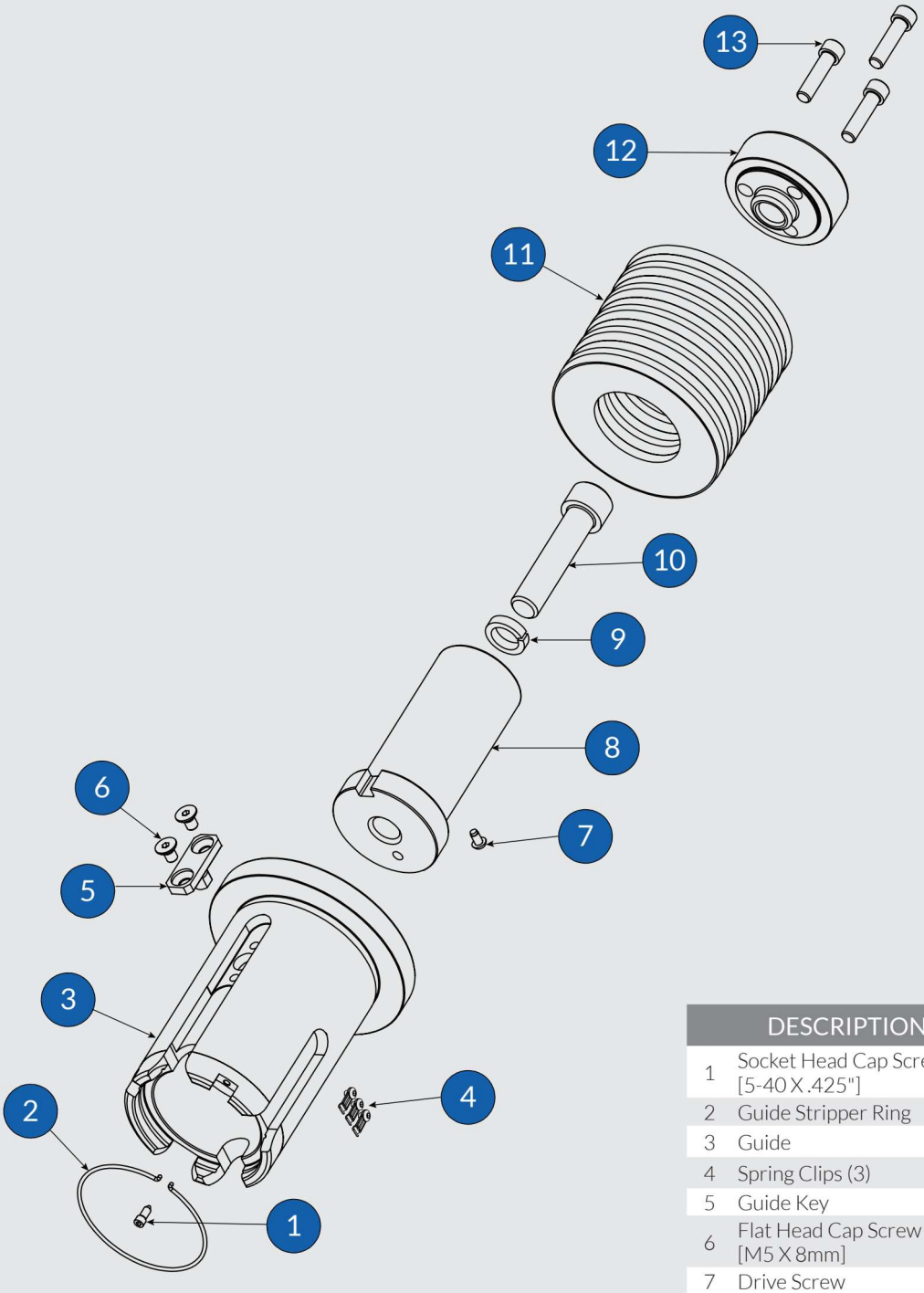
GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly M-12	1842	
PUNCH	**CAT. NO.**	**PRICE**
Round 1/2-13 Thread	1847	
Round M12 Thread	1933	
Shape 1/2-13 Thread	1853	
Shape M12 Thread	1934	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1848	
Shape	1854	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2196	
Round Standard	1850	
Shape Slug Hugger® 2*	12964	
Shape Positive	1855	
Shape Negative	1856	

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

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2211	
.030 [0.76mm]	pack of 10	2726	
.060 [1.5mm]	pack of 10	2174	

Additional charges may apply to non-standard features.
See page 145.

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°.	2.000" [50.8mm] 	.250" [6.35mm] 	• All punches shipped with no shear unless specified • 1842 assembly includes 1/2-13 bolt • Dies available in Ultima tool steel upon request



Cat. No. 1845 Driver Assembly includes:
7 & 8

	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw [5-40 X .425"]	429
2	Guide Stripper Ring	5035
3	Guide	1846
4	Spring Clips (3)	2810
5	Guide Key	1834
6	Flat Head Cap Screw [M5 X 8mm]	6567
7	Drive Screw	6666
8	Punch Driver Assembly	1845
9	Lock Washer	432
10	Socket Head Cap Screw (2) [M12 x 55mm] [1/2-13 X 2.250"]	6026 6002
11	Disc Spring (11 required)	1844
12	Punch Head	1843
13	Socket Head Cap Screw [.250-28 X 1.000"]	6047

BASIX D STATION



GUIDE ASSEMBLY

PUNCH

STRIPPER

DIE

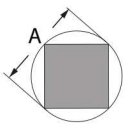
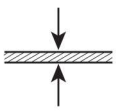
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly M-12	1857	
PUNCH	**CAT. NO.**	**PRICE**
Round 1/2-13 Thread	1863	
Round M12 Thread	1937	
Shape 1/2-13 Thread	1868	
Shape M12 Thread	1938	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1864	
Shape	1869	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2198	
Round Standard	1865	
Shape Slug Hugger® 2*	12965	
Shape Positive	1870	
Shape Negative	1871	

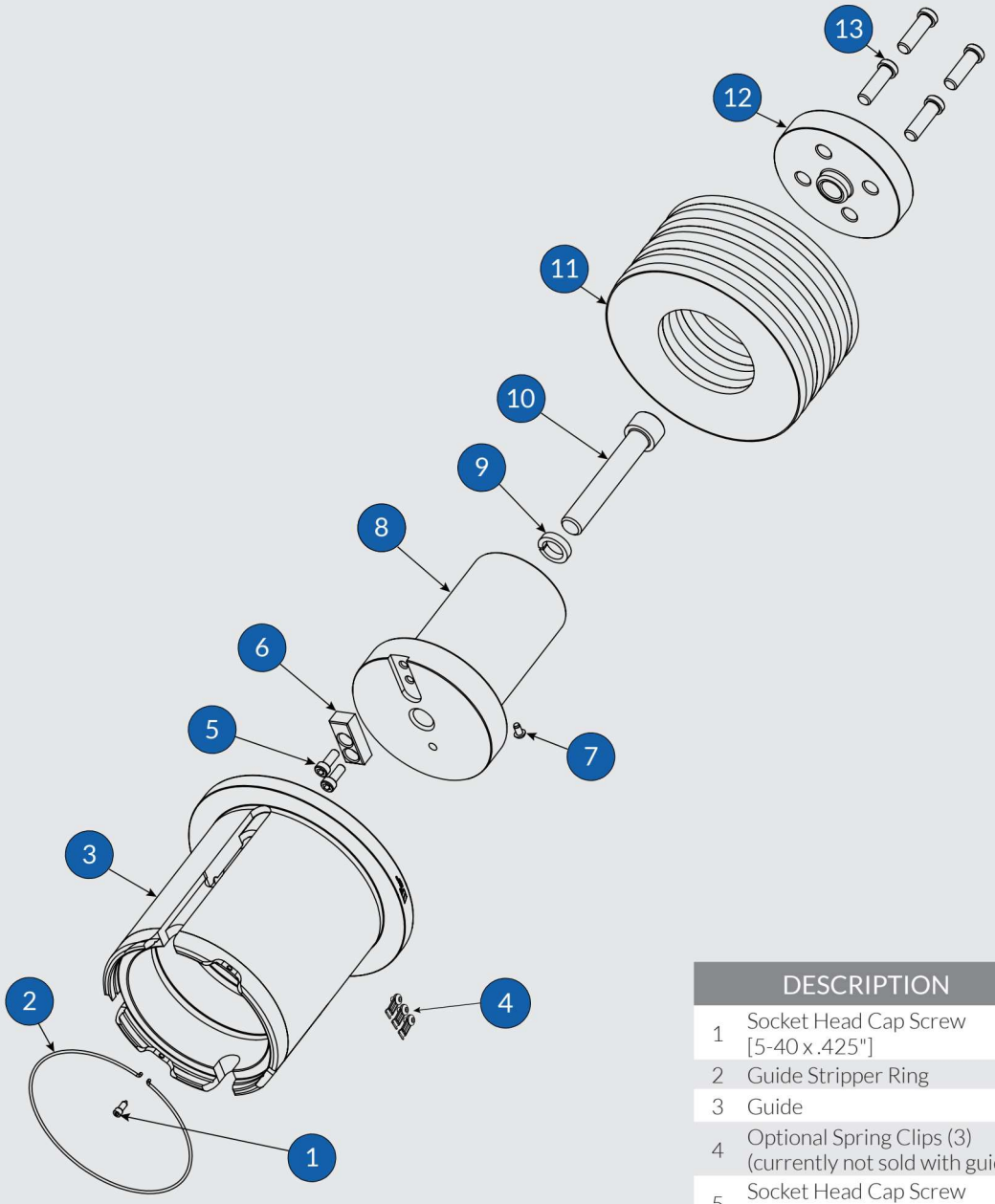
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2211	
.030 [0.76mm]	pack of 5	2728	
.060 [1.5mm]	pack of 5	2175	

Additional charges may apply to non-standard features.
See page 145.

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°.	3.500" [88.9mm] 	.250" [6.35mm] 	• .062" [1.6mm] rooftop shear is given to all punches with 'A' dimension > 2.000" [50.8mm] and width > .250" [6.35mm] • 1857 assembly includes 1/2-13 bolt • Dies are available in Ultima tool steel upon request

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Mexico tel: 001.800.741.2510 punzonado@wilsontool.com



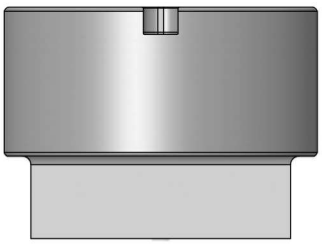
	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw [5-40 x .425"]	429
2	Guide Stripper Ring	5036
3	Guide	1861
4	Optional Spring Clips (3) (currently not sold with guide)	2810
5	Socket Head Cap Screw [10-32 x .500"]	6010
6	Key	1862
7	Drive Screw	6666
8	Punch Driver Assembly	1860
9	Lock Washer	432
10	Socket Head Cap Screw (2) [M12 x 75mm] [1/2-13 x 3.000"]	 6027 6003
11	Disc Spring (7 required)	1859
12	Punch Head	1858
13	Low Head Cap Screw [.312-18 x 1.000"]	6021

Cat. No. 1860 Driver Assembly includes:
7 & 8

BASIX E STATION



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

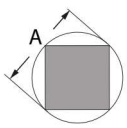
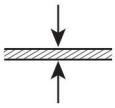
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	1872	
PUNCH	**CAT. NO.**	**PRICE**
Round 1/2-13 Thread	1876	
Round M12 Thread	1941	
Shape 1/2-13 Thread	1881	
Shape M12 Thread	1942	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
Round	1877	
Shape	1882	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger®*	2200	
Round Standard	1878	
Shape Slug Hugger® 2*	12967	
Shape Positive	1883	
Shape Negative	1884	

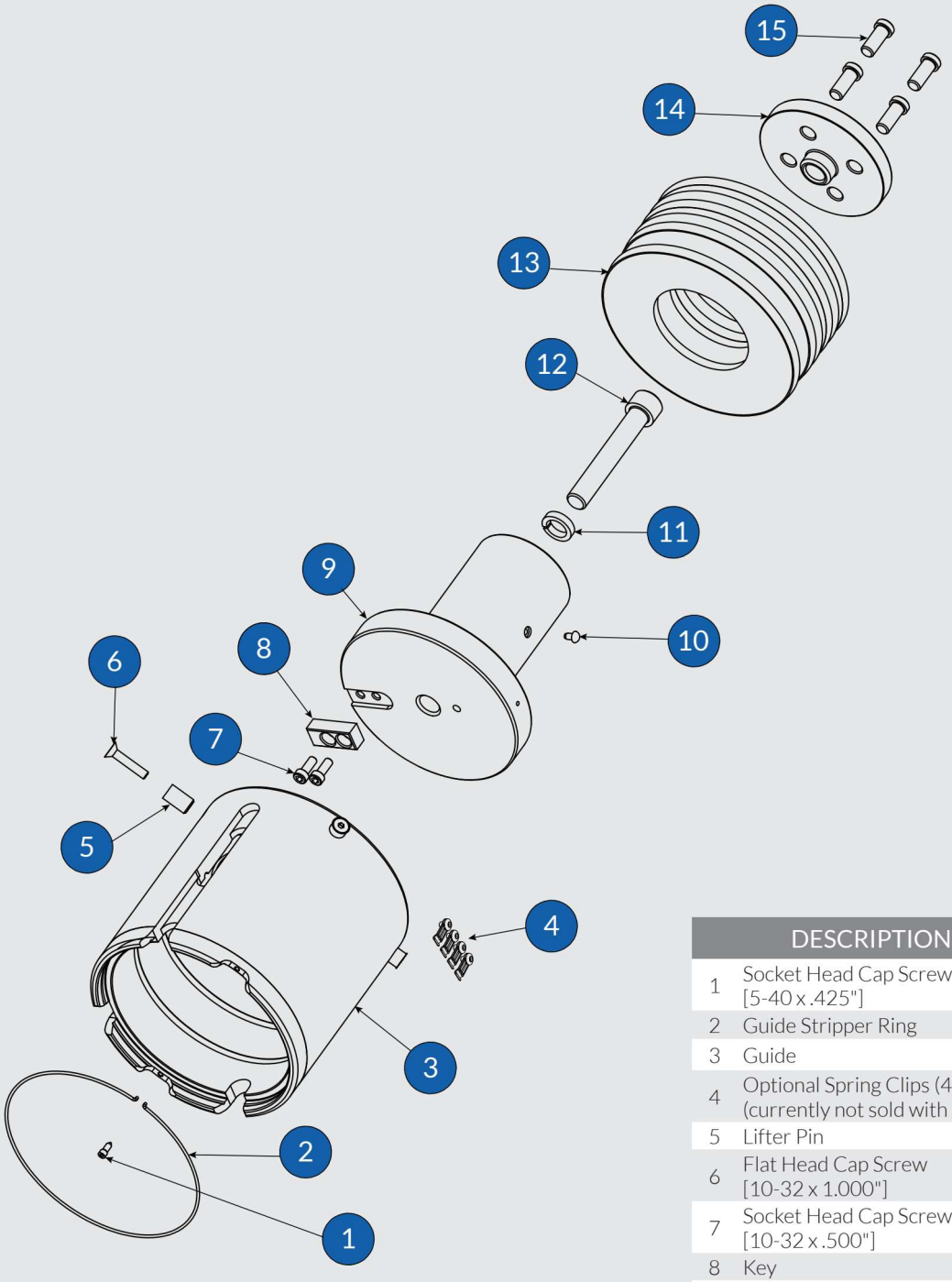
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2212	
.030 [0.76mm]	pack of 5	2730	
.060 [1.5mm]	pack of 5	2176	

Additional charges may apply to non-standard features.
See page 145.

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°.	4.500" [114.3mm] 	.250" [6.35mm] 	• .062" [1.6mm] rooftop shear is given to all punches with 'A' dimension > 2.000" [50.8mm] and width > .250" [6.35mm] • 1872 assembly includes 1/2-13 bolt • Dies are available in Ultima tool steel upon request

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Mexico tel: 001.800.741.2510 punzonado@wilsontool.com



	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw [5-40 x .425"]	429
2	Guide Stripper Ring	5037
3	Guide	1875
4	Optional Spring Clips (4) (currently not sold with guide)	2810
5	Lifter Pin	1880
6	Flat Head Cap Screw [10-32 x 1.000"]	2158
7	Socket Head Cap Screw [10-32 x .500"]	6010
8	Key	1862
9	Punch Driver Assembly	1874
10	Drive Screw	6666
11	Lock Washer	432
12	Socket Head Cap Screw (2) [M12 x 75mm] [1/2-13 x 3.000"]	 6027 6003
13	Disc Spring (7 required)	1859
14	Punch Head	1873
15	Low Head Cap Screw [.312-18 x .750"]	6022

Cat. No. 1874 Driver Assembly includes:
9 & 10

ULTIMA® PREMIUM TOOL STEEL IMPROVES DURABILITY AND PERFORMANCE

Available exclusively from Wilson Tool International , 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.

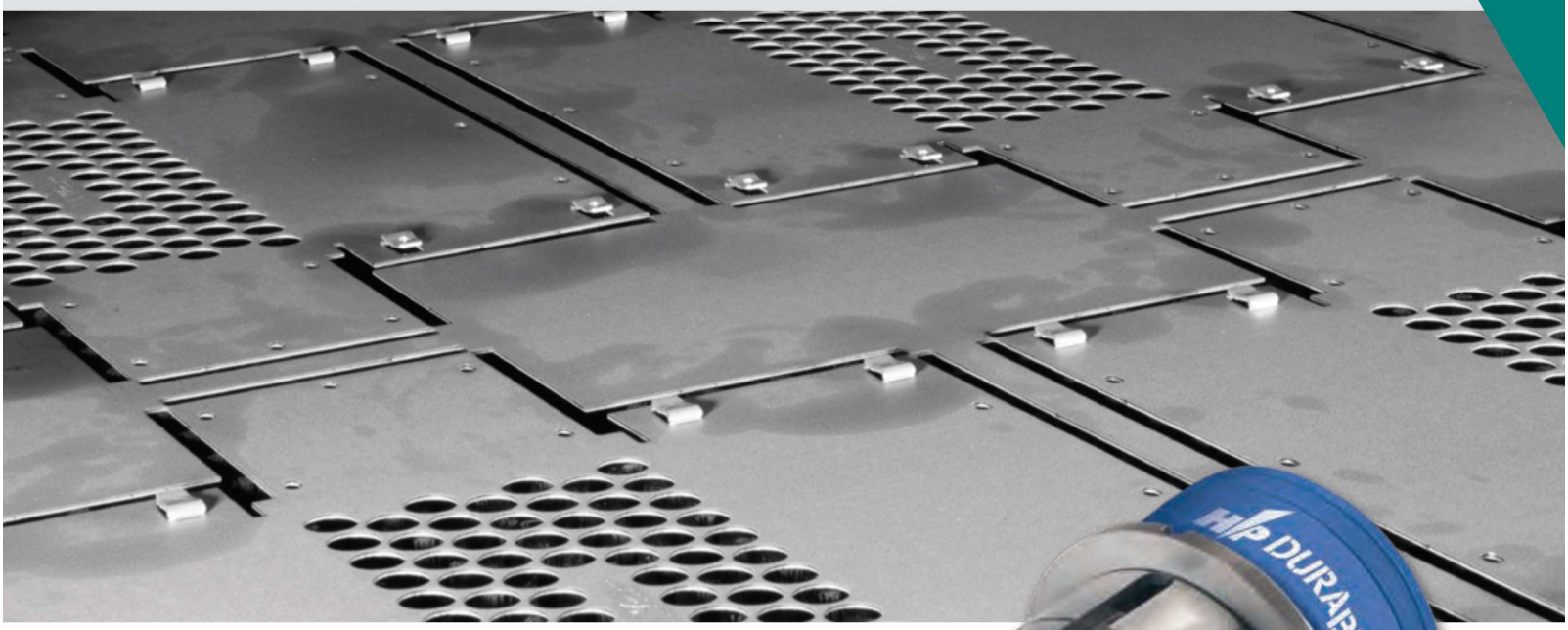
Ultima premium steel punches and dies are especially useful for the toughest applications, but are effective for any job.



EXP® punches shown

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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 HP DuraBlade® and Dura-Die parting products specifically to maximize your productivity for these applications.

HP DuraBlade® features a simple push button adjustment and replaceable cutting blade insert made with Ultima® premium tool steel to significantly increase grind life. The punch blades are supplied flat, or with rooftop shear upon request at no additional charge.



The **Dura-Die parting tool** completes Wilson Tool's ultimate parting solution. When a new die is necessary, simply replace the removable insert and you are quickly back up and running. When combined with HP DuraBlade, 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.



HP DURABLADE® D STATION



GUIDE ASSEMBLY



PUNCH



STRIPPER



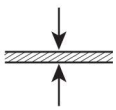
DIE

SHIM

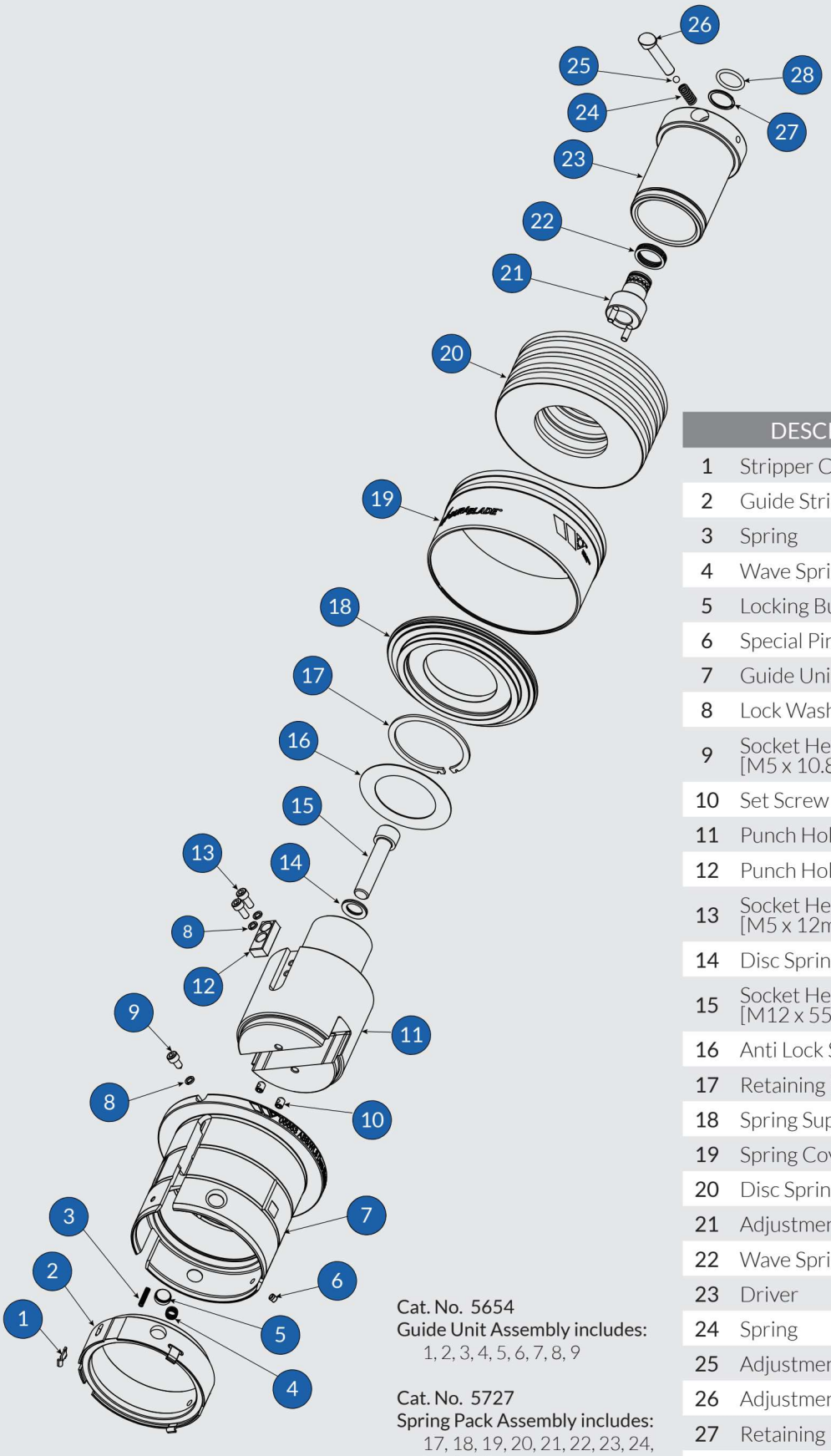
GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	5663	
Assembly ABS /WLS	5653	
PUNCH	**CAT. NO**	**PRICE**
Blade	5657	
Optima® Coating		
STRIPPER	**CAT. NO.**	**PRICE**
One Sided Relief	5665	
One Sided Relief ABS	5666	
Two Sided Relief	5656	
Two Sided Relief ABS	5664	
DIE	**CAT. NO.**	**PRICE**
Slug Hugger® 2* (relief 2 sides, shape at 90°)	5499	
Slug Hugger® 2* (relief 2 sides, shape at 0°-90°)	5500	
Slug Hugger® 2* (relief 1 side, shape at 90°)	12966	
Slug Hugger® 2* (relief 1 side, shape at 0°-90°)	5501	
Positive (relief 2 sides, shape at 90°)	5101	
Positive (relief 2 sides, shape at 0°-90°)	5328	
Positive (relief 1 side, shape at 90°)	2462	
Positive (relief 1 side, shape at 0°-90°)	5331	
Negative (relief 2 sides, shape at 90°)	5156	
Negative (relief 2 sides, shape at 0°-90°)	5329	
Negative (relief 1 side, shape at 90°)	2463	
Negative (relief 1 side, shape at 0°-90°)	5332	

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

DIE SHIM	CAT. NO.	PRICE
.010 [0.25mm] pack of 5	2211	
.030 [0.76mm] pack of 5	2728	
.060 [1.5mm] pack of 5	2175	

DESCRIPTION	MAX WIDTH FOR BLADE INSERT	MAX. MATERIAL THICKNESS	NOTES
HP DuraBlade® guide assemblies are keyed for shapes at 0°, 45°, and 90°. Punch blades are Ultima Premium tool steel.	.750" [19.05mm]	.250" [6.35mm] 	• Ultima Premium tool steel is available on dies. • .062" [1.6mm] rooftop shear is given to all punches with 'A' dimension >2.000" [50.8mm] and width >.250" [6.35mm].

US Headquarters tel: 800.328.9646 punching@wilsontool.com
Canada tel: 800.268.5573 punchingcanada@wilsontool.com
Mexico tel: 001.800.741.2510 punzonado@wilsontool.com



	DESCRIPTION	CAT. NO.
1	Stripper Clip	5521
2	Guide Stripper Ring	5528
3	Spring	971694
4	Wave Spring	8155
5	Locking Button	5519
6	Special Pin	5522
7	Guide Unit Only	5659
8	Lock Washer	2112
9	Socket Head Cap Screw [M5 x 10.87mm]	5197
10	Set Screw [M6 x 8mm]	6298
11	Punch Holder with Bushing	5655
12	Punch Holder Key	1862
13	Socket Head Cap Screw [M5 x 12mm]	6110
14	Disc Spring	971690
15	Socket Head Cap Screw [M12 x 55mm]	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

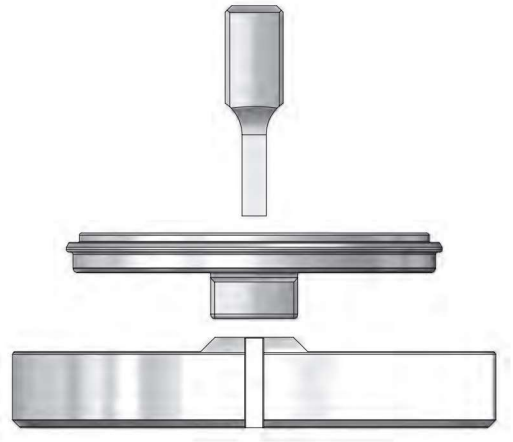
Cat. No. 5654
Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 7, 8, 9

Cat. No. 5727
Spring Pack Assembly includes:
17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27

HP DURABLADE® E STATION



GUIDE ASSEMBLY



PUNCH

STRIPPER

DIE

SHIM

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

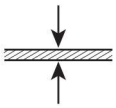
PUNCH	CAT. NO	PRICE
Blade	5630	
Optima® Coating		

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

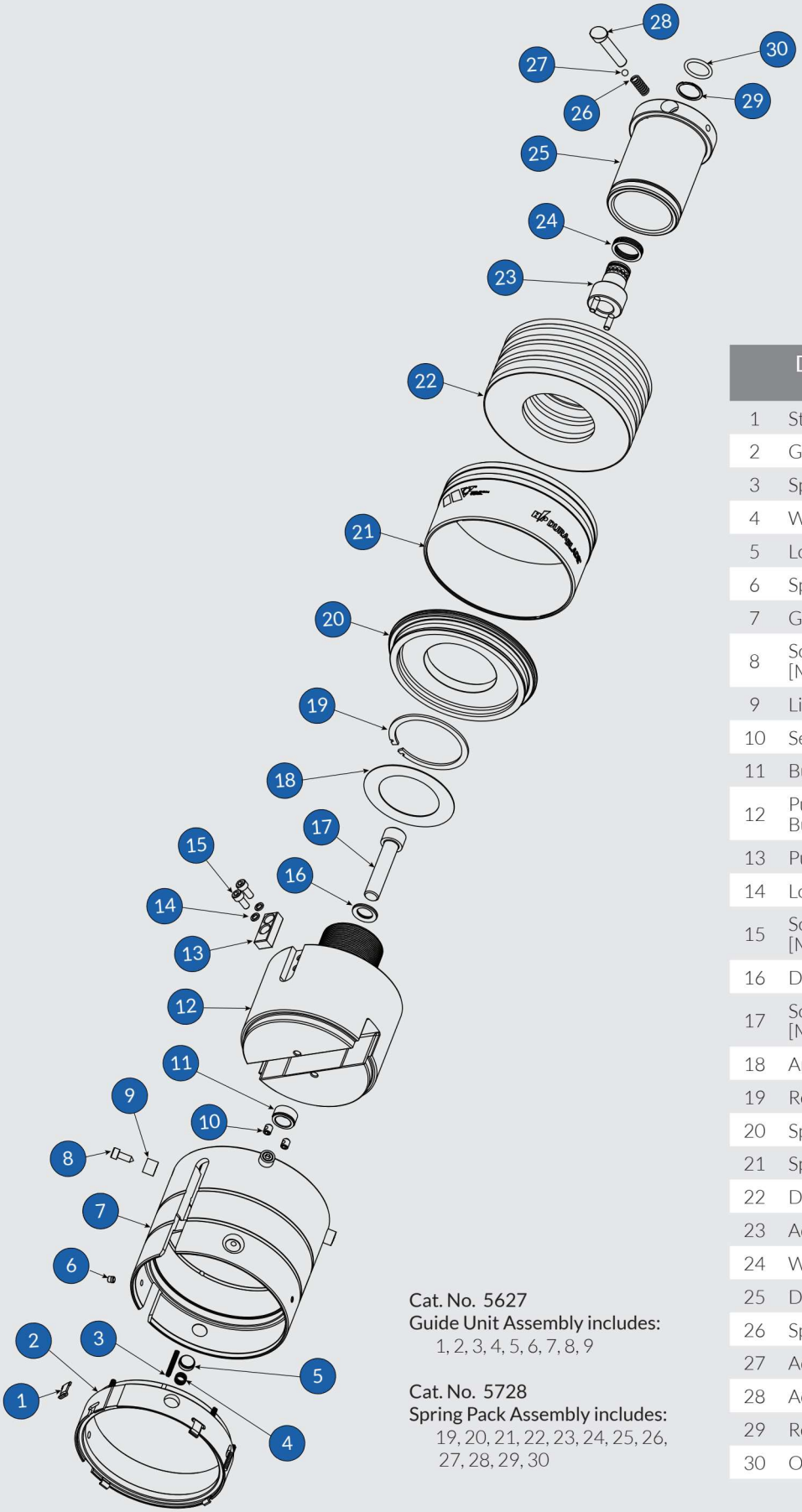
DIE	CAT. NO	PRICE
Slug Hugger® 2* (relief 2 sides, shape at 90°)	5502	
Slug Hugger® 2* (relief 2 sides, shape at 0°-90°)	5503	
Slug Hugger® 2* (relief 1 side, shape at 90°)	12968	
Slug Hugger® 2* (relief 1 side, shape at 0°-90°)	5504	
Positive (relief 2 sides, shape at 90°)	5095	
Positive (relief 2 sides, shape at 0°-90°)	5338	
Positive (relief 1 side, shape at 90°)	2465	
Positive (relief 1 side, shape at 0°-90°)	5341	
Negative (relief 2 sides, shape at 90°)	5158	
Negative (relief 2 sides, shape at 0°-90°)	5339	
Negative (relief 1 side, shape at 90°)	2466	
Negative (relief 1 side, shape at 0°-90°)	5342	

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

DIE SHIM		CAT. NO.	PRICE
.010 [0.25mm]	pack of 5	2212	
.030 [0.76mm]	pack of 5	2730	
.060 [1.5mm]	pack of 5	2176	

DESCRIPTION	MAX WIDTH FOR BLADE INSERT	MAX. MATERIAL THICKNESS	NOTES
HP DuraBlade® guide assemblies are keyed for shapes at 0°, 45°, and 90°. Punch blades are Ultima Premium tool steel.	.750" [19.05mm]	.250" [6.35mm] 	• Ultima Premium tool steel is available on dies. • .062" [1.6mm] rooftop shear is given to all punches with 'A' dimension >2.000" [50.8mm] and width >.250" [6.35mm].

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	DESCRIPTION	CAT. NO.
1	Stripper Clip	5521
2	Guide Stripper Ring	5538
3	Spring	971694
4	Wave Spring	8155
5	Locking Button	5519
6	Special Pin	5522
7	Guide Unit Only	5632
8	Socket Head Cap Screw [M5 x 13.39mm]	5210
9	Lifter Button	5209
10	Set Screw [M6 x 8mm]	6298
11	Bushing	5631
12	Punch Holder with Bushing	5628
13	Punch Holder Key	1862
14	Lock Washer	2112
15	Socket Head Cap Screw [M5 x 12mm]	6110
16	Disc Spring	971690
17	Socket Head Cap Screw [M12 x 55mm]	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
Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 7, 8, 9

Cat. No. 5728
Spring Pack Assembly includes:
19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30



Die Assembly

Shim



Knock Out Tool

PARTING DURA-DIE	QTY.	'C' STATION CAT. NO.	'C' STATION PRICE	'D' STATION CAT. NO	'D' STATION PRICE	'E' STATION CAT. NO	'E' STATION PRICE
Insert - Positive	1	12991		13008		13013	
Insert - Slug Hugger® 2	1	12992		13009		13014	
*Die Base Assembly at 0° and 90°	1	12989		13006		13015	
Die Base		12990		13007		13016	
Shim Pack	1	12995		13012		13017	
Knock Out Tool		24310		24310		24313	
M6 x 10mm Large Retaining Screw (3 required)	1	24323		24323		24323	
Maximum length		2.008" [51mm]		3.386" [86mm]		4.400" [111.8mm]	
Maximum width		.276" [7mm]		.250" [6.35 mm]		.375" [9.52mm]	
Maximum clearance for maximum length		.020" [.51mm]		.040" [1.02mm		.030" [.76mm]	



Die Assembly

Shim



Knock Out Tool

CLOSE-TO-CLAMP PARTING DURA-DIE	QTY.	'D' STATION CAT. NO.	'D' STATION PRICE	'E' STATION CAT. NO.	'E' STATION PRICE
Insert - Positive (relief 2 sides)	1	13281		13289	
Insert - Slug Hugger 2 (relief 2 sides)	1	13282		13290	
Die Base Assembly at 0° and 90°	1	13276		13284	
Die Base		13278		13286	
Shim Pack	1	13012		13017	
Knock Out Tool		24310		24313	
M6 x 10mm Large Retaining Screw (3 required)	1	24323		24323	
Maximum length		3.189" [81mm]		4.400" [111.8mm]	
Maximum width		.276" [7mm]		.375" [9.52mm]	
Maximum clearance for maximum length		.020" [.51mm]		.030" [.76mm]	

NOTES

- All die base assemblies include die base, knock out tool and shim pack
- Die inserts are Ultima Premium tool steel
- Die insert ordered separately

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'D' STATION

PUNCH		CAT. NO.	PRICE
Thin Clamps	S-80	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® 2*	(relief 2 sides, shape at 90°)	5499	
Slug Hugger® 2*	(relief 2 sides, shape at 0°-90°)	5500	
Slug Hugger® 2*	(relief 1 side, shape at 90°)	12966	
Slug Hugger® 2*	(relief 1 side, shape at 0°-90°)	5501	
Positive	(relief 2 sides, shape at 90°)	5101	
Positive	(relief 2 sides, shape at 0°-90°)	5328	
Positive	(relief 1 side, shape at 90°)	2462	
Positive	(relief 1 side, shape at 0°-90°)	5331	
Negative	(relief 2 sides, shape at 90°)	5156	
Negative	(relief 2 sides, shape at 0°-90°)	5329	
Negative	(relief 1 side, shape at 90°)	2463	
Negative	(relief 1 side, shape at 0°-90°)	5332	

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

'E' STATION

PUNCH		CAT. NO.	PRICE
Thin Clamps	S-80	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® 2*	(relief 2 sides, shape at 90°)	5502	
Slug Hugger® 2*	(relief 2 sides, shape at 0°-90°)	5503	
Slug Hugger® 2*	(relief 1 side, shape at 90°)	12968	
Slug Hugger® 2*	(relief 1 side, shape at 0°-90°)	5504	
Positive	(relief 2 sides, shape at 90°)	5095	
Positive	(relief 2 sides, shape at 0°-90°)	5338	
Positive	(relief 1 side, shape at 90°)	2465	
Positive	(relief 1 side, shape at 0°-90°)	5341	
Negative	(relief 2 sides, shape at 90°)	5158	
Negative	(relief 2 sides, shape at 0°-90°)	5339	
Negative	(relief 1 side, shape at 90°)	2466	
Negative	(relief 1 side, shape at 0°-90°)	5342	

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

NOTES

.062" [1.6mm] rooftop shear is given to all punches with 'A' dimension >2.000" [50.8mm] and width >.250" [6.35mm].

STANDARD PARTING TOOLS



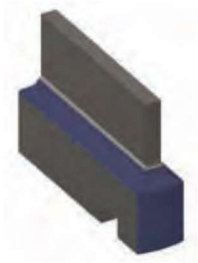
REPLACEABLE INSERT ASSEMBLY

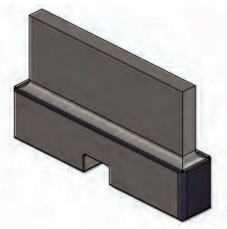
MAX BLADE WIDTH inch [mm]	BODY (1/2" - 13) CAT. NO.	BODY (1/2" - 13) PRICE	BODY (M 12) CAT. NO.	BODY (M 12) PRICE	BODY (M 14) CAT. NO.	BODY (M 14) PRICE	PUNCH BLADE CAT. NO.	PUNCH BLADE PRICE	SET (1/2" - 13) CAT. NO.	SET (1/2" - 13) PRICE	SET (M 12) CAT. NO.	SET (M 12) PRICE	SET (M 14) CAT. NO.	SET (M 14) PRICE
'C' Station														
.750 [19]	2623		2625		14730		2590		2568		2624		14733	
'D' Station														
.750 [19]	1966		2286		14731		1967		1965		2372		14734	
'E' Station														
.750 [19]	1969		2287		14732		1970		1968		2373		14735	

PARTS DESCRIPTION	CAT. NO.	PRICE
Socket Head Cap Screw – 3/8" - 16 x 1-1/2" long for 2" (C) station	6391	
Socket Head Cap Screw – 3/8" - 16 x 1" long for 3-1/2" (D) and 4-1/2" (E) 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'. Punch insert is compatible with Amada's Insert Parting Tool (.750" wide blade	Blade insert punches < .375" [9.53mm] in width are shipped with no shear unless specified. Double Valley Shear is recommended for widths of .187" [4.75mm] - .375" [9.53mm] and minimum lengths of 2.000" [50.8mm] when used for nibbling.







MATE STYLE BLADE	MAX BLADE WIDTH inch [mm]	CAT. NO.	PRICE
'C ' Station	.708 [18]	15547	
'D' Station	.708 [18]	14046	
'E' Station	.708 [18]	14047	

Optima® Coating

AMADA STYLE BLADE	ALPHA MAX BLADE WIDTH inch [mm]	ALPHA CAT. NO.	ALPHA PRICE	STANDARD MAX BLADE WIDTH inch [mm]	STANDARD CAT. NO.	STANDARD PRICE
'C ' Station	-	-	-	1.102 [28]	14180	
'D' Station	.787 [20]	14044		.630 [16]	14201	
'E' Station	.787 [20]	14045		.630 [16]	14202	

Optima® Coating

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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
- Large station punches are M-12

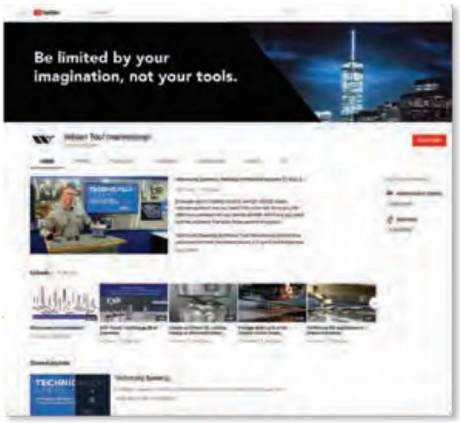
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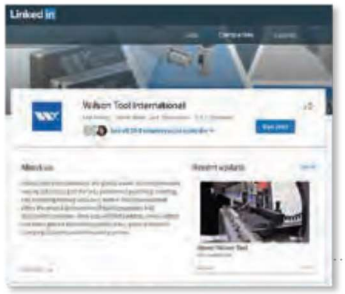




Our **e-newsletters** provide a solutions-based article to improve performance and productivity in your shop. In addition, they keep you up to date on the latest product and industry news along with training and event information. Sign-up at wilsontool.com or wilsontool.com/es-mx

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

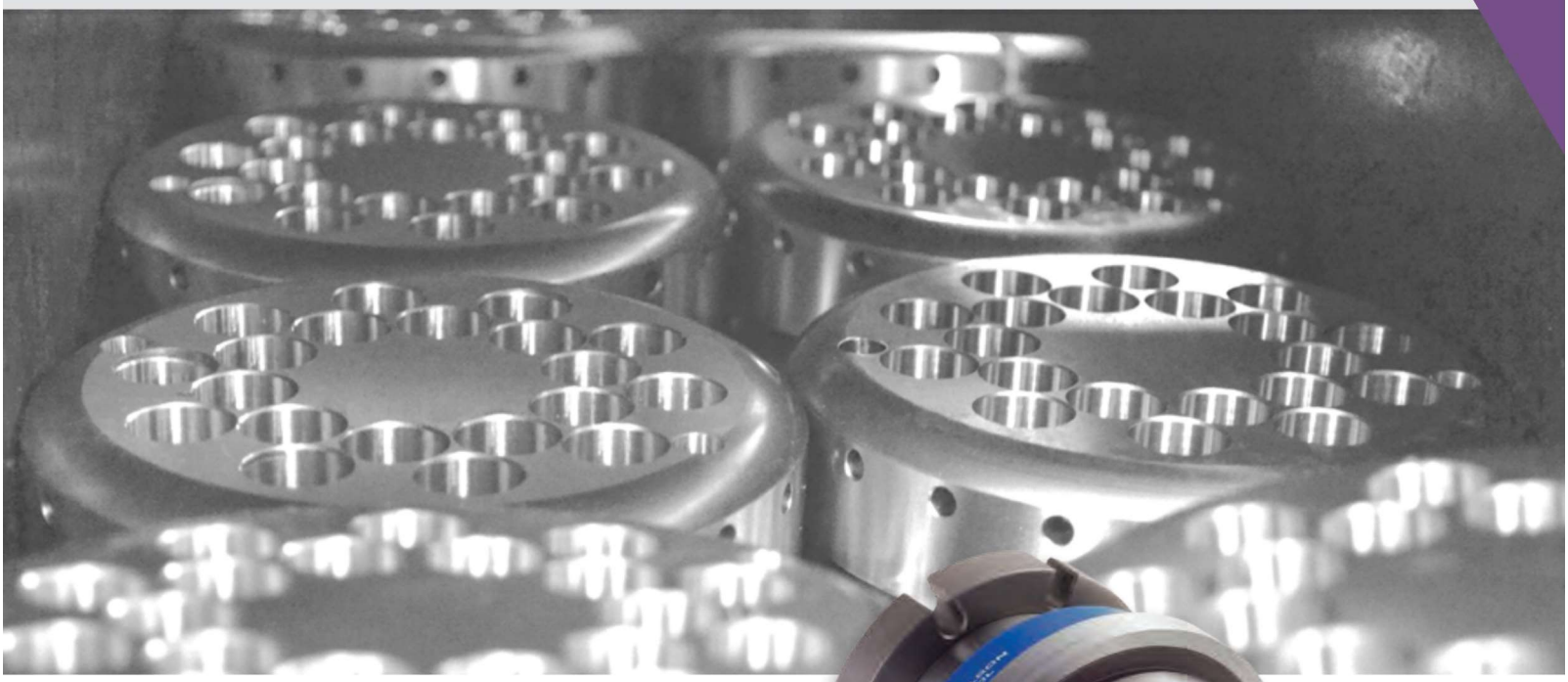




We post technical articles, helpful solutions, new products, free webinars and more to our **LinkedIn** company pages on a near daily basis. Follow us in English at linkedin.com/company/wilson-tool-international or in Spanish at linkedin.com/showcase/wilson-tool-international-en-espanol

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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 Tool's Multi-Tools are engineered with the strongest available tool steel.

MTX 'R' Series

With easier than ever tool-less adjustments and changes, with no additional tooling inventory needed. With HP and EXP® thick turret punches, strippers and dies, you can maximize 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 a snap
- 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



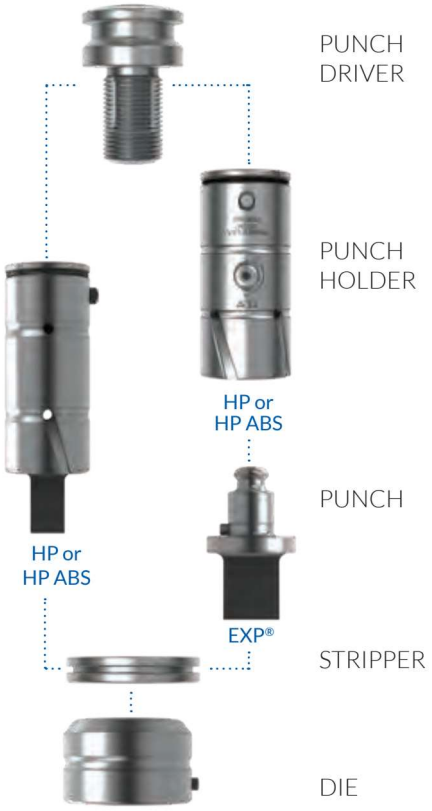
MT7A

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 and guide assemblies and dies.

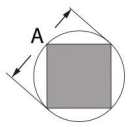
MTX3IR ROTATIONAL - INDEXABLE MULTI-TOOLS







UPPER & LOWER ASSEMBLY	CAT. NO.
MTX3iR Assembly *Tool kit with punch drivers included*	Call Sales Desk
PUNCH DRIVER	**CAT. NO.**
Punch Driver	45481
Tool Kit	7024
PUNCH	**CAT. NO.**
*HP Round	2407
*HP Shape	2408
*HP Round ABS	2398
*HP Shape ABS	2399
** EXP Round	13916
** EXP Shape	13917
Optima® Coating	-
*Requires a Punch Driver ** Requires an EXP punch holder and driver	
PUNCH HOLDER	**CAT. NO.**
EXP Shape HP	13989
EXP Shape HP ABS	13918
STRIPPER	**CAT. NO.**
Round	1890
Shape	1917
Round ABS	2433
Shape ABS	2432
DIE	**CAT. NO.**
Round Slug Hugger®*	2194
Round Standard	2021
Shape Slug Hugger® 2*	12961
Shape Positive	2025
Shape Negative	2026
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*	

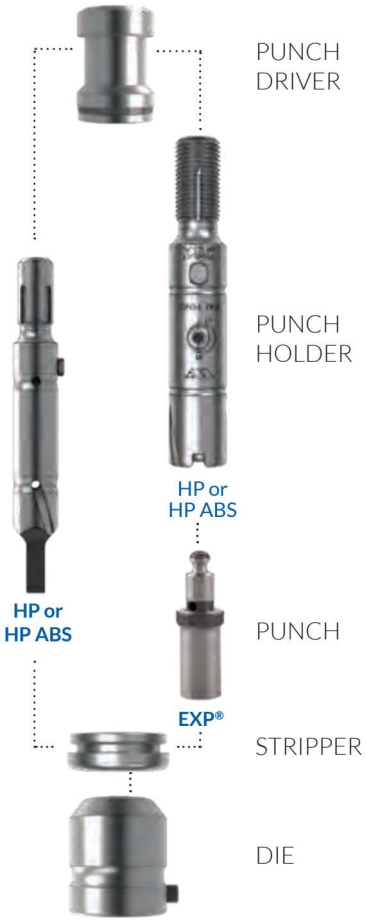
INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX A DIMENSION	MAX. MATERIAL THICKNESS
• Machine Make • Machine Model • Machine Serial Number	Available for the following machine makes: Prima Power LVD Strippit Durma Baykal Murata Wiedemann Thick	1.250" [31.75mm] 	16 Tons Max [142 Kn] .250" [6.35mm] 

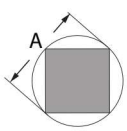
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Mexico tel: 001.800.741.2510 punzonado@wilsontool.com





UPPER & LOWER ASSEMBLY	CAT. NO.
MTX8iR Assembly *Tool kit with punch drivers included*	Call Sales Desk
PUNCH DRIVER	**CAT. NO.**
Punch Driver	45493
Tool Kit	7025
PUNCH	**CAT. NO.**
*HP Round	2405
*HP Shape	2406
*HP Round ABS	2385
*HP Shape ABS	2389
** EXP Round	13904
** EXP Shape	13905
Optima® Coating	-
* Requires a Punch Driver ** Requires an EXP punch holder and driver	
PUNCH HOLDER	**CAT. NO.**
EXP Shape HP	13975
EXP Shape HP ABS	13906
STRIPPER	**CAT. NO.**
Round	13044
Shape	13143
Round ABS	13045
Shape ABS	13152
DIE	**CAT. NO.**
Round Slug Hugger®*	2192
Round Standard	1808
Shape Slug Hugger® 2*	12959
Shape Positive	1817
Shape Negative	1818
** Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.*	

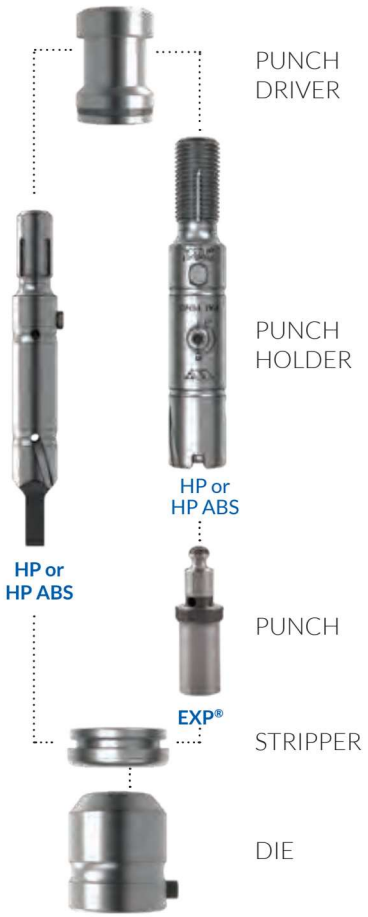


MAX. MATERIAL THICKNESS	MAX 'A' DIMENSION	MACHINE COMPATIBILITY	INFORMATION NEEDED
7 Tons Max [62 Kn] .250" [6.35mm] 	.500" [12.7mm] 	Available for the following machine makes: Prima Power LVD Strippit Durma Baykal Murata Wiedemann Thick	• Machine Make • Machine Model • Machine Serial Number

MTX8I INDEXABLE MULTI-TOOL





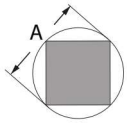


UPPER & LOWER ASSEMBLY	CAT. NO.
MTX8i *Tool kit with punch drivers included*	Call Sales Desk
PUNCH DRIVER	**CAT. NO.**
Punch Driver	45493
Tool Kit	7025
PUNCH	**CAT. NO.**
*HP Round	2405
*HP Shape	2406
*HP Round ABS	2385
*HP Shape ABS	2389
** EXP Round	13904
** EXP Shape	13905
Optima® Coating	-

* Requires a Punch Driver
** Requires and EXP punch holder and driver

PUNCH HOLDER	CAT. NO.
EXP Shape HP	13975
EXP Shape HP ABS	13906
STRIPPER	**CAT. NO.**
Round	13044
Shape	13143
Round ABS	13045
Shape ABS	13152
DIE	**CAT. NO.**
Round Slug Hugger®*	2192
Round Standard	1808
Shape Slug Hugger® 2*	12959
Shape Positive	1817
Shape Negative	1818

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

INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX A DIMENSION	MAX. MATERIAL THICKNESS
• Machine Make • Machine Model • Machine Serial Number	Available for the following machine makes: Prima Power	.500" [12.7mm] 	7 Tons Max [62 Kn] .250" [6.35mm] 

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Mexico tel: 001.800.741.2510 punzonado@wilsontool.com

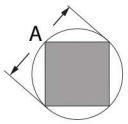
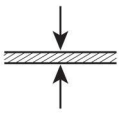
UPPER & LOWER ASSEMBLY	CAT. NO.
MT20i	Call Sales Desk
PUNCH	**CAT. NO.**
Round	6838
Shape	6839
Optima® Coating	-
STRIPPER	**CAT. NO.**
Round	6829
Shape	35079
DIE	**CAT. NO.**
Round Slug Hugger®*	6185
Round Standard	6081
Shape Slug Hugger® 2*	6885
Shape Positive	6149
Shape Negative	6190

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



MT20i Assembly



INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX A DIMENSION	MAX. MATERIAL THICKNESS
• Machine Make • Machine Model • Machine Serial Number	Available for the following machine makes: Prima Power LVD Strippit Goiti Danobat Rainer JFY	.315" [8mm] 	.197" [5mm] mild steel and Aluminum .078" [2mm] stainless steel 

MT6A Assembly

for Prima Power Machines



DESCRIPTION	CAT. NO.
MT6A Punch & Die Assembly	45258
Upper Assembly	45107
Lower Assembly	45241

This Multi-Tool accepts all styles of 'A' station punch and guide assemblies and dies.

MT7A Assembly

for Amada Machines



DESCRIPTION	CAT. NO.
MT7A Punch & Die Assembly	13637
Upper Assembly	13638
Lower Assembly	13639

This Multi-Tool accepts all styles of 'A' station punch and guide assemblies and dies.

TOOLING FOR MULTI-TOOLS

MT3iR

PUNCH	CAT. NO.
Round Punch & Driver Assembly	35306
Round Punch	2398
Shape Punch & Driver Assembly	35296
Shape Punch	2399
Optima® Coating	-
STRIPPER	**CAT. NO.**
Round	77232
Shape	77233
DIE	**CAT. NO.**
Round Slug Hugger®*	77236
Round Standard	77234
Shape Slug Hugger® 2*	77237
Shape Positive	77235

Max 'A' Dim
1.250" [31.75mm]



MT8iR

PUNCH	CAT. NO.
Round Punch	6835
Shape	6836
Optima® Coating	-
STRIPPER	**CAT. NO.**
Round	474
Shape	473
DIE	**CAT. NO.**
Round Slug Hugger®*	6177
Round Standard	6164
Shape Slug Hugger® 2*	6889
Shape Positive	6165
Shape Negative	6178

Max 'A' Dim
.630" [16mm]



MT 6-16 & MT 10-16

PUNCH	CAT. NO.
Round Punch	6075
Shape	6076
Optima® Coating	-
STRIPPER	**CAT. NO.**
Round	6073
Shape	6074
DIE	**CAT. NO.**
Round Slug Hugger®*	6187
Round Standard	6077
Shape Slug Hugger® 2*	6883
Shape Positive	6078
Shape Negative	6192

Max 'A' Dim
.630" [16mm]



MT 12-8

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

Max 'A' Dim
.315" [8mm]



MT 6-24 & MT 8-24

PUNCH		CAT. NO.
Round Punch		6150
Shape		6153
Optima® Coating		-
STRIPPER		**CAT. NO.**
Round		6151
Shape (.750", 19.05mm Max 'A' dim)		6827
Shape (7.756", 19.05mm 'A' dim)		6154
DIE		**CAT. NO.**
Round Slug Hugger®*		6189
Round Standard		6152
Shape Slug Hugger® 2*	.750" max	6886
Shape Slug Hugger® 2*	>.750"	6887
Shape Positive	.750" max	6828
Shape Positive	>.750"	6155
Shape Negative	.750" max	6830
Shape Negative	.750" max	6194

Max 'A' Dim
.945" [24mm]



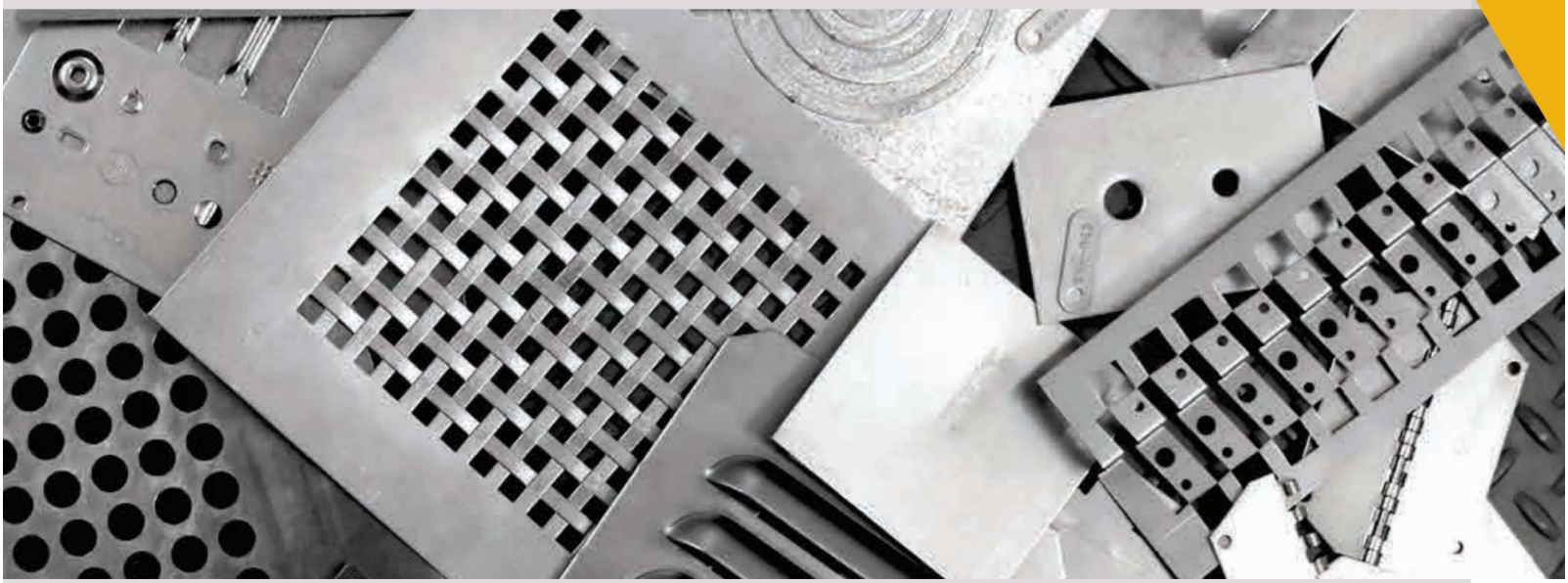
MT 20-8 & MT 24-8

PUNCH	CAT. NO.
Round Punch	6080
Shape	6147
Optima® Coating	-
STRIPPER	**CAT. NO.**
Round	6146
Shape	6148
DIE	**CAT. NO.**
Round Slug Hugger®*	6185
Round Standard	6081
Shape Slug Hugger® 2*	6885
Shape Positive	6149
Shape Negative	6190

Max 'A' Dim
.315" [8mm]



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



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 International 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 Tool's 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 Tool 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 Tool's special tools are manufactured to our superior quality standards and tolerances and with the shortest lead times available.

YOU NEED BETTER SOLUTIONS, FASTER!

Wilson Tool 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.

QUICKTAP™ TAPPING TOOL C-STATION





DESCRIPTION	CAT. NO.	PRICE
C-Station QuickTap Tapping Kit*	14478	
QuickTap Endure Tapping Oil (5 Gallons)	14525	
QuickTap Vapor Tapping Oil (5 Gallons)	14526	
QuickTap Tapping Tool Lubricant (1 Pint)	987485	
Prolong Grease (14 oz. Cartridge)	987487	
Ejector Repair Kit	14504	

*Kit includes all items needed to install, operate and maintain the tool except tapping oil.

	TiN COATED		TiCN COATED	
STOCK TAPS†	CAT. NO.	PRICE	CAT. NO.	PRICE
2-56, H3	987449		987450	
4-40, H3	—		987452	
4-40, H5	987451		—	
4-40, H7	987453		—	
6-32, H5	987454		987455	
6-32, H7	987456		—	
8-32, H5	987458		987459	
8-32, H7	987460		987479	
10-24, H6	987461		987447	
12-24, H6	987464		987465	
10-32, H6	987462		987463	
M2.5 x .45 D5	987466		987467	
M3 x .5 D5	987469		987470	
M3 x .5 D7	987471		—	
M3.5 x .6 D6	987468		—	
M4 x .7 D6	987472		987474	
M5 x .8 D7	987475		987476	

†Additional sizes available upon request.

PITCH INSERT ASSEMBLIES	CAT. NO.	PRICE
#20	14476	
#24	14443	
#24 HD	14444	
#28	14498	
#32	14445	
#32 HD	14446	
#36	14447	
#40	14448	
#48	14449	
#56	14450	
M2 x .40	14451	
M2.5 x .45	14452	
M2.6 x .45	14499	
M3 x .5	14453	
M3.5 x .6	14454	
M4 x .7	14455	
M5 x .8	14456	
M5 x .8 HD	14457	

See this tool in action on the Wilson Tool YouTube Channel

APPLICATION

QuickTap™ allows you to create high precision threads at any programmed location on the sheet.

- Taps available in imperial or metric sizes
- Available for most major brands of thick turret style punch presses.

ADVANTAGES

- Fast! Tap a hole or an extruded hole with every machine stroke, up to 200 holes per minute.
- Built in tapping fluid injection system is synchronized with the machine stroke to reduce wear and breakage.
- Taps are easily changed, with no disassembly required.
- Works on a wide range of material.
- Stock size pitch inserts and taps are available for fast delivery.

INFORMATION NEEDED

- Machine model
- Material thickness and type
- Pitch and tap size

NOTES

Tap Range: #2-56 - 12-24 or M2.5-M5 metric

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DESCRIPTION	CAT. NO.	PRICE
D-Station QuickTap Tapping Kit*	14480	
QuickTap Endure Tapping Oil (5 Gallons)	14525	
QuickTap Vapor Tapping Oil (5 Gallons)	14526	
QuickTap Tapping Tool Lubricant (1 Pint)	987485	
Prolong Grease (14 oz. Cartridge)	987487	
Ejector Repair Kit	14504	

*Kit includes all items needed to install, operate and maintain the tool except tapping oil.

	TiN COATED		TiCN COATED	
STOCK TAPS†	CAT. NO.	PRICE	CAT. NO.	PRICE
10-24, H6	987461		—	
12-24, H6	987464		—	
1/4-20, H6	987478		—	
1/4-28, H6	987858		—	
5/16-18, H7	987667		—	
3/8-16, H5	987546		—	
M6 x 1.0, D8	987480		987481	
M8 x 1.25 D9	987681		—	
M10 x 1.5, D10	987682		—	

†Additional sizes available upon request.

PITCH INSERT ASSEMBLIES	CAT. NO.	PRICE
#16	14639	
#18	14638	
#20	14637	
#24	14636	
#28	14634	
#32	14632	
M6 x 1.0	14640	
M8 x 1.25	14641	
M10 x 1.5	14642	

See this tool in action on the Wilson Tool YouTube Channel

APPLICATION

QuickTap™ allows you to create high precision threads at any programmed location on the sheet.

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ADVANTAGES

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- Built in tapping fluid injection system is synchronized with the machine stroke to reduce wear and breakage.
- Taps are easily changed, with no disassembly required.
- Works on a wide range of material.
- Stock size pitch inserts and taps are available for fast delivery.

INFORMATION NEEDED

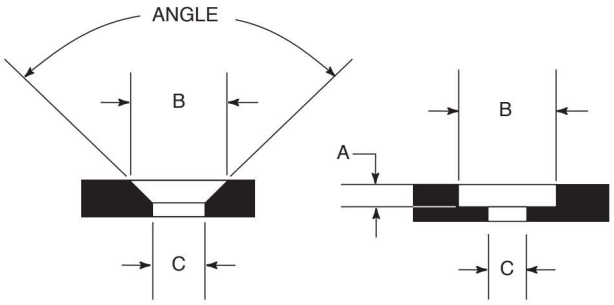
- Machine model
- Material thickness and type
- Pitch and tap size

NOTES

Tap Range: #10-24 - 3/8-16 or M6-M10 metric



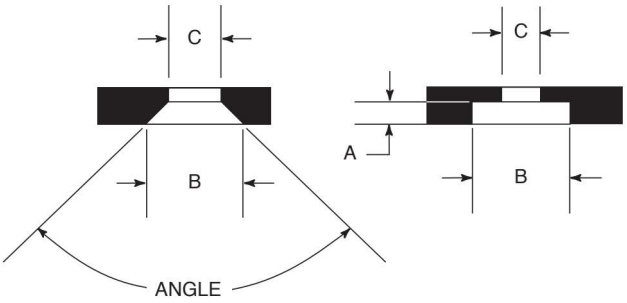
FORM DOWN



Coined Countersink

Coined Counterbore

FORM UP



Estimated pre-punch formula:
B - [(B - C) X .75] = Pre-punch

COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Coining tools are used for forming countersinks and counter bores for screws or to deburr the edge of a hole.	• Coining on the punch press eliminates costs and time when compared to a secondary operation of machining countersinks. • Interchangeable inserts for form down countersinks allow you to easily change coin sizes and reduce tooling costs. • Form up coin dies are self-stripping. • Multiple coating options available to aid in stripping	• Machine model • Material thickness and type • Angle, coin diameter (B), thru-hole size with or without pilot (C). • Form-up or form-down



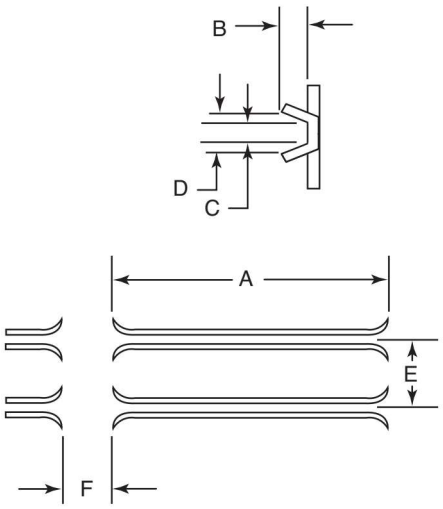
Standard



Wrap Around



Closed End



COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

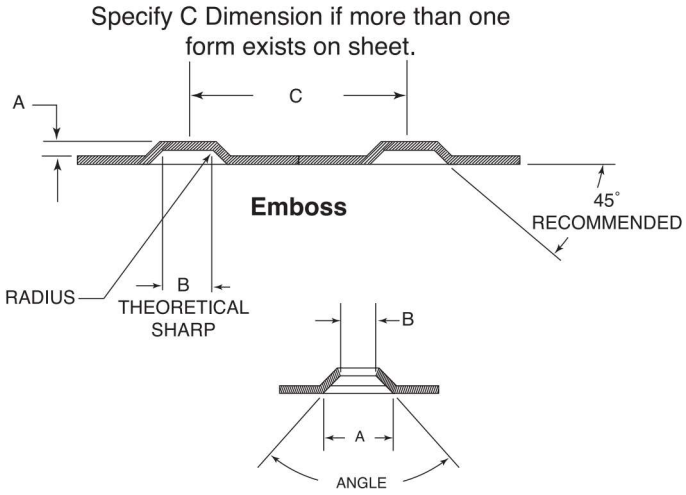
APPLICATION	ADVANTAGES	INFORMATION NEEDED
A card guide is used for retaining printed circuit boards that require standard lead-in or special lead-in shapes. Wilson Tool will estimate the web of material to be formed on all card guides and the pre-punch shape and size on special lead-in card guides.	• The replaceable insert design allows for lower costs and conversion to different size card guides. • Fast and simple length adjustment • Special lead-ins are available • Built in stripping for best results • Tooling is ABS capable • Multiple coating options available to aid in stripping	• Machine model • Material thickness and type • Dimensional drawing or electronic file - center-to-center location and narrowest pre-punch. • Pre-punch shape rectangle, obround, or rectangle with radius corners.

EMBOSS FORM-DOWN / FORM-UP







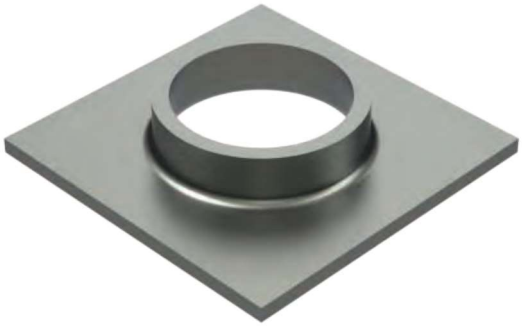


Formed Countersink

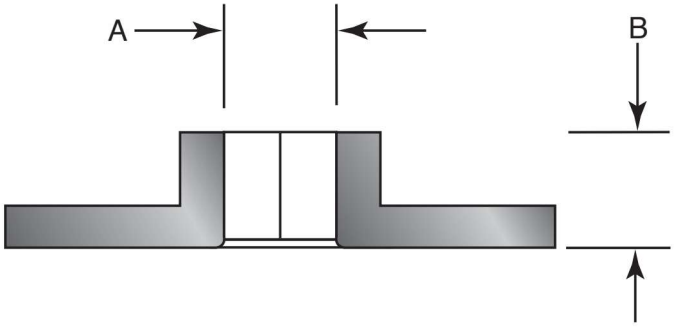
COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Embosses, dimples and forming tools are typically used to create stand-offs, spacers, countersinks, locks for nuts. Logo embosses and other special shapes can be manufactured easily when an electronic file is provided.	• All tools are made to achieve a consistent high quality form. • Form up designs are self-stripping. • A and B station embosses are full body designs to give maximum bearing area to sheet. • Large station tools are a punch, stripper, and die design that will fit your existing holder assembly.	• Material thickness and type • Machine model • Dimensional drawing or electronic file • Form-up or form-down • Style of large station guide assembly







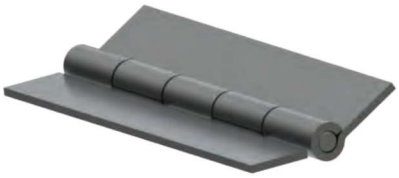
COMMON IN STATION SIZES:

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
½" 1¼" 2" 3½" 4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Extrusions are used in a broad spectrum of applications: • Self-tapping screws • Cooling tube holders • Air flow applications • Tread plates	• B station extrusions are an insert style for fast and economical replacement. • Form-down extrusions are designed to be self-stripping, providing consistent and trouble-free operation. • The large station universal holder provides cost savings and flexibility. Purchase only a punch tip, ejector and die assembly to change size. • The large station holder is ABS capable. • Multiple coating options available to aid in stripping.	• Machine model • Material thickness and type • I.D. and height or screw size and type • Tolerance of I.D. • Form-up or form-down • Specify center-to-center if more than one extrusion exists on the sheet

HINGE TOOL





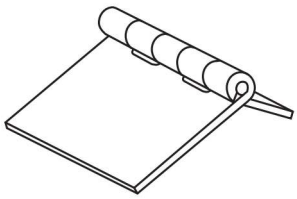
Offset Fully Curled Hinge

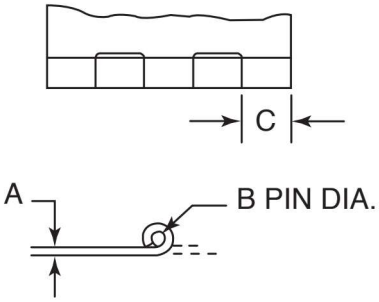


Standard Fully Curled Hinge



One-Hit Half Knuckle Hinge





COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

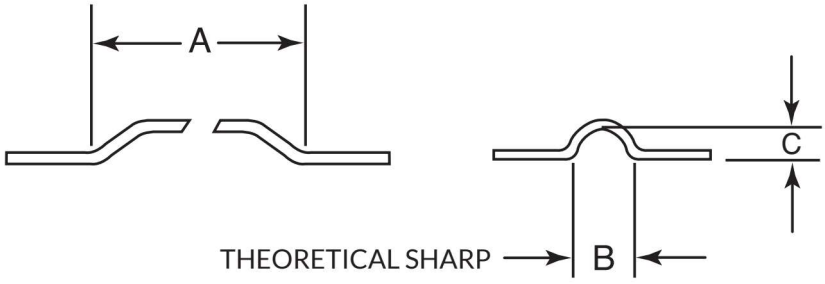
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Integrating a formed a hinge on the edge of the sheet in your turret machine eliminates the need for costly hardware and a secondary operation to weld or fasten them.	• Wilson Tool's one-hit hinge tool is achieved with 1 set of tools. • Standard hinge is achieved with 2 sets of tools. • Offset hinge requires 3 sets of tools.	• Machine model • Material thickness (A) and type • Dimensional drawing or electronic file - inside diameter or pin size (B) • Knuckle size (C)

See this tool in action on the Wilson Tool YouTube Channel

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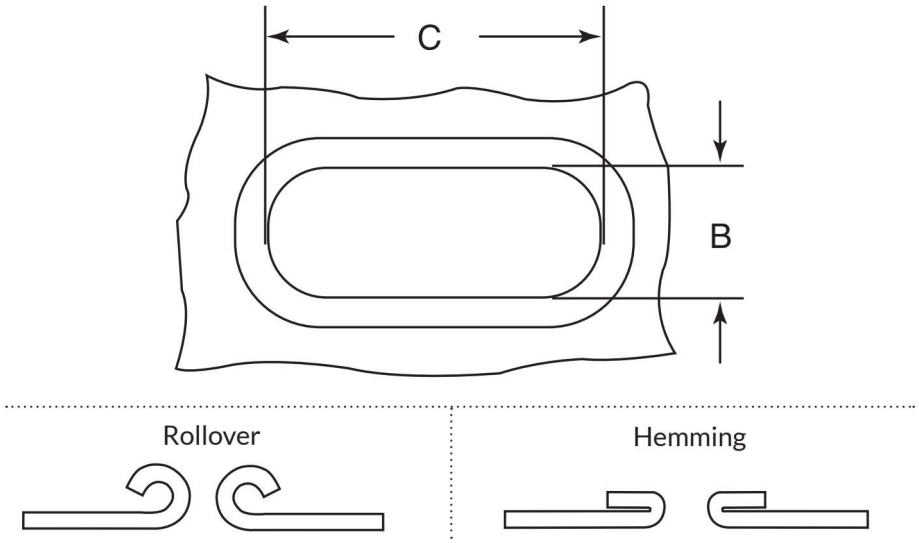
COMMON IN STATION SIZES: Ⓐ **B** **C** **D** **E**

½" 1¼" 2" 3½" 4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
A progressive rib produces quality stiffening ribs, programmable to any length. Rounded or flat top ribs are available. For best results, inside radius should be equal to or greater than the height. Run in nibbling mode recommended (incremental moves should be equal to the material thickness or less).	The large station universal holder provides fast and easy length adjustments, cost savings and flexibility: • Purchase a punch tip and die to change size • The same upper holder can be used for electrical knockouts, extrusions, and lance and forms. When changing material thicknesses, only one component is required. The large station holder is ABS capable.	• Machine model • Material thickness and type • Dimensional drawing or electronic file • Specify center-to-center if more than one form exists on the sheet

ROLLOVER TOOL



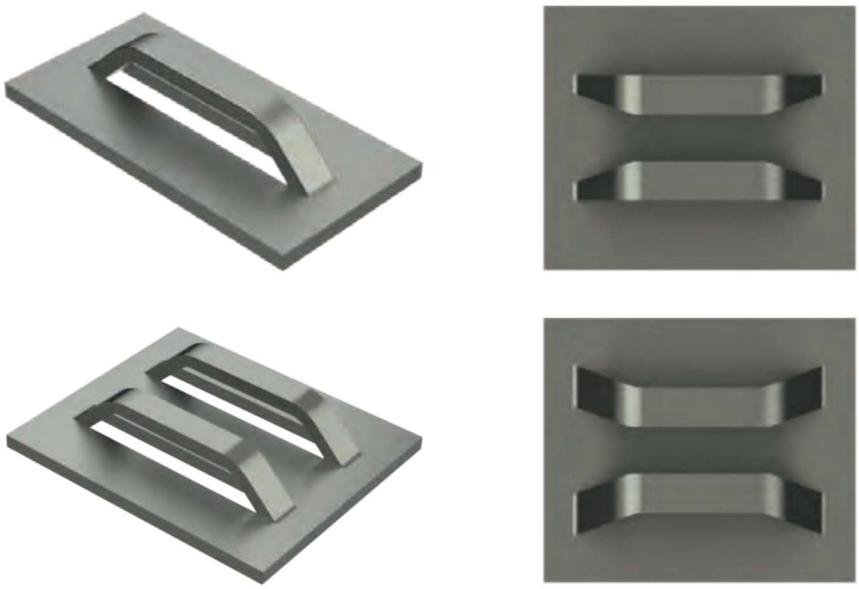


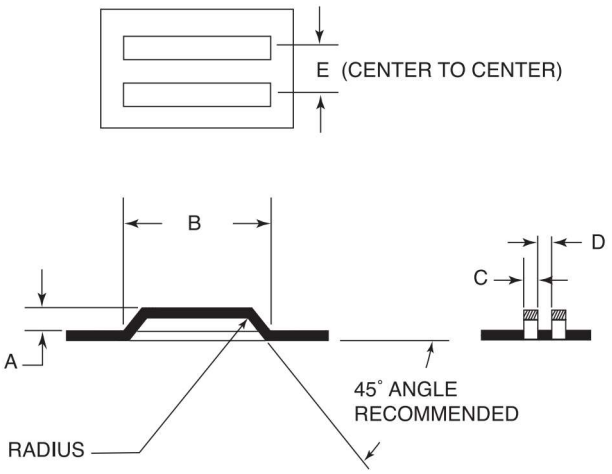
COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Rollover and hemming tools can be used in many applications such as hand holds, wire feeds and grommets. • Rollover is achieved in three operations: 1. Pre-punch (developed by Wilson Tool free of charge) 2. Form-up extrusion 3. Rollover • Hemming is achieved in three operations: 1. Pre-punch (developed by Wilson Tool free of charge) 2. Form-up extrusion 3. Flare & Flatten.	• Reduces costly secondary operations and handling. • Designed and manufactured to produce consistent results. • Multiple coating options available to extend tool life.	• Machine model • Material thickness and type • Diameter or length and width of opening (C, B) • Tolerance of opening • What type of application (hand hold, wire feed, etc.) • Style of guide assembly

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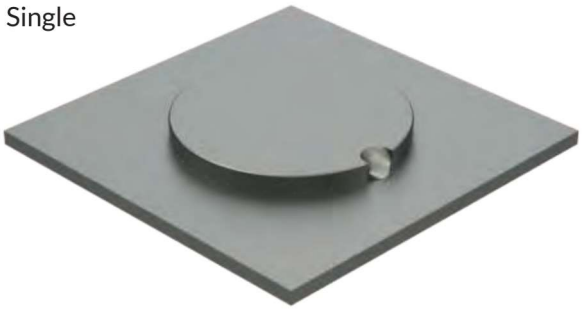


COMMON IN STATION SIZES:

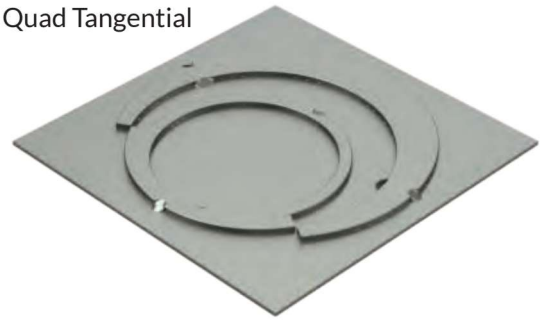
A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Bridge style lance and forms can be used for shear stops, locators, card guides, dividers, ventilation and wire tie downs.	The Wilson design creates a positive form ensuring a high quality, consistent part. Small and large station holders provide both cost savings and flexibility: • Purchase only a punch tip, ejector and die assembly to change size. • Use the same upper holder for other applications. Special lead-ins available. Form-down bridges are made self-stripping. The large station holder is ABS ready. Multiple coating options available to aid in stripping.	• Machine model • Material thickness and type • Dimensional drawing or electronic file for relief • Top, side and end views • Form-up or form-down

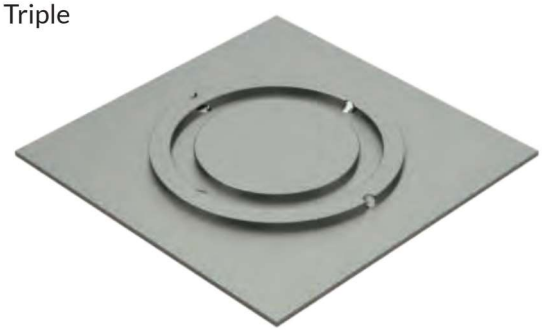
Single



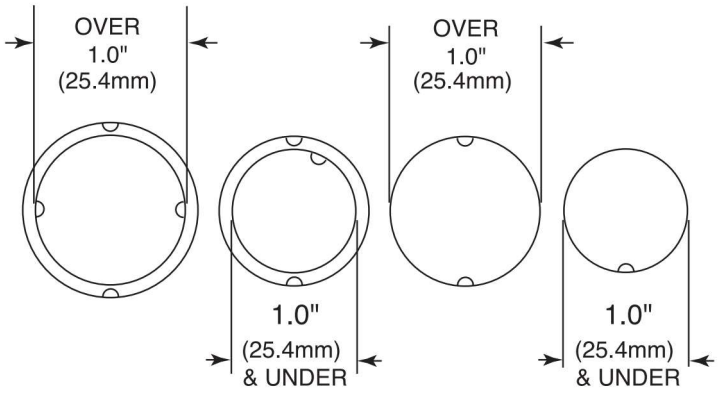
Quad Tangential



Triple



Standard Wilson Tool Tab Location



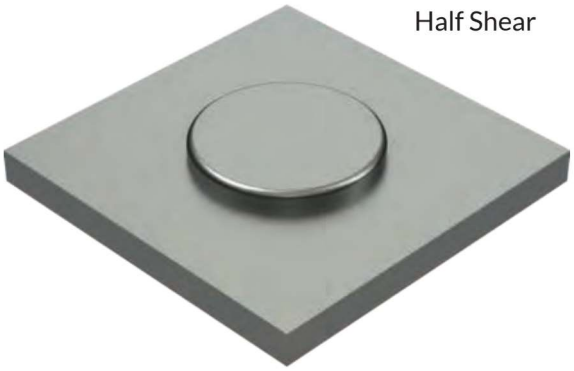
COMMON IN STATION SIZES:

Ⓐ B C D E

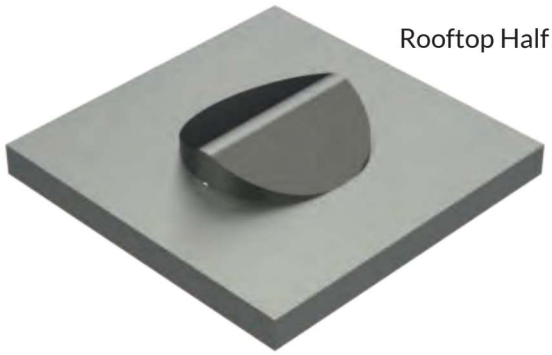
½" 1¼" 2" 3½" 4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Electrical knockouts (EKOs) are used to create connection points for cable pathways. Available for: • Single • Double (concentric or tangential) • Triple (concentric or tangential) • Quad (concentric or tangential) • Standard and special shapes Single or multiple tools can be used to produce the desired number of EKOs for your requirements.	Wilson Tool's EKO design has full stripping in both upper and lower units, which produce good quality, reliable knockouts every time. The universal holder provides both cost savings and flexibility. • Purchase only a punch tip, ejector and die assembly to change size. • Use the same upper holder for other applications. The large station holder is ABS capable. Multiple coating options available for extending tool life.	• Machine model • Material thickness, type or range • Actual diameter • Specify center-to-center if more than one knockout exists on the sheet. • Form-up or form-down

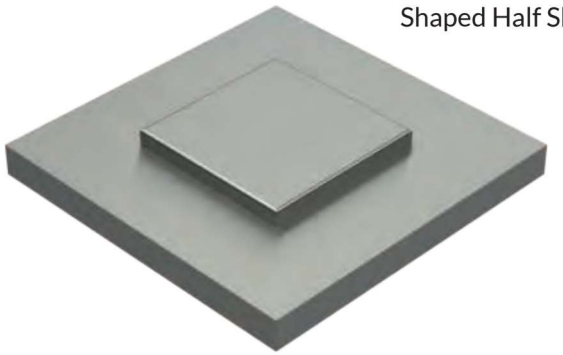
Half Shear



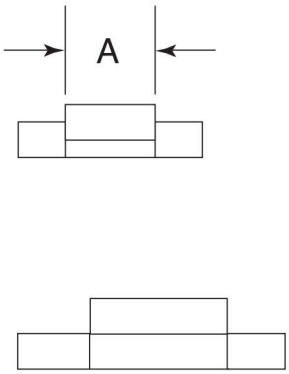
Rooftop Half Shear



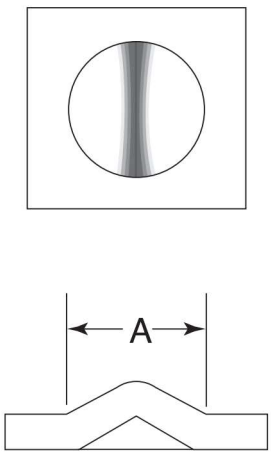
Shaped Half Shear



Half Shear



Rooftop Half Shear



COMMON IN STATION SIZES:

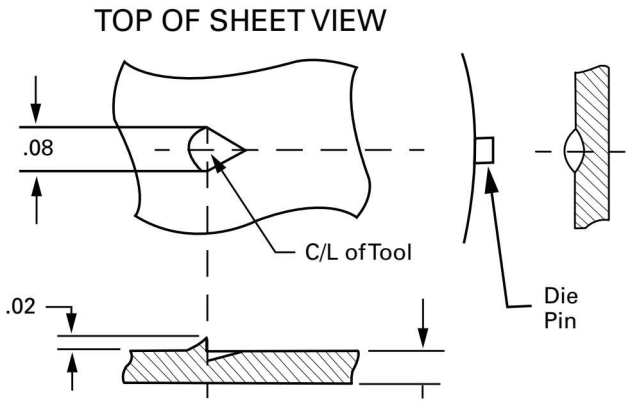
A	B	C	D	E
½"	1¼"	2"	3½"	4½"

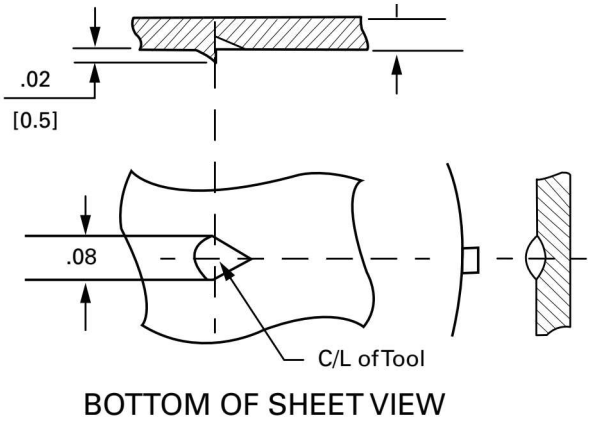
APPLICATION	ADVANTAGES	INFORMATION NEEDED
The half shear is an easy-to-use tool that allows you to put in shear buttons and spot welding locators to the accuracy of your punch press. Round half shears make excellent locators for angular shearing. Rooftop half shears have approximately a 3 gauge material thickness range.	Form-up half shears are available in stock sizes. B station form-up half shears have replaceable inserts up to .375" (9.53mm) diameter in lower unit. Rooftop half shears give you greater height protrusion compared to a standard half-shear when using thinner material. Half shears can be used on a .125" (3.17 mm) range of material.	• Machine model • Material thickness and type (or range) • Diameter or shape (on top of sheet) • Specify center-to-center if more than one exists on the sheet. • Form-up or form-down

SCRATCH TOOL





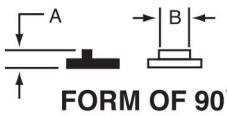




COMMON IN STATION SIZES:

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ
½" 1¼" 2" 3½" 4½"

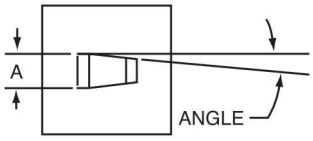
APPLICATION	ADVANTAGES	INFORMATION NEEDED
The scratch form can be used for spot welding locators, locators for angular shearing and shear stops. Height of the stop is .020" [.5mm] - .030" [.8mm]. Tool is designed with relief for .500" [12.7mm] centers.	Punches a range of material from .036" [.91mm] to .125" [3.18mm] Can be used in an Auto Index station	• Machine model • Material thickness and type • Specify top or bottom of the sheet scratch

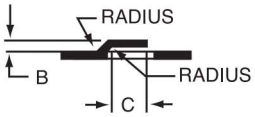


FORM OF 90˚

90° Form

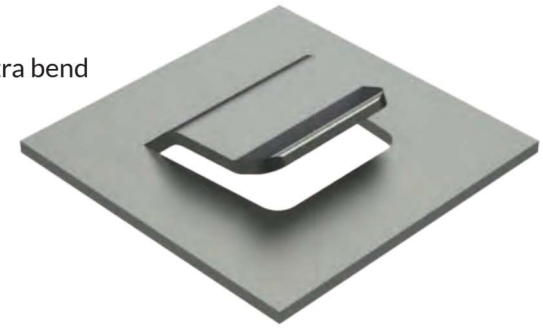


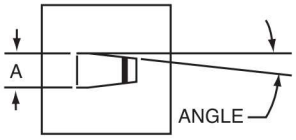


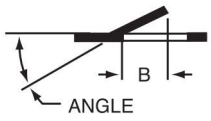


OTHER THAN 90˚

With extra bend

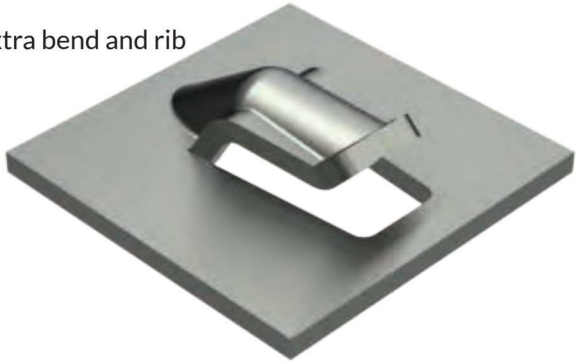






OTHER THAN 90˚

With extra bend and rib

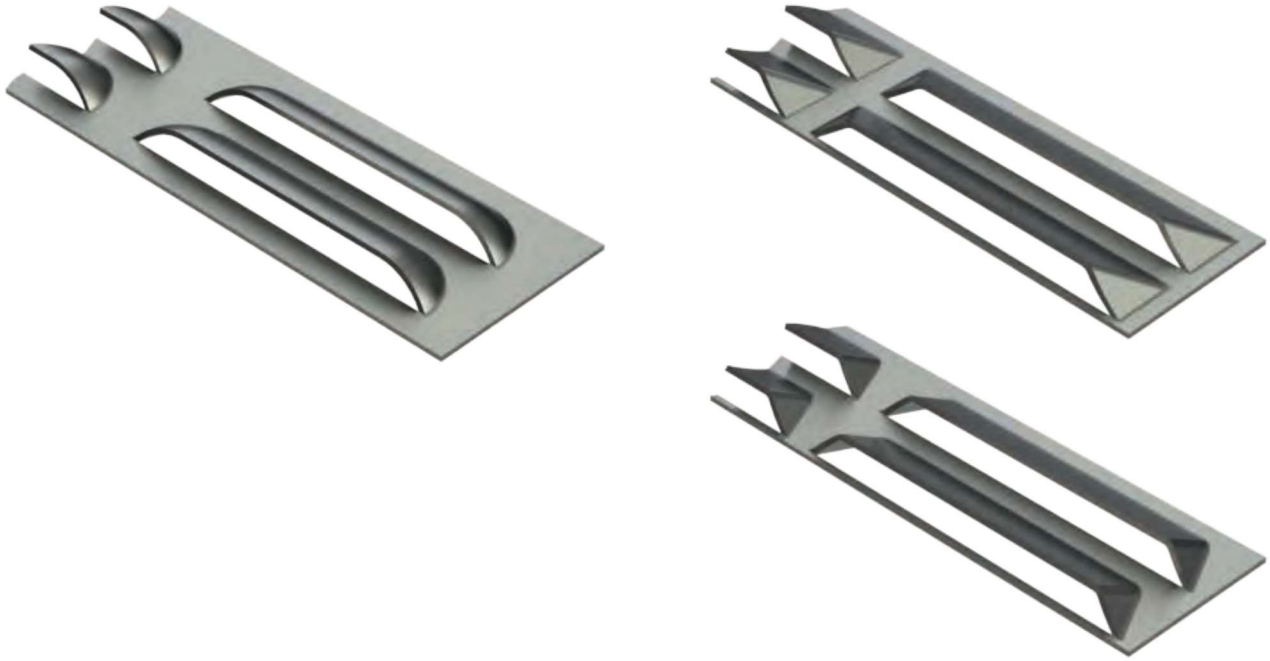


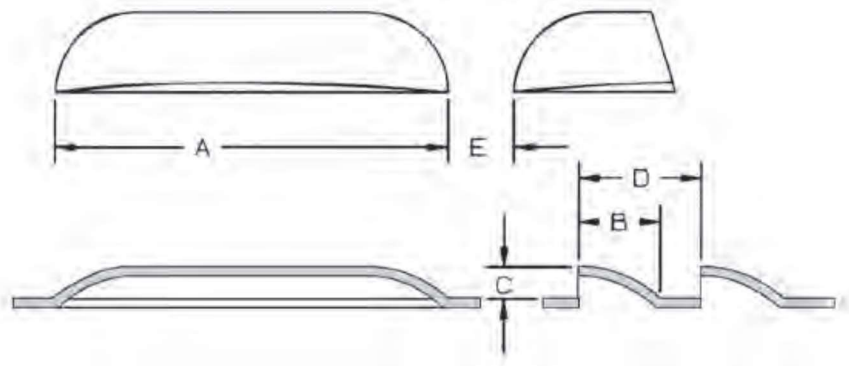
COMMON IN STATION SIZES:

Ⓐ B C D E
½" 1¼" 2" 3½" 4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Lance and forms are used for a variety of applications, including: Air flow Decoration Location markers Shear tabs Wire harnesses Clip attachments.	High-quality lance and forms are assured with Wilson's positive form and self-stripping design. Lance and form other than 90° holder provides both cost savings and flexibility; • Purchase only a punch tip, ejector and die assembly to change size; • Use the same upper holder for other applications. The large station holder is ABS capable. Multiple coating options available to extend tool life.	• Machine model • Material thickness and type • Dimensional drawing or electronic file and pattern if relief is required. • Style of large station guide assembly - for lance and forms of 90° only (e.g. series 80/90, Old Style, etc.) • A taper of 5° per side should be added (if possible) to aid in stripping large station lance and forms. • Form-up or Form-down

LOUVERS





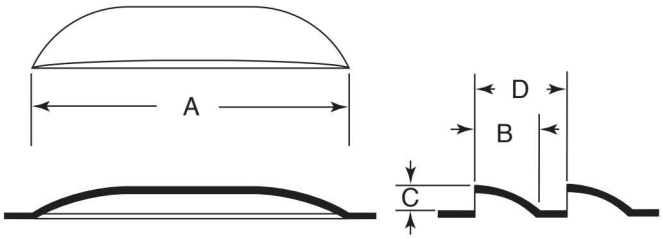
COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Louvers are used in a variety of industry applications that require airflow; electrical enclosures, HVAC, and food service equipment. Single hit louvers can be placed back to back (no web between louvers.)	Lower costs with replaceable inserts that can be converted to different size louvers. Stock sizes available. The large station universal holders provide both cost savings and flexibility: • Purchase only pocket, cutting, and forming inserts to change size. • Use the upper holder for other applications Keying at 0°, 90°, 180°, and 270° is standard The large station holder is ABS ready. Multiple coating options available to extend tool life.	• Machine model • Material thickness and type • Dimensional drawing or electronic file

US Headquarters tel: 800.328.9646 punching@wilsontool.com | **Canada** tel: 800.268.5573 punchingcanada@wilsontool.com | **Mexico** tel: 001.800.741.2510 punzonado@wilsontool.com





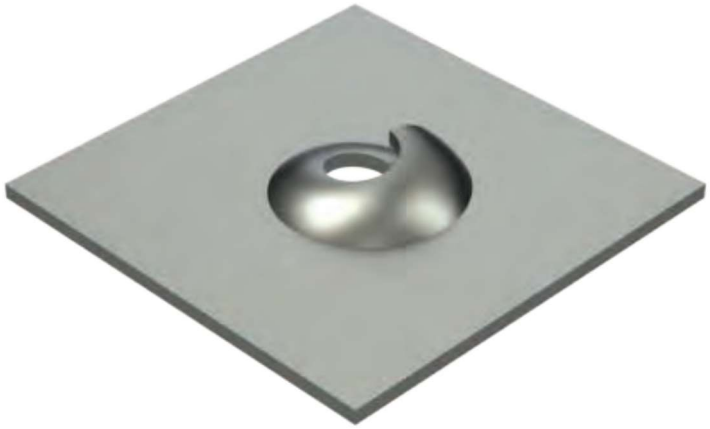
"A" dimension is programmable to any length.
Form length on first full hit is approximately
2-1/4" (57mm) long.

COMMON IN STATION SIZES:

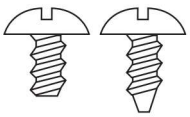
A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Progressive louvers are used in a variety of industry applications that require airflow; Electrical enclosures, HVAC, and food service equipment. The progressive design produces various length louvers to give flexibility using one tool. Run in nibbling mode (recommended incremental moves equal to the material thickness or less). A Do's and Don'ts information sheet is provided for ease of programming.	Lower costs with replaceable inserts that can be converted to different size louvers. Stock sizes available. The large station universal holders provide both cost savings and flexibility: • Purchase only pocket, cutting, and forming inserts to change size. • Purchase only pocket insert when changing material Use the upper holder for other applications. Keying at 0°, 90°, 180°, and 270° is standard. The large station holder is ABS ready. Multiple coating options available to extend tool life.	• Machine model • Material thickness and type • B, C and D dimensions

THREAD FORM





SCREW TYPE	Thread Size
 A	6-18 8-15 10-12 12-11 14-10 20-9
 B AB	6-20 8-18 10-16 12-14 1/4-14 5/16-12
 C (Machine Screws)	6-32 8-32 10-24 10-32 1/4-20 5/16-18

THREAD FORM DATA CHART

Maximum Material Thickness with Coining

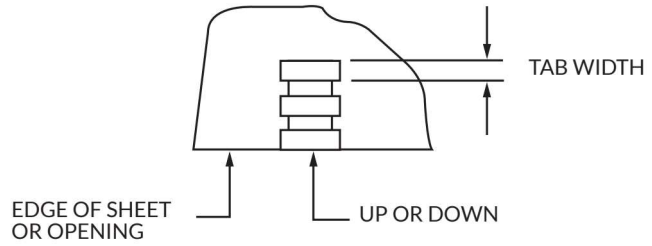
Thread Size	Inches	MM
6-15	.120	3.05
6-18	TBD	TBD
6-20	.100	2.54
6-32	.048	1.22
7-16	.094	2.39
8-15	.120	3.05
8-18	.094	2.39
8-32	.038	0.97
10-12	.125	3.18
10-16	.100	2.54
10-24	.067	1.70
10-32	.050	1.27
12-11	.120	3.05
12-14	.120	3.05
12-24	.068	1.73
14-10	.140	3.56
20-9	.125	3.18
1/4-14	.120	3.05
1/4-20	.094	2.39
5/16-12	.120	3.05
5/16-18	.094	2.39
3/16-24	.067	1.70
3/8-16	.079	2.01
1/2-13	.114	2.90
M2.9 x 1.1	.080	2.03
3.5 x 1.3	.100	2.54
3.9 x 1.4	.098	2.49
M4 x 0.7	.062	1.57
M4.2 x 1.4	.074	1.88
4.2 x 1.6	.094	2.39
4.8 x 1.6	.094	2.39
4.8 x 1.8	.100	2.54
M5 x 0.8	.050	1.27
5.5 x 1.8	.120	3.05
M6 x 1.0	.065	1.65
6.3 x 1.8	.120	3.05
M8 x 1.25	.074	1.88
8.0 x 2.1	.120	3.05
M10 x 1.5	.085	2.16
M12 x 1.75	.104	2.64

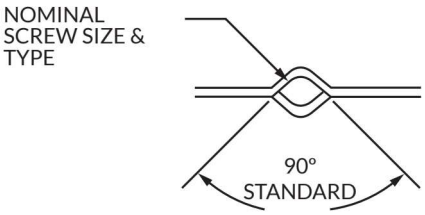
COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
A thread form is a great solution for eliminating secondary operations and supplemental hardware where a threaded hole is required.	• Reduces costly hardware and assembly time. • Coining is included in the design of the tool when material exceeds the recommended thickness up to 2 times. • Pre-punch information is provided. • Multiple coating options available to extend tool life.	• Machine model • Material thickness and type • Thread size and type





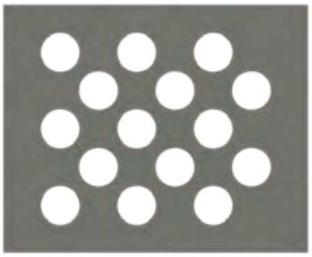
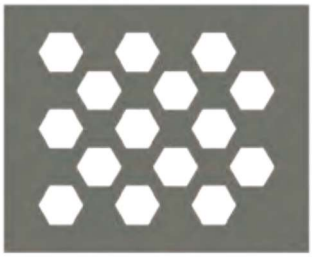


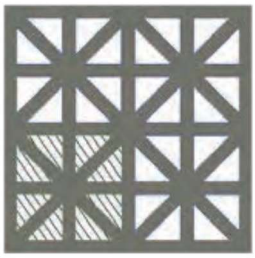
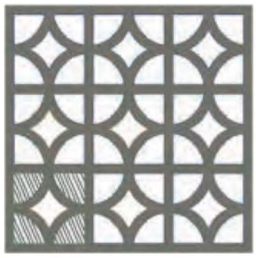
COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
A thread loop is a great solution for eliminating secondary operations and supplemental hardware when a threaded hole is required.	The Wilson design gives a positive form, which ensures a high quality part. Reduces costly hardware and assembly time. Multiple coating options available to extend tool life.	• Machine model • Material thickness and type • Number of thread loop tabs • Width of tab • Direction of first tab • Diameter of opening or screw size and type • Dimensional drawing or electronic file

CLUSTER TOOL

COMMON IN STATION SIZES: Ⓐ **B** **C** **D** **E**

½" 1¼" 2" 3½" 4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
The cluster tool is the most cost effective method to manufacture perforated patterns and is commonly used for air ventilation, drains and filters. Cluster piercing is ideal for applications where tight tolerance is required on the hole pattern.	• Creates maximum number of holes with minimal hits. • Saves on machine punching time and costly tool maintenance. • Available in any hole size, shape or pattern. • Holds tight tolerance from hole to hole. • Punch available as solid or replaceable insert style. • Wilson Tool's back bending feature on dies can help reduce sheet distortion. • Multiple coating options available to extend tool life. • Slug Hugger® 2 recommended to eliminate slug pulling.	• Machine model • Material type, thickness or range • Number of holes in clusters • Straight or staggered pattern • Center-to-center dimensions • Replaceable or solid design • Style of large station guide assembly







COMMON IN STATION SIZES:

Ⓐ **Ⓑ** Ⓒ **Ⓓ** **Ⓔ**

½" 1¼" 2" 3½" 4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
An ID-Stamp tool is a perfect solution for permanently marking and displaying company names, serial numbers, or part numbers. When used in an Auto Index station you can stamp up to 40 different characters, including numbers, letters, and various symbols. Adjustable for .125" (3.18mm) material range.	• Eliminates secondary stamping operations and ensures consistent marking. • Reduces the number of tools needed to mark parts. • Designed to take the standard .125" [3.18mm] letter stamp character. • The large station holder is ABS ready. • Adapters can be used to move B station tools to an Auto Index station.	• Machine model • Material thickness range and type • Requires Auto Index

LETTER STAMP



FORM-UP FORM-DOWN



FORM-DOWN

MAXIMUM NUMBER OF CHARACTERS PER ROW FOR SINGLE & DOUBLE ROW STAMP

SIZE	1-1/4"(B) STN	2"(C) STN	3-1/2"(D) STN	4-1/2"(E) STN
1/16" (1.57mm)	22	24	48	64
3/32" (2.36mm)	14	16	32	43
1/8" (3.17mm)	10	12	24	32
3/16" (4.75mm)	7	8	16	21
1/4" (6.35mm)	5	6	12	16
3/8" (9.52mm)*	**3	**4	8	10

FORM-UP

MAXIMUM NUMBER OF CHARACTERS PER ROW

SIZE	1-1/4"(B) STN		2"(C) STN		3-1/2"(D) STN		4-1/2"(E) STN	
	1 Row	2 Rows	1 Row	2 Rows	1 Row	2 Rows	1 Row	2 Rows
1/16" (1.57mm)	20	20	31	31	53	53	64	64
3/32" (2.36mm)	14	14	21	21	35	35	43	43
1/8" (3.17mm)	10	10	15	15	26	26	32	32
3/16" (4.75mm)	7	–	10	10	17	17	21	21
1/4" (6.35mm)	5	–	8	8	13	13	16	16
3/8" (9.52mm)*	3	–	5	–	8	–	10	–

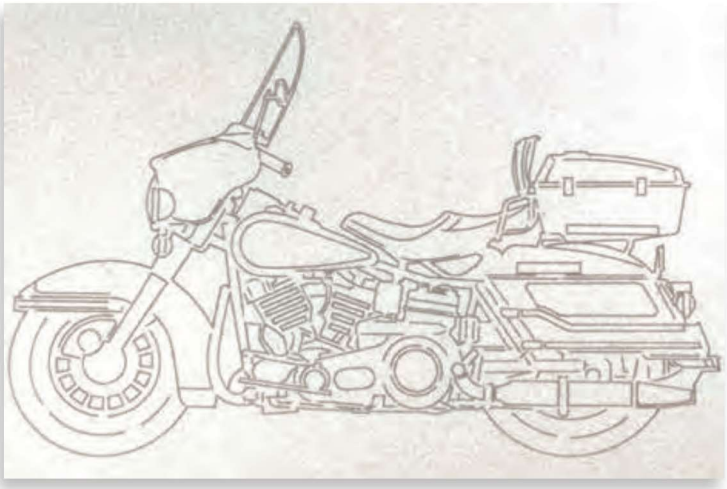
Maximum Characters for one or two rows
* Maximum Characters for one row only
** One row only

COMMON IN STATION SIZES:



APPLICATION	ADVANTAGES	INFORMATION NEEDED
A letter stamp is a perfect solution for permanently marking and displaying company names, serial numbers, or part numbers. Replaceable punch tip design allows for versatility as well as quick and easy change out.	Stock sizes available in single and double row. Reduces the number of tools needed to mark parts. Eliminates secondary stamping operations. Adjustable for .125" (3.18mm) material range. Interchangeable punch tip design provides cost savings and flexibility to easily change character size by purchasing only a punch tip and characters. Form-up letter stamp tools are made self-stripping.	• Machine model • Material thickness and type • Size character, number of rows, number of characters per row • Form-up or form-down • Style of large station guide assembly

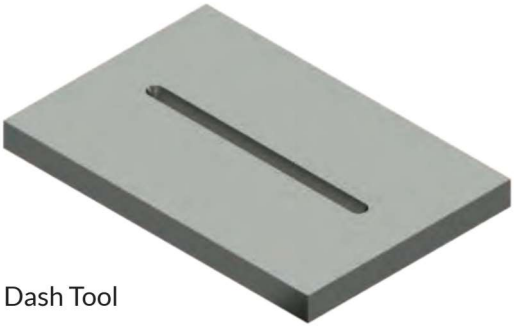




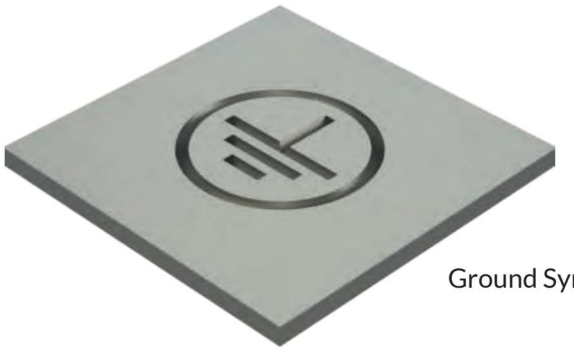
COMMON IN STATION SIZES: Ⓐ **Ⓑ** Ⓒ Ⓓ Ⓔ

½" 1¼" 2" 3½" 4½"

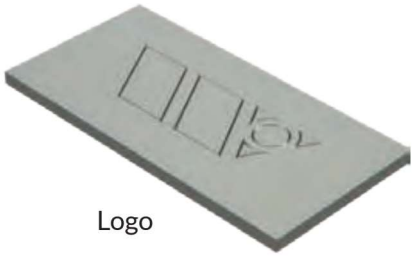
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Multi-Scribe is ideal for both sheet scribing and dot-matrix marking on a wide range of materials. • Unique designs and logos can be achieved just by programming. • Hydraulic rams produce both "scribe" and "dot-matrix" sheet marking. • Mechanical rams produce "dot-matrix" sheet marking • Works on a wide range of materials.	• Can achieve variable scribe depth • Design allows for consistent mark depth • Long lasting diamond tip • Won't deform the material or mark the underside of the sheet. • Sold as a kit which includes: Punch & die assembly Red medium spring, yellow light spring Green heavy spring 120° and 150° diamond insert 90° carbide insert 3mm hex wrench • Wilson Multi-Scribe tool comes assembled with 120° diamond and red medium spring.	• Machine model • Material thickness and type



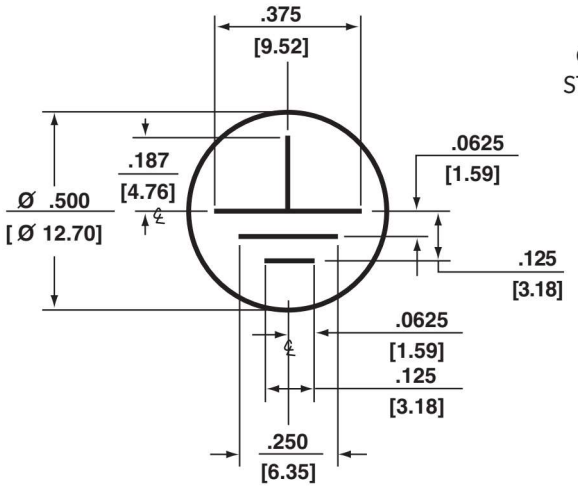
Dash Tool



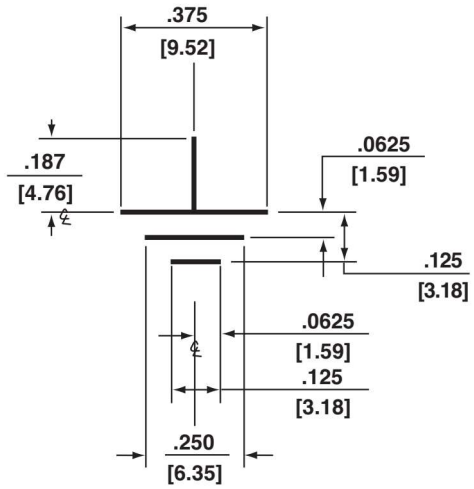
Ground Symbol



Logo



GROUND SYMBOL
STOCK DIMENSIONS



COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

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.	All form-up tools are designed self-stripping to prevent sheet marking and tool wear. Logo stamps and other special stamps can be manufactured easily when an electronic file is provided. When used in the auto index station, dash tools can be used to create numbers or letters. Adjustable for .125" [3.18mm] material range.	• Machine model • Material thickness and type • Length of dash • Size of ground symbol (stock or non-stock) • Electronic file for logos • Form-up or form-down • Style of large station guide assembly

US Headquarters tel: 800.328.9646 punching@wilsontool.com
Canada tel: 800.268.5573 punchingcanada@wilsontool.com
Mexico tel: 001.800.741.2510 punzonado@wilsontool.com



COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
The rolling de-burring tool eliminates the secondary operation of removing burrs from your parts.	• Quickly and efficiently de-burrs your parts while on the turret machine. • Eliminates costly secondary operations. • Coins a small chamfer on the cut edge top and bottom of the sheet. • Can be used to de-burr nested parts. • Adjust ball pressure without disassembling the tool.	• Machine model • Material thickness and type

See this tool in action on the Wilson Tool YouTube Channel







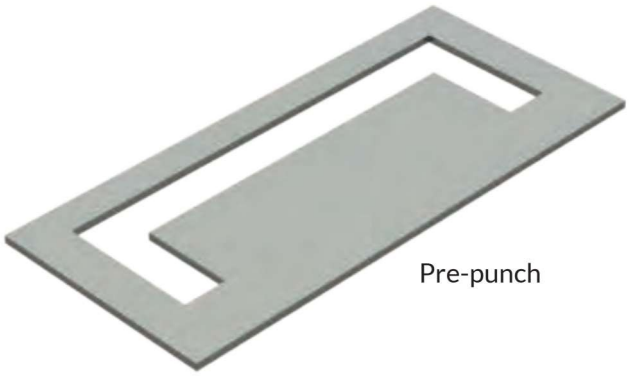


AVAILABLE FOR STATION SIZES (depends on machine) :

Ⓐ	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Machines with high form stations require special tooling that can achieve forms in the sheet up to .472" [12mm] high or higher.	• Able to form closer to the clamps with less distortion to the sheet. • Able to pierce holes in adjacent stations with less distortion.	• Machine model • Material thickness and type • Dimensional drawing or electronic file

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Pre-punch



Opti-Bend®

COMMON IN STATION SIZES:

Ⓐ **B** **C** **D** **E**

½" 1¼" 2" 3½" 4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
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. It is possible to achieve 3° over bend.	• Performs up to 90° bends on a punch press with neutral pull on the sheet (won't pull out of clamps). • Special rotating cam design minimizes sheet marking on soft or high polished materials. • Available in single hit or progressive styles. • Can be run on a small range of material. • Allows multiple bending in a turret machine.	• Machine model • Material thickness and type • Dimensional drawing or electronic file

See this tool in action on the Wilson Tool YouTube Channel

ZIP-TECH







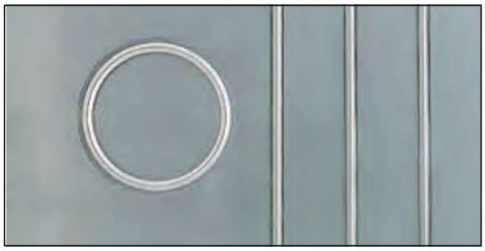
COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Zip-Tech lance is achieved in three operations: 1. Pre-punch: round hole 2. Pre-punch: T-shape hole 3. Zip-Tech Lance and Form	Fabricates snaps to join metal parts together. Different types of materials of the same thickness can be joined together. Eliminate time consuming and labor intensive welding and grinding operations, spot welding or other fastening methods.	• Machine model • Material thickness and type • Auto index stations available



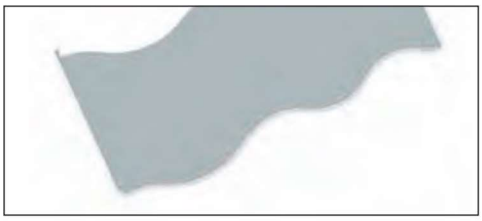
ROLLING FLARE



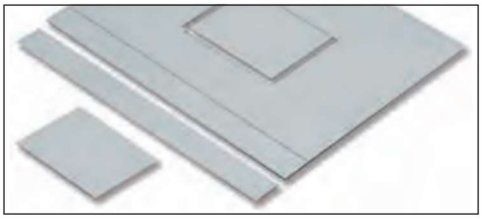
ROLLING RIB



ROLLING OFFSET

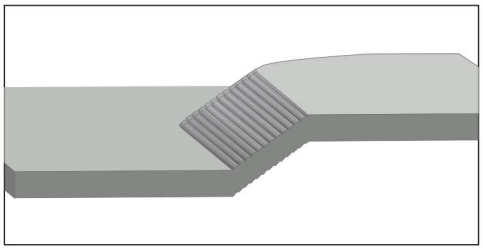


ROLLING SHEAR



ROLLING PINCHER





ROLLING FORGE

COMMON IN STATION SIZES:

Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ
½"	1¼"	2"	3½"	4½"

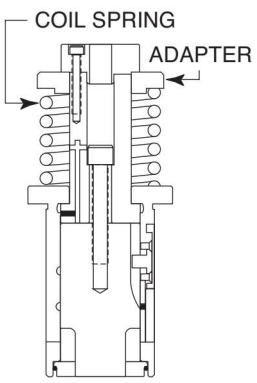
APPLICATION	ADVANTAGES	INFORMATION NEEDED
The Wilson Wheel® family of products offers you flexible, high speed production of slits, ribs and offsets on a wide range of materials with virtually no burrs or nibble marks. Create curves, arcs and circles with your auto index station.	• High speed – equal to programmed table travel speed. • Virtually no burrs or nibble marks on sheet. • Eliminate scrap with rolling shear and pincher. • Replacement forming wheels available. • Available in form-up or form-down. • Works on a wide range of material. • Wheel tools can start or end anywhere on the sheet. • Stock sizes available for fast delivery.	• Machine model • Material thickness and type • Define fabrication needs

See this tool in action on the Wilson Tool YouTube Channel

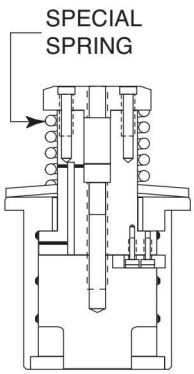
LIGHT SPRING UNIT



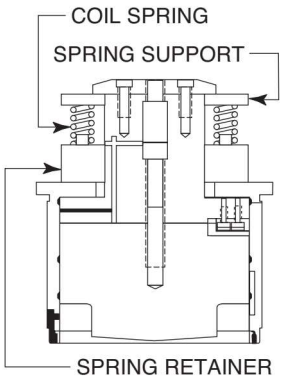
OTHER ASSEMBLY DESIGNS



(A)



(C)



(D)

COMMON IN STATION SIZES:

A	B	C	D	E
½"	1¼"	2"	3½"	4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Light Spring Packs help reduce sheet and form distortion as well as sheet marking in forming and piercing operations.	• Fast and easy assembly and disassembly with Series 80, Series 80 Plus, Series 90 and High Performance (HP). • Simply spin off the existing spring unit and spin on the partial light spring unit. • Sold in partial or complete spring units. • Assembly instructions included.	• Type of holder

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	CAT. NO.
A Station – Imperial	2481
B Station – Imperial	2369
B Station – Metric	2468

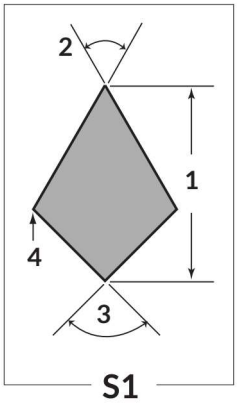
COMMON IN STATION SIZES:

A **B** C D E

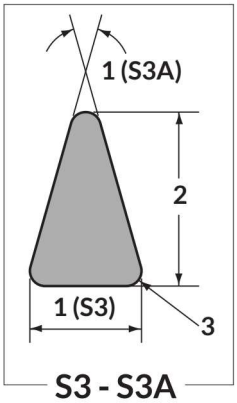
½" 1¼" 2" 3½" 4½"

APPLICATION	ADVANTAGES	INFORMATION NEEDED
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. 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.	• Precise adjustment: Each adjustment click provides a .0035" (0.09 mm) incremental change in the tool length. • The maximum adjustment is approximately .125" [3.18 mm]. • Fine length adjustments can now be made without removing the tool from the turret, thus reducing machine down time. • You will see instant payback based on reduced machine down time.	• Type of holder — imperial or metric • Style of guide assembly

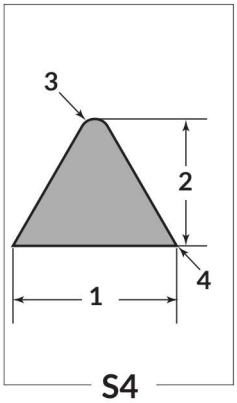
GROUP 'A'



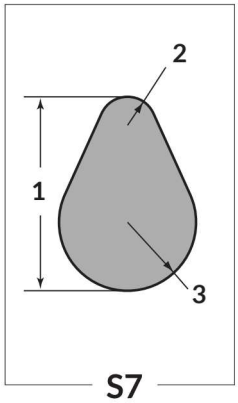
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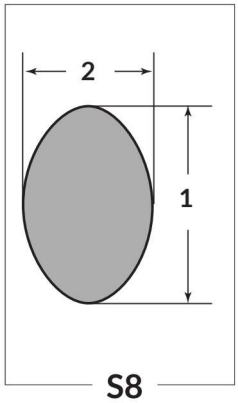
S3 - S3A



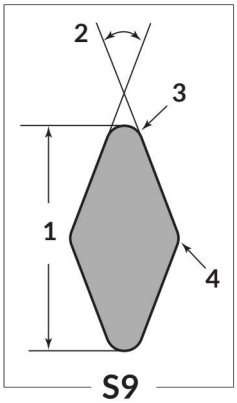
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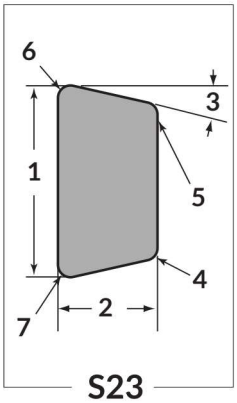
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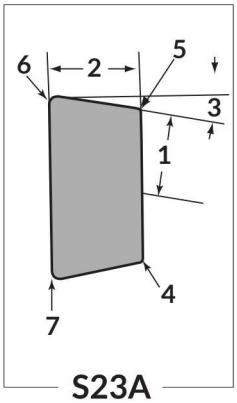
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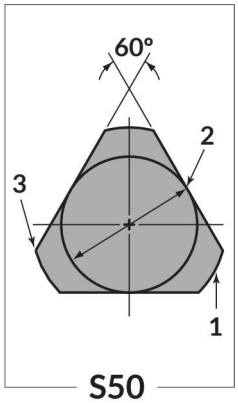
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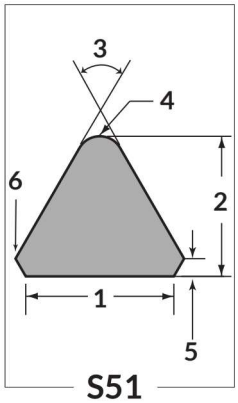
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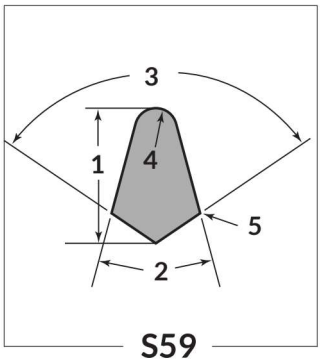
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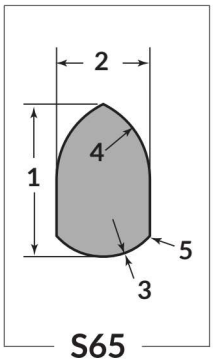
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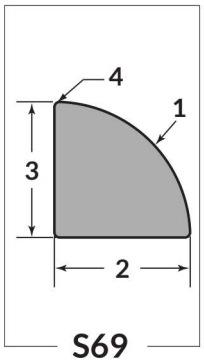
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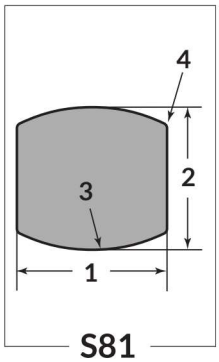
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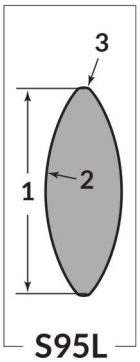
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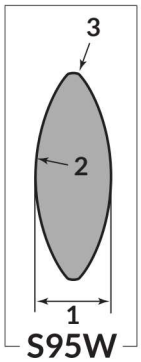
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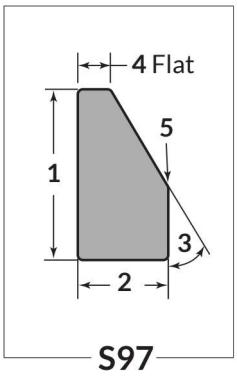
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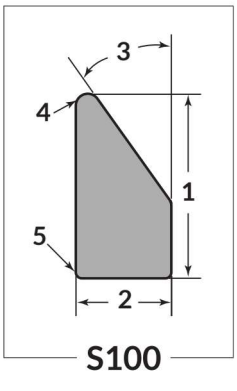
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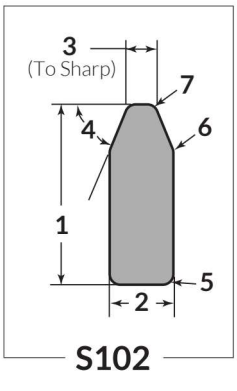
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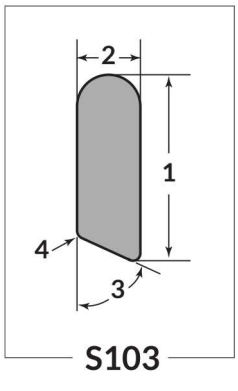
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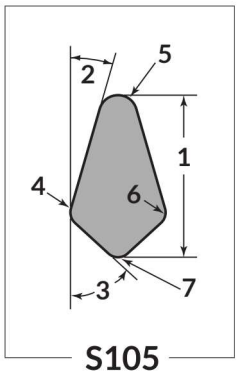
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S102



S103

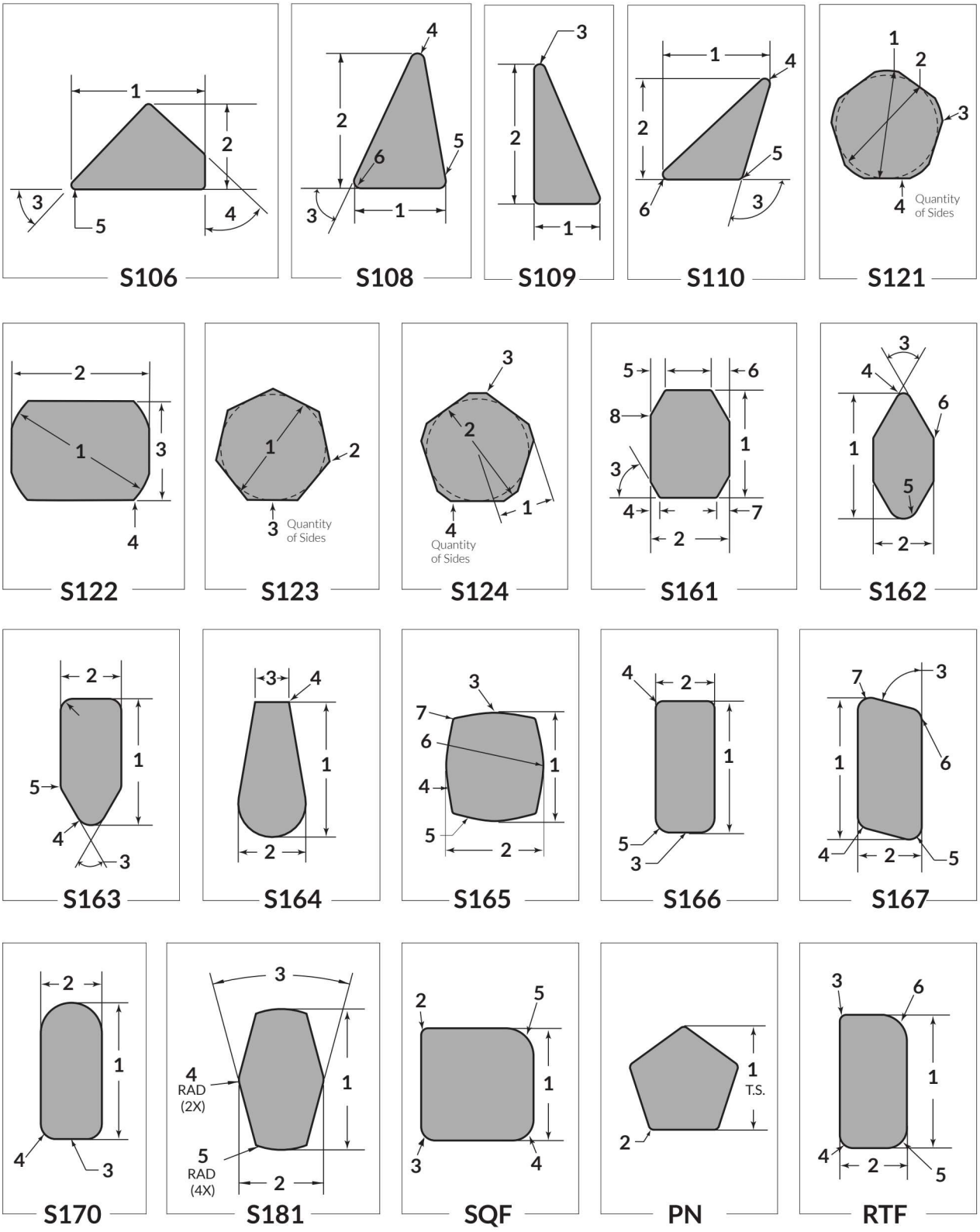


S105

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

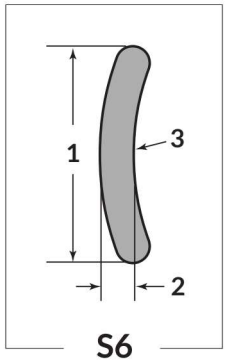
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GROUP 'A'

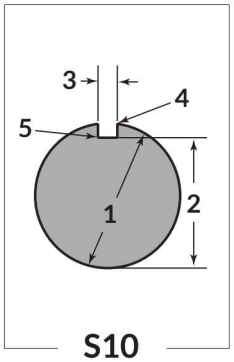


NOTE: *Special considerations may alter price and lead time.*

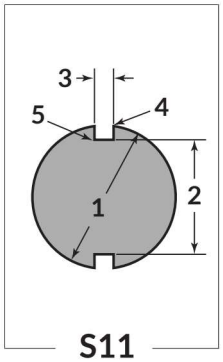
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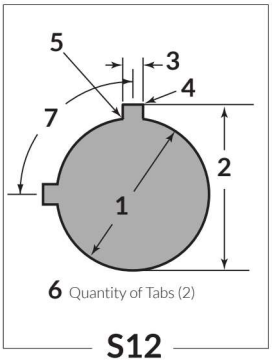
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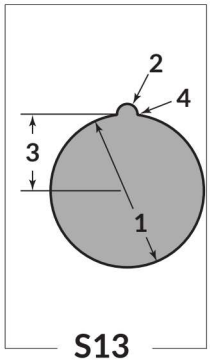
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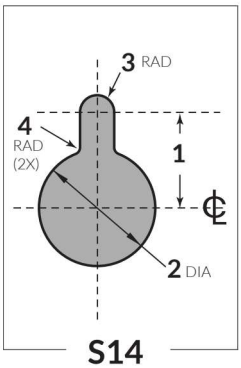
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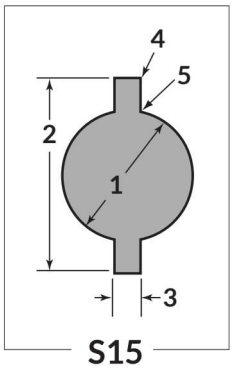
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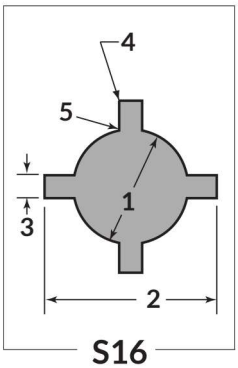
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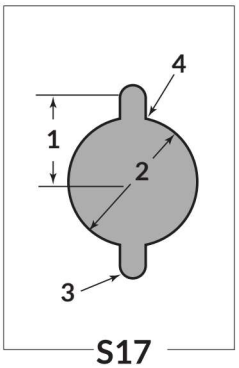
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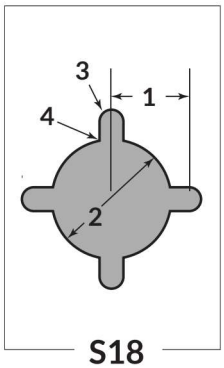
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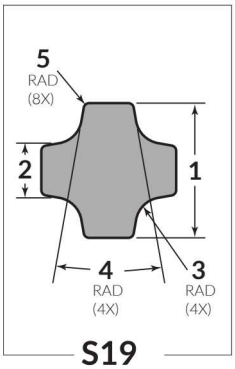
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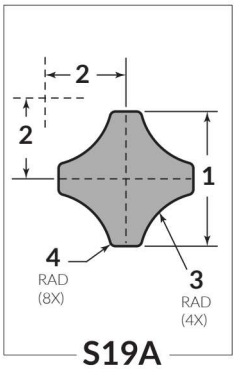
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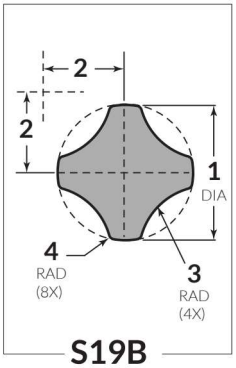
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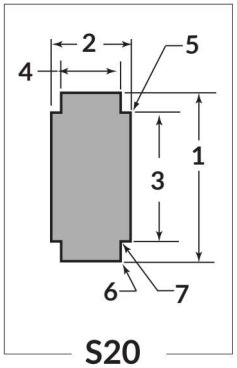
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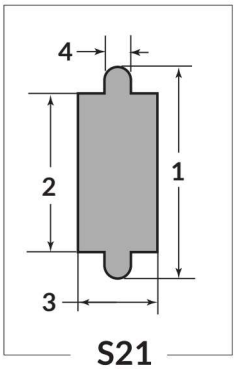
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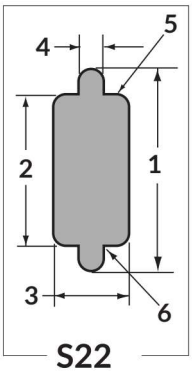
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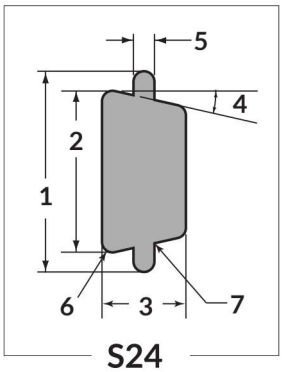
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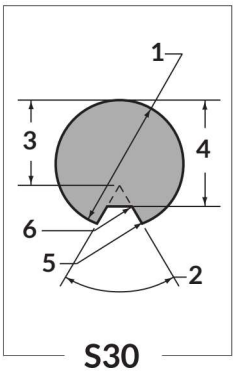
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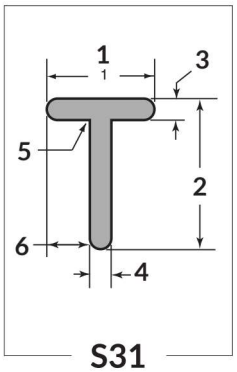
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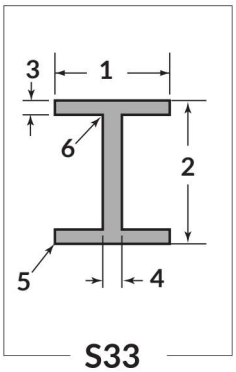
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S30



S31

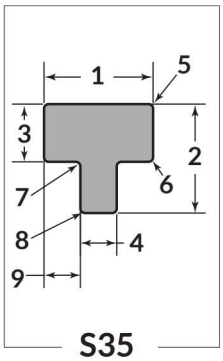


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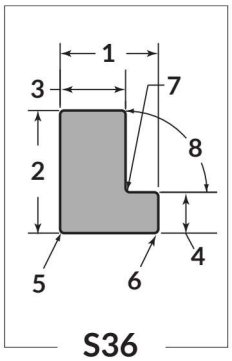
NOTE: *Special considerations may alter price and lead time.*

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punzonado@wilsontool.com

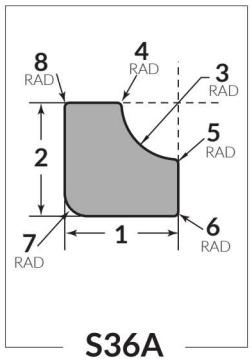
GROUP 'B'



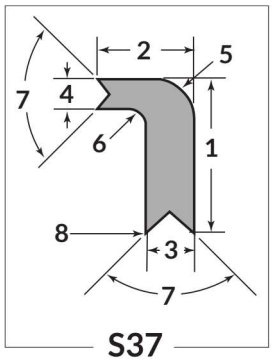
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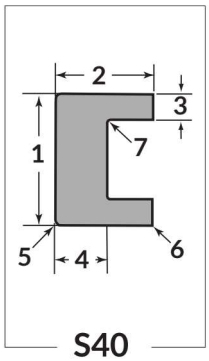
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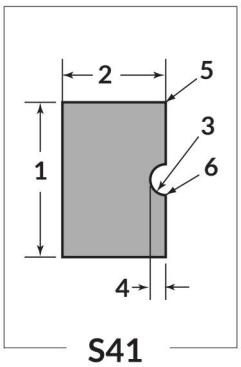
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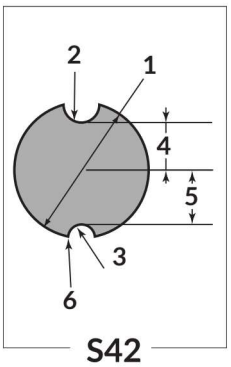
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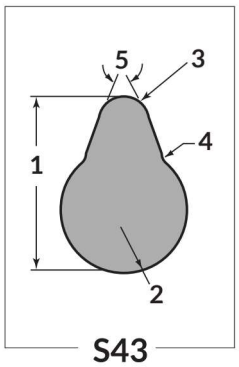
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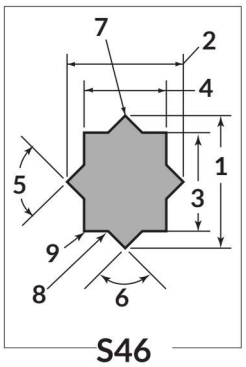
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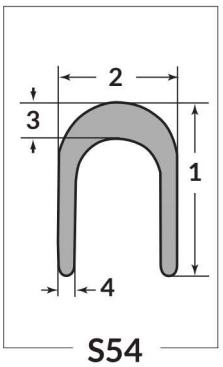
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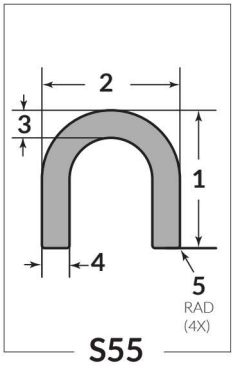
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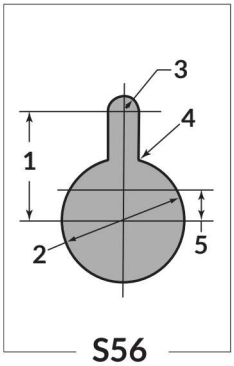
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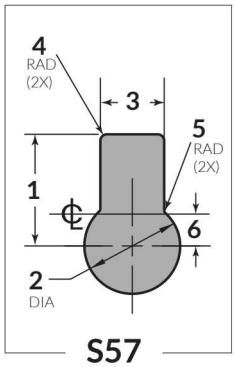
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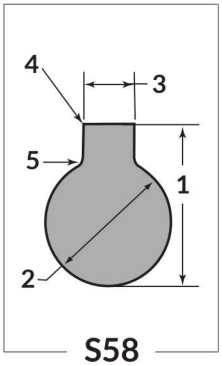
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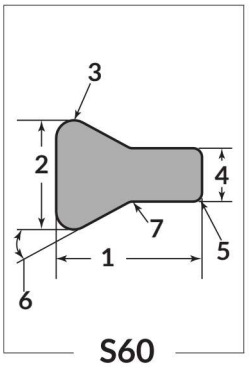
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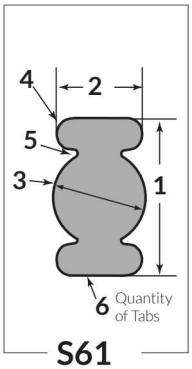
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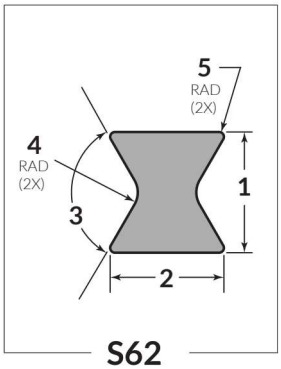
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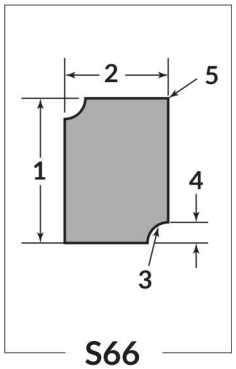
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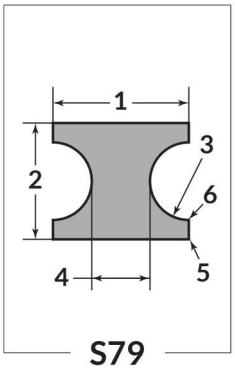
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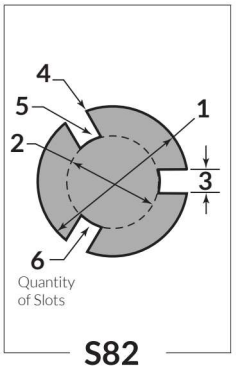
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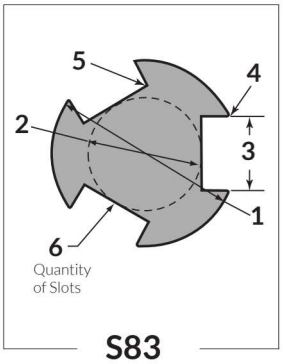
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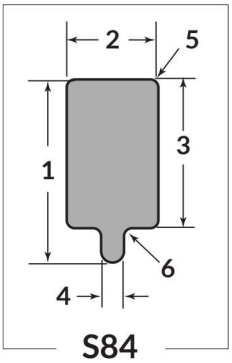
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NOTE: *Special considerations may alter price and lead time.*

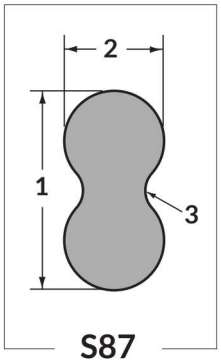
GROUP 'B'



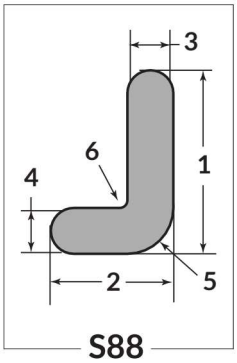
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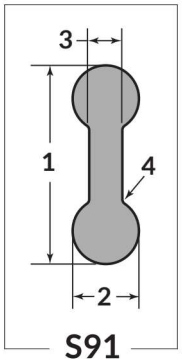
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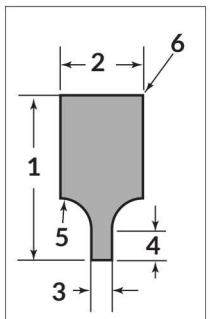
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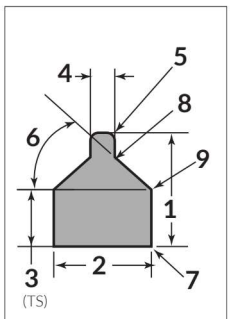
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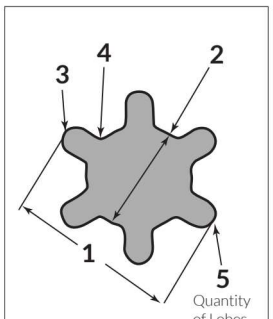
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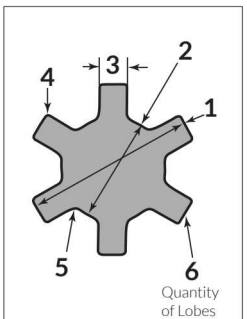
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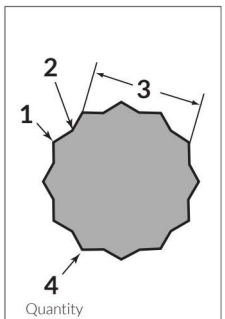
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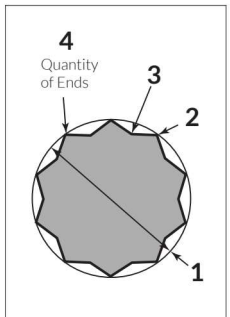
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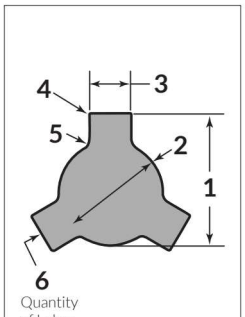
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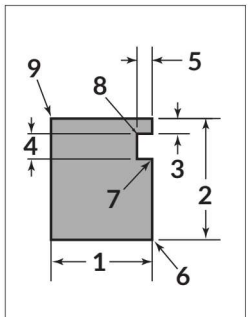
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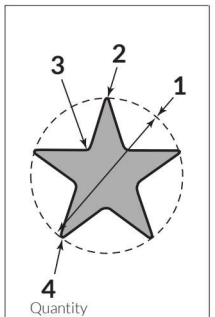
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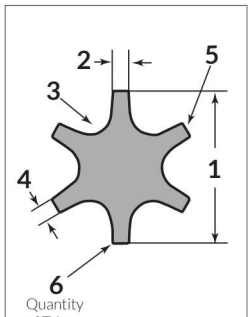
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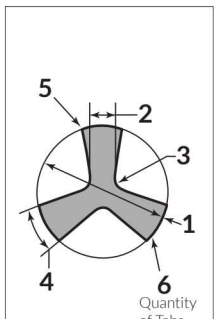
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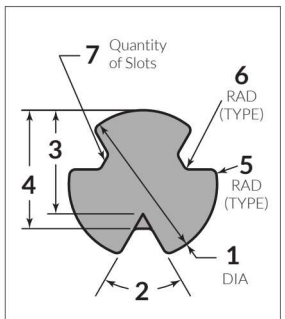
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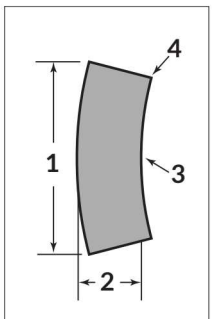
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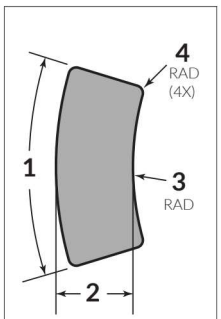
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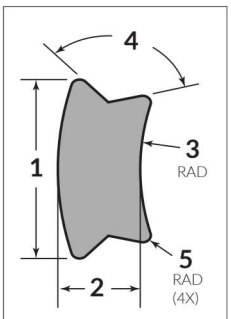
S128



S141



S141A

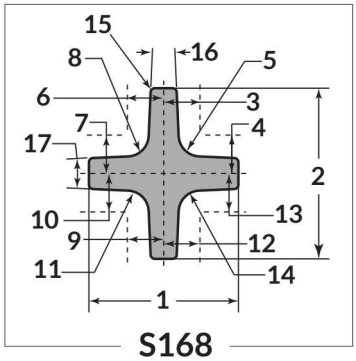


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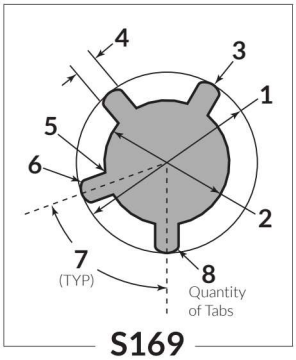
NOTE: *Special considerations may alter price and lead time.*

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Canada tel: 800.268.5573
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Mexico tel: 001.800.741.2510
punzonado@wilsontool.com

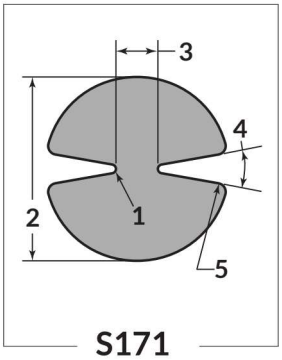
GROUP 'B'



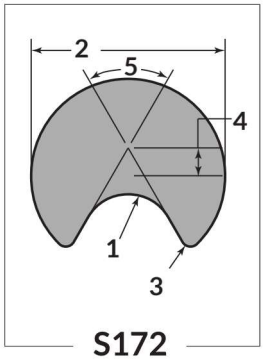
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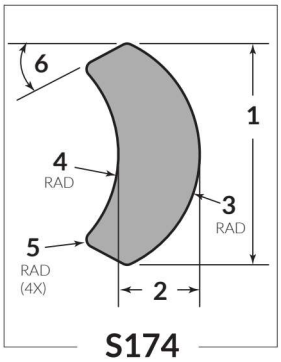
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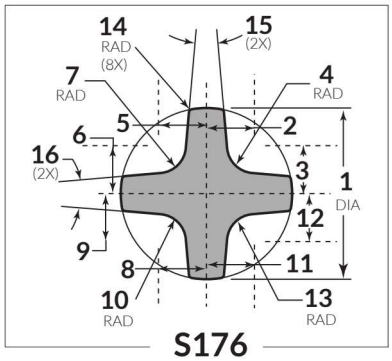
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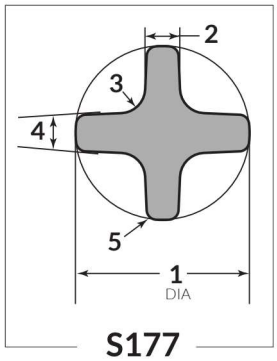
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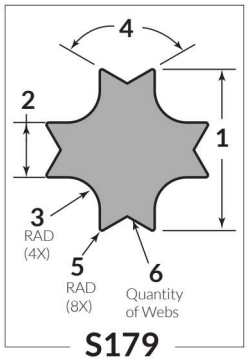
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S176



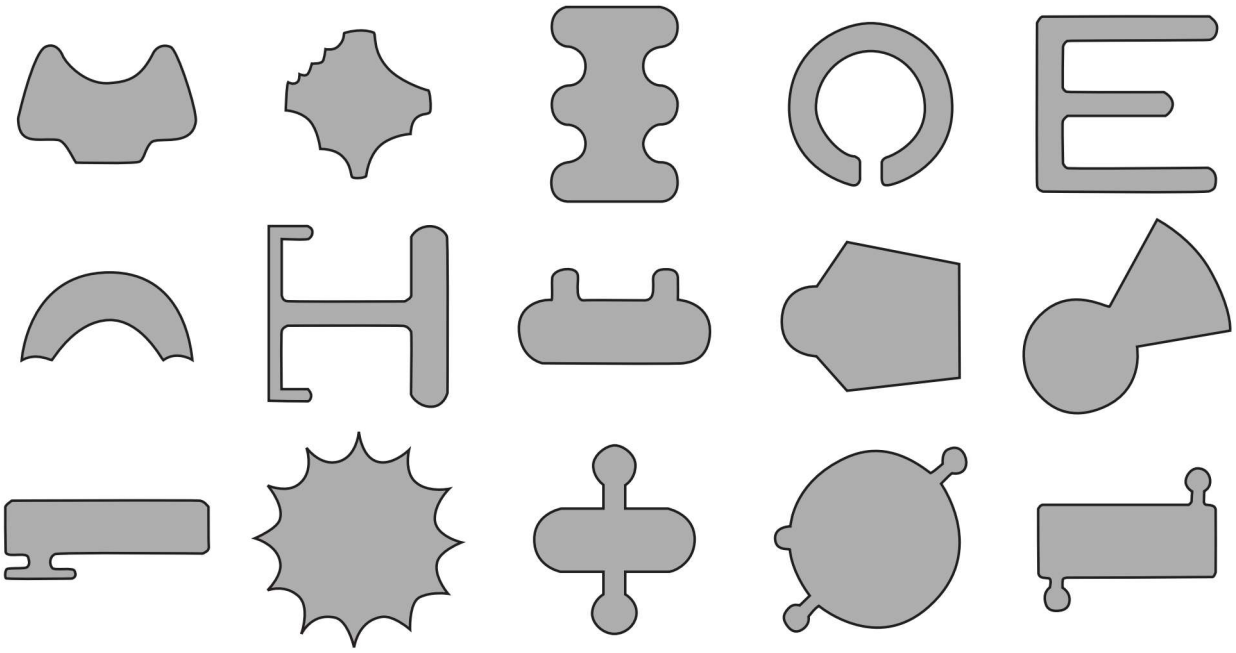
S177



S179

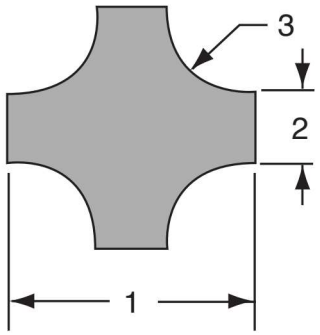
NOTE: *Special considerations may alter price and lead time.*

GROUP 'C'



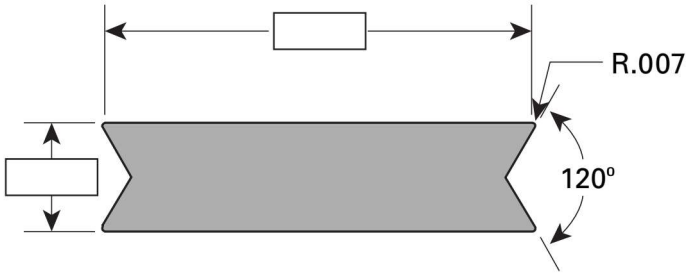
Any complex 2D shape ordered with a DXF file will be priced as a "B" Group.
Electronic file will be validated at the time of ordering.

4-WAY RADIUS TOOLS — STANDARD SIZES



RADIUS INCHES/MM	DIM. 1 INCHES/MM	DIM. 2 INCHES/MM	DIM. 3 INCHES/MM
.062 [1.58]	.500 [1.58]	.250 [6.35]	.062 [1.58]
.094 [2.39]	.625 [2.39]	.250 [6.35]	.094 [2.39]
.125 [3.18]	.625 [3.18]	.250 [6.35]	.125 [3.18]
.156 [3.96]	.750 [3.96]	.250 [6.35]	.156 [3.96]
.188 [4.78]	.750 [4.78]	.250 [6.35]	.188 [4.78]
.250 [6.35]	.875 [6.35]	.250 [6.35]	.250 [6.35]
.312 [7.93]	1.000 [7.93]	.250 [6.35]	.312 [7.93]
.375 [9.53]	1.125 [9.53]	.250 [6.35]	.375 [9.53]
.500 [12.7]	1.250 [12.7] Ø	.250 [6.35]	.500 [12.7]

INVERTED DIAMOND



MAGNET SQUARE

Press Brake Compatible
Punch Press Compatible



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

Cat. No. 974150

EXP® PUNCH REMOVAL KEY

Press Brake Compatible
Punch Press Compatible



This wrench is designed for
use with EXP® punches.

Cat. No. 6989

OIL STONE

Press Brake Compatible
Punch Press Compatible



3 square 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

T-HANDLE EXTRACTOR

Press Brake Compatible
Punch Press Compatible



Used for large station guide
assemblies.

Cat. No. 6483

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

US Headquarters tel: 800.328.9646
punching@wilsontool.com
Canada tel: 800.268.5573
punchingcanada@wilsontool.com
Mexico tel: 001.800.741.2510
punzonado@wilsontool.com

METRIC HEX KEY WRENCH SET

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 170mm.

Cat. No. 6105



Press Brake Compatible
Punch Press Compatible

SOFT FACE HAMMER

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

Cat. No. 6106



Press Brake Compatible
Punch Press Compatible

TRU-ARC PLIERS

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

Cat. No. 6056



Press Brake Compatible
Punch Press Compatible

SPANNER WRENCH

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

Cat. No. 6058



Press Brake Compatible
Punch Press Compatible

TOOL KIT

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

Cat. No. 6091



Press Brake Compatible
Punch Press Compatible

DIGITAL ANGLE CUBE

Press Brake Compatible
Punch Press Compatible



The compact size of the Digital Cube allows you to quickly read bend angles of work material.

- Real time display of angle comparison.
- Magnets on three sides
- Self rotating display for 180° readings.

Cat. No. 974119

DIGITAL PROTRACTOR SET

Press Brake Compatible
Punch Press Compatible



Lightweight, easy-to-use, highly accurate protractors measure angles from 0° to 360°.

- Accuracy: ± .01 degrees.
- Set angles in .05 degree increments
- Front locking lever to hold the arm position.

A hold function and reverse reading capability.

Cat. No. 980065

DIGITAL THICKNESS GAUGE

Press Brake Compatible
Punch Press Compatible



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

Cat. No. 974117

ZIP-MAR ADHESIVE DISCS

Press Brake Compatible
Punch Press Compatible

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



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

SINGLE TRACK MACHINE ALIGNMENT TOOLS

Press Brake Compatible
Punch Press Compatible

One tool is required to align each station.

STATION	UPPER CAT. NO	LOWER CAT. NO
A [1/2"]	2597	2598
B [1-1/4"]	2599	495



MULTIPLE 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	CAT. NO
A [1/2"]	2601
B [1-1/4"]	2602



ALIGNMENT TOOLS

Press Brake Compatible
Punch Press Compatible

One tool is required to align each station.

STATION	UPPER CAT. NO	LOWER CAT. NO
C [2"]	1840	1841
D [3-1/2"]	1947	1948
E [4-1/2"]	1949	1950
F [6"]	2290	2291



BALL RIDING AND BRUSH DIE

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.
OAH = 1.328" (33.73mm)

STATION SIZE	BALL RIDING CAT. NO	BRUSH CAT. NO
A [1/2"]	2375	2760
B [1-1/4"]	10685	2761
C [2"]	14591	2762
D [3-1/2"]	14582	2763
E [4-1/2"]	14583	2764





Brush dies are primarily used in applications where any marking that might be caused by ball riding dies is not acceptable.
OAH = 1.248" (31.7mm)

TOOL STORAGE CABINET

8 DRAWER ARRANGEMENT & CAPACITY:

3 drawers for 'A' station tooling:
- 18 punch & guide assemblies (per drawer)
- 36 dies & 18 additional punches (per drawer)

3 drawers for 'B' station tooling:
- 12 punch & guide assemblies (per drawer)
- 24 dies & 12 additional punches (per drawer)

1 drawer for 'C' & 'D' station tooling:
- 12 - 'C' or 'D' station punches, stripper plates & dies

1 drawer (9 compartments)
- 'E' or 'F' large station guide assemblies

Includes lock with two keys and forklift base.

Overall Dimensions:
42" high x 28" wide x 29" deep
107 cm high x 71 cm wide x 74 cm deep



CABINET	CAT. NO
Thick Turret	90001
OPTIONS	**CAT. NO**
Plastic Drawer Liners	90002
Mobile Base	90003
Maple Top	90004
Cart Handle (1)	90005
Ribbed Rubber Mat	90006

SHEAR GRINDING FIXTURE

- Easy to adjust angle setting for shear grinding.
- Can be used with your existing surface grinder.
- Easy to use instruction sheet with grinding tips.



STD & HP FIXTURE & COMPONENTS	
DESCRIPTION	CAT. NO.
Shear Grinding Fixture	6034
EXP Sharpening Adapter	6990
1/2" Tooling Sleeve Adapter	6043
1-1/4" Tooling Punch and Die Holder	6042
1-1/4" to 1/2" Die Adapter	6088
'Old Style' 2", 3-1/2" & 4-1/2" Tooling Punch Holder - for Standard Thick	6039
HP Thick 2", 3-1/2" & 4-1/2" Tooling Punch Holder	6040
Dura-Blade Grinding Fixture	6932
Pointer [Replacement]	6035
Degree Scale [Replacement]	6036
STD & HP MULTI-TOOL PUNCH & DIE HOLDERS	
DESCRIPTION	CAT. NO.
8 Station Punch & Die Holder	6812
8mm Punch & Die Holder	6156
16mm Punch & Die Holder	6157
24mm Punch & Die Holder	6158

US Headquarters tel: 800.328.9646 punching@wilsontool.com | Canada tel: 800.268.5573 punchingcanada@wilsontool.com | Mexico tel: 001.800.741.2510 punzonado@wilsontool.com

Benefits of Accurate Regrinding

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

Fully Automated Grinding Process

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

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

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

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

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

Interlocking Safety Guard: Automatically opens and closes

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

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



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

TECHNICAL SPECIFICATIONS*

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

Note: Adapters may be required for some ranges of TRUMPF-style tooling.
*Wilson Tool International reserves the right to change machine specifications without prior notice.

5 EASY STEPS TO A SHARPER EDGE



Step 1. Load tool into chuck



Step 2. Set tool style



Step 3. Set tool size



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



Step 5. Touch start to sharpen the tool

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 and retaining a variety of assemblies. 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
- Measuring range 0 - 6"
- Accuracy to 0.001"

Cat. No. 8050

PUNCH LUBRICANT

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

Cat. No. 6055



Press Brake Compatible

Punch Press Compatible

SHEET LUBRICANT

Xcel 1 Liter Spray Bottle
Cat. No. 24315

Xcel 5 Liter Concentrate
Cat. No. 24316



Press Brake Compatible

Punch Press Compatible

CUT-MAX 570

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

Cat. No. 6941



Press Brake Compatible

Punch Press Compatible

SURE SHOT SPRAYER

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

Cat. No. 6120

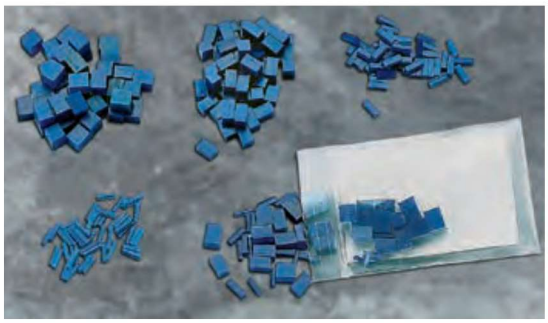


Press Brake Compatible

Punch Press Compatible

DIE SHIMS AND SLUG EJECTORS

DIE SHIMS FOR MULTI-TOOLS				
MACHINE TYPE	STATION	SHAPE	THICKNESS	PACKAGE OF 15 CAT. NO.
FINN-POWER®	3-1/2 - 8i/Ri		.010" [0.25mm]	6815
FINN-POWER®	3-1/2 - 8i/Ri		.030" [0.76mm]	6816
FINN-POWER®	MT 12 & 20-8	Round	.010" [0.25mm]	6817
FINN-POWER®	MT 12 & 20-8	Round	.030" [0.76mm]	6818
FINN-POWER®	MT 12 & 20-8	Shape	.010" [0.25mm]	6819
FINN-POWER®	MT 12 & 20-8	Shape	.030" [0.76mm]	6820
FINN-POWER®	MT 6 & 10 - 16		.010" [0.25mm]	6821
FINN-POWER®	MT 6 & 10 - 16		.030" [0.76mm]	6822
FINN-POWER®	MT 6 & 8-24		.010" [0.25mm]	6823
FINN-POWER®	MT 6 & 8-24		.030" [0.76mm]	6824
Thick Turret	1-1/4 - 5		.010" [0.25mm]	6825
Thick Turret	1-1/4 - 5		.030" [0.76mm]	6826



SLUG EJECTORS	Square Urethane	
Hole Diameter in Punch	QTY.	CAT. NO.
1/8" [3.2mm]	50	6116
3/16" [4.8mm]	50	6117
3/8" [9.5mm]	50	6118
1/2" [12.7mm]	50	6119
Assortment	50	6410

THICK TURRET 1/2" [A] to 1-1/4" [B] STATION ADAPTER	
DESCRIPTION	CAT. NO.
Punch & Guide Assembly Adapter (Keyed at 0˚ & 180˚)	2284
Die Adapter	2220
Screw	2119



THICK TURRET 1-1/4" [B] to 2" [C] STATION ADAPTER	
DESCRIPTION	CAT. NO.
Punch & Guide Assembly Adapter	2476
Die Adapter	2475
Screw	6206

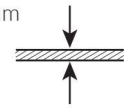
THICK TURRET 1-1/4" [B] to 3-1/2" [D] STATION ADAPTER	
DESCRIPTION	CAT. NO.
Punch & Guide Assembly Adapter (not shown)	2492
Die Adapter	35058



THICK TURRET 1-1/4" [B] to 4-1/2" [E] STATION ADAPTER	
DESCRIPTION	CAT. NO.
Punch & Guide Assembly Adapter (not shown)	2680
Die Adapter	2681

MAX. MATERIAL THICKNESS FOR ABOVE ADAPTERS

.135" [3.4mm] mild steel and aluminum
.090" [2.3mm] stainless steel



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

SHEAR OPTIONS



ROOFTOP

\+ Best shear for punching at maximum tonnages.

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



CONCAVE OR DOUBLE CONCAVE

\+ Best shear for nibbling because it inverts stresses.

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



INVERTED ROOFTOP

\+ Good shear for nibbling because it inverts stresses.

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



DOUBLE VALLEY

\+ Best shear for nibbling when shape is long and narrow.

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



JK SHEAR

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

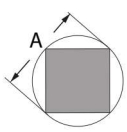
\- Can only be used on punches up to 1.000" (25.4mm) diameter or 'A' dimension.

SPECIAL SHEARS

STATION	'A' Dimension	Inverted Rooftop Single Concave 1/16" [1.6mm]	Inverted Rooftop Single Concave 1/8" [3.2mm]	Double Valley Double Concave 1/16" [1.6mm]	Double Valley Double Concave 1/8" [3.2mm]
1-1/4" (B)	Within 1.250" [31.75mm]				
2" (C)	Within 2.000" [50.8mm]				
3-1/2" (D)	Within 3.500" [88.9mm]				
4-1/2" (E)	Within 4.500" [114.3mm]				

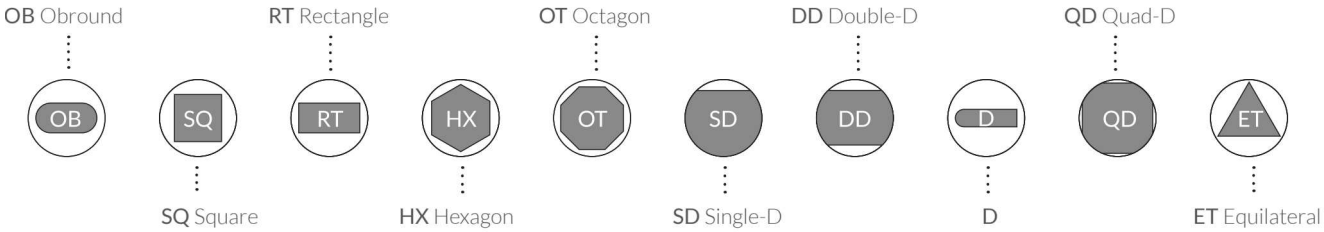
JK SHEAR

SHAPE	ADD ON PRICE
Round	
Rectangle, Square, Hexagon, Singe 'D', Double 'D'	
Obround	

SHEAR DETAILS	'A' DIMENSION	EXCEPTION
1/16" (1.6mm) rooftop shear is given to all punches with 'A' dimension† greater than 2.000" (50.8mm) and width greater than .250" (6.35mm) at no extra charge. All punches .250" (6.35mm) and under in width will be shipped with no shear unless specified.		In some instances, inverted rooftop is substituted for single and double concave shears.

SPECIAL SHEAR DETAILS
If specified: 1/8" (3.2mm) maximum rooftop shear can be given at N/C for any round or shape in 2" (C), 3-1/2" (D), 4-1/2" (E) or 6" (F) stations. Rooftop shear available on any round or shape in 1/2" (A) or 1-1/4" (B) stations.

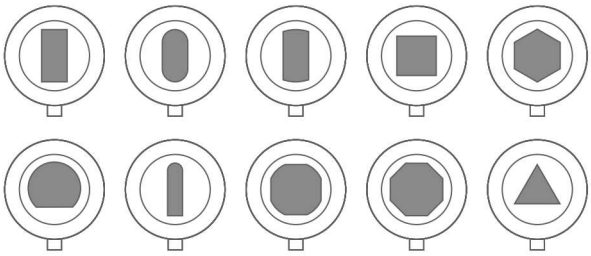
STANDARD SHAPES



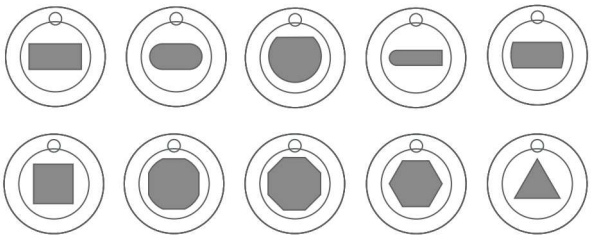
STANDARD KEYING LOCATIONS

PUNCH VIEW

1/2" [A] & 1-1/4" [B] STATION

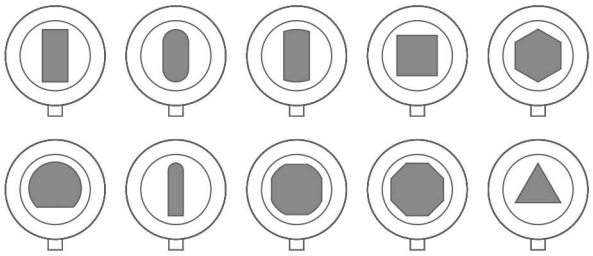


2" [C], 3-1/2" [D] & 4-1/2" [E] STATION

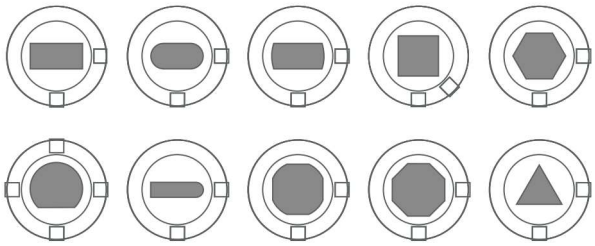


DIE VIEW

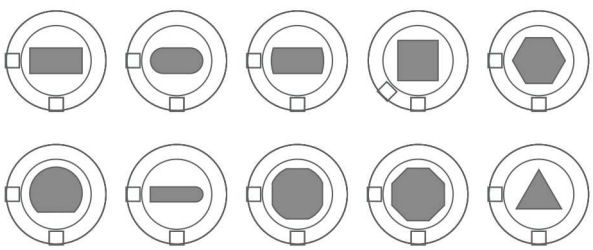
1/2" [A] & 1-1/4" [B] STATION



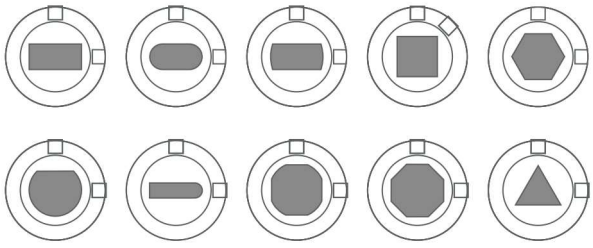
2" [C] STATION



3-1/2" [D] STATION

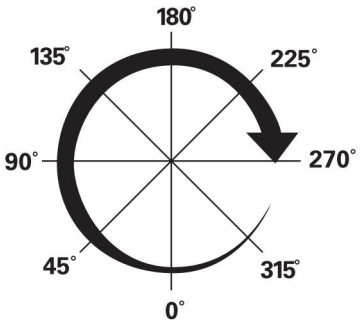


4-1/2" [E] STATION



NON-STANDARD KEYING, DIE CLEARANCE

Wilson Tool Keying Diagram



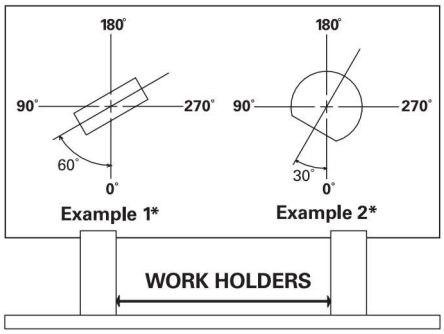
Refer to non-standard key locations by the following method:

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

SHAPE at single angles other than standard			
Station	Punch	Die	Guide or Stripper
A			
B			
C			
D			
E			

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

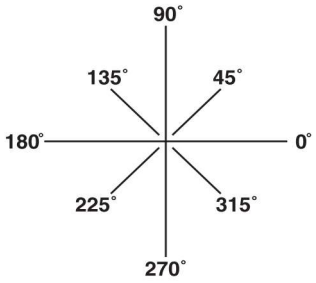
Examples of angle settings:



Front of Press

STANDARD keying, plus extra pins or keys for shapes at other than 45° increments				
Station	Punch	Die	Guide or Stripper	
A				
B				
C				
D				
E				

Die View



Front of Press

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

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	–		0° & 45° 0° & 180°		
B	0° & 45° 0° & 180°		0° & 45° 0° & 180°		
C	45° increments		45° increments		
D	45° increments		45° increments		
E	45° increments		45° increments		

Die Clearance Selection Information			
	Total Clearance		
Material	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

US Headquarters tel: 800.328.9646 punching@wilsontool.com | Canada tel: 800.268.5573 punchingcanada@wilsontool.com | Mexico tel: 001.800.741.2510 punzonado@wilsontool.com

'A' STATION

Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
.031 - .061" [0.79 - 1.56mm]			
.062 - .092" [1.57 - 2.34mm]			
Clearance < .004" [.10mm]			

Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
.031 - .039" [0.79 - 1.0mm]			
.040 - .092" [1.01 - 2.34mm]			
Clearance < .004" [0.10mm]			

'B' STATION

Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
.031 - .061" [0.79 - 1.56mm]			
.062 - .092" [1.57 - 2.34mm]			
.093 - .249" [2.35 - 6.32mm]			
Clearance < .004" [.10mm]			

Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
.031 - .039" [0.79 - 1.0mm]			
.040 - .092" [1.01 - 2.34mm]			
'A' Dim < .437" [11.10mm]			
Clearance < .004" [0.10mm]			

'C' STATION

Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
<1.000" [25.4mm]			
Clearance < .004" [.10mm]			

Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
.031 - .039" [0.79 - 1.0mm]			
.040 - .092" [1.01 - 2.34mm]			
'A' Dim < 1.150" [29.21mm]			
Clearance < .004" [0.10mm]			

'D' STATION

Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
<1.900" [48.26mm]			
Clearance < .004" [.10mm]			

Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
.031 - .039" [0.79 - 1.0mm]			
.040 - .092" [1.01 - 2.34mm]			
'A' Dim < 1.900" [48.26mm]			
Clearance < .004" [0.10mm]			

'E' STATION

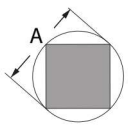
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
<3.400" [86.36mm]			
Clearance < .004" [.10mm]			

Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
.031 - .039" [0.79 - 1.0mm]			
.040 - .092" [1.01 - 2.34mm]			
'A' Dim < 3.400" [86.36mm]			
Clearance < .004" [0.10mm]			

RADIUS OR 45° CHAMFER 4 CORNERS

	RADIUS OR CHAMFER SIZE	PRICE
Punch	.001 - .062" [0.02 - 1.57mm]	
	.063 - .250" [1.58 - 6.35mm]	
	> .25" [.10mm]	

	RADIUS OR CHAMFER SIZE	PRICE
Die	Any Size	

MAX 'A' DIMENSION	NOTES
	Additional cost on round or shape punch for: • Extra straight before radius • Extra back taper • No back taper

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