WILSON TOOL

THICK TURRET

PUNCH TOOLING SOLUTIONS



2026 NOW INCLUDING iSERIES™ THICK TURRET TOOLING

Calculate Faster with the
WILSON TOOL APP
QUICKLY AND EASILY CALCULATE

- Cutting Clearance
- Punching Force
- Bending Force
- Radius Air Bending
- Box Height
- And Much More!

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Download Today!



CONNECT WITH WILSON TOOL

Keep up with everything that's new at Wilson Tool International! Visit our website or find us on social media for the latest information, news, videos and product releases.

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NOTE:
Prices and product availability are subject to change without notice.

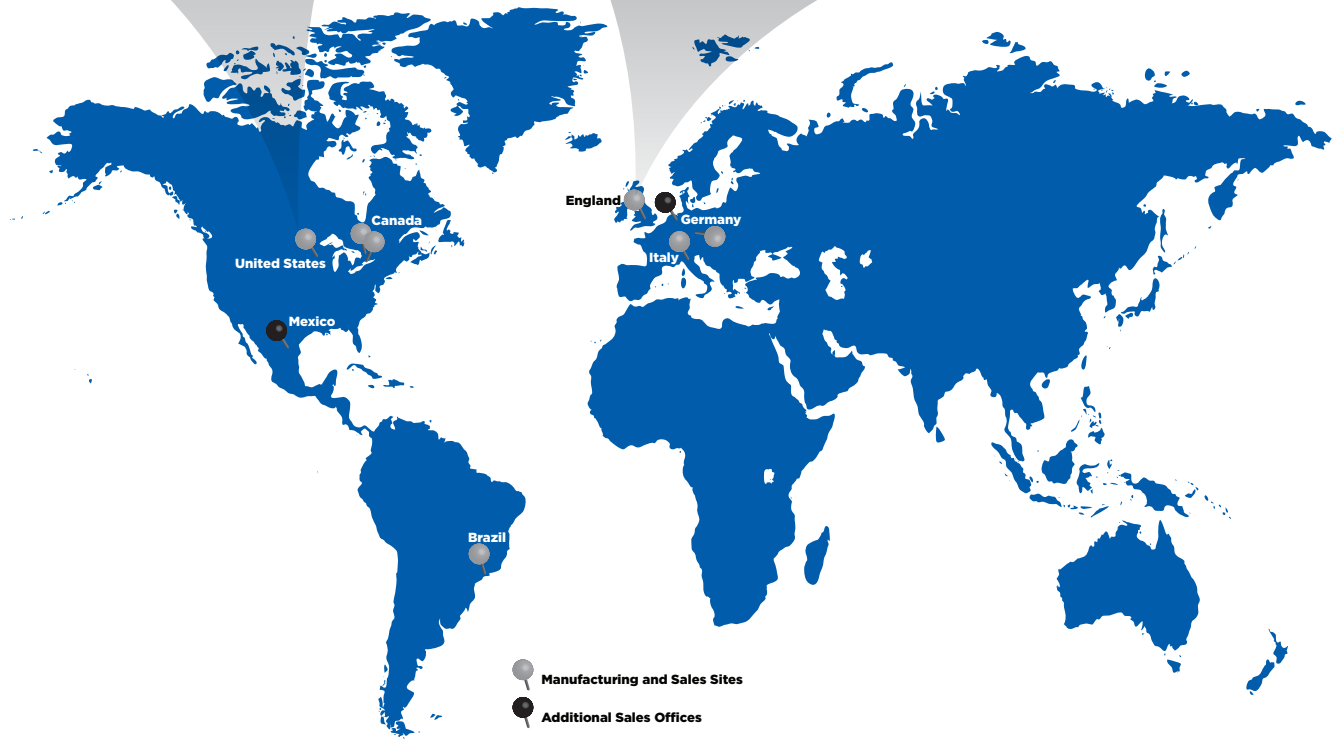
WILSON TOOL - Solutions *not only tools*

Wilson Tool International is the largest independent tooling manufacturer in the world, serving customers across six continents with innovative solutions for the **bending, punching, and stamping** industries. With **over 900 employees** and **50,000 square metres of manufacturing space globally**, we are uniquely positioned to provide the most comprehensive range of tooling systems and accessories.

From precision press brake tooling to advanced stamping solutions, our products are designed to enhance efficiency and solve complex fabrication challenges. Whether you're looking for **customised tooling** or industry-leading innovations, Wilson Tool delivers **solutions, not only tools.**

Wilson Tool International HEADQUARTERS
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MN 55110, USA

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Stirling Road,
South Marston Industrial Estate,
Swindon, Wiltshire, SN3 4TQ



Scan QR Code for full contact details for all our locations

BENDING

Wilson Tool International provides a **comprehensive range of bending tools** engineered for precision and efficiency in press brake operations. Our solutions include **Euro-style, Trumpf®-style, Wila®-style and Bystronic™-style tooling**, along with **clamping systems and accessories** designed to optimise setup and performance.

With **advanced forming tools** and cutting-edge designs, we help manufacturers achieve **consistent, high-quality bends** while reducing downtime. Whether you need **standard or custom tooling**, Wilson Tool delivers expertise that drives results.



STAMPING



Wilson Tool International offers **high-performance stamping tools** through its **Impax Tooling Solutions®** and **Exacta Tooling Solutions™** lines. With durable punches, dies, and retainers, we help manufacturers **maximise uptime and tackle demanding metal forming challenges.**

PUNCHING

Wilson Tool International offers a **comprehensive range of punch press tooling** designed to maximise efficiency and precision in sheet metal fabrication.

Our solutions include **EXP® punch tip technology**, which reduces setup time and extends tool life, **multi-tools** that optimise machine capacity, and **innovative forming** tools that minimise secondary operations.

With industry-leading advancements like the **Wilson Wheel® family** and **HPX® assemblies**, we help manufacturers streamline production and achieve superior performance. Plus, with the **fastest delivery times in the industry**, you get the tools you need—when you need them.



ACCESSORIES



Wilson Tool's **Xtra Accessories** line offers a **wide selection of machine parts** and **accessories** designed to enhance productivity in **press brake** and **punch press operations**. Our **tool storage systems** keep your workspace organised, while **XSharp™ grinders** ensure precise tool sharpening, helping manufacturers **boost efficiency** and **minimise downtime.**





ISERIES™ TOOLING THICK TURRET

A Better Tooling Option for the AITS® System

iSeries™ tooling from Wilson Tool International is fully compatible with the AITS tool ID system. It comes laser coded and ready for AITS automatic tool registry, storage and tracking right out of the box.

Small station tooling is available in HPX® and Metric HP2, and large station includes Metric HP, Standard and Wilson HP. A and B station HPX and HP2 assemblies now have a push button guide release. This design allows the spring pack to be mechanically attached to the guide so there is no risk of it separating during loading.

Now you can get AITS-compatible tooling along with the prompt delivery and personal service you've come to expct from Wilson Tool. Conact us today!

Features:

- Fully compatible with Amada AITS tool management system
- Each tool includes required laser-marked data matrix code
- Tooling characteristic documents ship with each tooling order
- HPX® and HP2 tooling include a mechanically fastened guide retention feature, to ensure proper tool assembly during loading with easy push button guide removal

Tool Styles:

- HPX® (A & B Station)
- Metric Style HP2 (A & B Station)
- Metric HP Style (C, D & E Station)
- Wilson HP Style (C, D & E Station)
- HP DuraBlade® (D & E Station)
- Specials

Scan QR Code to Explore More iSeries™



DATA MATRIX CODE

iSeries AVAILABLE

AITS is a trademark of AMADA HOLDINGS CO., LTD.

THICK TURRET TOOLING SOLUTIONS



SMALL STATION FEATURES	HPX®	HP2	HP2 METRIC
Hardened guides for increased durability	●	●	●
Simple tool-less stripper change	●	●	●
Replaceable stripper plates	●	●	●
Relieved strippers for extended grind 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	●	●	●
Amada™ PDC Compatible	●	●	●
EXP® quick change technology	●		
Made standard from Ultima® premium tool steel	●		
Accepts round or shaped punches in the same assembly	●		
Push button guide release	●		
iSeries™ available	●		

HPX® Ⓐ STATION



PUNCH AND GUIDE ASSEMBLY



GUIDE



EXP® PUNCH



STRIPPER



DIE

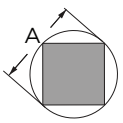
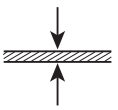
SHIM

	STANDARD		iSERIES	
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14936		14936i	
Shape	14937		14937i	
Optima® Coating	–		–	
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Assembly only 0° & 90°	14942		–	–
Assembly only 0° & 45°	14943		–	–
Assembly only 0°, 90°, 180° & 270°	14944		–	–
SPRING PACK ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Spring Pack Assembly Only	14366		14366i	
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14076X		14076i	
Shape 0°	14077X		14077i	
Shape 0° & 45°	14079X		14079i	
Shape 0° & 90°	14078X		14078i	
PUNCH	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	13904		13904i	
Shape	13905		13905i	
Optima® Coating	–		–	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	13045		13045i	
Shape	13152		13152i	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13595		13595i	
Round Standard	1808		1808i	
Shape Slug Hugger® 2*	12959		12959i	
Shape Standard	13801		13801i	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

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

Additional charges may apply to non-standard features. See pages 115 — 116.

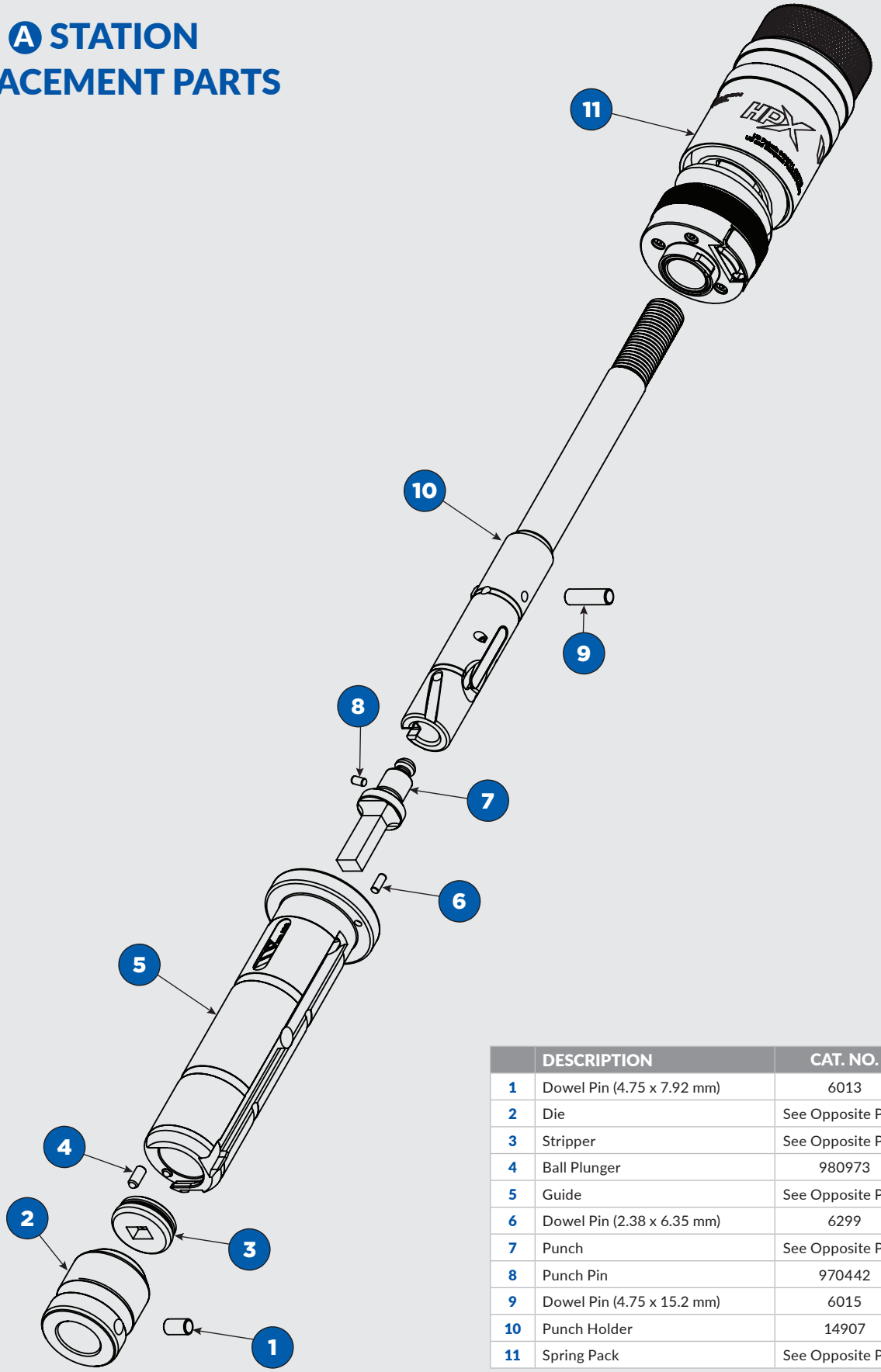
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HPX® tooling is Wilson Tool's 'Best' product. It is loaded with all the great features of the HP2 plus the EXP® quick change punch system with Ultima® premium tool steel as standard.	12.7mm 	3.81mm 	• Compatible with ABS and non-ABS machines.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

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



HPX® Ⓐ STATION REPLACEMENT PARTS



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

EXP® Ⓐ STATION ADAPTERS — WILSON STYLE







HP & HP2 PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14897	
Shape	14895	

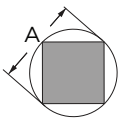
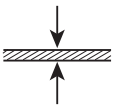
HP & HP2 ABS PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14893	
Shape	14891	

STANDARD PUNCH HOLDER		
Compatible with Wilson Basix Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14901	
Shape	14899	



Scan QR Code to Explore More EXP®

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

DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
EXP® punch holders allow you to convert your current Wilson Style punch and guide assemblies to the EXP quick change punch system. Ultima® premium tool steel is standard in EXP punches.	12.7mm 	3.81mm 	Additional charges may apply to non-standard features. See page 115 – 116.

STANDARD SHAPES Non-standard shapes available. See pages 96 - 102



EXP® Ⓐ STATION ADAPTERS — METRIC STYLE







METRIC HP2 & BASIX PUNCH HOLDER		
Compatible with Metric Style Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14905*	
Shape	14903	

METRIC HP2 & BASIX ABS PUNCH HOLDER		
Compatible with Metric Style Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14909*	
Shape	14907	

ULTRA PUNCH HOLDER		
Compatible with Ultra Punch and Guide Assemblies		
	CAT. NO.	PRICE
Ultra	15575	

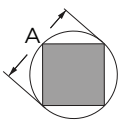
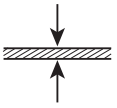


EXP® Punch Grinding Fixture

Fixture for sharpening A and B Station EXP® punches with our innovative XSharp™ Grinder.

CAT. NO.	PRICE
6990	



DESCRIPTION	MAX. 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® premium tool steel is standard in EXP punches.	12.7mm 	3.81mm 	Additional charges may apply to non-standard features. See page 115 – 116. * Pinned Round

STANDARD SHAPES Non-standard shapes available. See pages 96 - 102



HP2 Ⓐ STATION — WILSON STYLE



HP2 PUNCH AND GUIDE ASSEMBLY



PUNCH
(ABS shown)



GUIDE



STRIPPER



DIE

SHIM

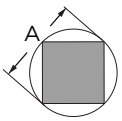
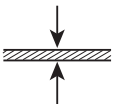
	STANDARD		ABS	
HP2 PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	13767		13770	
Shape	13769		13772	
Optima® Coating	—		—	
Ultima® Add On	—		—	
Spring Pack Assembly	14150		14150	
PUNCH	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2405		2385	
Shape	2406		2389	
Optima® Coating	—		—	
Ultima® Add On	—		—	
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2821		2835	
Shape 0°	2822		2836	
Shape 0° & 45°	2903		2907	
Shape 0° & 90°	2904		2908	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	13044		13045	
Shape	13143		13152	

DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13595	
Round Standard	1808	
Shape Slug Hugger® 2*	12959	
Shape Standard	13801	

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

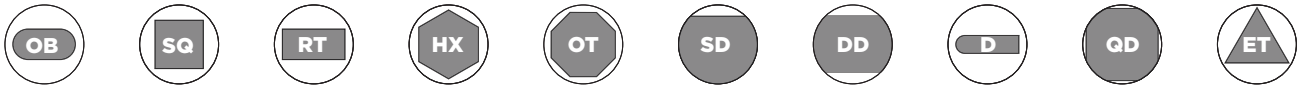
DIE SHIM		**CAT. NO.**	**PRICE**
0.25mm	single	2101	
0.76mm	single	2721	
1.50mm	single	2104	
0.25mm	pack of 25	2208	
0.76mm	pack of 25	2722	
1.50mm	pack of 25	2172	

Additional charges may apply to non-standard features. See pages 115 — 116.

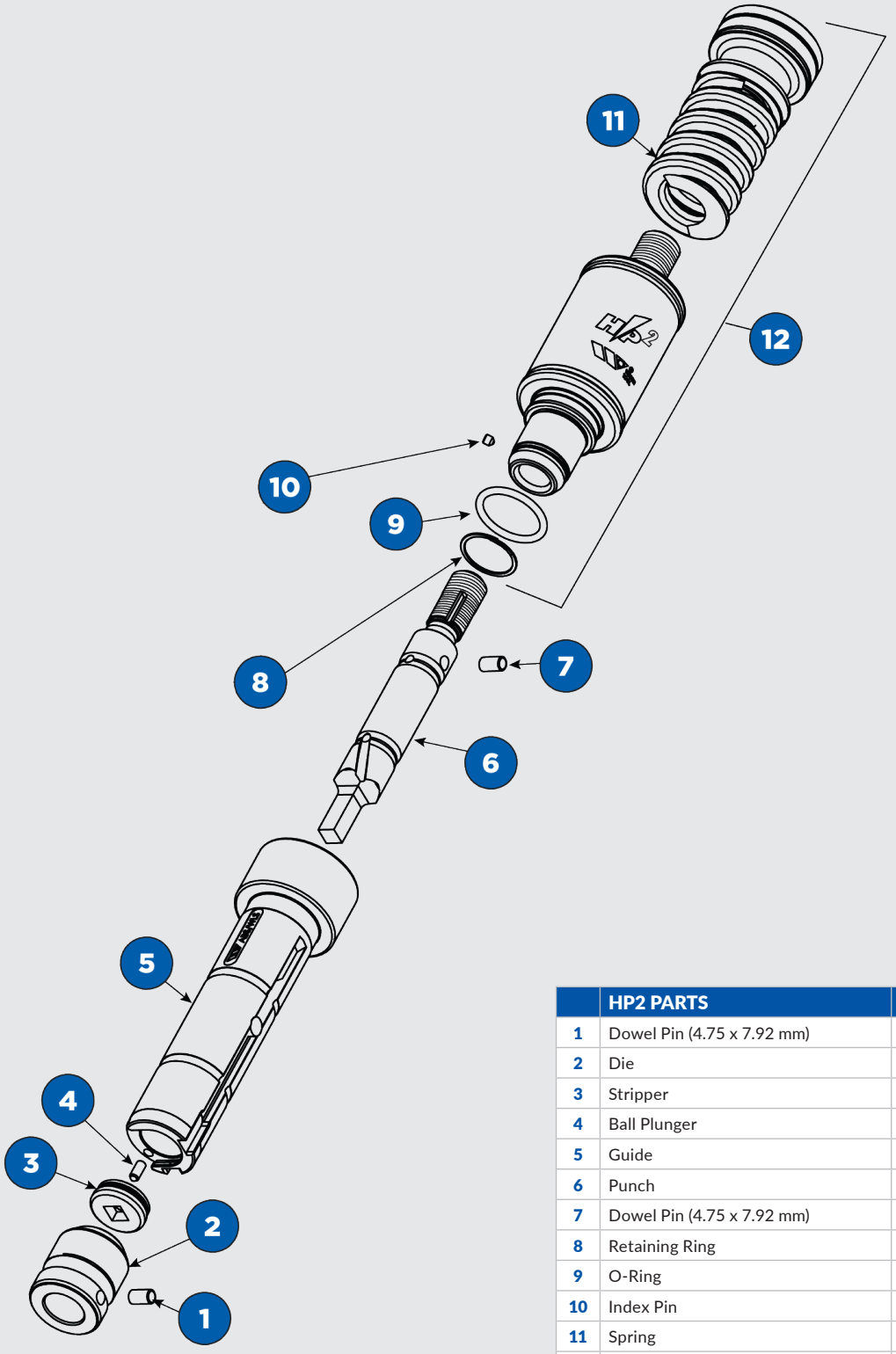
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP2 is Wilson Tool's "Better" product. It offers great value with standard features like, easy click length adjustment, high grade tool steel, and is available in ABS.	12.7mm 	3.81mm 	HP punches and dies are available in Ultima® premium tool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

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



HP2 Ⓐ STATION REPLACEMENT PARTS



	HP2 PARTS	CAT. NO.
1	Dowel Pin (4.75 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980973
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin (4.75 x 7.92 mm)	6013
8	Retaining Ring	6853
9	O-Ring	2282
10	Index Pin	6873
11	Spring	24291
12	Spring Pack Assembly	14150

HP2 Ⓐ STATION — METRIC STYLE

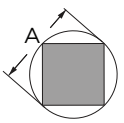
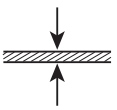


	STANDARD		ABS		iSERIES	
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14052		14054		14054i	
Shape	14053		14055		14055i	
Optima® Coating	—		—		—	
Spring Pack Assembly	14153		14153		14153i	
PUNCH (ABS Shown)	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round, pinned**	14048		13869		13869i	
Shape	2182		13870		13870i	
Optima® Coating	—		—		—	
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14072		14076		14076i	
Shape 0°	14073		14077		14077i	
Shape 0° & 45°	14075		14079		14079i	
Shape 0° & 90° (Option add 180° & 270°)	14074		14078		14078i	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	13044		13045		13045i	
Shape	13143		13152		13152i	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13595		—	—	13595i	
Round Standard	1808		—	—	1808i	
Shape Slug Hugger® 2*	12959		—	—	12959i	
Shape Standard	13801		—	—	13801i	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

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

Additional charges may apply to non-standard features. See pages 115 — 116.

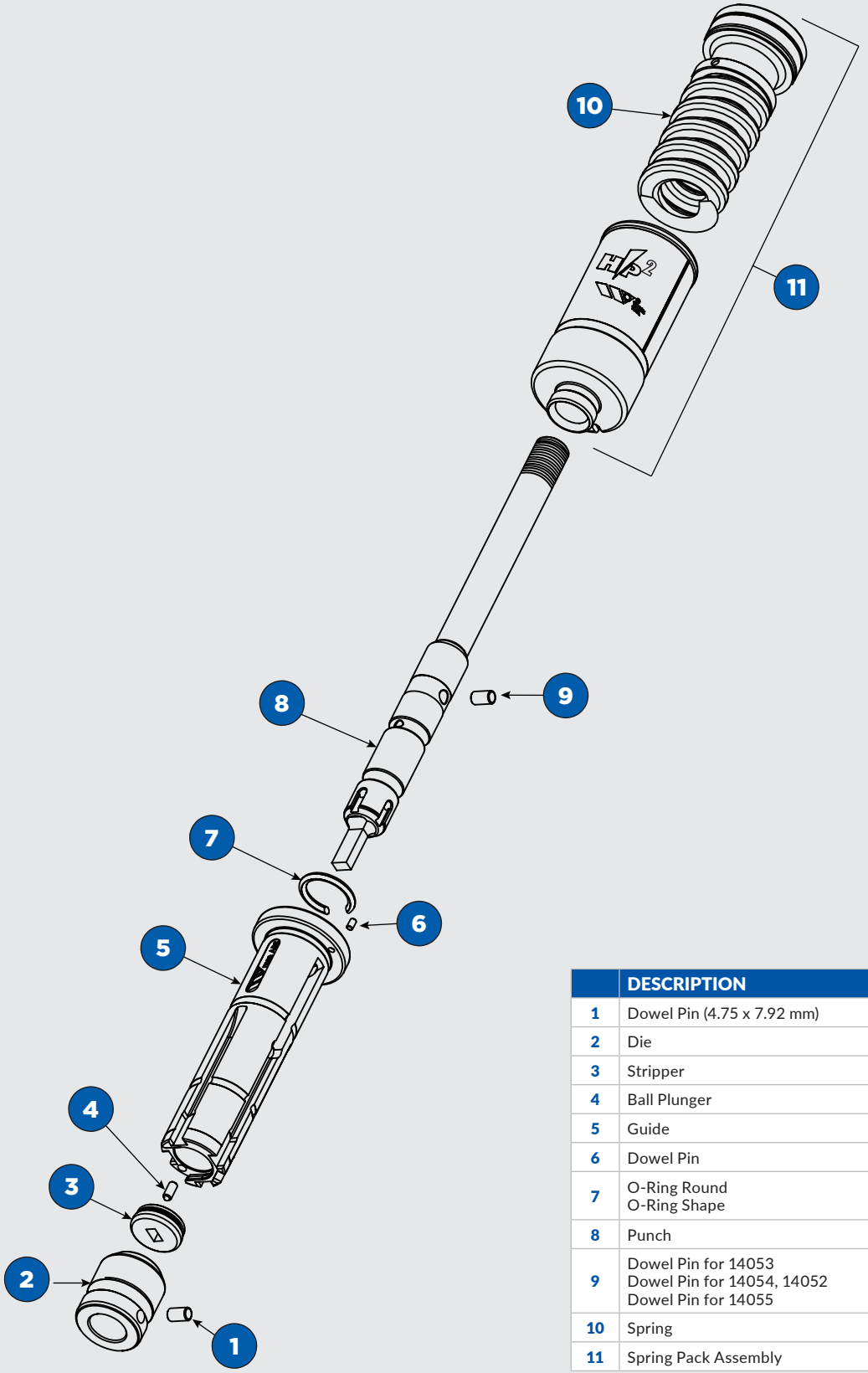
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP2 is Wilson Tool's 'Better' product. If offers a great value with standard features like easy click length adjustment, high grade tool steel, ABS compatible.	12.7mm 	3.81mm 	**HP2 assemblies require a pinned round punch. Dies are available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

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



HP2 Ⓐ STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Dowel Pin	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	See Opposite Page

HPX® Ⓑ STATION



PUNCH AND GUIDE ASSEMBLY



GUIDE



EXP® PUNCH



STRIPPER



DIE

SHIM

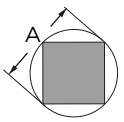
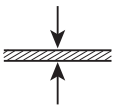
Scan QR Code to Explore More HPX®

	STANDARD		iSERIES	
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14939		14939i	
Shape	14940		14940i	
Optima® Coating	–		–	
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Assembly only 0° & 90°	14945		–	–
Assembly only 0° & 45°	14946		–	–
Assembly only 0°, 90°, 180° & 270°	14947		–	–
SPRING PACK ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Spring Pack Assembly Only	14367		14367i	
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14084X		14084i	
Shape 0°	14085X		14085i	
Shape 0° & 45°	14087X		14087i	
Shape 0° & 90°	14086X		14086i	
PUNCH	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	13916		13916i	
Shape	13917		13917i	
Optima® Coating	–		–	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2433		2433i	
Shape	2432		2432i	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13596		13596i	
Round Standard	2021		2021i	
Shape Slug Hugger® 2*	12961		12961i	
Shape Standard	13804		13804i	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

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

Additional charges may apply to non-standard features. See pages 115 — 116.

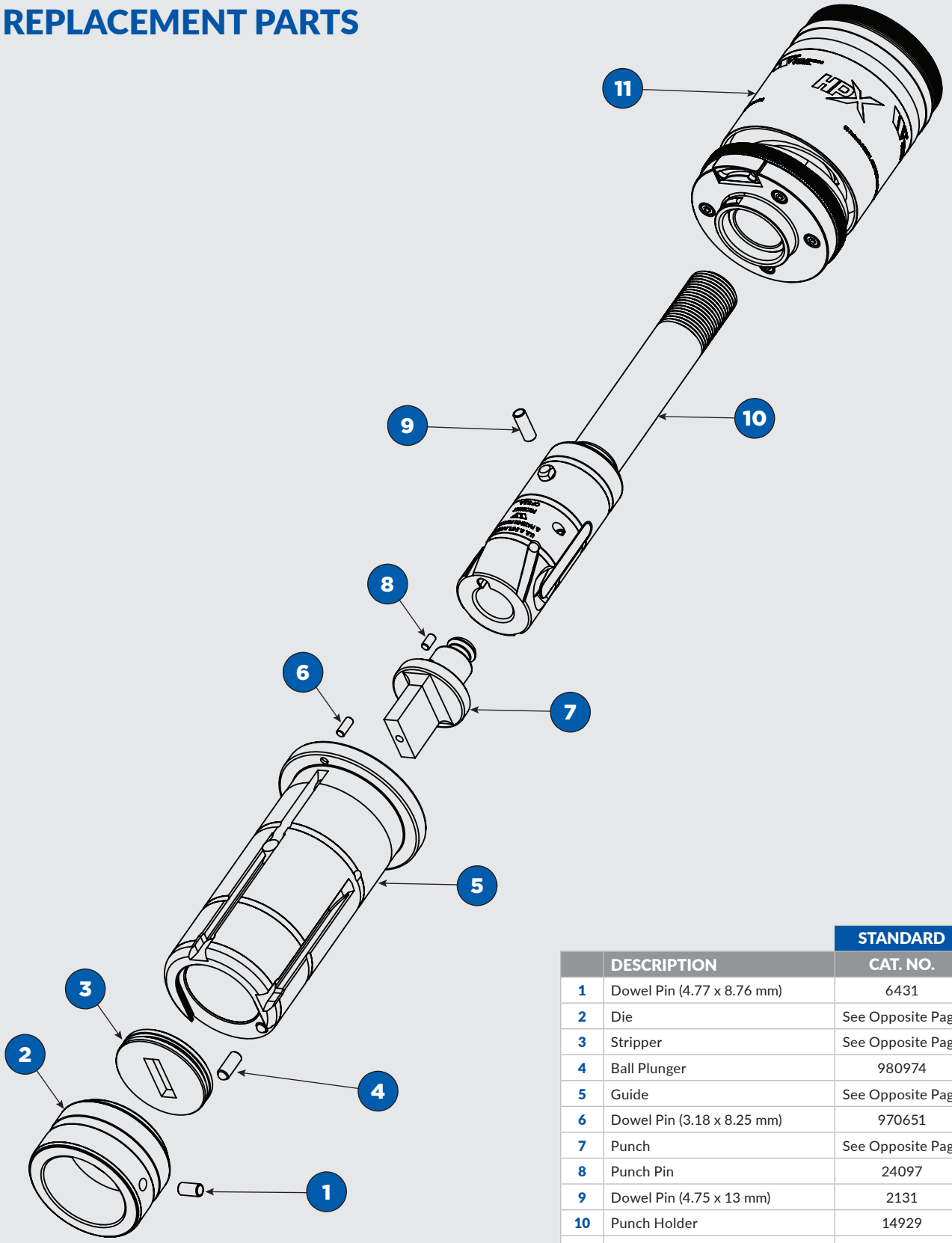
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HPX® tooling is Wilson Tool's 'Best' product. It is loaded with all the great features of the HP2 plus the EXP® quick change punch system with Ultima® premium tool steel as standard.	31.75mm 	6.35mm 	• Compatible with ABS and non-ABS machines.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

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



HPX® Ⓑ STATION REPLACEMENT PARTS



		STANDARD
	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.77 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Dowel Pin (3.18 x 8.25 mm)	970651
7	Punch	See Opposite Page
8	Punch Pin	24097
9	Dowel Pin (4.75 x 13 mm)	2131
10	Punch Holder	14929
11	Spring Pack	See Opposite Page

EXP® Ⓑ STATION ADAPTERS — WILSON STYLE







HP & HP2 PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14919	
Shape	14917	

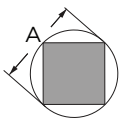
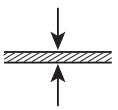
HP & HP2 ABS PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14915	
Shape	14913	

STANDARD PUNCH HOLDER		
Compatible with Wilson Basix Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14923	
Shape	14921	

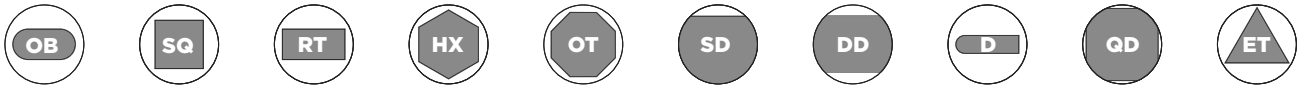


Scan QR Code to Explore More EXP®

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

DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
EXP® punch holders allow you to convert your current Wilson Style punch and guide assemblies to the EXP quick change punch system. Ultima® premium tool steel is standard in EXP® punches.	31.75mm 	6.35mm 	Additional charges may apply to non-standard features. See page 115 – 116.

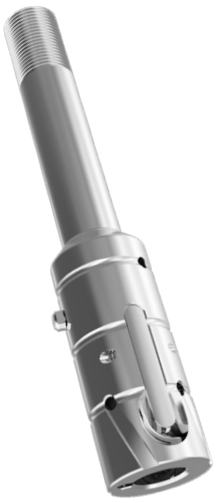
STANDARD SHAPES Non-standard shapes available. See pages 96 - 102



EXP® Ⓑ STATION ADAPTERS — METRIC STYLE



METRIC HP2 & BASIX PUNCH HOLDER		
Compatible with Metric Style Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14927*	
Shape	14925	



METRIC HP2 & BASIX ABS PUNCH HOLDER		
Compatible with Metric Style Punch and Guide Assemblies		
	CAT. NO.	PRICE
Round	14931*	
Shape	14929	



ULTRA PUNCH HOLDER		
Compatible with Ultra Punch and Guide Assemblies		
	CAT. NO.	PRICE
Ultra	15577	

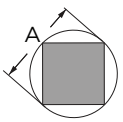
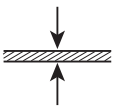


EXP® Punch Grinding Fixture

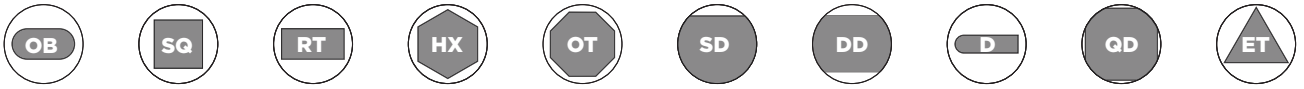
Fixture for sharpening A and B Station EXP® punches with our innovative XSharp™ Grinder.

CAT. NO.	PRICE
6990	



DESCRIPTION	MAX. 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® premium tool steel is standard in EXP® punches.	31.8mm 	6.35mm 	Additional charges may apply to non-standard features. See page 115 – 116. * Pinned Round

STANDARD SHAPES Non-standard shapes available. See pages 96 - 102



HP2 Ⓑ STATION — WILSON STYLE



HP2 PUNCH AND GUIDE ASSEMBLY



PUNCH
(ABS shown)



GUIDE



STRIPPER



DIE

SHIM

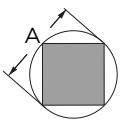
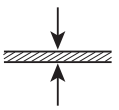
	STANDARD		ABS	
HP2 PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	13779		13782	
Shape	13781		13784	
Optima® Coating	—		—	
Ultima® Add on	—		—	
Spring Pack Assembly	14149		14149	
PUNCH (ABS SHOWN)	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2407		2398	
Shape	2408		2399	
Optima® Coating	—		—	
Ultima® Add on	—		—	
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	2859		2881	
Shape 0°	2860		2882	
Shape 0°, & 45°	2861		2883	
Shape 0° & 90°	2862		2884	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	1890		2433	
Shape	1917		2432	

DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13596	
Round Standard	2021	
Shape Slug Hugger® 2*	12961	
Shape Standard	13804	

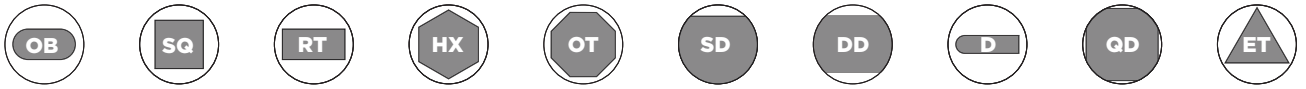
*Slug Hugger® dies must be ordered punch size plus clearance. Size restrictions apply.

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

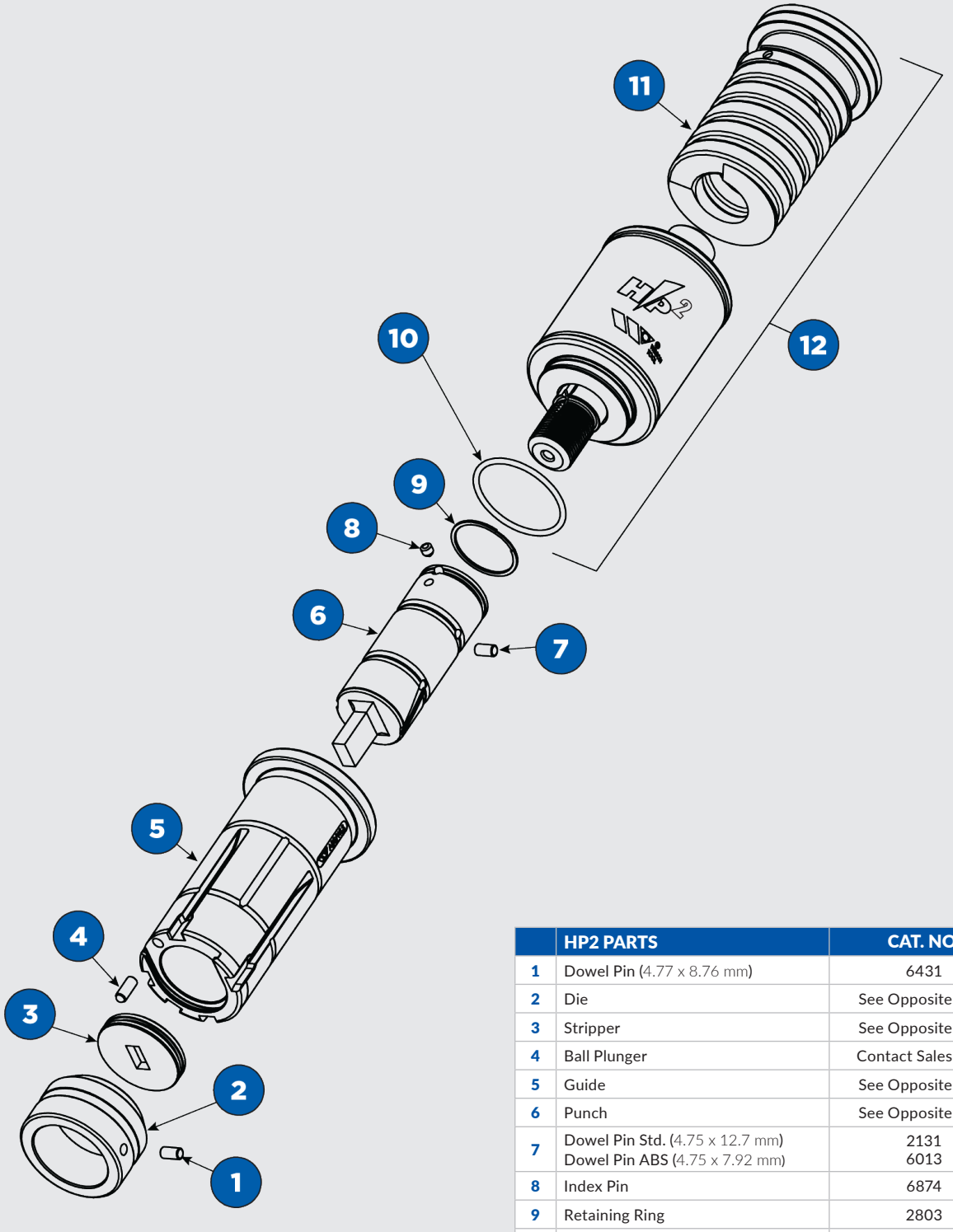
Additional charges may apply to non-standard features. See pages 115 — 116.

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

STANDARD SHAPES Non-standard shapes available. See pages 96 - 102



HP2 & HP Ⓑ STATION REPLACEMENT PARTS



	HP2 PARTS	CAT. NO.
1	Dowel Pin (4.77 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin Std. (4.75 x 12.7 mm) Dowel Pin ABS (4.75 x 7.92 mm)	2131 6013
8	Index Pin	6874
9	Retaining Ring	2803
10	O-Ring	2283
11	Spring	00030
12	HP2 Spring Pack Assembly	14149

HP2 Ⓑ STATION — METRIC STYLE

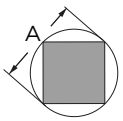
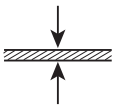


	STANDARD		ABS		iSERIES	
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14056		14058		14058i	
Shape	14057		14059		14059i	
Optima® Coating	—		—		—	
Spring Pack Assembly	14172		14172		14172i	
PUNCH (ABS Shown)	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round, pinned**	14049		13871		13871i	
Shape	2184		13872		13872i	
Optima® Coating	—		—		—	
GUIDE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	14080		14084		14084i	
Shape 0°	14081		14085		14085i	
Shape 0° & 45°	14083		14087		14087i	
Shape 0° & 90° (Option add 180° & 270°)	14082		14086		14086i	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	1890		2433		2433i	
Shape	1917		2432		2432i	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13596		—	—	13596i	
Round Standard	2021		—	—	2021i	
Shape Slug Hugger® 2*	12961		—	—	12961i	
Shape Standard	13804		—	—	13804i	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

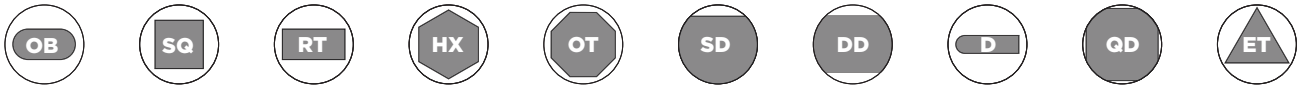
DIE SHIM		CAT. NO.	PRICE
0.25mm	single	2097	
0.76mm	single	2723	
1.50mm	single	2100	
0.25mm	pack of 25	2209	
0.76mm	pack of 25	2724	
1.50mm	pack of 25	2173	

Additional charges may apply to non-standard features. See pages 115 — 116.

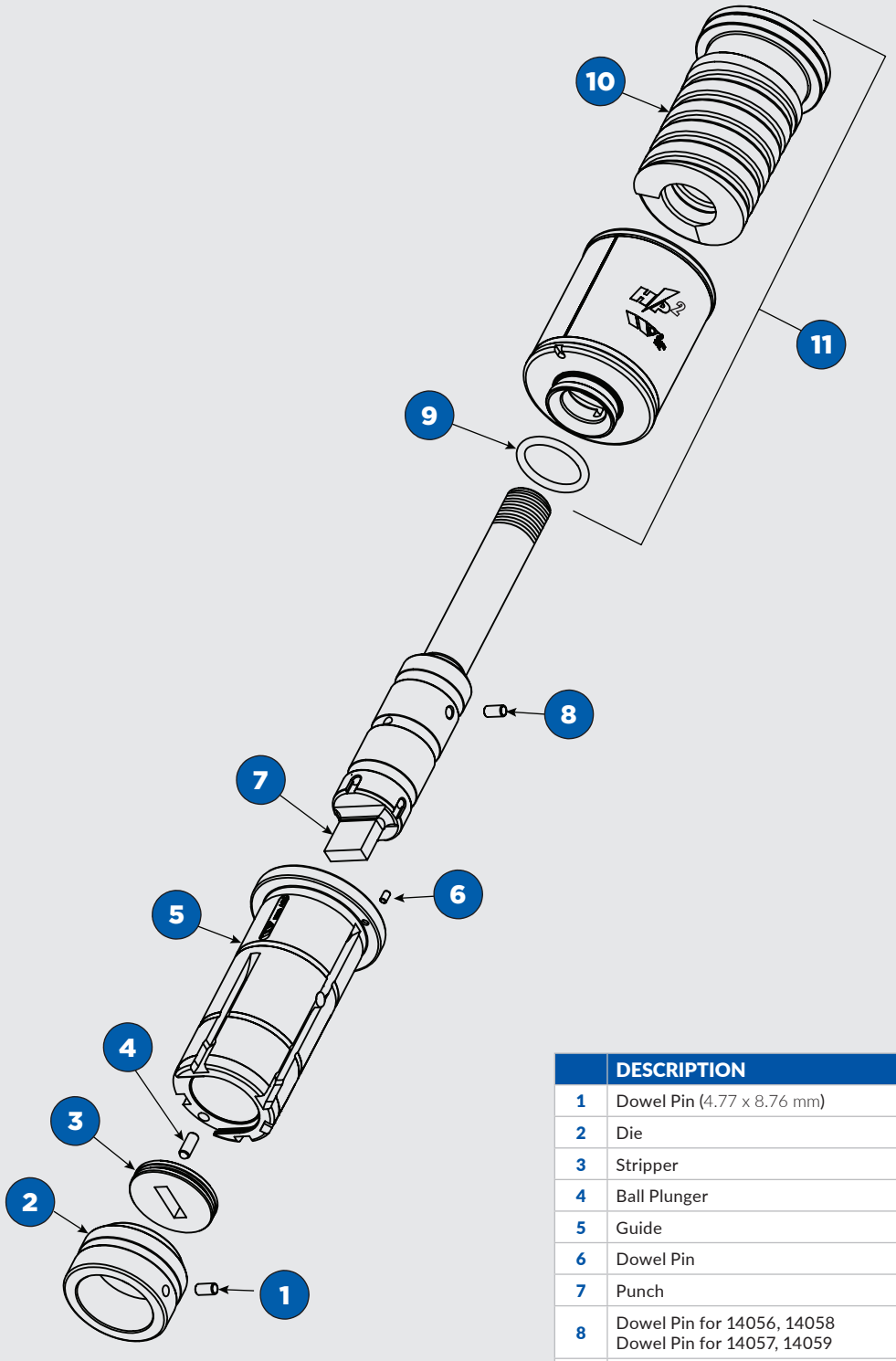
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
HP2 is Wilson Tool's 'Better' product. If offers a great value with standard features like easy click length adjustment, high grade tool steel, ABS compatible.	31.75mm 	6.35mm 	**HP2 assemblies require a pinned round punch. Dies are available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

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



HP2 Ⓑ STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.77 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Call Sales Desk
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	See Opposite Page

HPX® TECHNOLOGY THICK TURRET TOOLING

Best-in-Class Thick Turret Tooling

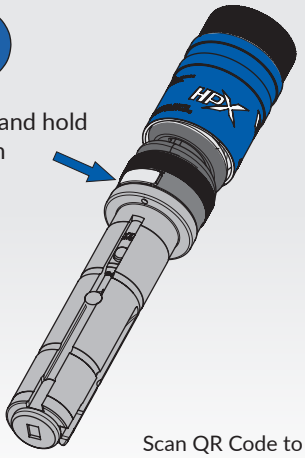
HPX® punch and guide assemblies from Wilson Tool International are specifically engineered to meet the needs of sheet metal manufacturers. They provide the easiest set-up and use for thick turret tooling to keep production running and downtime to a minimum.



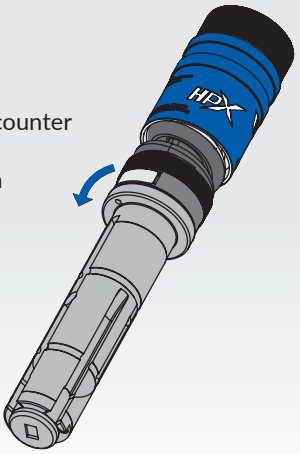
- **EXP® Punch Technology:** All EXP punches come standard with Wilson Tool's exclusive Ultima® premium tool steel — resulting in twice the life of most standard punches. Smaller punches mean you can stock more shapes in less space. Save on tooling replacement costs and inventory space.
- **Fast Tool Changes:** EXP punch tips are easily removed for sharpening and change overs with the push of a button.
- **Push-Button Guide Release:** With the push of a button, guides are released to reduce to the effort needed when changing and adjusting tooling.
- **Ultima® Premium Tool Steel:** Advanced tool steel increases wear resistance on punches and provides twice the tool life, substantially reducing downtime and tool replacement costs.
- **Quick Adjustment:** Each click adjusts the punch length by 0.13mm.
- **Versatility:** Guide assemblies are universal and can be used for round or shaped EXP punches. Guides support ABS and non-ABS functionality.

PUSH-BUTTON GUIDE RELEASE

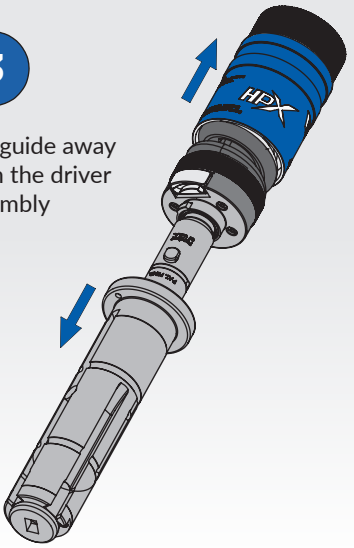
1 Press and hold button



2 Rotate guide counter clockwise and release button



3 Pull guide away from the driver assembly



Scan QR Code to Explore More HPX®

THICK TURRET TOOLING SOLUTIONS



LARGE STATION ADVANTAGES	HP	STANDARD
Up to 50% more bearing surface to reduce side loading	●	●
Internal and external lubrication	●	●
External keyways at 0°, 90° and 225°	●	●
OEM compatible (Metric Style)	●	●
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 (Wilson Style)	●	●
Push button lock release for quick stripper plate removal	●	
iSeries™ available	●	

HP C STATION — WILSON STYLE



GUIDE ASSEMBLY

PUNCH

STRIPPER

DIE

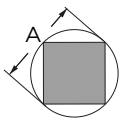
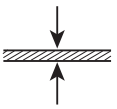
SHIM

	STANDARD		iSERIES	
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Assembly	5552		–	–
ABS Assembly	5508		5784i	
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	–	–	5769i	
Shape	–	–	5768i	
PUNCH	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	5026		5026i	
Shape	5025		5025i	
Optima® Coating	–		–	
Ultima® Add On	–		–	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	1848		–	–
Shape	1854		–	–
Round ABS	5150		5150i	
Shape ABS	5151		5151i	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13597		13597i	
Round Standard	1850		1850i	
Shape Slug Hugger® 2*	12964		12964i	
Shape Standard	13807		13807i	
Ultima® Add On	–		–	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

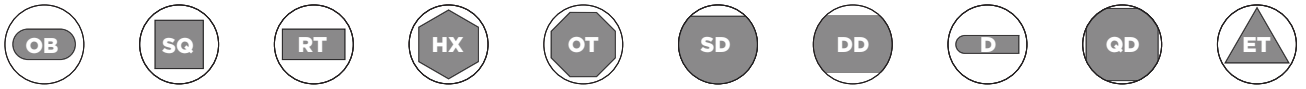
DIE SHIM		CAT. NO.	PRICE
0.25mm	single	2089	
0.76mm	single	2725	
1.50mm	single	2092	
0.25mm	pack of 10	2210	
0.76mm	pack of 10	2726	
1.50mm	pack of 10	2174	

Additional charges may apply to non-standard features. See pages 115 — 116.

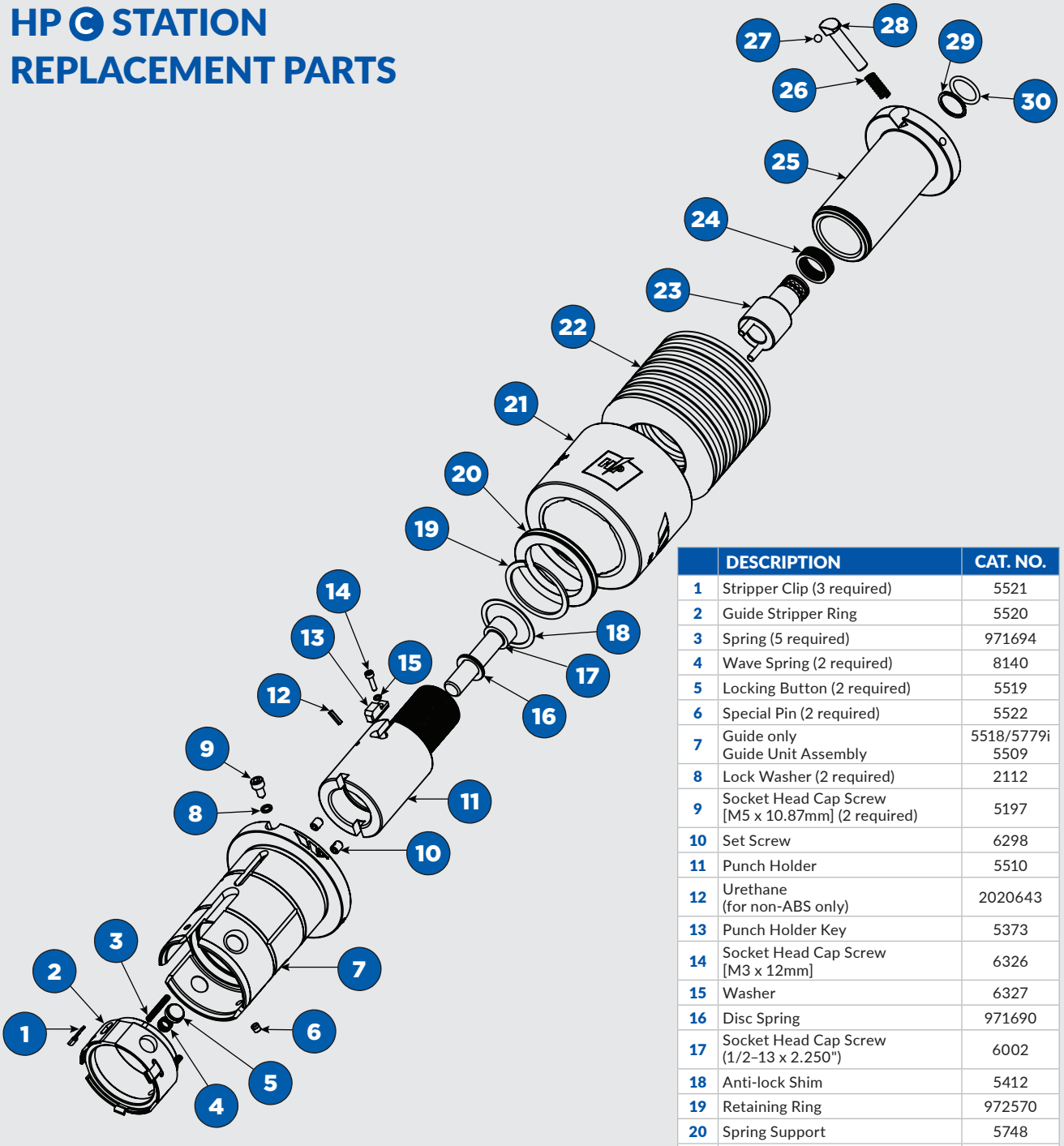
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225°, and 270°.	50.8mm 	6.35mm 	• All punches will be shipped with no shear, unless specified. • Use heavy duty punches for material thickness > 6.35mm or A Dimension < 31.75mm. • HP punches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

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



HP © STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Stripper Clip (3 required)	5521
2	Guide Stripper Ring	5520
3	Spring (5 required)	971694
4	Wave Spring (2 required)	8140
5	Locking Button (2 required)	5519
6	Special Pin (2 required)	5522
7	Guide only Guide Unit Assembly	5518/5779i 5509
8	Lock Washer (2 required)	2112
9	Socket Head Cap Screw [M5 x 10.87mm] (2 required)	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	5736/5736i
26	Spring	972615
27	Adjustment Locking Ball	972420
28	Driver Lock Button	10539
29	Retaining Ring	972441
30	O-Ring	972430

NOTE: iSeries Part numbers the same unless listed

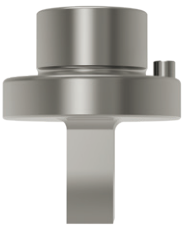
Cat. No. 5509 Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 8, & 9

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

STANDARD C STATION — WILSON STYLE



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

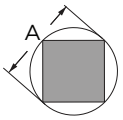
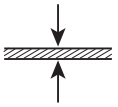
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Standard Assembly	5586	
PUNCH	**CAT. NO.**	**PRICE**
Round	5026	
Shape	5025	
Optima® Coating	—	
Ultima® Add on	—	
STRIPPER	**CAT. NO.**	**PRICE**
Round	1848	
Shape	1854	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13597	
Round Standard	1850	
Shape Slug Hugger® 2*	12964	
Shape Standard	13807	
Ultima® Add on	—	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

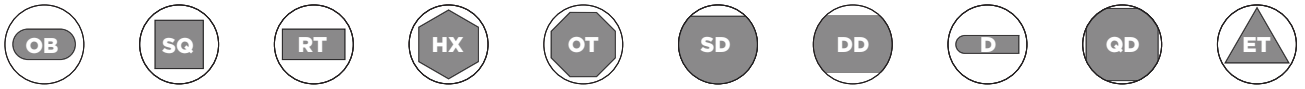
DIE SHIM		CAT. NO.	PRICE
0.25mm	single	2089	
0.76mm	single	2725	
1.50mm	single	2092	
0.25mm	pack of 10	2210	
0.76mm	pack of 10	2726	
1.50mm	pack of 10	2174	

Additional charges may apply to non-standard features.
See pages 115 — 116.

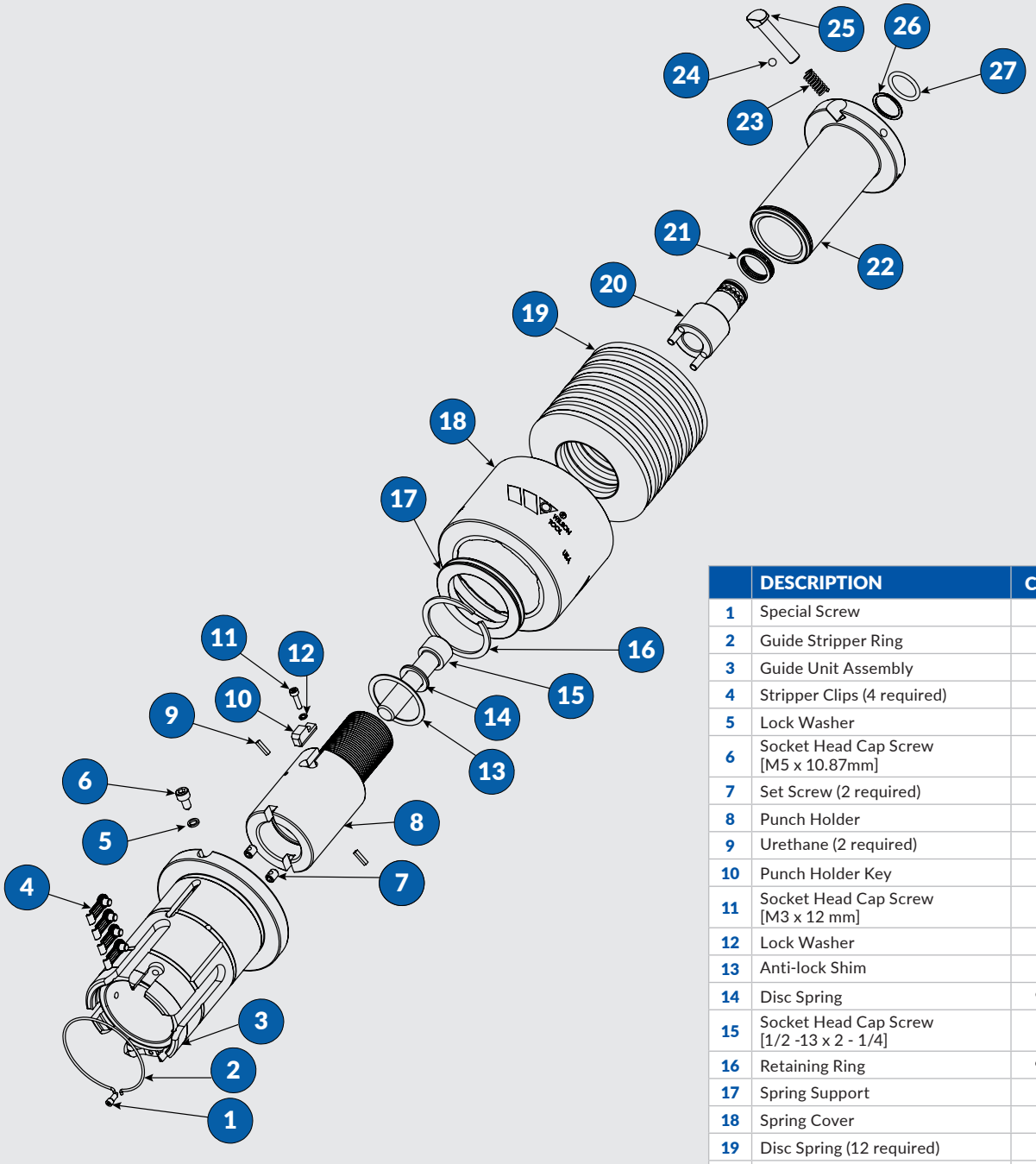
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Standard assembly strippers are held in by a stripper ring or clips. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	50.8mm 	6.35mm 	• All punches shipped with no shear unless specified. • Full assemblies ship with guide stripper ring installed; Spring clips are also included. • Dies available in Ultima® premium tool steel upon request. • Compatible with 1/2–13 punches.

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



STANDARD © STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Special Screw	429
2	Guide Stripper Ring	5035
3	Guide Unit Assembly	5420
4	Stripper Clips (4 required)	2810
5	Lock Washer	2112
6	Socket Head Cap Screw [M5 x 10.87mm]	5197
7	Set Screw (2 required)	6298
8	Punch Holder	5510
9	Urethane (2 required)	6116
10	Punch Holder Key	5373
11	Socket Head Cap Screw [M3 x 12 mm]	6326
12	Lock Washer	6327
13	Anti-lock Shim	5412
14	Disc Spring	971690
15	Socket Head Cap Screw [1/2 -13 x 2 - 1/4]	6002
16	Retaining Ring	972570
17	Spring Support	5748
18	Spring Cover	5693
19	Disc Spring (12 required)	5744
20	Adjustment Shaft	5735
21	Wave Spring	971692
22	Punch Driver	5736
23	Spring	972615
24	Adjustment Locking Ball	972420
25	Adjustment Push Button	10539
26	Retaining Ring	972441
27	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

STANDARD © STATION — METRIC STYLE

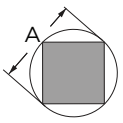
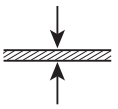


	STANDARD		iSERIES	
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
ABS Assembly M-14	13084		13084i	
WLS Assembly M-12	5583		—	—
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	—	—	14271i	
Shape	—	—	14285i	
PUNCH (M14 ABS Shown)	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round M12 Thread	1933		—	—
Round ABS M14 Thread	13614		13614i	
Shape M12 Thread	1934		—	—
Shape ABS M14 Thread	13615		13615i	
Optima® Coating	—		—	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	1848		—	—
Shape	1854		—	—
Round ABS	5150		5150i	
Shape ABS	5151		5151i	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13597		13597i	
Round Standard	1850		1850i	
Shape Slug Hugger® 2*	12964		12964i	
Shape Standard	13807		13807i	
Ultima® Add-on	—		—	

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

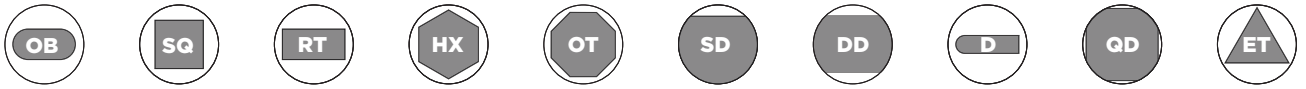
DIE SHIM		CAT. NO.	PRICE
0.25mm	single	2089	
0.76mm	single	2725	
1.50mm	single	2092	
0.25mm	pack of 10	2210	
0.76mm	pack of 10	2726	
1.50mm	pack of 10	2174	

Additional charges may apply to non-standard features. See pages 115 — 116.

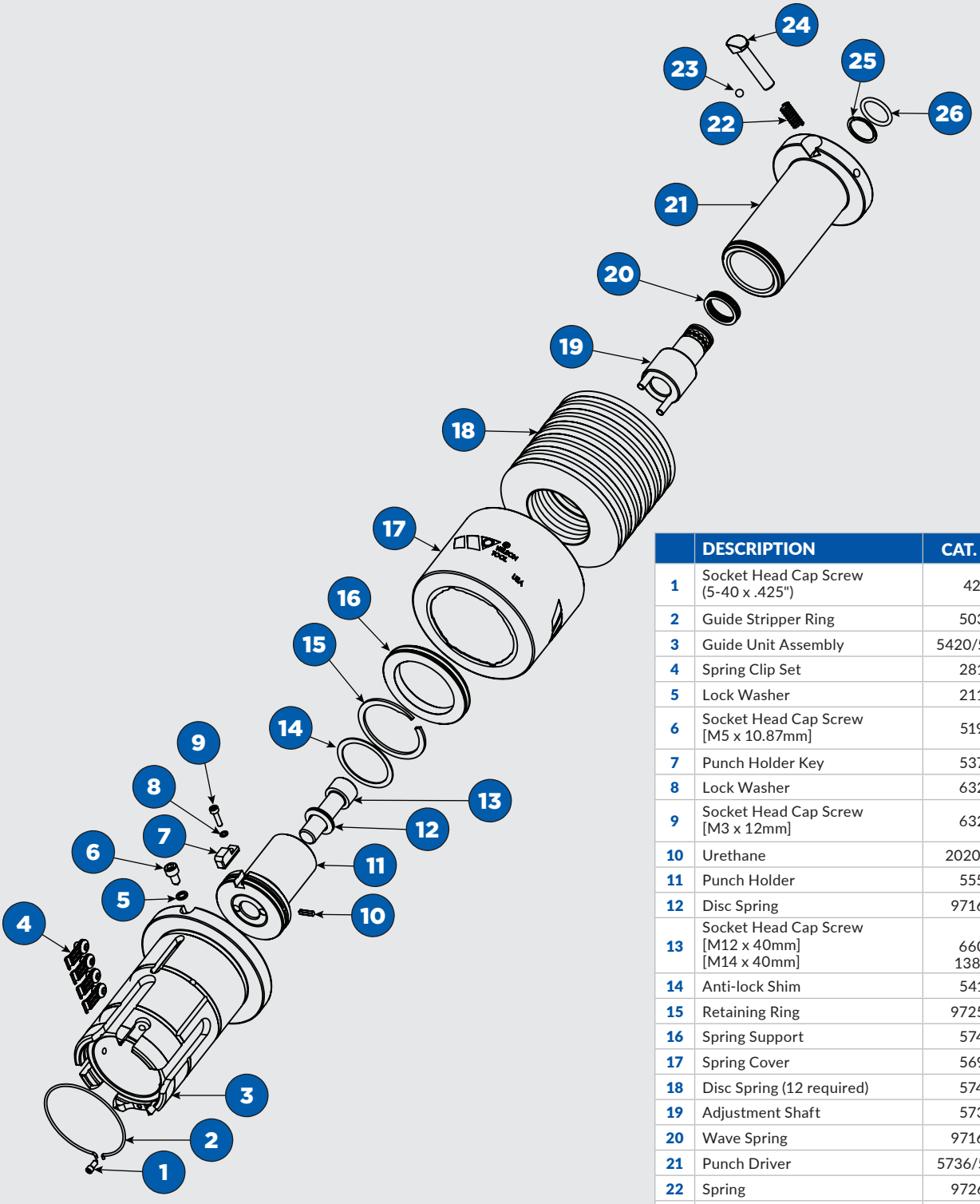
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Standard assembly strippers are held in by a stripper ring or clips. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	50.8mm 	6.35mm 	• All punches shipped with no shear unless specified. • Full assemblies ship with guide stripper ring installed; Spring clips are also included. • 13084 includes M-12 bolt. • Dies available in Ultima® premium tool steel upon request.

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



STANDARD Ⓒ STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw (5-40 x .425")	429
2	Guide Stripper Ring	5035
3	Guide Unit Assembly	5420/5420i
4	Spring Clip Set	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]	6605 13843
14	Anti-lock Shim	5412
15	Retaining Ring	972570
16	Spring Support	5748
17	Spring Cover	5693
18	Disc Spring (12 required)	5744
19	Adjustment Shaft	5735
20	Wave Spring	971692
21	Punch Driver	5736/5736i
22	Spring	972615
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

NOTE: iSeries Part numbers the same unless listed

HP Ⓓ STATION — WILSON STYLE

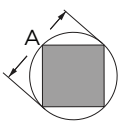
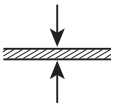


	STANDARD		iSERIES	
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Assembly	5553		N/A	—
ABS Assembly	5523		5523i	
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	—	—	5771i	
Shape	—	—	5770i	
PUNCH	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	5028		5028i	
Shape	5027		5027i	
Optima® Coating	—		—	
Ultima® Add on	—		—	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	1864		—	—
Shape	1869		—	—
Round ABS	5152		5152i	
Shape ABS	5153		5153i	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13598		13598i	
Round Standard	1865		1865i	
Shape Slug Hugger® 2*	12965		12965i	
Shape Standard	13810		13810i	
Ultima® Add on	—		—	

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

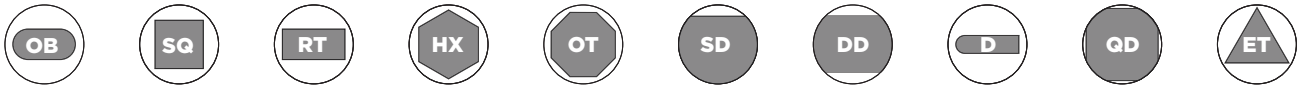
DIE SHIM		CAT. NO.	PRICE
0.25mm	single	2081	
0.76mm	single	2727	
1.50mm	single	2084	
0.25mm	pack of 5	2211	
0.76mm	pack of 5	2728	
1.50mm	pack of 5	2175	

Additional charges may apply to non-standard features. See pages 115 — 116.

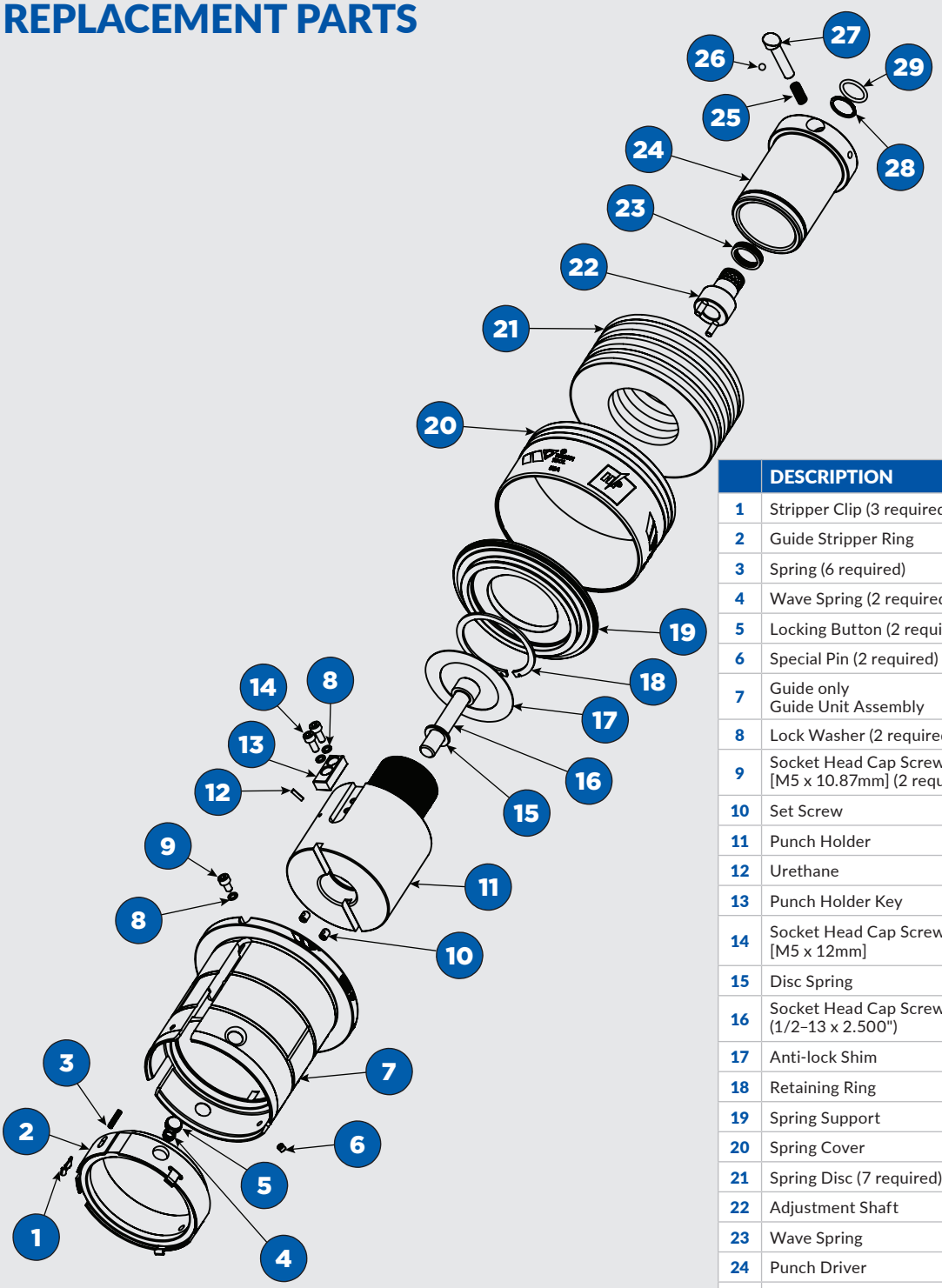
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225°, and 270°.	88.9mm 	6.35mm 	• 1.6mm rooftop shear is given to all punches with A Dimension > 50.8mm and width > 6.35mm. • Ultima® premium tool steel available for punches and dies.

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



HP Ⓓ STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Stripper Clip (3 required)	5521
2	Guide Stripper Ring	5528
3	Spring (6 required)	971694
4	Wave Spring (2 required)	8140
5	Locking Button (2 required)	5519
6	Special Pin (2 required)	5522
7	Guide only Guide Unit Assembly	5527/5527i 5524
8	Lock Washer (2 required)	2112
9	Socket Head Cap Screw [M5 x 10.87mm] (2 required)	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	5740/5740i
25	Spring	972615
26	Adjustment Locking Ball	972420
27	Index Button	5737
28	Retaining Ring	972441
29	O-Ring	972430

NOTE: iSeries Part numbers the same unless listed

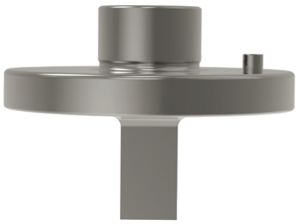
Cat. No. 5524 Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 8, & 9

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

STANDARD Ⓓ STATION — WILSON STYLE



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

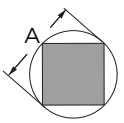
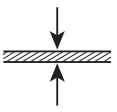
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	5587	
PUNCH	**CAT. NO.**	**PRICE**
Round	5028	
Shape	5027	
Optima® Coating	—	
Ultima® Add on	—	
STRIPPER	**CAT. NO.**	**PRICE**
Round	1864	
Shape	1869	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13598	
Round Standard	1865	
Shape Slug Hugger® 2*	12965	
Shape Standard	13810	
Ultima® Add on	—	

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

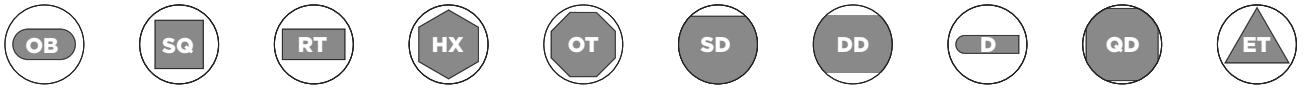
DIE SHIM		CAT. NO.	PRICE
0.25mm	single	2081	
0.76mm	single	2727	
1.50mm	single	2084	
0.25mm	pack of 5	2211	
0.76mm	pack of 5	2728	
1.50mm	pack of 5	2175	

Additional charges may apply to non-standard features.
See pages 115 — 116.

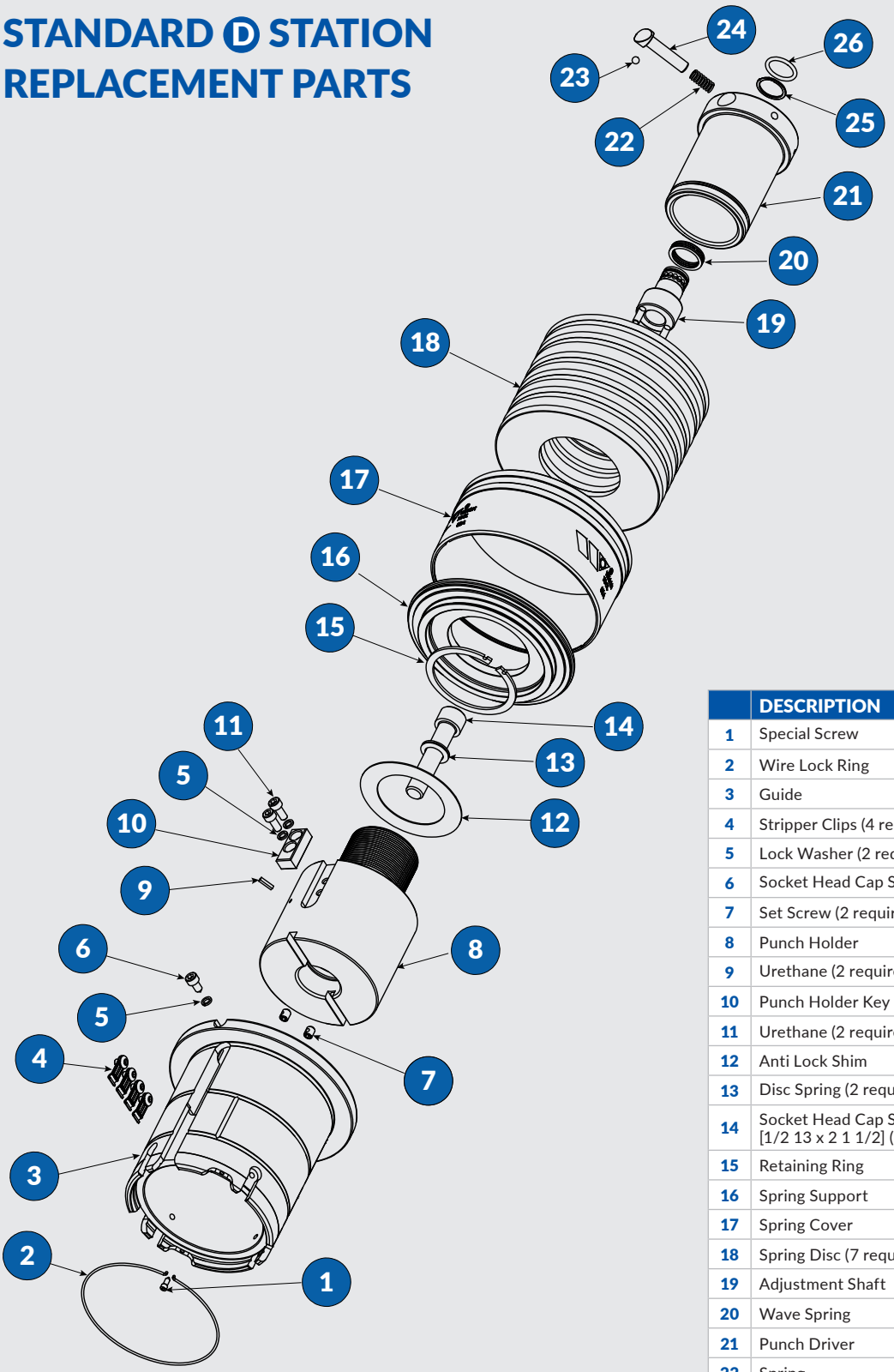
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Standard assembly strippers are held in by a stripper ring or clips. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	88.9mm 	6.35mm 	• 1.6mm rooftop shear is given to all punches with A Dimension >50.8mm and width > 6.35mm. • Dies available in Ultima® premium tool steel upon request. • Compatible with M12 & 1/2–13 punches.

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



STANDARD Ⓓ STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Special Screw	429
2	Wire Lock Ring	5036
3	Guide	5430
4	Stripper Clips (4 required)	2810
5	Lock Washer (2 required)	2112
6	Socket Head Cap Screw	5197
7	Set Screw (2 required)	6298
8	Punch Holder	5525
9	Urethane (2 required)	6116
10	Punch Holder Key	1862
11	Urethane (2 required)	6110
12	Anti Lock Shim	5413
13	Disc Spring (2 required)	971690
14	Socket Head Cap Screw [1/2 13 x 2 1 1/2] (2 required)	6566
15	Retaining Ring	5747
16	Spring Support	5738
17	Spring Cover	5423
18	Spring Disc (7 required)	5449
19	Adjustment Shaft	5739
20	Wave Spring	971692
21	Punch Driver	5740
22	Spring	972615
23	Adjustment Locking Ball	972420
24	Driver Lock Button	5737
25	Retaining Ring	972441
26	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 Ⓓ STATION — METRIC STYLE



GUIDE ASSEMBLY

PUNCH (M14 ABS shown)

STRIPPER

DIE

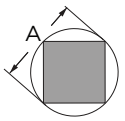
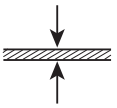
SHIM

	STANDARD		iSERIES	
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
ABS Assembly M-14	13085		13085i	
WLS Assembly M-12	5584		—	—
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	—	—	14273i	
Shape	—	—	14267i	
PUNCH (M14 ABS Shown)	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round M12 Thread	1937		—	—
Round ABS M14 Thread	13616		13616i	
Shape M12 Thread	1938		—	—
Shape ABS M14 Thread	13617		13617i	
Optima® Coating	—		—	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	1864		—	—
Shape	1869		—	—
Round ABS	5152		5152i	
Shape ABS	5153		5153i	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13598		2198i	
Round Standard	1865		1865i	
Shape Slug Hugger® 2*	12965		12965i	
Shape Standard	13810		13810i	
Ultima® Add on	—		—	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

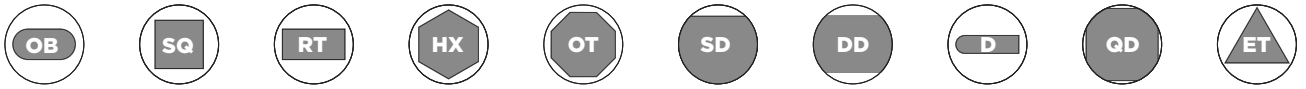
DIE SHIM		CAT. NO.	PRICE
0.25mm	single	2081	
0.76mm	single	2727	
1.50mm	single	2084	
0.25mm	pack of 5	2211	
0.76mm	pack of 5	2728	
1.50mm	pack of 5	2175	

Additional charges may apply to non-standard features. See pages 115 — 116.

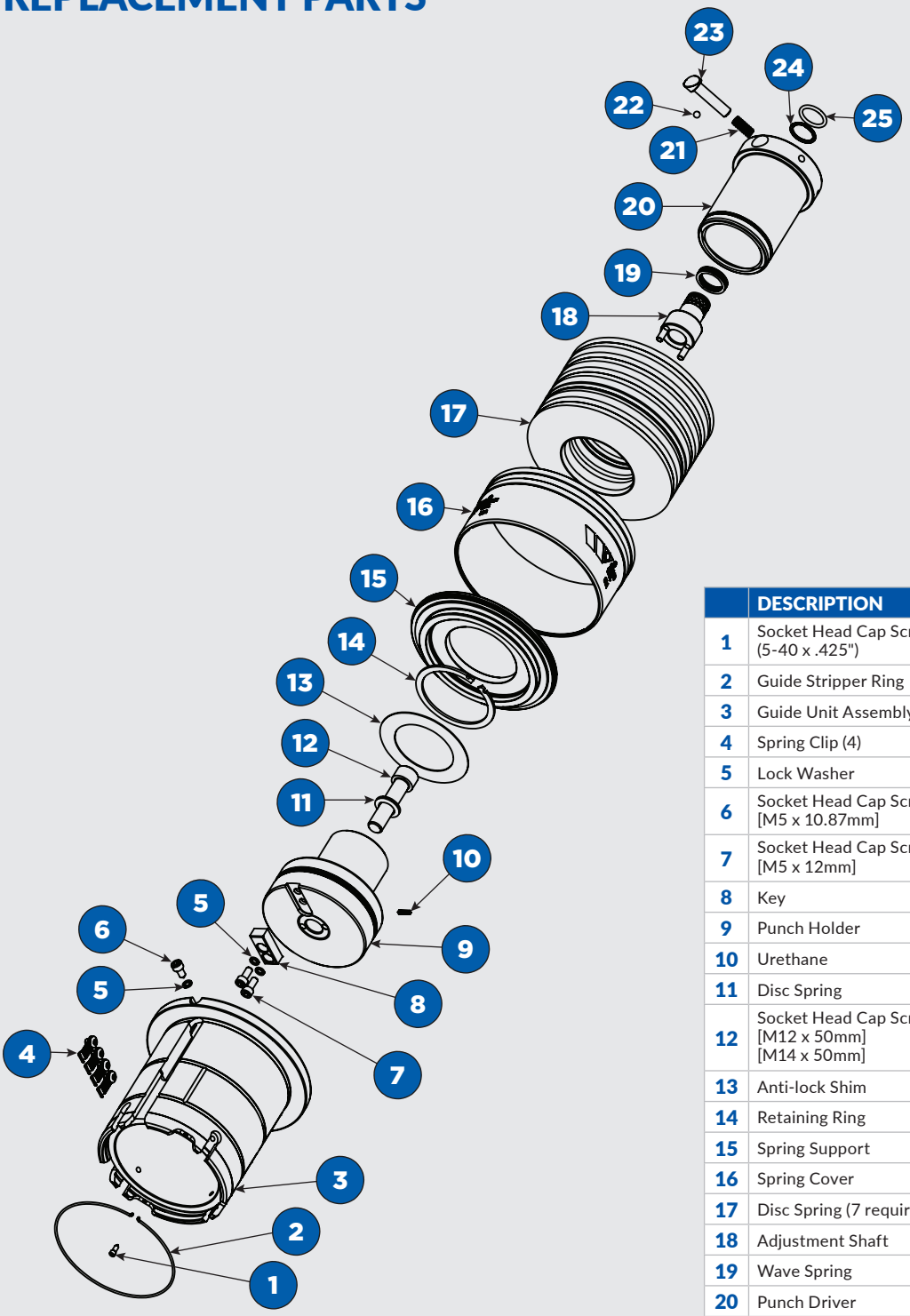
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Standard assembly strippers are held in by a stripper ring or clips. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	88.9mm 	6.35mm 	• 1.6mm rooftop shear is given to all punches with A Dimension > 50.8mm and width > 6.35mm. • 5584 include 1/2–13 bolt. • 13085 includes M-12 bolt. • Dies available in Ultima® premium tool steel upon request. • Compatible with M12 & 1/2–13 punches.

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



STANDARD Ⓓ STATION REPLACEMENT PARTS



	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]	970467 13844
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	972615
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

HP (E) STATION — WILSON STYLE

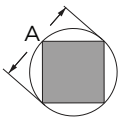
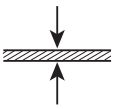


	STANDARD		iSERIES	
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Assembly	5554		—	—
ABS Assembly	5533		5533i	
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	—	—	5773i	
Shape	—	—	5772i	
PUNCH	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	5030		5030i	
Shape	5029		5029i	
Optima® Coating	—		—	
Ultima® Add on	—		—	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round	1877		—	—
Shape	1882		—	—
Round ABS	5154		5154i	
Shape ABS	5155		5155i	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13599		2200i	
Round Standard	1878		1878i	
Shape Slug Hugger® 2*	12967		2201i	
Shape Standard	13817		13817i	
Ultima® Add on	—		—	

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

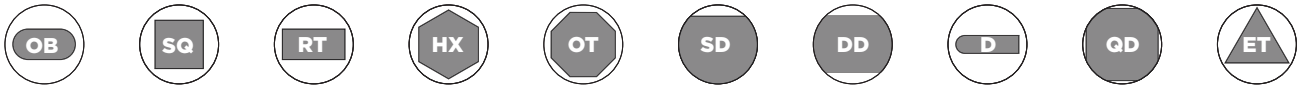
DIE SHIM		CAT. NO.	PRICE
0.25mm	single	2073	
0.76mm	single	2729	
1.50mm	single	2076	
0.25mm	pack of 5	2212	
0.76mm	pack of 5	2730	
1.50mm	pack of 5	2176	

Additional charges may apply to non-standard features. See pages 115 — 116.

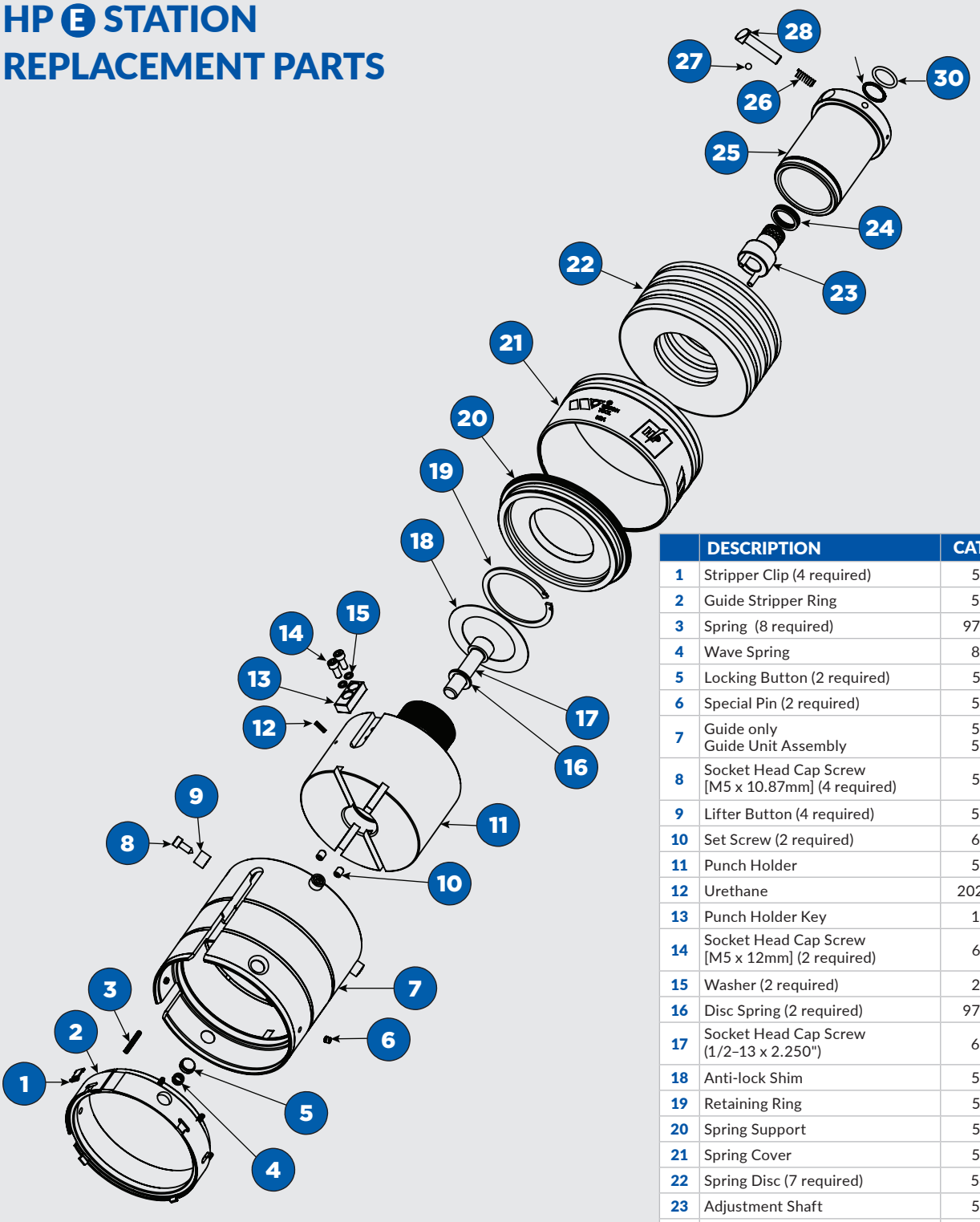
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Guide assemblies achieve angles of 0°, 45°, 90°, 180°, 225°, and 270°.	114.3mm 	6.35mm 	• 1.6mm rooftop shear is standard on all punches with A Dimension > 50.8mm and width > 6.35mm. • Ultima® premium tool steel available for punches and dies.

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



HP (E) STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Stripper Clip (4 required)	5521
2	Guide Stripper Ring	5538
3	Spring (8 required)	971694
4	Wave Spring	8140
5	Locking Button (2 required)	5519
6	Special Pin (2 required)	5522
7	Guide only Guide Unit Assembly	5537 5534
8	Socket Head Cap Screw [M5 x 10.87mm] (4 required)	5210
9	Lifter Button (4 required)	5209
10	Set Screw (2 required)	6298
11	Punch Holder	5535
12	Urethane	2020643
13	Punch Holder Key	1862
14	Socket Head Cap Screw [M5 x 12mm] (2 required)	6110
15	Washer (2 required)	2112
16	Disc Spring (2 required)	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	972615
27	Adjustment Locking Ball	972420
28	Index Button	5737
29	Retaining Ring	972441
30	O-Ring	972430

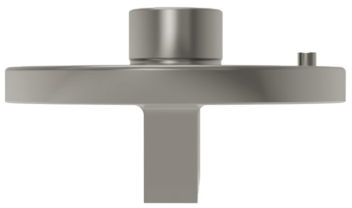
Cat. No. 5534 Guide Unit Assembly includes:
1, 2, 3, 4, 5, 6, 8, & 9

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

STANDARD E STATION — WILSON STYLE



GUIDE ASSEMBLY



PUNCH

STRIPPER



DIE

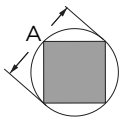
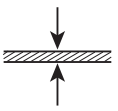
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Standard Assembly	5588	
PUNCH	**CAT. NO.**	**PRICE**
Round	5030	
Shape	5029	
Optima® Coating	—	
Ultima® Add on	—	
STRIPPER	**CAT. NO.**	**PRICE**
Round	1877	
Shape	1882	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	13599	
Round Standard	1878	
Shape Slug Hugger® 2*	12967	
Shape Standard	13817	
Ultima® Add on	—	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

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

Additional charges may apply to non-standard features.
See pages 115 — 116.

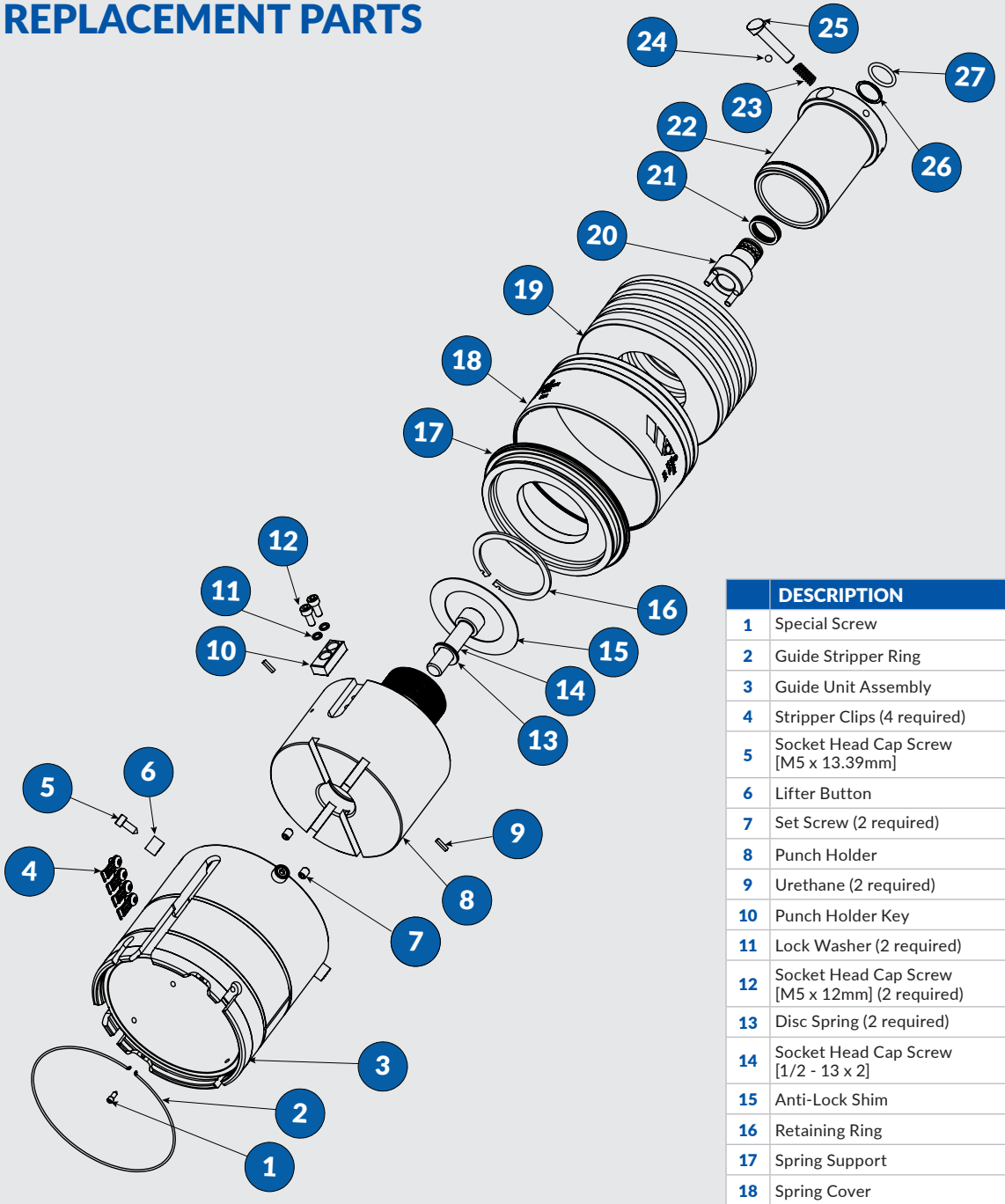
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Standard assembly strippers are held in by a stripper ring or clips. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	114.3mm 	6.35mm 	• 1.6mm rooftop shear is given to all punches with A Dimension > 50.8mm and width > 6.35mm. • 5585 includes M12 bolt. • Dies available in Ultima® premium tool steel upon request. • Compatible with M12 & 1/2–13 punches.

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



STANDARD (E) STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Special Screw	429
2	Guide Stripper Ring	5037
3	Guide Unit Assembly	5438
4	Stripper Clips (4 required)	2810
5	Socket Head Cap Screw [M5 x 13.39mm]	5210
6	Lifter Button	5209
7	Set Screw (2 required)	6298
8	Punch Holder	5535
9	Urethane (2 required)	6116
10	Punch Holder Key	1862
11	Lock Washer (2 required)	2112
12	Socket Head Cap Screw [M5 x 12mm] (2 required)	6110
13	Disc Spring (2 required)	971690
14	Socket Head Cap Screw [1/2 - 13 x 2]	6325
15	Anti-Lock Shim	5413
16	Retaining Ring	5747
17	Spring Support	5741
18	Spring Cover	5423
19	Disc Spring (7 required)	5449
20	Adjustment Shaft	5739
21	Wave Spring	971692
22	Punch Driver	5742
23	Spring	972615
24	Adjustment Locking Ball	972420
25	Adjustment Push Button	5737
26	Retaining Ring	972441
27	O-Ring	972430

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

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

STANDARD E STATION — METRIC STYLE



GUIDE ASSEMBLY

PUNCH (M14 ABS shown)

STRIPPER

DIE

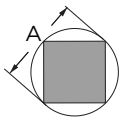
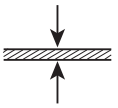
SHIM

		STANDARD		iSERIES	
GUIDE ASSEMBLY		**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
ABS Assembly M-14		13088		13088i	
WLS Assembly M-12		5585		—	—
PUNCH AND GUIDE ASSEMBLY		**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round		—	—	14273i	
Shape		—	—	14267i	
PUNCH (M14 ABS Shown)		**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round M12 Thread		1941		—	—
Round ABS M14 Thread		13618		13618i	
Shape M12 Thread		1942		—	—
Shape ABS M14 Thread		13619		13619i	
Optima® Coating		—		—	
STRIPPER		**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round		1877		—	—
Shape		1882		—	—
Round ABS		5154		5154i	
Shape ABS		5155		5155i	
DIE		**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*		13599		2200i	
Round Standard		1878		1878i	
Shape Slug Hugger® 2*		12967		12967i	
Shape Standard		13817		13817i	
Ultima® Add on		—		—	

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

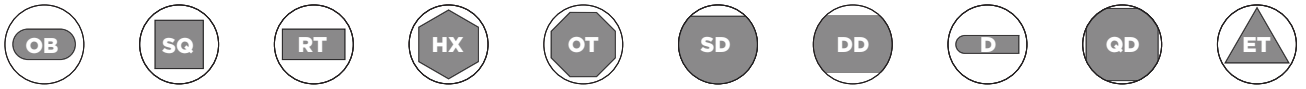
DIE SHIM		CAT. NO.	PRICE
0.25mm	single	2073	
0.76mm	single	2729	
1.50mm	single	2076	
0.25mm	pack of 5	2212	
0.76mm	pack of 5	2730	
1.50mm	pack of 5	2176	

Additional charges may apply to non-standard features. See pages 115 — 116.

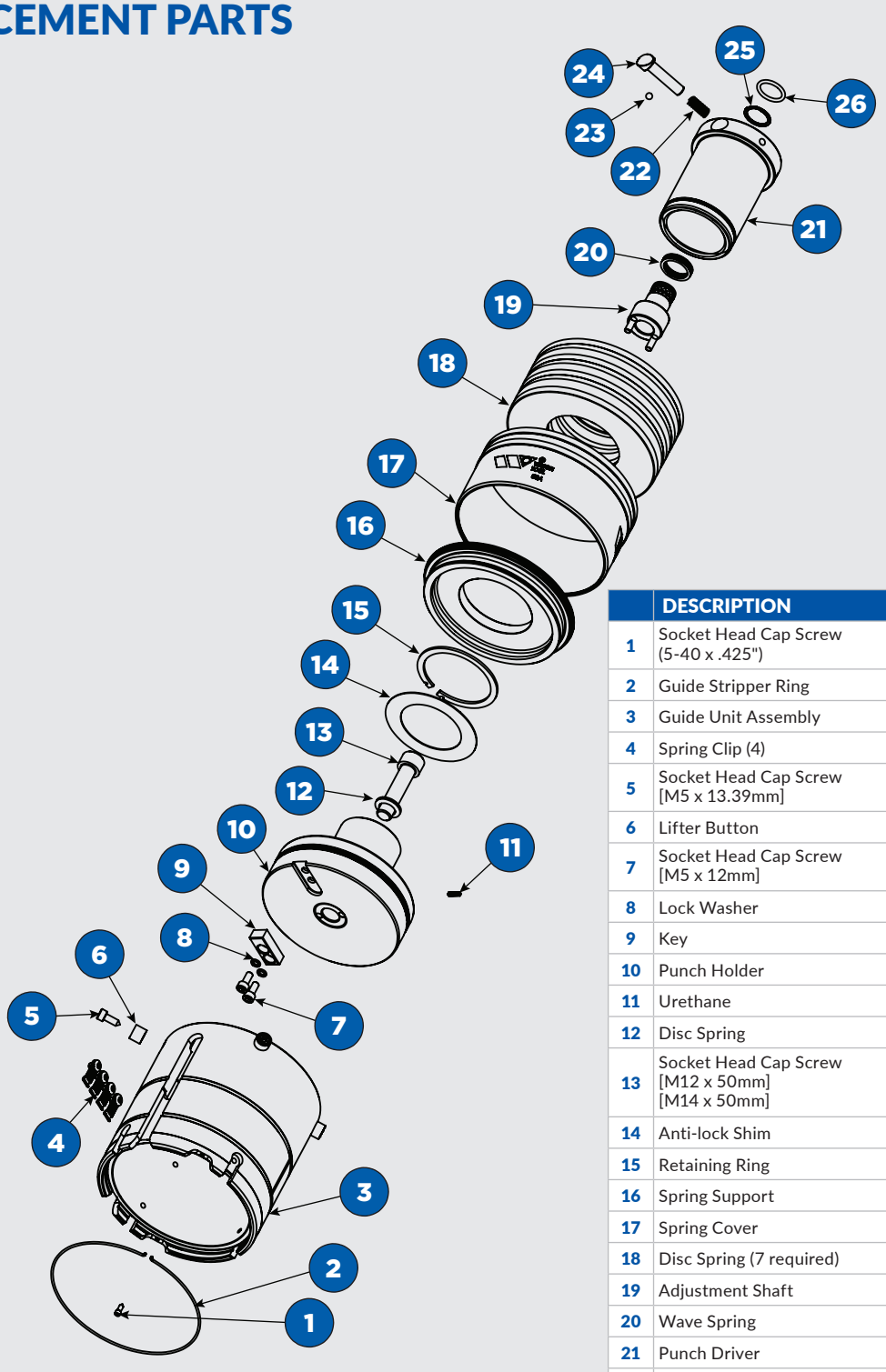
DESCRIPTION	MAX. A DIMENSION	MAX. MATERIAL THICKNESS	NOTES
Standard assembly strippers are held in by a stripper ring or clips. Guide assemblies are keyed for shapes at 0°, 90° and 225°.	114.3mm 	6.35mm 	• 1.6mm rooftop shear is given to all punches with A Dimension > 50.8mm and width > 6.35mm. • 5585 include 1/2–13 bolt. • 13088 includes M-12 bolt. • Dies available in Ultima® premium tool steel upon request. • Compatible with M12 & 1/2–13 punches.

STANDARD SHAPES

Non-standard shapes available. See pages 96 - 102



STANDARD Ⓔ STATION REPLACEMENT PARTS



	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]	970467 13844
14	Anti-lock Shim	5413
15	Retaining Ring	5747
16	Spring Support	5741
17	Spring Cover	5423
18	Disc Spring (7 required)	5449
19	Adjustment Shaft	5739
20	Wave Spring	971692
21	Punch Driver	5742
22	Spring	972615
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

ULTIMA® PREMIUM TOOL STEEL IMPROVES DURABILITY AND PERFORMANCE

Available exclusively from Wilson Tool International, Ultima® Premium Tool Steel is engineered to significantly increase wear resistance over conventional tool steels.

A New Level of Performance

Punches and dies made from Ultima tool steel set a new benchmark for durability and performance, dramatically improving tool life when punching materials that are abrasive or have high tensile strength. Ultima excels in applications where ordinary punches wear quickly and 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 downtime 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. Viability can be determined by conducting a cost-benefit analysis.



Scan QR Code to See Ultima® Premium Tool Steel Flyer

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

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

Wearbeater™



- Titanium nitride (TiN)
- Good for wear on most materials
- Reduces galling on most materials
- Increases lubricity on most materials
- Minimum dia./width for coating =1.53mm

Optima®



- Surface hardness: HRC 95
- Outlasts untreated tools by up to 5–7 times
- Best for wear on abrasive materials in piercing applications
- Reduces galling on hard materials
- Increases lubricity by controlling galling on hard materials
- Minimum dia./width for coating = 1.53mm

Slip-Max®



- Best for reducing galling on soft materials
- Best for forming (stripping) in abrasive materials such as stainless steel and aluminium
- Increases lubricity on all materials
- Not recommended for piercing applications in abrasive materials
- No minimum dia./width for coating

COATING RECOMMENDATION BY APPLICATION	WEAR-BEATER™	OPTIMA®	SLIP-MAX®
Punch wear piercing varied materials	●	★	
Punch or die wear piercing stainless steel	●	★	
Punch wear piercing galvanised	●	★	
Punch or die wear piercing aluminium	●	▲	★
Galling on punch in stainless steel	●	★	
Galling on punch in galvanised	●	★	★
Galling on punch in aluminium	●	▲	★
Stripping problems when forming in stainless steel	●	▲	★
Stripping problems when forming in aluminium	●	▲	
Stripping problems when piercing in stainless steel	●	★	★
Stripping problems when piercing in aluminium	●	▲	

GOOD ● BETTER ▲ BEST ★

MATE ULTRA® REPLACEMENT TOOLING

Wilson Tool International supplies punches and strippers that are 100% compatible with Ultra® guide assemblies and holders from Mate Precision Tooling®. These punches include the industry's most durable WB tool steel and are available with Wilson Tool's Optima® coating for extended tool life. Large station metric punches are M-12 threads.

In addition, these products are backed by the industry's leading service organisation, meaning that your order will be delivered on time, every time.

Now you can order all your tooling from the supplier offering the most comprehensive product lines for punch press and press brake tooling solutions.



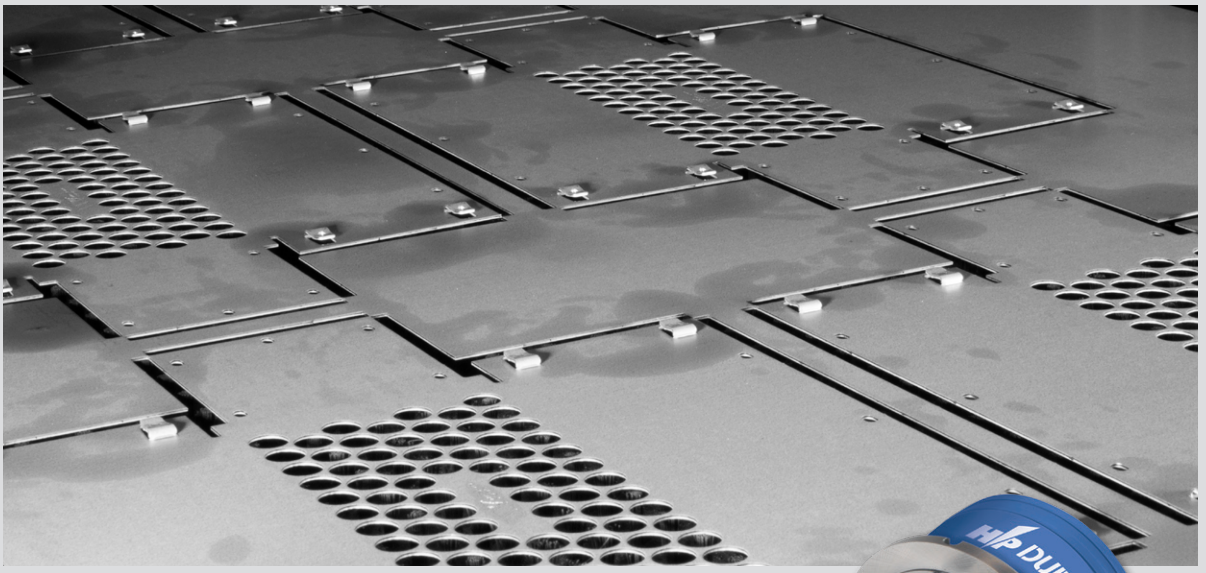
	A STATION		B STATION	
	CAT. NO.	PRICE	CAT. NO.	PRICE
EXP® ULTRA PUNCH HOLDERS				
Punch Holder	15575		15577	
EXP® PUNCHES				
Round	13904		13916	
Shape	13905		13917	
Optima® Coating	—		—	

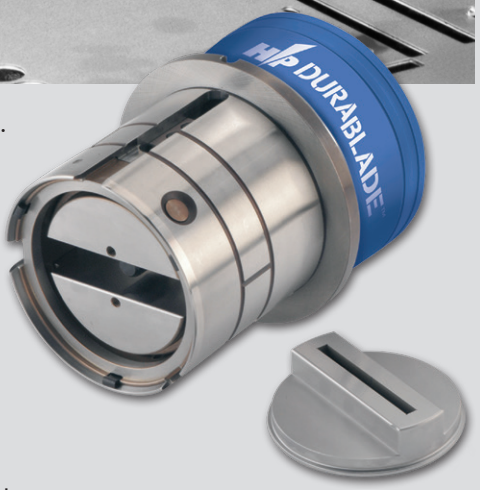
	A STATION		B STATION		C STATION		D STATION		E STATION	
	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
	MATE ULTRA PUNCH				**METRIC FULL BODY M-12**					
Round	13715		13717		1933		1937		1942	
Shape	13716		13718		1934		1938		1942	
MATE ULTRA STRIPPER										
Round	15500		15504		15508		15512		15516	
Shape	15501		15505		15509		15513		15517	
Round ABS	15502		15506		15510		15514		15518	
Shape ABS	15503		15507		15511		15515		15519	
DIES										
Round Slug Hugger® 2*	13595		13596		13597		13598		13599	
Round Standard	1808		2021		1850		1865		1878	
Round Slug Hugger® 2*	12959		12961		12964		12965		12967	
Shape Standard	13801		13804		13807		13810		13817	



Mate Ultra is a trademark of Mate Precision Technology.

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 maximise 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 minimise material waste both products are available with a one or two-sided relieved strippers for use in close-to-clamp.





HP DURABLADE® Ⓓ STATION



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

SHIM

	STANDARD		iSERIES	
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Assembly	5663		–	–
Assembly ABS / WLS	5653		5653i	
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
2-Sided Relief	–	–	5766i	
1-Sided Relief	–	–	5774i	
PUNCH	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Blade	5657		5657i	
Optima® Coating	–		–	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
One-Sided Relief	5665		–	–
Two-Sided Relief	5656		–	–
One-Sided Relief ABS	5666		5666i	
Two-Sided Relief ABS	5664		5664i	
DIE - SLUG HUGGER® 2	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Relief 2 sides, shape at 90°	5499		5499i	
Relief 2 sides,shape at 0°–90°	5500		5500i	
Relief 1 side, shape at 90°	12966		12966i	
Relief 1 side, shape at 0°–90°	5501		5501i	
DIE - STANDARD	**CAT. NO.**	**PRICE**		
Relief 2 sides, shape at 90°	13814		13814i	
Relief 2 sides, shape at 0°–90°	13813		13813i	
Relief 1 side, shape at 90°	13812		13812i	
Relief 1 side, shape at 0°–90°	13811		13811i	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

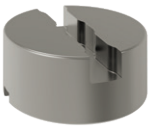
DIE SHIM	CAT. NO.	PRICE
0.25mm - single	2081	
0.76mm - single	2727	
1.50mm - single	2084	
0.25mm - pack of 5	2211	
0.76mm - pack of 5	2728	
1.50mm - pack of 5	2175	

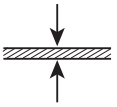
Additional charges may apply to non-standard features. See pages 115 — 116.

HP DuraBlade® Punch Grinding Fixture

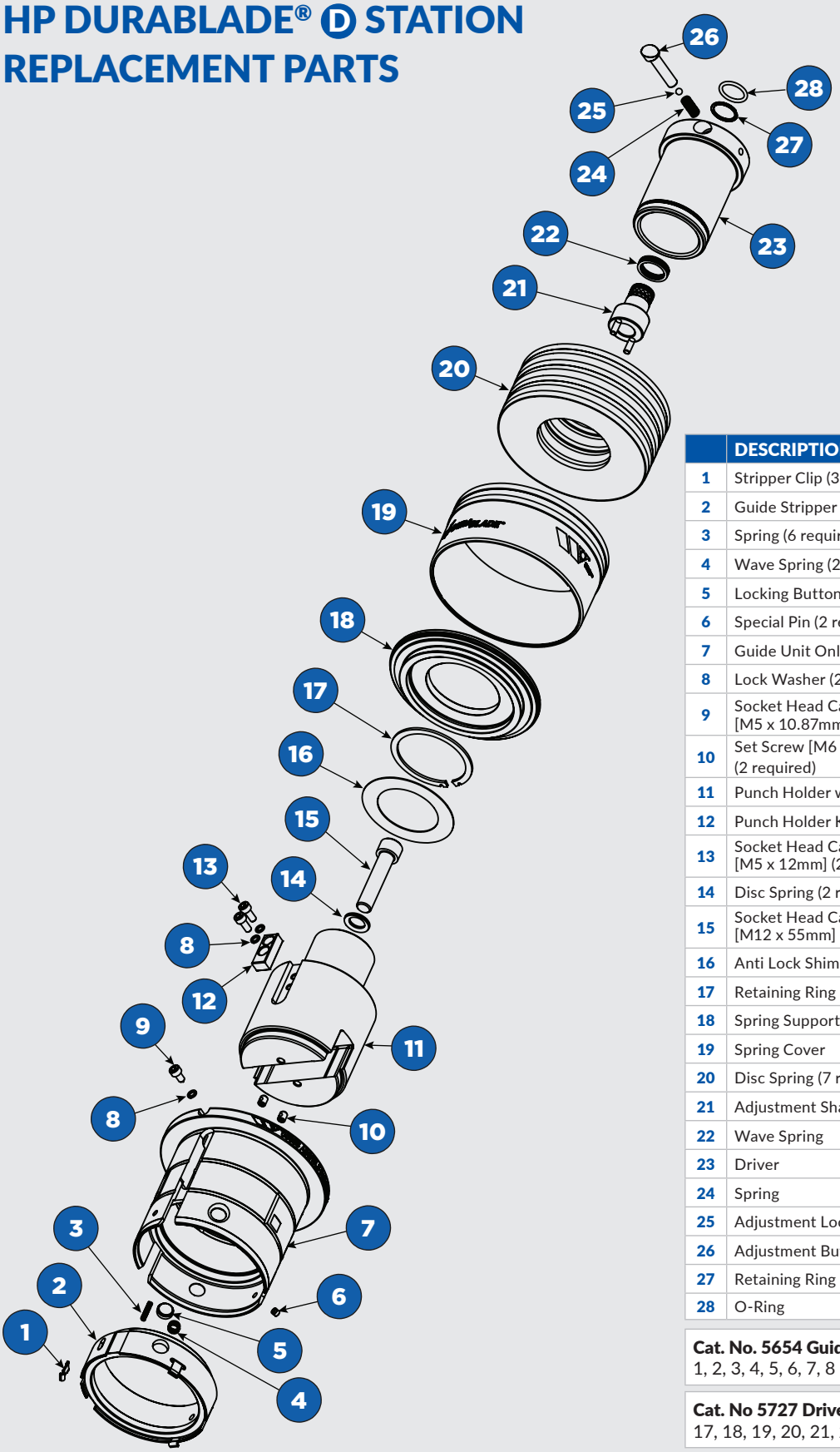
Fixture for sharpening D and E station HP DuraBlade® punches with our innovative XSharp™ Grinder.

CAT. NO.	PRICE
6933	



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.	19.05mm	6.35mm 	• 1.6mm rooftop shear is given to all punches with A Dimension > 50.8mm and width >6.35mm. • Ultima® premium tool steel is available on dies.

HP DURABLADE® Ⓓ STATION REPLACEMENT PARTS



	DESCRIPTION	CAT. NO.
1	Stripper Clip (3 required)	5521
2	Guide Stripper Ring	5528
3	Spring (6 required)	971694
4	Wave Spring (2 required)	8140
5	Locking Button (2 required)	5519
6	Special Pin (2 required)	5522
7	Guide Unit Only	5659
8	Lock Washer (2 required)	2112
9	Socket Head Cap Screw [M5 x 10.87mm] (2 required)	5197
10	Set Screw [M6 x 8mm] (2 required)	6298
11	Punch Holder with Bushing	5655
12	Punch Holder Key	1862
13	Socket Head Cap Screw [M5 x 12mm] (2 required)	6110
14	Disc Spring (2 required)	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	972615
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 Driver Assembly includes:
17, 18, 19, 20, 21, 22, 23, 24, 25, 26 & 27

HP DURABLADE® (E) STATION



GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

SHIM

	STANDARD		iSERIES	
GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Assembly	5639		–	–
Assembly ABS	5626		5626i	
PUNCH AND GUIDE ASSEMBLY	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
2-Sided Relief	–	–	5767i	
1-Sided Relief	–	–	5776i	
PUNCH	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Blade	5630		5630i	
Optima® Coating	–		–	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
One-Sided Relief	5641		–	–
Two-Sided Relief	5629		–	–
One-Sided Relief ABS	5642		5642i	
Two-Sided Relief ABS	5640		5640i	
DIE - SLUG HUGGER® 2	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Relief 2 sides, shape at 90°	5502		5502i	
Relief 2 sides,shape at 0°–90°	5503		5503i	
Relief 1 side, shape at 90°	12968		12968i	
Relief 1 side, shape at 0°–90°	5504		5504i	
DIE - STANDARD	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Relief 2 sides, shape at 90°	13821		13821i	
Relief 2 sides, shape at 0°–90°	13820		13820i	
Relief 1 side, shape at 90°	13819		13819i	
Relief 1 side, shape at 0°–90°	13818		13818i	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

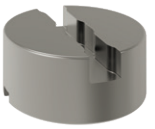
DIE SHIM	CAT. NO.	PRICE
0.25mm - single	2073	
0.76mm - single	2729	
1.50mm - single	2076	
0.25mm - pack of 5	2212	
0.76mm - pack of 5	2730	
1.50mm - pack of 5	2176	

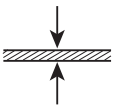
Additional charges may apply to non-standard features. See pages 115 — 116.

HP DuraBlade® Punch Grinding Fixture

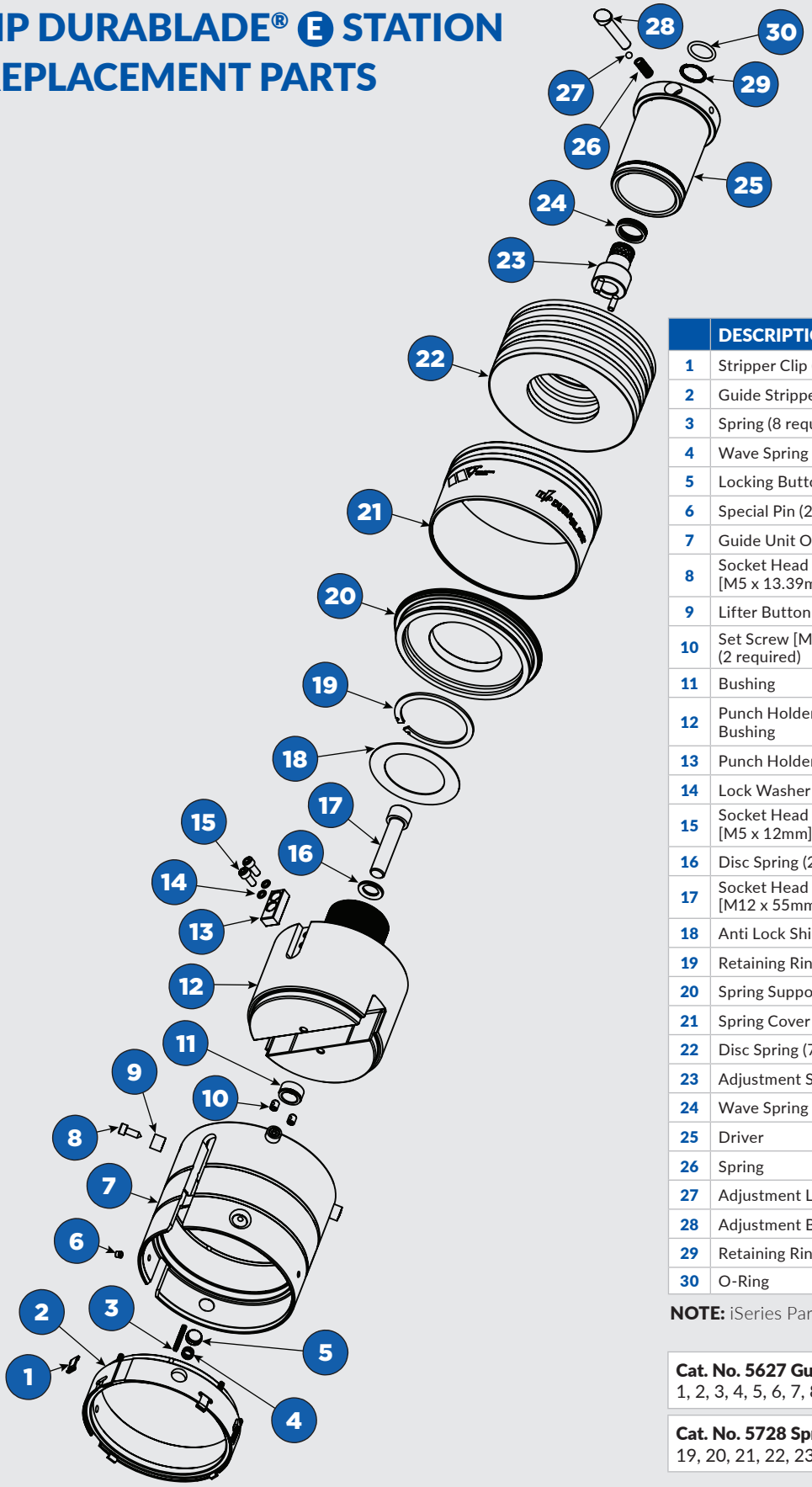
Fixture for sharpening D and E station HP DuraBlade® punches with our innovative XSharp™ Grinder.

CAT. NO.	PRICE
6933	



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.	19.05mm	6.35mm 	• 1.6mm rooftop shear is given to all punches with A Dimension > 50.8mm and width > 6.35mm. • Ultima® premium tool steel is available on dies.

HP DURABLADE® E STATION REPLACEMENT PARTS



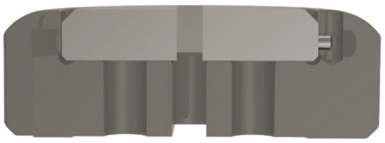
	DESCRIPTION	CAT. NO.
1	Stripper Clip (4 required)	5521
2	Guide Stripper Ring	5538
3	Spring (8 required)	971694
4	Wave Spring	8140
5	Locking Button (2 required)	5519
6	Special Pin (2 required)	5522
7	Guide Unit Only	5632
8	Socket Head Cap Screw [M5 x 13.39mm] (2 required)	5210
9	Lifter Button (2 required)	5209
10	Set Screw [M6 x 8mm] (2 required)	6298
11	Bushing	5631
12	Punch Holder with Bushing	5628
13	Punch Holder Key	1862
14	Lock Washer (2 required)	2112
15	Socket Head Cap Screw [M5 x 12mm] (2 required)	6110
16	Disc Spring (2 required)	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	5742/5742i
26	Spring	972615
27	Adjustment Locking Ball	972420
28	Adjustment Button	5737
29	Retaining Ring	972441
30	O-Ring	972430

NOTE: iSeries Part numbers the same unless listed

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

DURA-DIE



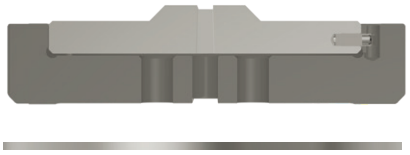
DIE ASSEMBLY

SHIM



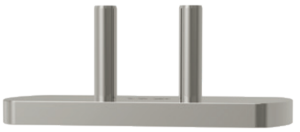
KNOCK OUT TOOL

	C STATION		D STATION		E STATION	
PARTING DURA-DIE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
Insert — Positive	12991		13008		13013	
Insert — Slug Hugger® 2	12992		13009		13014	
Die Base Assembly at 0° and 90°	12989		13006		13015	
Shim Pack	12995		13012		13017	
Knock Out Tool	24310		24310		24313	
Maximum length	51mm		86mm		111.8mm	
Maximum width	7mm		6.35mm		9.52mm	
Maximum clearance for maximum length	.51mm		1.02mm		.76mm	



DIE ASSEMBLY

SHIM



KNOCK OUT TOOL

	D STATION		E STATION	
CLOSE-TO-CLAMP PARTING DURA-DIE	CAT. NO.	PRICE	CAT. NO.	PRICE
Insert — Positive (relief 2 sides)	13281		13289	
Insert — Slug Hugger® 2 (relief 2 sides)	13282		13290	
Die Base Assembly at 0° and 90°	13276		13284	
Shim Pack	13012		13017	
Knock Out Tool	24310		24313	
Maximum length	81mm		111.8mm	
Maximum width	7mm		9.52mm	
Maximum clearance for maximum length	.51mm		.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.

CLOSE-TO-CLAMP REPLACEMENT PARTS

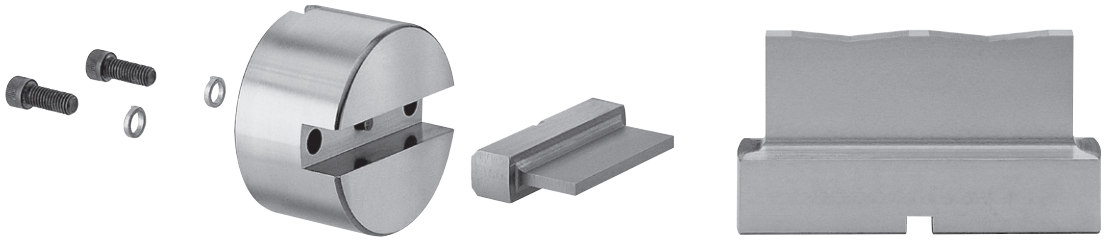


	D STATION		E STATION	
PUNCH	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Thin Clamps HP	5027		5029	
Thick Clamp S-80/90	5114		5109	
Optima® Coating	–		–	
STRIPPER	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Thin Clamps S-80	5100		5094	
Thick Clamp S-80	5115		5110	
Thick Clamp S-90	5399		5400	
Thick Clamp S-90 ABS	5360		5385	
DIE	**CAT. NO.**	**PRICE**	**CAT. NO.**	**PRICE**
Slug Hugger® 2* (relief 2 sides, shape at 90°)	5499		5502	
Slug Hugger® 2* (relief 2 sides, shape at 0° – 90°)	5500		5503	
Slug Hugger® 2* (relief 1 side, shape at 90°)	12966		12968	
Standard (relief 2 sides, shape at 90°)	13814		13821	
Standard (relief 2 sides, shape at 0° – 90°)	13813		13820	
Standard (relief 1 side, shape at 90°)	13812		13819	
Standard (relief 1 side, shape at 0° – 90°)	13811		13818	

*Slug Hugger® 2 dies must be ordered punch size plus clearance. Size restrictions apply.

NOTES
1.6mm rooftop shear is given to all punches with A Dimension > 50.8mm and width > 6.35mm.

STANDARD PARTING TOOLS



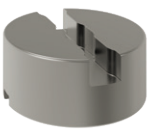
REPLACEABLE INSERT ASSEMBLY							
DESCRIPTION	MAX BLADE WIDTH mm	C STATION		D STATION		E STATION	
		CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
Body (1/2 – 13)	19	2623		1966		1969	
Body (M 12)	19	2625		2286		2287	
Body (M 14)	19	14730		14731		14732	
Punch Blade	19	2590		1967		1970	
Set (1/2 – 13)	19	2568		1965		1968	
Set (M 12)	19	2624		2372		2373	
Set (M 14)	19	14733		14734		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 Station and 4-1/2" E Stations	6019	
High Collar Lock Washer for 3/8" Screw	2129	
Dowel Pin: 1/4" Diameter x .450" Long (All Stations)	6004	

HP DuraBlade® Punch Grinding Fixture

Fixture for sharpening D and E station HP DuraBlade® punches with our innovative XSharp™ Grinder.

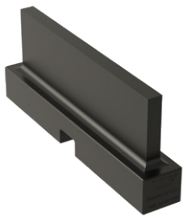
CAT. NO.	PRICE
6933	



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 <9.53mm in width are shipped with no shear unless specified. • Double Valley Shear is recommended for widths of 4.75mm – 9.53mm and minimum lengths of 50.8mm when used for nibbling.

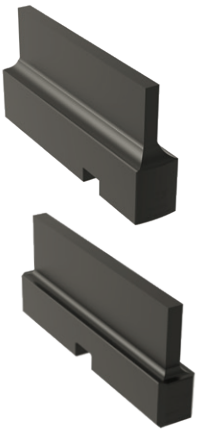
MATE STYLE BLADES

MAX BLADE WIDTH mm	C STATION		D STATION		E STATION	
	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
MATE STYLE BLADE						
18	15547		14046		14047	
Optima® Coating	–		–		–	



AMADA® STYLE BLADES

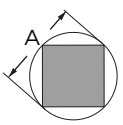
C STATION			D STATION			E STATION		
MAX BLADE WIDTH mm	CAT. NO.	PRICE	MAX BLADE WIDTH mm	CAT. NO.	PRICE	MAX BLADE WIDTH mm	CAT. NO.	PRICE
AMADA STYLE BLADE ALPHA								
–	–	–	20	14044		20	14045	
–	–	–	Optima® Coating	–		Optima® Coating	–	
AMADA STYLE BLADE STANDARD								
28	14180		16	14201		16	14202	
Optima® Coating	–		Optima® Coating	–		Optima® Coating	–	



BONDED URETHANE STRIPPER PLATES

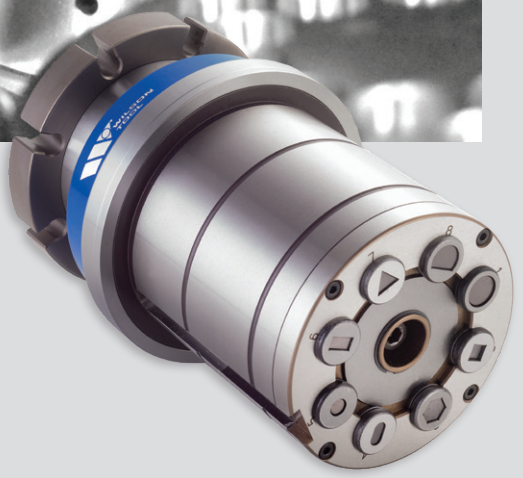


STATION	MAX. PUNCH A DIMENSION	SHAPE	CAT. NO.	PRICE
A	12.7mm	Round	14863	
		Shape	14864	
B	31.75mm	Round	14866	
		Shape	14867	
C	50.8mm	Round	14869	
		Shape	14870	
D	88.9mm	Round	14872	
		Shape	14873	
E	114.3mm	Round	14875	
		Shape	14876	

DESCRIPTION	MAX. A DIMENSION	ADVANTAGES	NOTES
Bonded Urethane stripper plates are hardened tool steel stripper plates that have had a layer of urethane bonded to the top surface.	See chart above. 	• Reduced sheet marking. • Standard punch can be used.	Designed to fit Wilson Tool manufactured guide assemblies.

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 maximise grind life and lower tooling costs.

- Punch at any angle from 0–360°
- 3 station and 8 station options
- Adjust punch length with a simple twist of the punch driver
- Visual guide groove makes setting tool length 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.

Scan QR Code to see more MultiTools

UNDERSTANDING MULTI-TOOLS

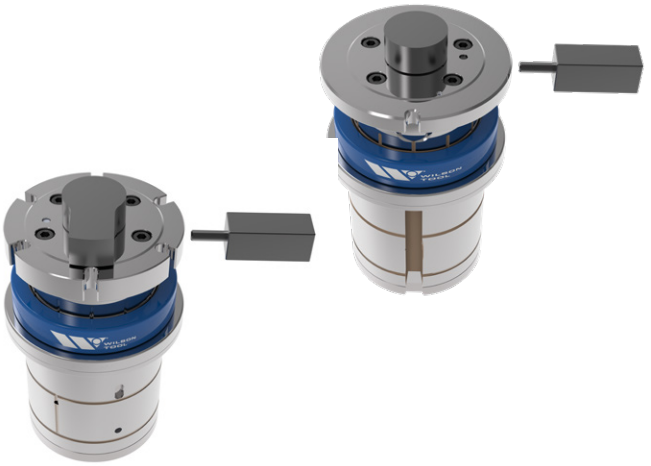
INDEXING Multi-Tools (MT#- 'i')



These are entry level Multi-Tools. They rely on the machine RAM to restrain the top of the Multi-Tool. While the Guide rotates to select the appropriate station within the Multi-Tool. This is called "INDEXING". This function is defined in the tool description by the letter "i".

This Multi-Tool does not have the facility to automatically rotate shapes. This must be done manually within the tool using additional keying positions.

INDEXING & ROTATING Multi-Tools (MT#-"Ri" or MT#-"iR')



These are the most common style of Multi-Tool sold today. These tools use a SHOT PIN to lock the top of the Multi-Tool, while the guide rotates to select the appropriate station. Once the station is selected, the SHOT PIN retracts and the Multi-Tool is ready to go.

These style of Multi-Tools have the added functionality of being able to ROTATE, allowing shapes to be punched at multiple angles. This Function is defined in the tool description with the letter "R".

ACTIVE RAM Multi-Tools (iRAM)

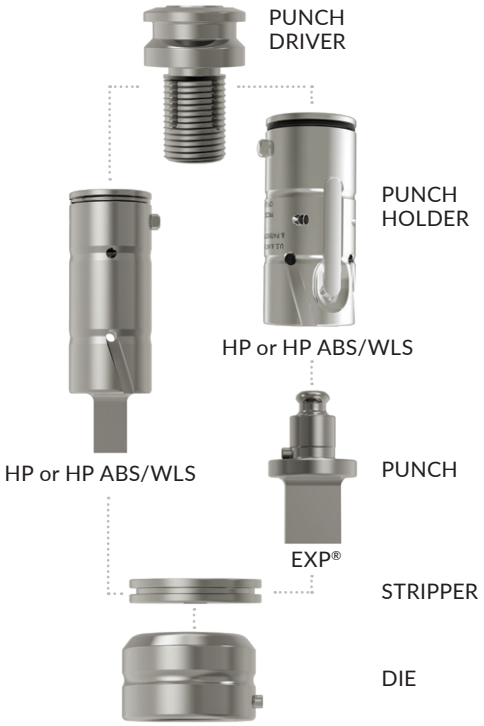


These are the most productive Multi-Tools on modern Punch Press machines today. Both Indexing and Rotating of the Multi-Tool is performed seamlessly with both the tool indexing and the rotation of the top part of the tool happening simultaneously.

MTX3 MULTI-TOOLS



MTX3Ri shown for reference



STYLES	Indexable	Indexable/ Rotatable	Active RAM
MTX3	N/A	YES	YES

UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
MTX3	Contact Sales Desk	

PUNCH DRIVER	CAT. NO.	PRICE
Punch Driver	45481	

PUNCH	CAT. NO.	PRICE
HP Round*	2407	
HP Shape*	2408	
HP Round ABS*	2398	
HP Shape ABS*	2399	
Optima® Coating	–	
EXP® Round**	13916	
EXP® Shape**	13917	
Optima® Coating	–	

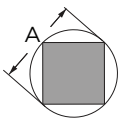
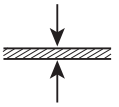
*Requires a punch driver
**Requires an EXP® punch holder and driver

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

STRIPPER	CAT. NO.	PRICE
Round	1890	
Shape	1917	
Round ABS	2433	
Shape ABS	2432	

DIE	CAT. NO.	PRICE
Round Slug Hugger® 2*	2194	
Round Standard	2021	
Shape Slug Hugger® 2*	12961	
Shape Standard	13804	

*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 Motorum • Yawei • JFY • Pivatic • Dimeco • Dalcos	31.75 mm 	16 Tons Max [142 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 

MULTI-TOOL

MTX8 MULTI-TOOLS

STYLES	Indexable	Indexable/ Rotatable	Active RAM
MTX8	YES	YES	YES

UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
MTX8	Contact Sales Desk	

PUNCH DRIVER	CAT. NO.	PRICE
Punch Driver	45493	

PUNCH	CAT. NO.	PRICE
HP Round*	2405	
HP Shape*	2406	
HP Round ABS*	2385	
HP Shape ABS*	2389	
Optima® Coating	–	
EXP® Round**	13904	
EXP® Shape**	13905	
Optima® Coating	–	

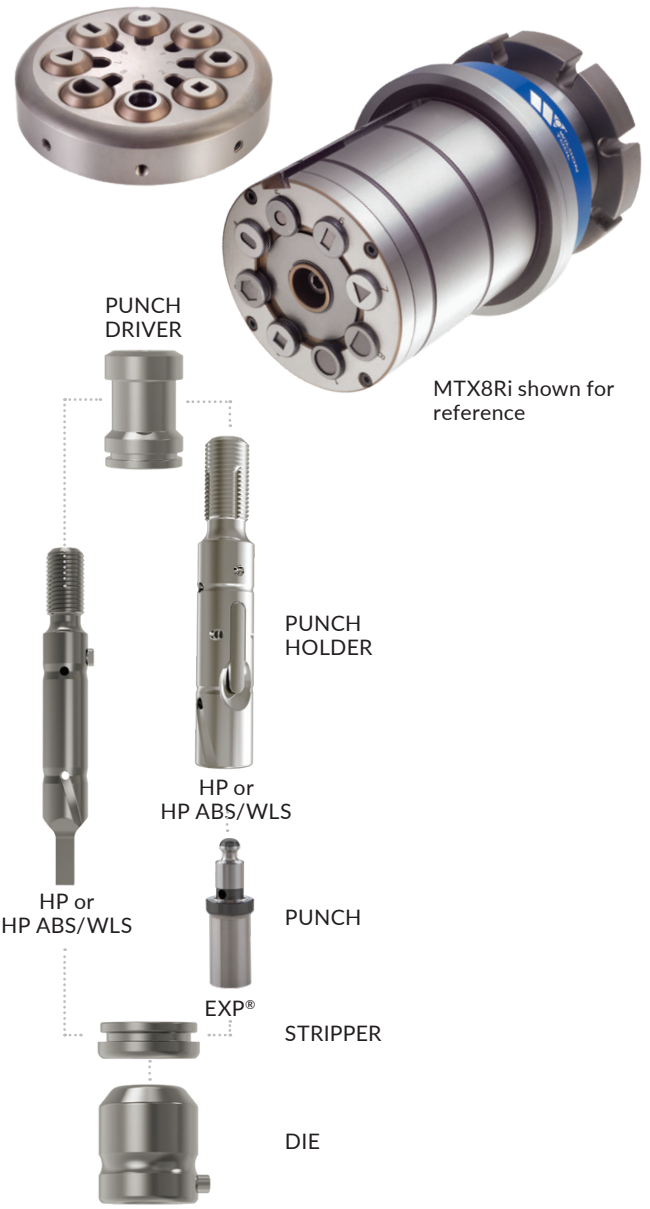
*Requires a punch driver
**Requires an EXP® punch holder and driver

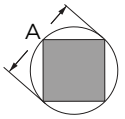
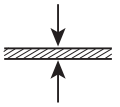
PUNCH HOLDER	CAT. NO.	PRICE
EXP® Shape HP	14895	
EXP® Shape HP ABS/WLS	14891	

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

DIE	CAT. NO.	PRICE
Round Slug Hugger® 2*	2192	
Round Standard	1808	
Shape Slug Hugger® 2*	15074	
Shape Standard	15115	

*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 Motorum • Yawei • JFY • Pivatic • Dimeco • Dalcos	12.7 mm  Shapes: Up to 15 mm Rounds: Up to 14 mm Contact Sales Desk for more details	7 Tons Max [62 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 

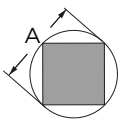
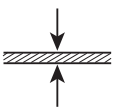
MTX20 MULTI-TOOL





STYLES	Indexable	Indexable/ Rotational	Active RAM
MTX20	NO	YES	YES

UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
MTX20	Contact Sales Desk	
PUNCH DRIVER	**CAT. NO.**	**PRICE**
Punch Driver	45543	
PUNCH	**CAT. NO.**	**PRICE**
Round	45541	
Shape	45542	
STRIPPER	**CAT. NO.**	**PRICE**
Round	6829	
Shape	35079	
DIE	**CAT. NO.**	**PRICE**
Round Standard	6081	
Round Slug Hugger® 2	6185	
Shape Standard	6149	
Shape Slug Hugger® 2	6885	
SPECIALS	**CAT. NO.**	**PRICE**
Special Shapes	45547	

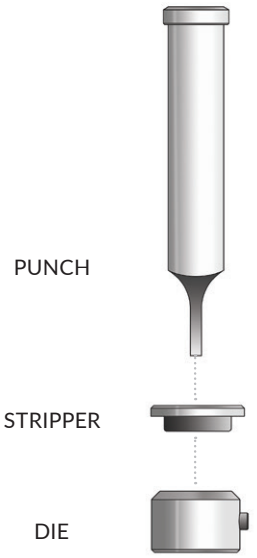
INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX. A DIMENSION	MAX. MATERIAL THICKNESS
• Machine Make • Machine Model • Machine Serial Number	Available for the following machine makes: • Prima Power • LVD Strippit • Durma • Baykal • Murata Motorum • Yawei • JFY • Pivatic • Dimeco • Dalcos	8 mm 	4 Tons Max [36 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 

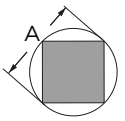
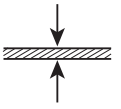
MT8 INDEXABLE MULTI-TOOL





UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
MT8 Tool kit with punch driver included.	Contact Sales Desk	
PUNCH	**CAT. NO.**	**PRICE**
Round	6835	
Shape	6836	
Optima® Coating	–	
STRIPPER	**CAT. NO.**	**PRICE**
Round	474	
Shape	473	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	6177	
Round Standard	6164	
Shape Slug Hugger® 2*	6889	
Shape Standard	6957	
*Slug Hugger® dies must be ordered punch size plus clearance. Size restrictions apply.		
DIE SHIM	**CAT. NO.**	**PRICE**
0.25 mm pack of 15	6815	
0.76 mm pack of 15	6816	



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 • Dalcos • Goiti Danobat • LVD Strippit • Rainer • Nisshimbo • Wiedemann	16 mm 	7 Tons Max [62 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 

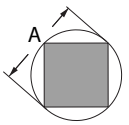
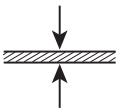
MT20i AND MT7A MULTI-TOOLS

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

* Slug Hugger dies must be ordered punch size plus clearance:
2.49 mm minimum dia. on rounds
1.52 mm minimum width on shapes
0.15 mm minimum



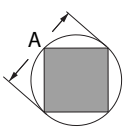
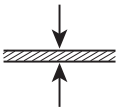
MT20i Assembly

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

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



MT7A Assembly

INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX. A DIMENSION	MAX. MATERIAL THICKNESS
• Machine Make • Machine Model • Machine Serial Number	Available for the following machine makes: Amada	12.7 mm 	This Multi-Tool accepts all styles of 'A' station punch and guide assemblies and dies. 

TOOLING FOR MULTI-TOOLS

MT3iR

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

Maximum A Dimension 31.75 mm 

MT 6-16 & MT 10-16

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

Maximum A Dimension 16 mm 

MT 6-24 & MT 8-24

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

Maximum A Dimension 24 mm 

Prima/Pass - MTPi10-16/MTP8-16

PUNCH	CAT. NO.	PRICE
Round Punch	7125	
Shape	7126	
Optima® Coating	–	
STRIPPER	**CAT. NO.**	**PRICE**
Round	6073	
Shape	6074	
DIE	**CAT. NO.**	**PRICE**
Round Slug Hugger® 2*	Contact the Sales Desk	
Round Standard		
Shape Slug Hugger® 2*		
Shape Standard		

Maximum A Dimension 16 mm 

MT 12-8

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

Maximum A Dimension 8 mm 

MT 20-8 & MT 24-8

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

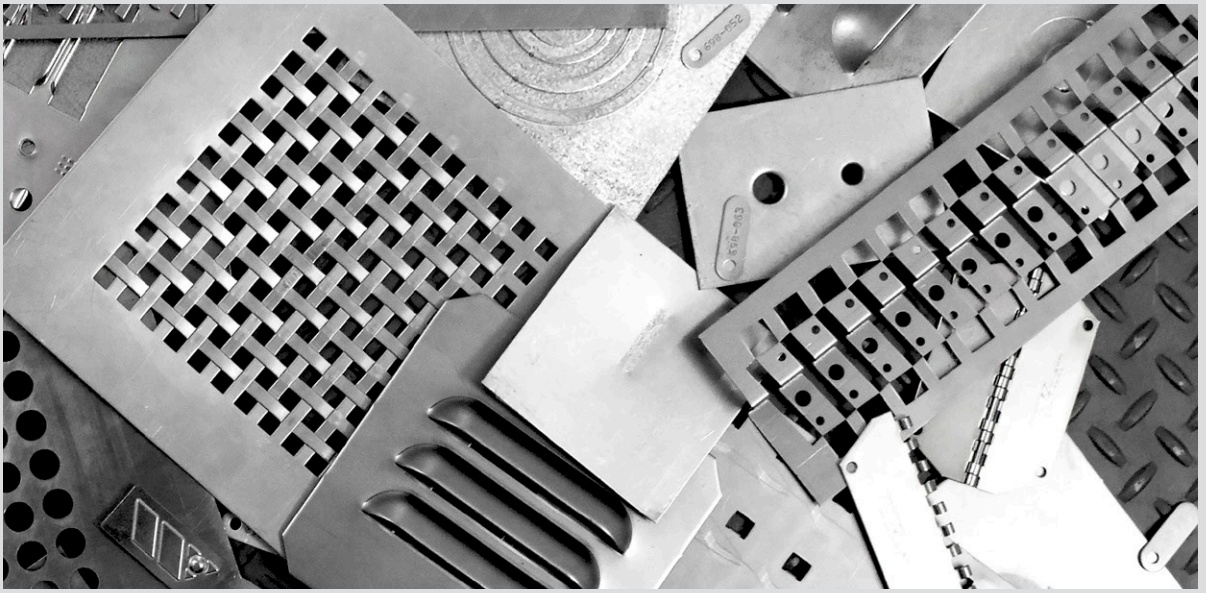
Maximum A Dimension 8 mm 

NOTE: *Slug Hugger® 2 dies must be ordered punch size plus clearance.

SPECIALS

CUSTOM SPECIALS TO REDUCE YOUR COSTS!

Wilson Tool International delivers special tooling with a “never say no” attitude and the industry’s quickest lead times.



Adding forming applications to your fabrication can streamline processes, boost efficiency, reduce secondary operations and cut costs. Whatever your requirements, our expert engineers and toolmakers design and produce punch press tooling tailored to your toughest jobs.

We use high-grade materials for long tool life and include features like positive stopping for precise forms every time. For tough materials, options like coatings improve stripping and reduce sheet marking.

Each special tool is tested in-house, with a sample shipped to you. Manufactured to the highest quality standards, Wilson Tool specials arrive faster—so you’re always ready to get to work.

Punching
Specials
Templates

The Pen

THE PEN FOR PUNCH PRESS MACHINES



Within production processes, it's often necessary to mark sections of the metal sheet for a variety of reasons. Sometimes batch numbers, arrows, fold sequences and even instructions for secondary operations are required on parts.

Current designs on the market today experience problems with inks drying out when the tool is not in use. As a solution, Wilson Tool have developed a marking tool with an automatic air tight mechanism, eliminating the need to replace a lid after each use.

The Pen Features:

- Quick change between ink colours.
- Re-fillable.
- Available in four standard colours: Blue, Black, Red and Green, with a further six colours available upon request.



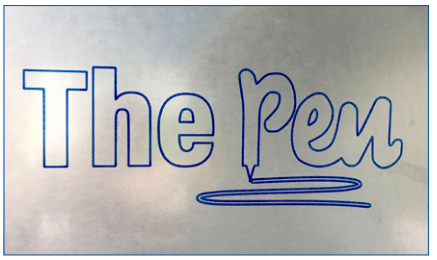
- Mechanical lid, so always ready to go.
- Prolonged ink life thanks to air tight lid mechanism.

The Kit:

The Pen comes as a complete kit in a special protective case with a user guide.



You can mark all materials as quickly and flexibly as if by hand, right on your machine.



QUICKTAP® TAPPING TOOLS

Scan QR Code to See QuickTap® Tapping Tools in Action









APPLICATION	TAP RANGE
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.	B Station: M2.5 – M5 metric. C Station: M2.5 – M5 metric. D Station: M6 – M10 metric.
ADVANTAGES	**INFORMATION NEEDED**
• 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 synchronised 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.	• Machine Make. • Machine Model. • Machine Serial Number.

QUICKTAP® TAPPING TOOLS

DESCRIPTION	SIZE	CAT. NO.	PRICE
QuickTap® Tapping Kit*	B Station	14950	
	C Station	14478	
	D Station	14480	
QuickTap® Endure Tapping Oil	5 Gallons	14525	
QuickTap® Vapor Tapping Oil	5 Gallons	14526	
QuickTap® Tapping Tool Lubricant	1 Quart	989941	
Prolong Grease Cartridge	14 oz.	987487	
Ejector Repair Kit	—	14504	

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



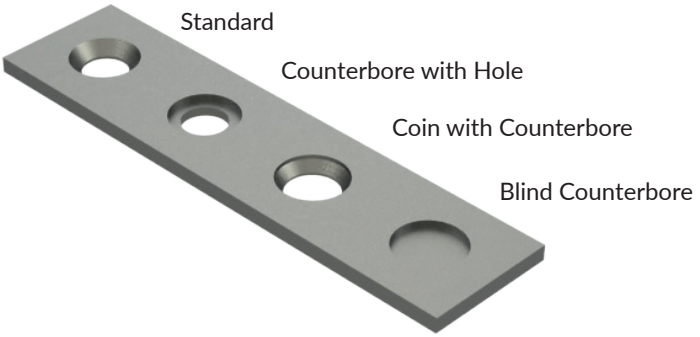
TAP SIZE	TiN COATED		TiCN COATED	
	CAT. NO.	PRICE	CAT. NO.	PRICE
B / C STATION TAPS†				
2-56, H3	987449		987450	
4-40, H3	—	—	987452	
4-40, H5	987451		—	—
4-40, H7	987453		—	—
6-32, H5	987454		987455	
6-32, H7	987456		—	—
8-32, H5	987458		987459	
8-32, H7	987460		987479	
10-24, H6	987461		987447	
10-32, H6	987462		987463	
12-24, H6*	987464*		987465*	
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	
D STATION TAPS†				
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.

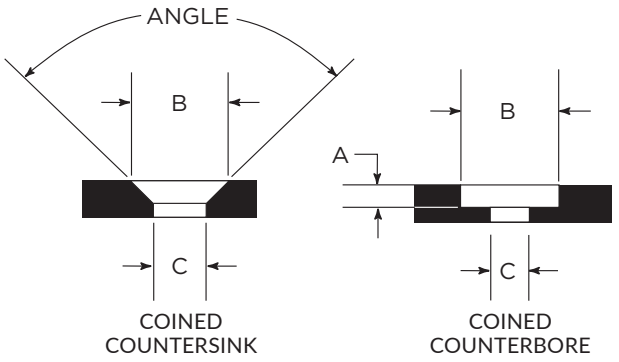
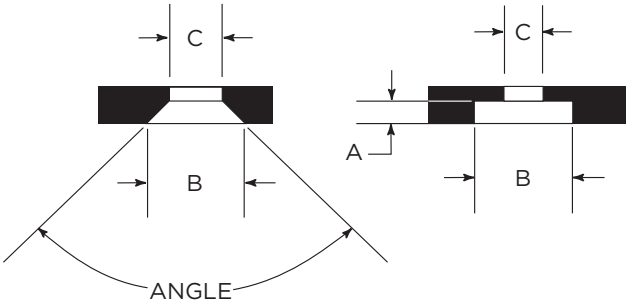
*Not available for B Station tool. Only available for C Station tool.

PITCH INSERT ASSEMBLIES	CAT. NO.	PRICE
B / C STATION ASSEMBLIES		
#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	
D STATION ASSEMBLIES		
#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	

COINING TOOLS — FORM-DOWN / FORM-UP



SPECIALS

FORM-DOWN	FORM-UP
	

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

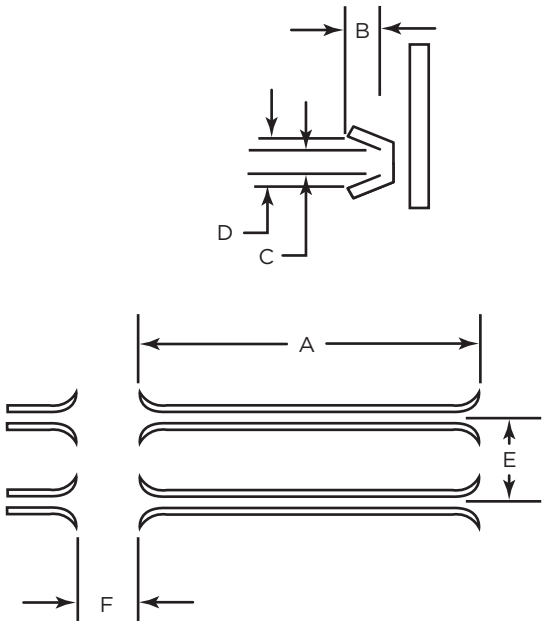
COMMON IN STATION SIZES

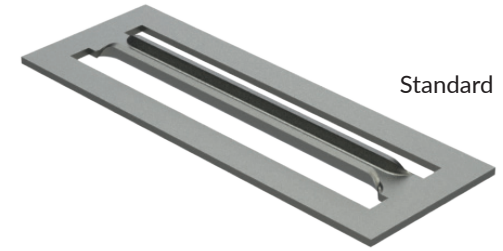
A **B** C D E

Punching Specials Templates

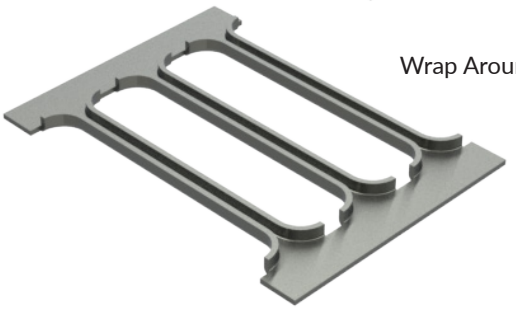
BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Eliminate the costly, time-consuming secondary operation of drilling countersinks. • The interchangeable tip design allows you to change the size of your coin easily and inexpensively while also lowering tooling costs and inventory. • For fast and easy tool length adjustments, an E-Z Set punch head can be offered.	• Wilson Tool provides an estimated pre-punch for coining tools — a pre punched hole is required. • Consult our Tooling Technicians on size and tonnage restrictions. • Special applications may affect pricing.	• Machine Model. • Material thickness and type. • Angle, coin diameter, thru-hole size. • With or without pilot. • Form-up or form-down.

CARD GUIDE — FORM-UP

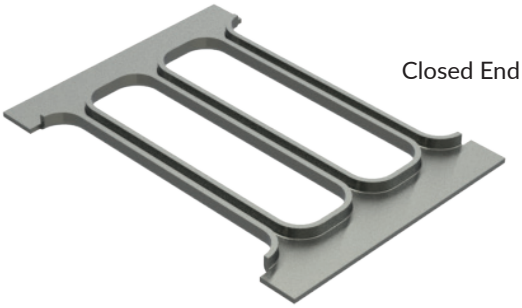




Standard



Wrap Around



Closed End

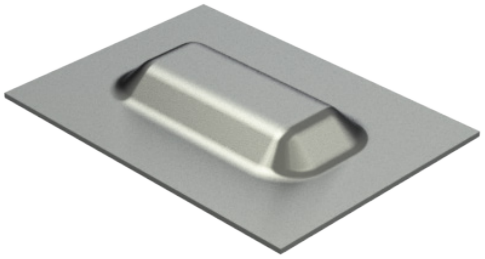
COMMON IN STATION SIZES

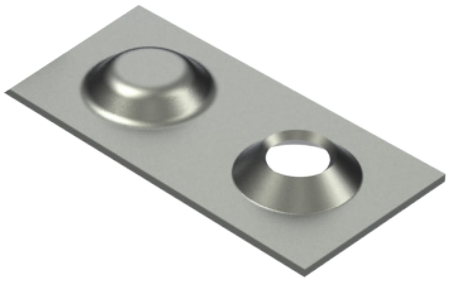
A B C **D** **E**

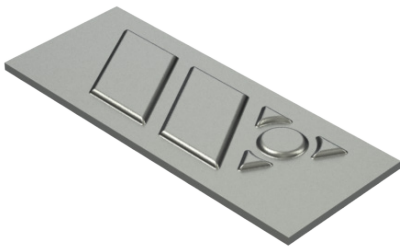
Punching Specials Templates

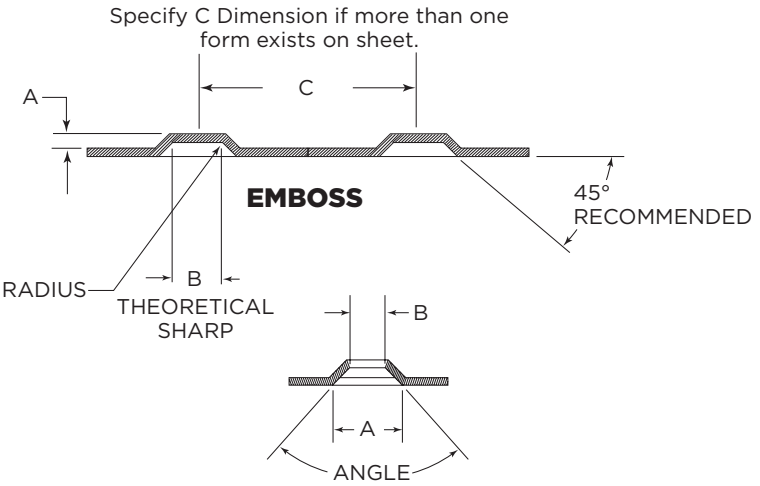
BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Securely holds, guides, and protects printed circuit boards (PCBs) within any chassis, rack, or system. • Accommodates both standard and specialised lead-in shapes, simplifying your sheet metal forming process and streamlining assembly. • Universal holder offers fast and easy length adjustments with the adjusting driver. • The form is internally stripped for best results. • To change Card Guide size, only the punch tip, ejectors and die assembly are required. • Wilson Tool will estimate the web of material to be formed on all Card Guides. • Special lead-ins available. • Developed pre-punch shape and size for special card guides available. • ABS compatible, minimising wear and maintenance.	• Form heights of less than two times the material thickness are not recommended because the web may twist (one side will form higher than the other). • For proper design, closest center-to-center and narrowest pre-punch are required. • Special applications may affect pricing.	• Machine model. • Material thickness and type. • Drawing of desired card guide, center-to-center location and narrowest pre-punch. • Pre-punch shape: rectangle, obround, or rectangle with radius corners. • Length of pre-punch if material is less than 1.27mm [.050"].

EMBOSS — FORM-DOWN / FORM-UP









FORMED COUNTERSINK

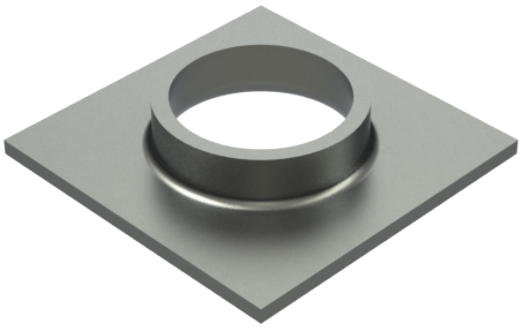
COMMON IN STATION SIZES

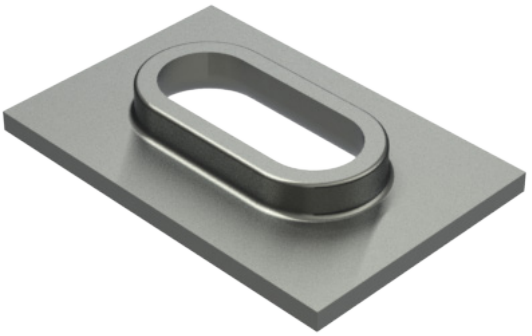
A B C D E

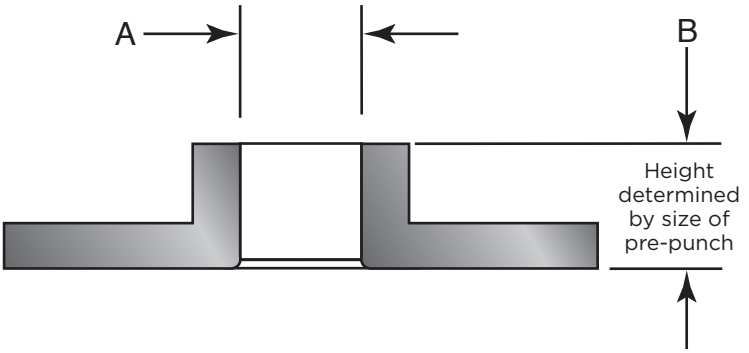
Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Useful for stand-offs, spacers, large countersinks and locks for nuts. • 0° and 90° standard keying on shape forms. Additional keying is available. • Small Station tool is a full body design to give maximum bearing area to sheet. For fast and easy adjustments, an E-Z Set punch head is recommended. • Large Station tools feature a cost-effective punch, stripper, and die design that fits your existing holder assembly, allowing for easy conversion to different sizes without purchasing a new holder. Run in an HP holder to make length adjustments fast and easy, reducing expensive down time. • Engineered to meet you unique requirements to ensure part quality and consistent form.	• Large station forming tools must be run with a light spring in the upper unit. • Keep forming tools as far from clamps and pierced holes as possible to reduce the risk of sheet distortion. • A witness ring mark around the form indicates there is too much spring pressure in the upper unit or the tool is stroking too deep. • A post delay should be programmed to give the tool time to strip. • For maximum size in each station, please consult with our Tooling Technicians. • Never punch thicker material than what the tool was designed for. • Special applications may affect pricing.	• Machine model. • Material thickness and type. • Full dimensioning (height, dia. or shape, angle, radius, thru-hole, etc.). • Drawing (if possible). • Dimensions preferred to a theoretical sharp. • Style of large station guide assembly.

EXTRUSION







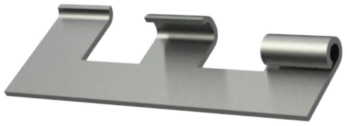
COMMON IN STATION SIZES

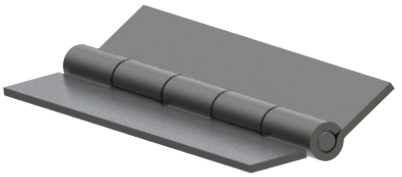
A B C D E

Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Used in a broad spectrum of applications including self-tapping screws, cooling tube holders, air flow and tread plate. • Small Station – Extrusions with I.D. ≤.375" (9.53mm) are made insert style for fast, easy, economical replacement. – Form-down extrusions are self-stripping. – For fast and easy adjustments, an E-Z Set punch head is recommended. • Large Station – Extrusions with I.D. >.500" (12.7mm) are a punch tip, ejector and die assembly running in a universal holder providing cost savings and flexibility. – Internal self-stripping design for consistent, trouble-free operation. – Fast and easy length adjustments can be made with the adjusting driver, saving costly set-up time. • Lower unit coating options are available for enhanced durability, longer life and easier stripping. • ABS compatible, minimising wear and maintenance.	• Slow machine speed or program in a post delay to give the tool time to strip. • Extrusions must be pre-punched. • Extrusions are made for specific material thickness and type. • Punch, stripper and die assembly designs on extrusions with I.D. < .500" (12.7mm) require reduced spring pressure in upper unit. • Consult with our Tooling Technicians when extruding stainless steel. • Special applications may affect pricing.	• 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





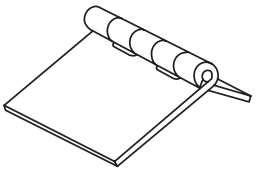
Offset Fully Curled Hinge

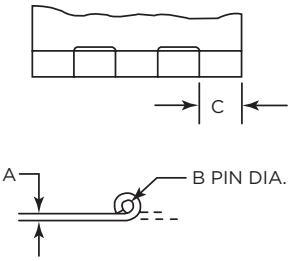


Standard Fully Curled Hinge



One-Hit Half Knuckle Hinge





Scan QR Code to See Hinge Tool in Action

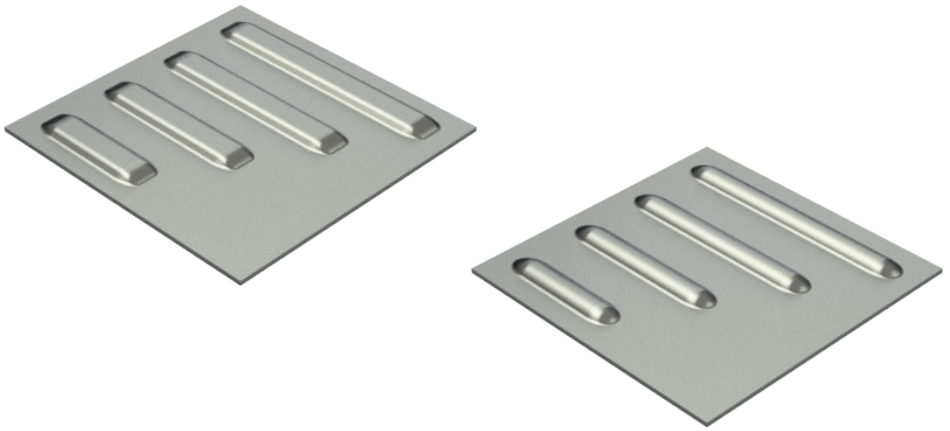
COMMON IN STATION SIZES

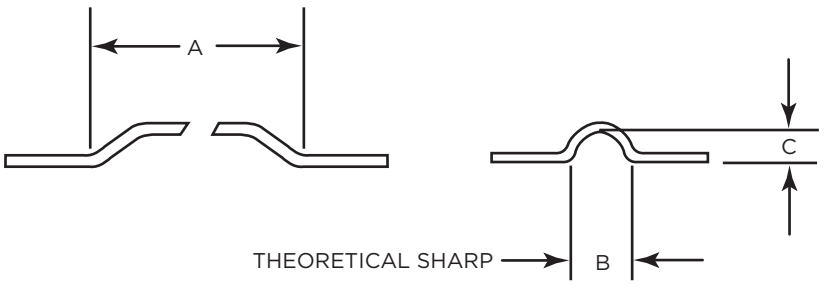
A B C D E

Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Fabricate panels with integrated hinges, eliminating the need for costly hardware, fitting, and line-up assembly. • A fully curled knuckle is achieved with two sets of tools. The first tool takes two or three hits and the second tool one hit. • Hinges can be produced on the edge or in the middle of the sheet. Simply pre-punch the knuckle size and run the hinge tools as instructed. • Operating instructions with developed dimensions for easy programming are included with tool(s). • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended.	• Design parameters change when using stainless steel. Consult our Tooling Technicians. • Maximum material and pin size may vary according to machine. • Offset hinge tools are available. Consult our Tooling Technicians. • Special applications may affect pricing. • Large stations are ABS compatible	• Machine model. • Material thickness and type. • Drawing of application required. • Hole ID and tolerance. • Knuckle size. • Location of hinge on sheet — edge or middle.

PROGRESSIVE RIB





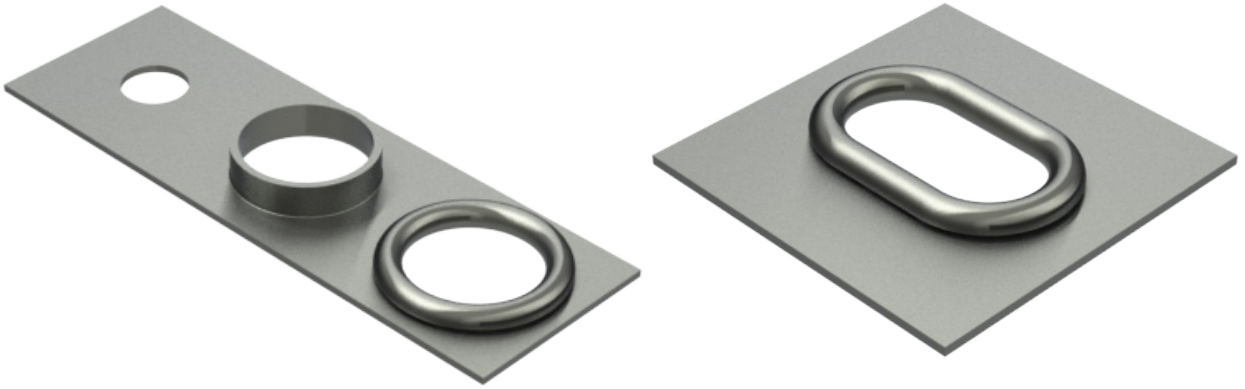
COMMON IN STATION SIZES

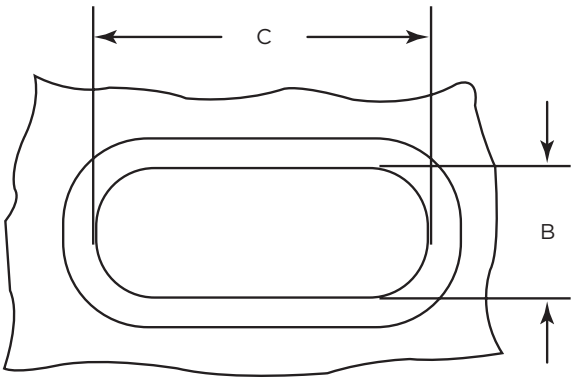
A B C D E

Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Produces quality stiffening ribs on your turret. • Programmable to any length. • Increase rib quality by decreasing increment moves to .020 – .080" [0.5 – 2mm]. • When changing material thickness, only a new upper punch or punch tip is required. • Large station progressive ribs run in a universal holder for cost savings and flexibility. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended. • ABS compatible, minimising wear and maintenance.	• For best results, inside radius should be equal to or greater than the height. • Slight deformation may occur on first hit. • Max. material thickness: – Mild Steel/Aluminum: .105" [2.7mm] – Stainless Steel: .090" [2.3mm] • Ends of rib blend down to sheet (not a distinct radius). • Max. recommended "C" dimension is 3.5 times the material thickness. • Special applications may affect pricing.	• Machine model • Material thickness and type • B and C dimensions

ROLLOVER TOOL







ROLLOVER HEMMING

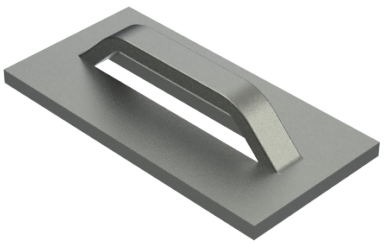
COMMON IN STATION SIZES

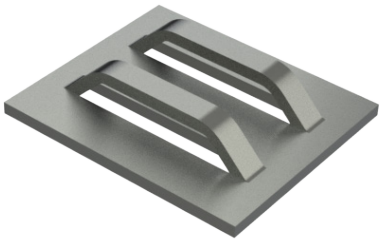
A B C D E

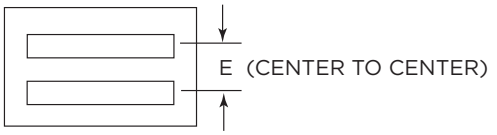
Punching Specials Templates

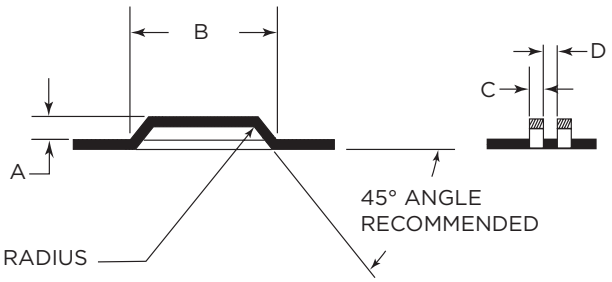
BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• For use in many applications including hand holds, wire feeds and grommets • Reduces costly secondary operations and handling. • Rollover and Hemming applications require three steps: Step 1 Pre-punch (developed by Wilson Tool free of charge) Step 2 Form-up extrusion Step 3 Rollover or Flare & Flatten • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended.	• Designed for specific material thickness and type. • Consult our Tooling Technicians about size and material thickness limitations. • Tearing may occur in widths or diameters less than .625" [16mm]. • See form-up extrusion catalog page for information of Step 2. • Height in the extrusion operation controls how much curl can be achieved in Step 3. • Special applications and tight tolerance may affect pricing.	• Machine model. • Material thickness and type. • Diameter or length and width (opening). • Tolerance of opening. • Application (hand hold, wire feed, etc.). • Style of large station guide assembly.

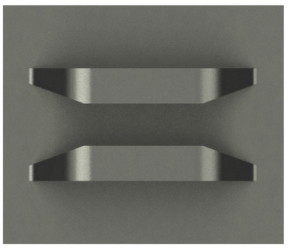
BRIDGE LANCE & FORM

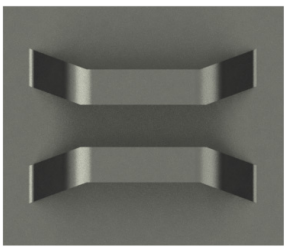












COMMON IN STATION SIZES

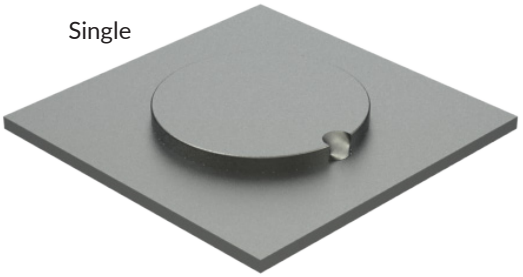
A B C D E

Punching Specials Templates

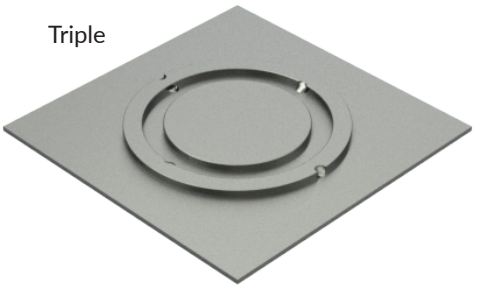
BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Used for shear stops (higher form makes it easier to pick up gauging), card guides, locators, dividers, ventilation and wire tie downs. • Designed to have a positive form, for high-quality and consistent parts. • Tools can be designed for form-down operations upon request. • Optional lead-ins are available on Double Bridge. Consult with a Tooling Technician. • Large station holder assembly design provides cost saving replaceable punch tip and ejector. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended. • Coating options available for extended tool life. • Large stations are ABS compatible, minimising wear and maintenance.	• Designed for one specific material thickness. Thinner material may be used, but the form will change. Never punch material thicker than what the tool was designed for. • For strongest form, bridge width should be 1.5 times the material thickness in mild steel and aluminum, and 2 times the material thickness in stainless steel. • Widths less than .070" [1.78mm] will alter price. Consult a Tooling Technician. • Form-down is not recommended in N.C. machines.	• Machine model. • Material thickness and type. • Length, width, height and center to center. • Drawing of pattern for relief. • Top, side and end views.

EKO — ELECTRICAL KNOCKOUT

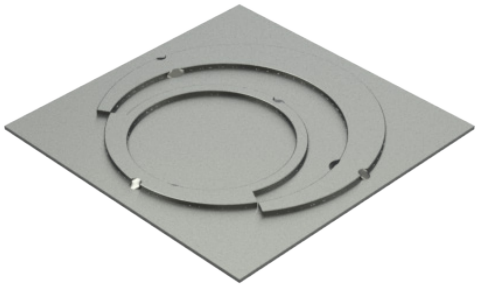
Single



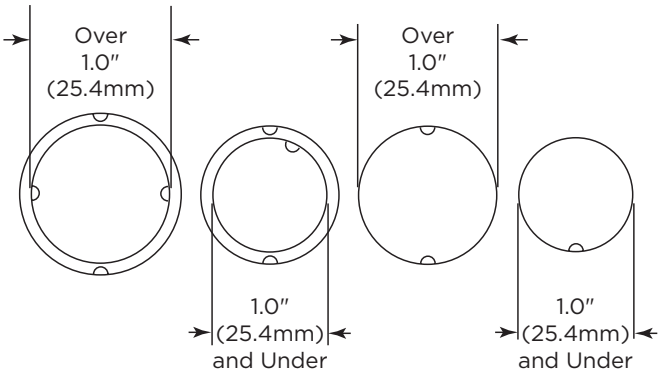
Triple



Quad Tangential



Standard Wilson Tool Tab Location



COMMON IN STATION SIZES

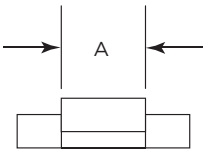
A B C D E

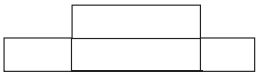
Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Used to create connection points for cable pathways • Available in standard and special shapes for: – Single – Double, Triple or Quad (concentric or tangential) • Designed with full striping in both upper and lower units to produce good quality, reliable knockouts every time. • Most EKO's can be used in a small range of material thicknesses (ex: 16-14 ga./1.5-2mm). • Purchase only punch tip(s), ejector, and die assembly when changing sizes. • Large station tool is designed as a punch tip, ejector and die assembly, and runs in a universal holder. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended. • Coating options available for extended tool life. • ABS compatible, minimising wear and maintenance.	• Slow machine speed or program in post delay to give the tool time to strip. • Consult with our Tooling Technicians for material thickness range when exceeding 14-gauge [2mm]. • Special applications may affect pricing.	• Machine model. • Material thickness and type. • Actual diameter (not conduit size) • Form-up or Form-down. • Specify Standards or Special tab location and size. • Specify center-to-center if more than one knockout exists on the sheet.

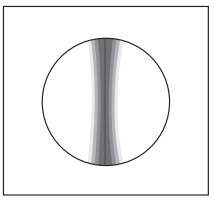
HALF SHEAR / ROOFTOP HALF SHEAR

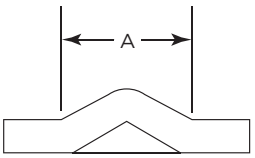
Half Shear

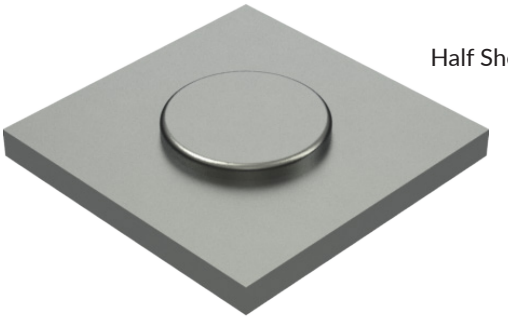




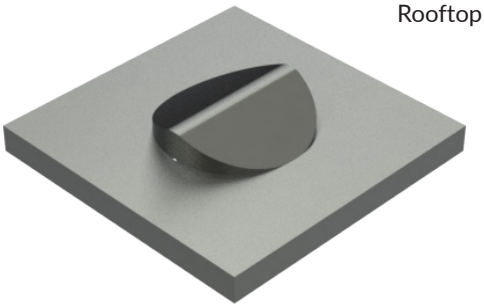
Rooftop Half Shear



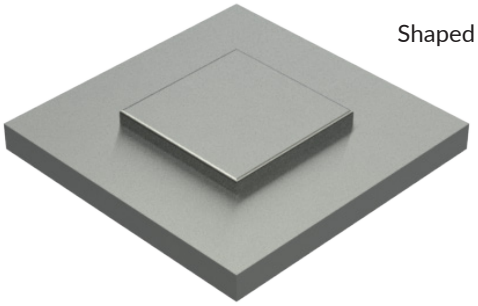




Half Shear



Rooftop Half Shear



Shaped Half Shear

COMMON IN STATION SIZES

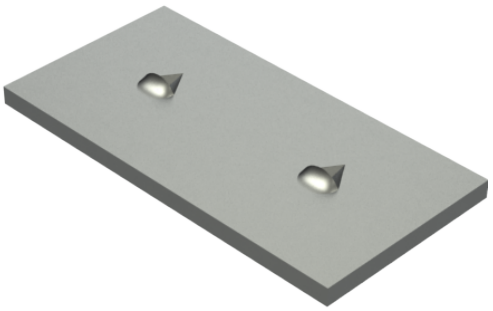
A B C D E

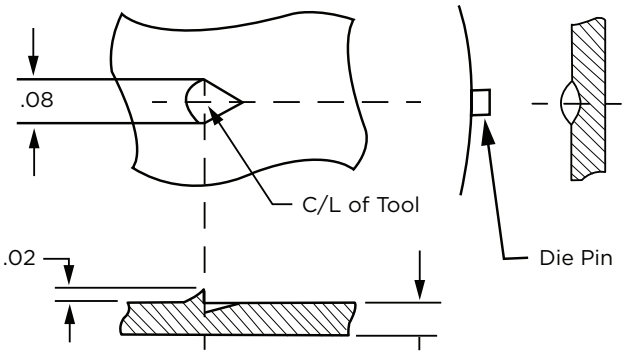
Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Easy-to-use tool 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. • Replaceable insert design up to .375" [9.53mm] diameter in lower unit of 1-1/4" (B) station half shear. • Half shears can be used on an .125" [3.17 mm] range of material. • Rooftop half-shear provide greater height protrusion from the metal which aids in picking up the locator on the sheet. • Form-down and large station half-shears are available. Consult with a Tooling Technician. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended.	• Half shears work best in thicker material. • A holding tab similar to an electrical knockout may be required on thin material. • Rooftop half shears have approximately a 3-gauge material thickness range. • Minimum recommended rooftop half shear is .250" [6.35mm] diameter. The most common size is .400" [10.1mm] diameter. • Never punch material thicker than what either tool was designed for. • Special applications may affect pricing.	• Machine model. • Material thickness and type (or range). • Diameter or shape (on top of sheet). • Specify center-to-center if more than one half shear exists on the sheet. • Form-up or Form-down.

SCRATCH TOOL

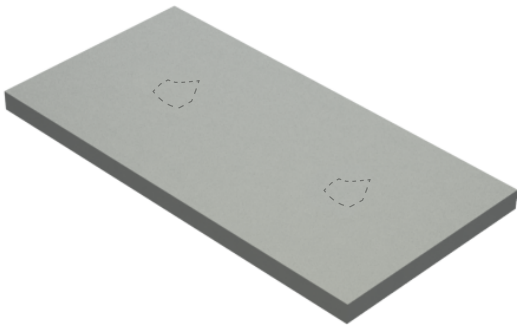
Top of Sheet

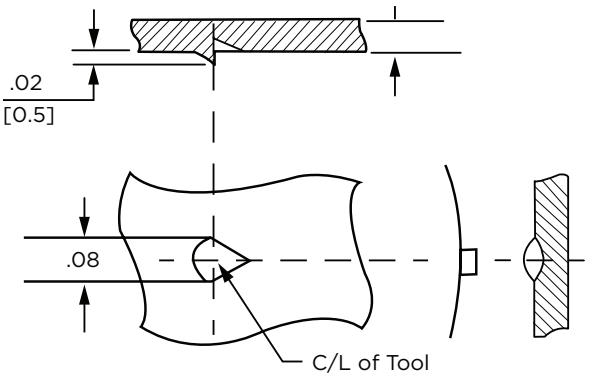




TOP OF SHEET VIEW

Bottom of Sheet





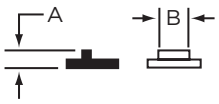
BOTTOM OF SHEET VIEW

COMMON IN STATION SIZES

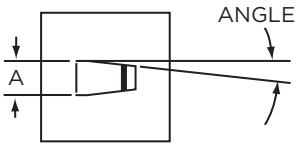
A **B** C D E

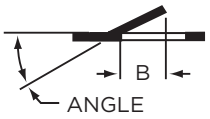
BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Use for spot welding locators, locators for angular shearing and shear stops. • Height of the stop is .020 – .030" [.5 – .8mm]. • Designed with relief for .500" [12.7mm] center to center.	• Punches a range of material from .036" – .125" [.91mm – 3.18mm]. •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

LANCE & FORMS

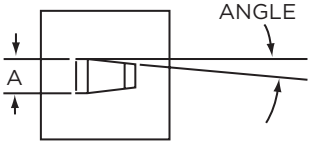


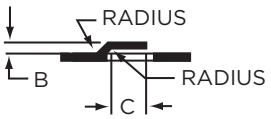
FORM OF 90°



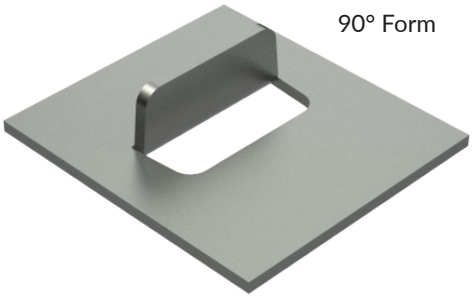


OTHER THAN 90°

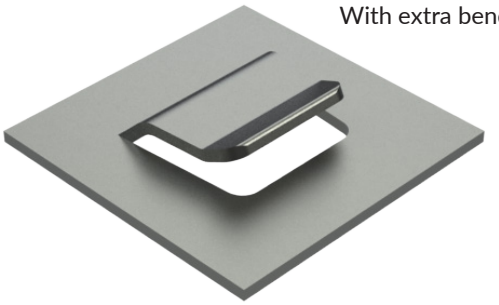




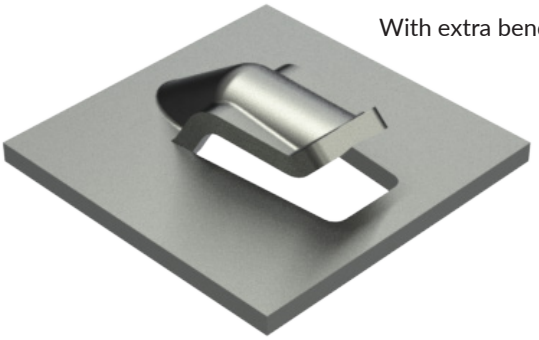
OTHER THAN 90°



90° Form



With extra bend



With extra bend and rib

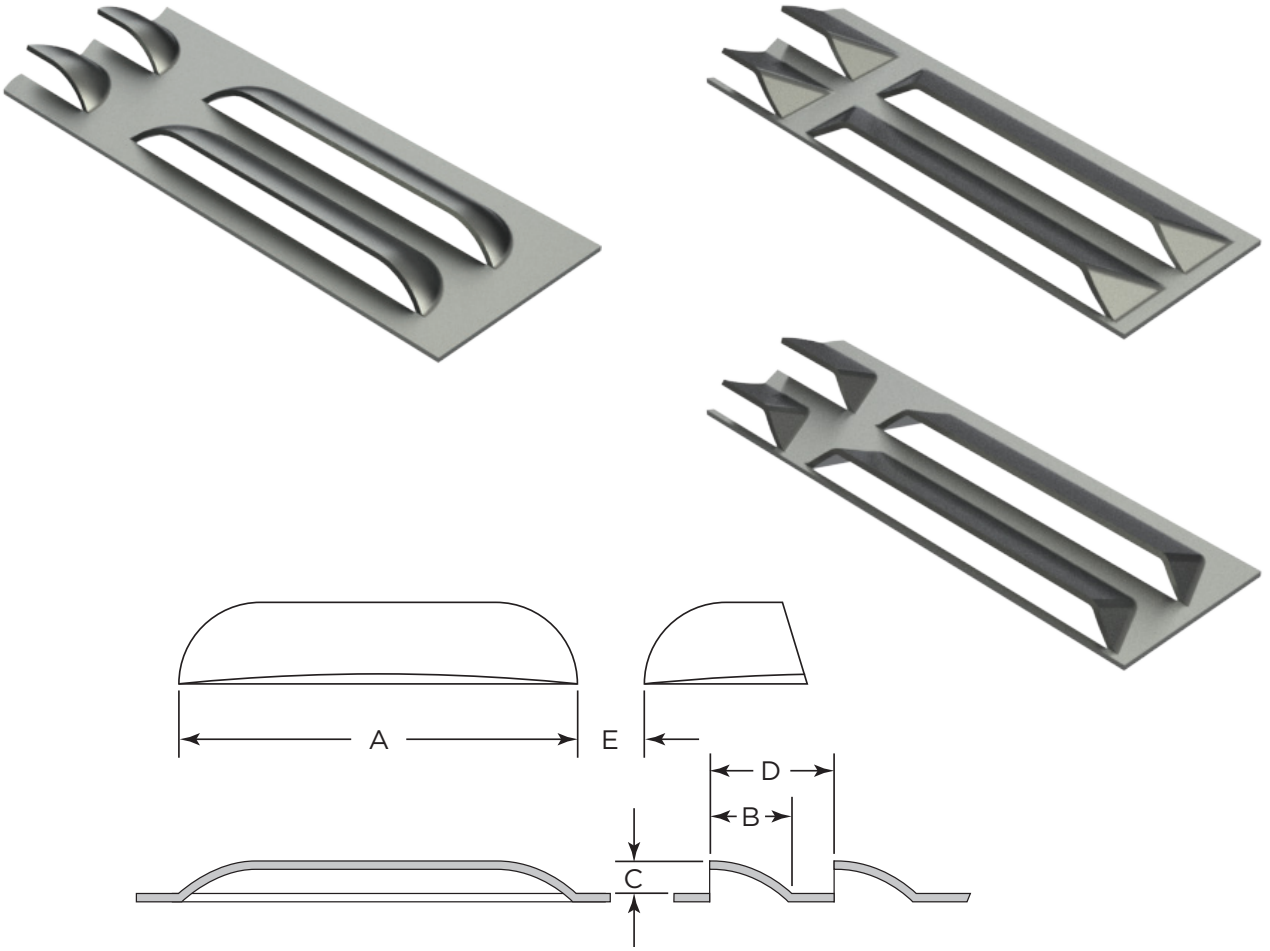
COMMON IN STATION SIZES

A B C D E

Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Used in various applications including air flow, decoration, card guides, location markers, shear tabs, wire harnesses and clip attachments. • Self-stripping and positive form design on lance and forms less than 90° assures consistent, trouble-free operation. • Large station lance and forms are made from our complete holder design, eliminating the need for spring changes, assembly and disassembly. • Large station tools are ordered as a replaceable tip and ejector design provides cost savings and flexibility and run in a universal holder. • Coating options available for extended tool life. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended.	• Lance and forms of 90° must form a minimum of two material thicknesses overall. • Forms of 90° may need to be pre-punched around tab when punching aluminum or thin material. • A taper of 5° per side should be added to aid in stripping large station lance and forms other than 90°. • Lance and forms are made for a particular material thickness. Never run thicker material or damage will occur. • Special applications may affect pricing.	• Machine model. • Material thickness and type. • Complete drawings of the lance and form showing length, width, height, angles, and other forms (if any) near lance so proper relief can be built into the tool. • Style of large station guide assembly - for lance and forms of 90° only. • Form-up or Form-down.

LOUVRES



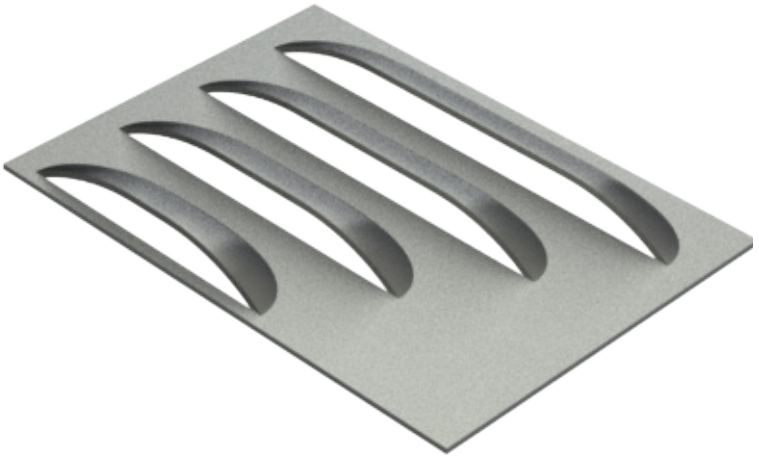
COMMON IN STATION SIZES

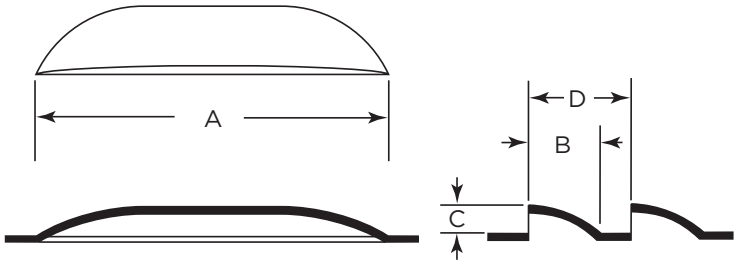
A B C **D** **E**

Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Used in a variety of industry applications that require airflow, electrical enclosures, HVAC and food service equipment. • Stock sized louvre are available. • Large station louvres run in a universal holder design which includes spring loaded adjusting plunger for quick and easy length adjustments. • Lower costs with replaceable inserts that can be converted to different size Louvres. • Single hit Louvers can be placed back-to-back (no web between Louvere). • Keying at 0°, 90°, 180°, 270° is standard. • Coating options available for extended tool life. • ABS compatible, minimising wear and maintenance.	• Max. louvre width on standard design is .750" [19mm] (special wide louvers are available). • The "drawing back" of material is more noticeable on higher forms. • Max. material thickness for mild steel in our standard design is .125" [3.17mm]. Consult with a Tooling Technician for thicker material. • Consult with a Tooling Technician for non-standard sizes, 1-1/4" (B) and 2" (C) station.	• Machine model. • Material thickness and type. • A, B, C, D and E dimensions.

PROGRESSIVE LOUVRES





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

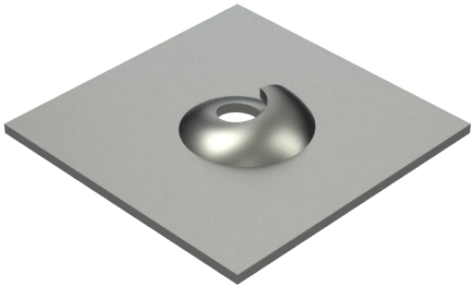
COMMON IN STATION SIZES

A B C D E

Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Large station louvres run in a universal holder design which includes spring loaded adjusting driver for quick and easy length adjustments. • Lower costs with replaceable inserts that can be converted to different size Louvres. • No restrictions on the length of the louvre. Simply program in any length. • Keying at 0°, 90°, 180°, 270° is standard. • Limited sheet feed direction. Instructions provided with tooling. • Coating options available for extended tool life. • ABS compatible, minimising wear and maintenance.	• Max. louvre width on standard design is .750" [19mm] (special wide louvres are available). • The "drawing back" of material is more noticeable on higher forms. • Max. material thickness in mild steel and aluminum is .125" [3.17mm] and .090" [2.3mm] for stainless steel. • Progressive louvres are made for a specific material thickness. A separate pocket insert is required for each material thickness. • Consult with a Tooling Technician for non-standard sizes.	• Machine model. • Material thickness and type. • B, C and D dimensions. • Electronic file or dimensional drawing.

THREAD FORM





THREAD FORM DATA CHART

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

THREAD FORM

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

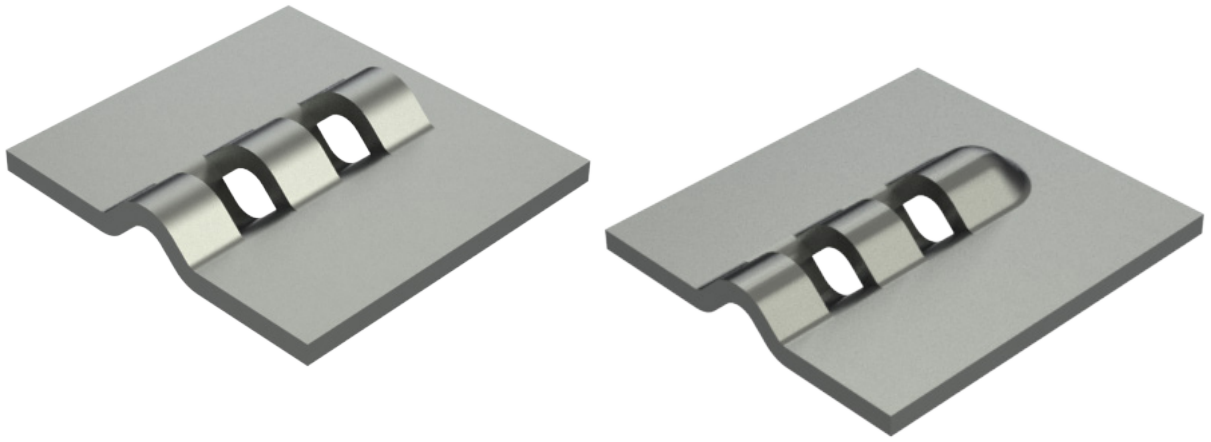
COMMON IN STATION SIZES

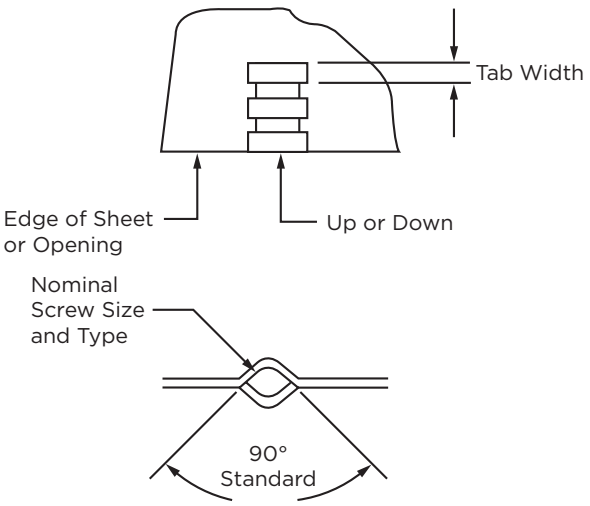
A B C D E

Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• A great solution for threading thin material that eliminates secondary operations and costly supplemental hardware. • Pre-punch information provided. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended. • To use with material thinner than what tool was designed for, adjust length of the tool for the different material. (Never run material thicker than what the tool was designed for.) • Non-standard thread forms available. Consult with a Tooling Technician • Sheet feed direction provided on form-down thread forms.	• Operations to produce a Thread Form: Pre-punch and Thread Form. • Keyhole pre-punch recommended for stainless and for #10 and M-5 screw size or smaller for all materials. (keyhole pre-punch provides the necessary clearance to engage screws, as well as to extend tool life.) • Consult with a Tooling Technician for size and material thickness restrictions. • Sample screw may be required on non-standard sizes for proper fit. • Special applications may affect pricing.	• Machine Model. • Material thickness and type. • Thread size and type. • Electronic file or dimensional drawing.

THREAD LOOP





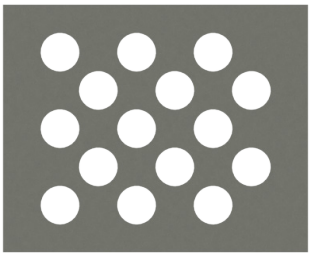
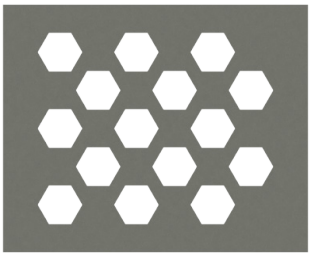
COMMON IN STATION SIZES

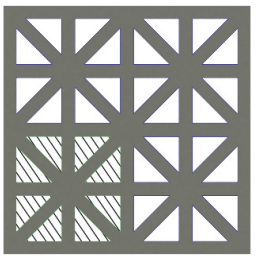
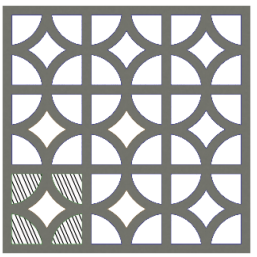
A **B** **C** D E

Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• A great solution for eliminating secondary operations and supplemental hardware when a threaded hole is required. • The Wilson Tool design gives a positive form, which ensures a high-quality part. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended. • Coating options available for extended tool life.	• Tool is made for one specific material thickness. Never punch material thicker than what the tool was designed for. • Widths less than .070" [1.78mm] will alter price. Consult with a Tooling Technician. • Special applications may affect pricing.	• Machine model. • Material thickness and type. • Number of thread loop tabs. • Width of tab. • Diameter of opening or screw size and type. • Drawing if possible.

CLUSTER TOOL

SPECIALS

COMMON IN STATION SIZES

A B C D E

Punching Specials Templates

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• The most cost-effective method to manufacture perforations or other repetitive applications. • Saves on machine punching time and tool maintenance time. • The best choice when punching a pattern of holes that require extremely close center-to-center tolerances. • Different design styles are available to suit your specific cost and manufacturing needs. • The replaceable insert design (Style B) provides additional cost savings with a replaceable punch tip. • Finished parts produced with each hit when your cluster tool is made to progressively pierce and blank, or pierce, form and blank. • Coating options available for extended tool life. • Slug Hugger® 2 dies are available for most applications.	• To warranty the die, round holes must have a web between holes of .125" [3.17mm] or two (2) times the material thickness, whichever is greater. • Long and narrow shapes must have a web between holes: SHAPE LENGTH — MINIMUM WEB ≤ .500" [12.7mm] — .125" [3.17mm] .501 – 1.0" [12.7-25.4mm] — .187" [4.75mm] 1.001 – 2.0" [25.42-50.8mm] — .25" [6.35mm] ≥ 2.001" [50.82mm] — .312" [7.92mm] • Material thickness, type and pattern may alter minimum web requirements. Consult with a Tooling Technician. • Because of the variety of hole patterns, number and size of holes, and styles of tools, contact a Tooling Technician for more information. • Special applications may affect pricing.	• Machine model. • Material type and thickness or range. • Number of hole clusters. • Straight or staggered pattern. • Center-to-center dimensions. • Replaceable (B) or Solid (C) style desired . • Style of large station guide assembly.

ID-STAMP







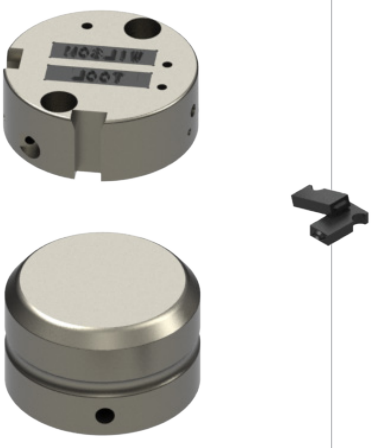
COMMON IN STATION SIZES

A B C D E

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Reduces the number of tools needed to mark parts. • Eliminates secondary stamping operations. • Interchangeable characters for maximum flexibility. • Adjustable material range of .125" [3.2mm] for most machines. • For large station fast and easy length adjustments can be made with the adjusting spring plunger, saving you costly set-up time. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended. • Tool can be used in adapters for large station auto index in most machines. • ABS compatible, minimising wear and maintenance	• Tool requires an Auto Index station. • Characters are sold separately. • Designed for 1/8" [3mm] characters only. • Consult with a Tooling Technician for required tooling, restrictions, and pricing. • Lifter bushing and alignment tool required on Amada machines.	• Machine model • Material type and thickness or range

LETTER STAMP







	FORM-DOWN				FORM-UP			
	B STATION	C STATION	D STATION	E STATION	B STATION	C STATION	D STATION	E STATION
SIZE	MAXIMUM NUMBER OF CHARACTERS PER ROW FOR 1- OR 2-ROW STAMP							
1.57mm	22	24	48	64	20	31	53	64
2.36mm	14	16	32	43	14	21	35	43
3.17mm	10	12	24	32	10	15	26	32
4.75mm	7	8	16	21	7*	10	17	21
6.35mm	5	6	12	16	5*	8	13	16
9.52mm	3*	4*	8*	10*	3*	5*	8*	10*

*Available in 1-row configuration only

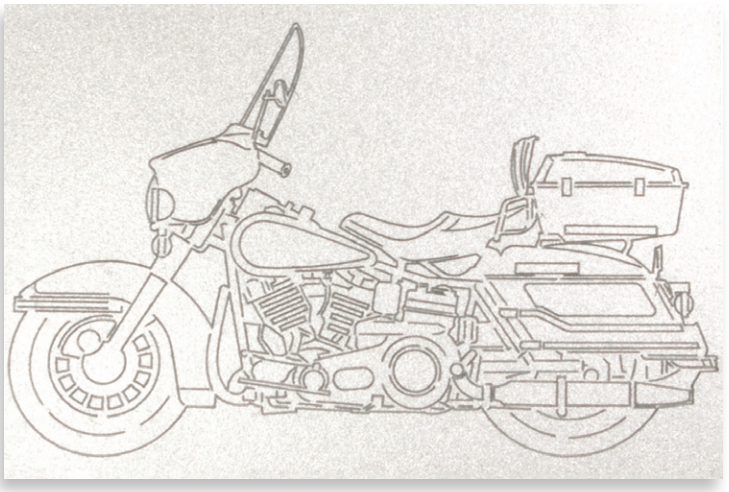
COMMON IN STATION SIZES



BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Stamping while in the machine eliminates secondary handling costs and ensures consistent marking. • Cost-saving replaceable insert design allows for versatility as well as quick and easy replacement. • Change character size and number of rows simply by changing the punch tip and characters. • Adjustable to stamp an 1/8" [3mm] range of material. • Reference chart for stock sizes. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended.	• Characters not included in set price. • For form-up applications, faster character wear will occur in stainless steel and more sheet marking will occur in aluminum if the die is not made self-stripping. • Consult with a Tooling Technician for maximum number of characters with multiple rows. • Special applications may affect pricing.	• Machine model. • Material thickness and type. • Character size, number of rows, number of characters per row. • Station size and style of tooling. • Style of large station guide assembly. • Form-up or Form-down.

WILSON MULTI-SCRIBE®





KIT CONTENTS
1 – Punch & Die Assembly *Assembled with 120° diamond and red medium pressure spring*
1 – Yellow Light Spring
1 – Green Heavy Spring
1 – 150° Diamond Insert
1 – 90° Carbide Insert
1 – 3mm Hex Wrench
1 – Set of User Instructions

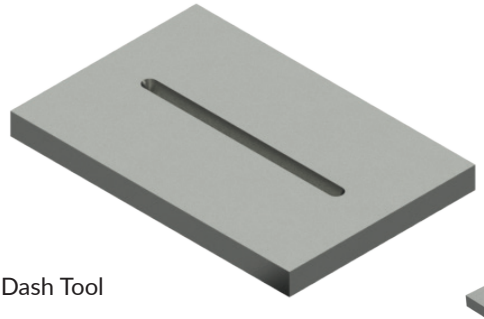
SPECIALS

COMMON IN STATION SIZES

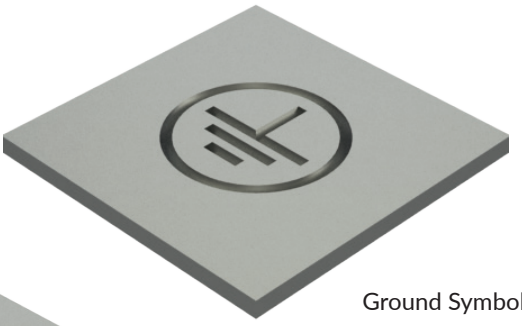
A **B** C D E

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Use for sheet “scribing” or dot-matrix marking. • Works on a range of materials. • 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	• Machines with a programmable hydraulic ram can use both the "scribe" feature and the "dot matrix" feature of this tool. • Machines with a mechanical ram can only use the "dot matrix" feature.	• Machine model • Material thickness and type

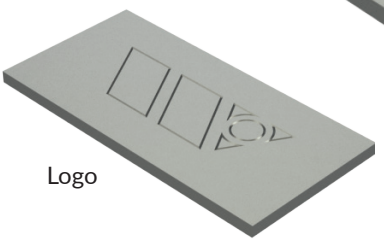
STAMPING



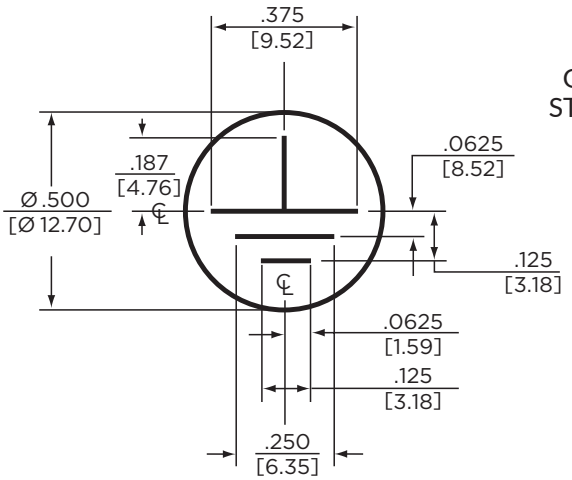
Dash Tool



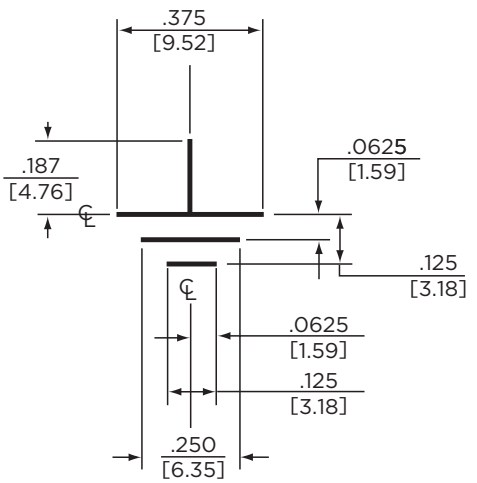
Ground Symbol



Logo



GROUND SYMBOL STOCK DIMENSIONS



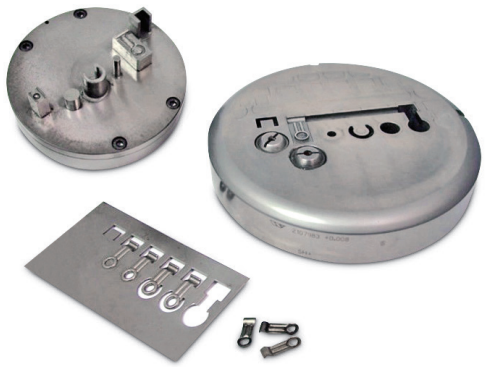
COMMON IN STATION SIZES

A B C D E

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Dash tools can be used in various applications, such as creating numbers or letters, coining a "V" groove on bend lines to aid in the bending of the sheet, and locators on a sheet. • Ground symbols, widely used in the electrical industry, are available as a stock item with or without the circle. • Both dash tool and ground symbol are available in form-up or form-down. • Form-up is designed self-stripping to prevent sheet marking and tool wear on both dash tool and ground symbol. • Logos and other special stamps also can be manufactured. Consult a Tooling Technician for additional details. • For fast and easy adjustments on small station tools, an E-Z Set punch head is recommended.	• Thin material may polish on back side of sheet when stamped. • Dash tool must be run in the Auto Index station when creating numbers or letters. • Special applications may affect pricing.	• Machine model.. • Maximum material thickness and type. • Length of dash. • Size of ground symbol (stock or non-stock). • Form-up or form-down. • For Auto Index station or standard. • Style of large station guide assembly.

PROGRESSIVE PIERCE, FORM & BLANK

Scan QR Code to See Tool in Action

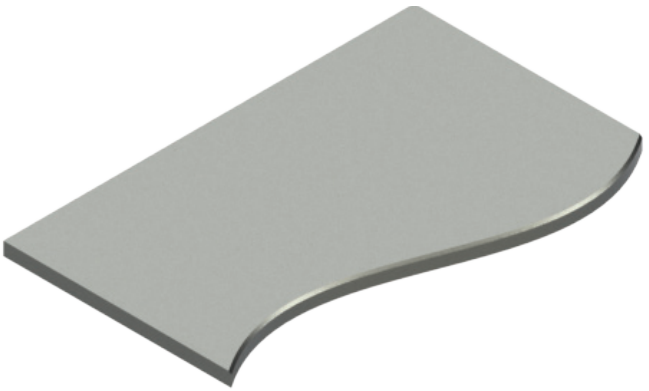


COMMON IN STATION SIZES

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

BENEFITS	INFORMATION NEEDED
• Allows fabricators to economically produce very small runs of parts that traditionally would have a progressive die set. • Creates the complete part. • Lower tooling cost. • Shorter tooling lead time. • Dramatically reduced tooling set-up time. • Increased flexibility. • Multiple coating options available to extend tool life.	• Machine Model • Material thickness and type • Style of large station guide assembly • Electronic file or dimensional drawing

ROLLING DE-BURR



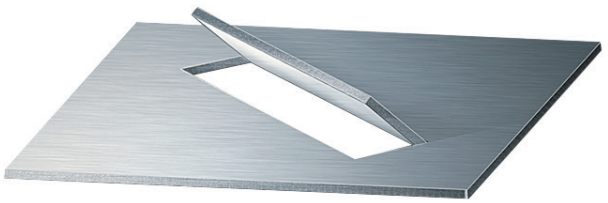
COMMON IN STATION SIZES

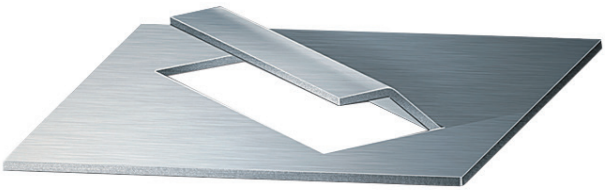
A **B** C D E

Scan QR Code to See De-burring Tool in Action

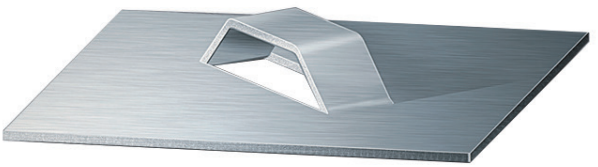
APPLICATION	ADVANTAGES	INFORMATION NEEDED
The rolling de-burring tool eliminates the secondary operation of removing burrs from your parts.	• Quickly and efficiently de-burrs your parts while on the turret machine. • Eliminates costly secondary operations. • Coins a small chamfer on the cut edge top 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

HIGH FORMING TOOLS





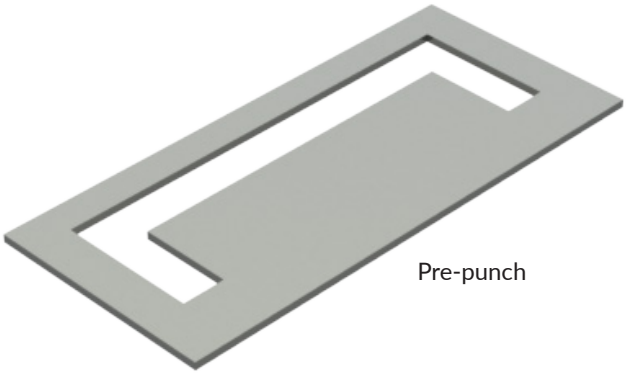




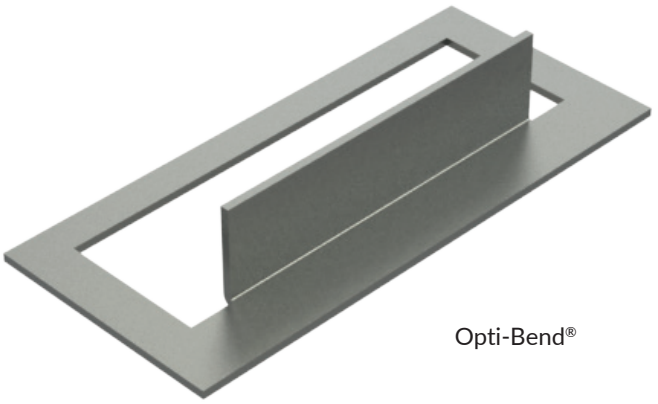
AVAILABLE FOR STATION SIZES (DEPENDS ON MACHINE)
A B C D E

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

OPTI-BEND®



Pre-punch



Opti-Bend®

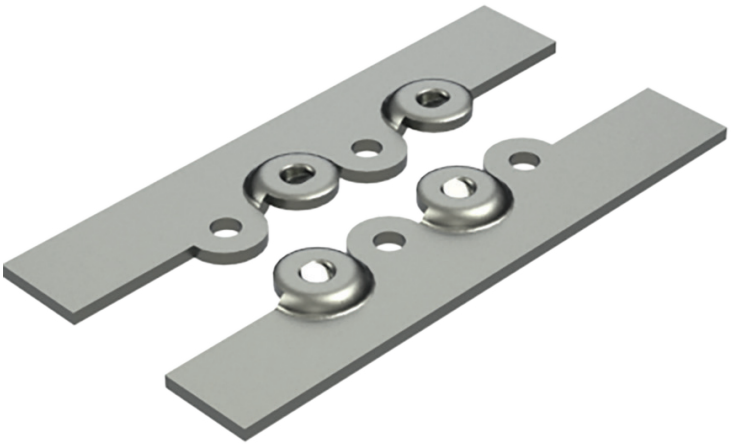
COMMON IN STATION SIZES

A B C D E

Scan QR Code to See Opti-Bend® in Action

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• Perform up to 90° bends on a punch press with neutral pull on the sheet (won't pull out of clamps), eliminating costly, time-consuming secondary operations in a press brake. • It is possible to achieve 3° over bend.	• Special rotating cam design minimises sheet marking on soft or high polished materials. • Available in single hit or progressive styles. • Can be run on a small range of material thickness. • Allows multiple bending in a turret machine.	• Machine Model. • Material thickness and type. • Dimensional drawing or electronic file.

ZIP-TECH







SPECIALS

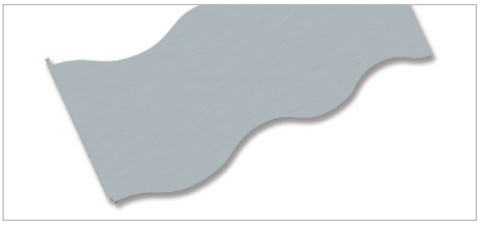
COMMON IN STATION SIZES

A **B** C D E

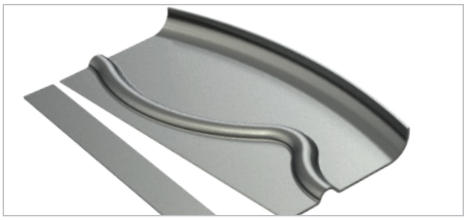
Scan QR Code to See More Connective Forms

BENEFITS	CONSIDERATIONS	INFORMATION NEEDED
• 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.	• Zip-Tech lance is achieved in three operations: Step 1 Pre-punch: Round hole Step 2 Pre-punch: T-shape hole Step 3 Zip-Tech Lance and Form • Material thickness specific	• Machine Model • Material thickness and type • Auto Index stations available

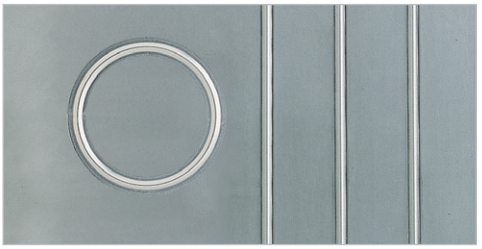
WILSON WHEEL® FAMILY



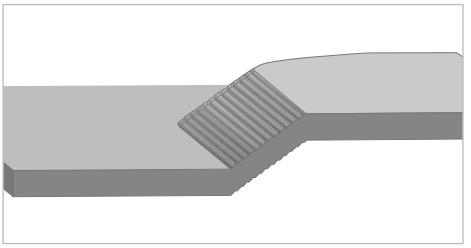
Rolling Shear



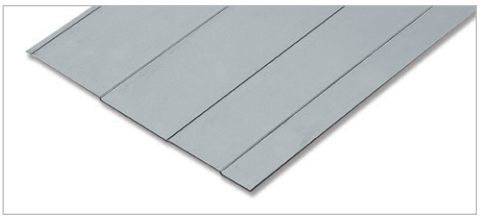
Rolling Flare



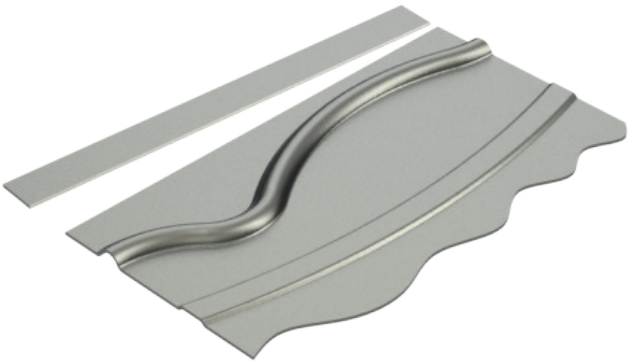
Rolling Rib

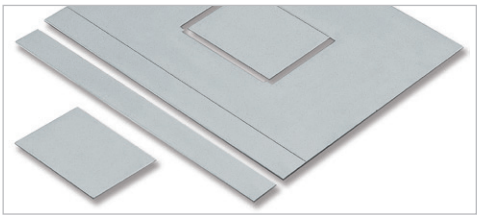


Rolling Forge



Rolling Offset





Rolling Pincher

COMMON IN STATION SIZES

A B C D E

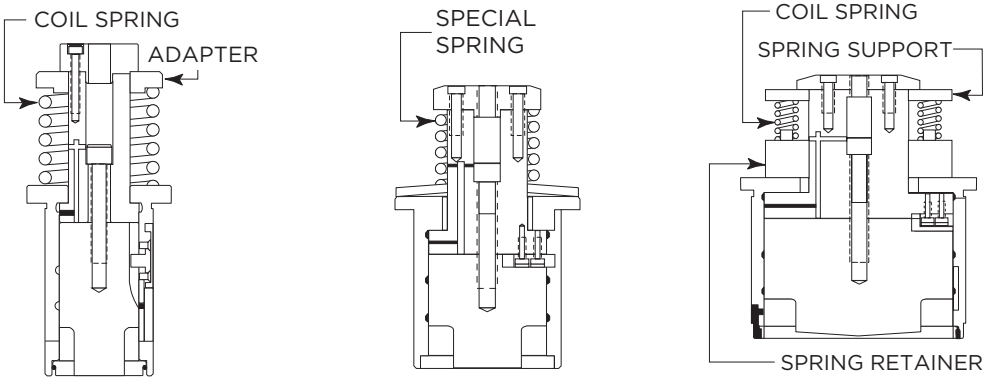
Scan QR Code to See the Wilson Wheel® Family in Action

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

LIGHT SPRING UNIT



OTHER ASSEMBLY DESIGNS

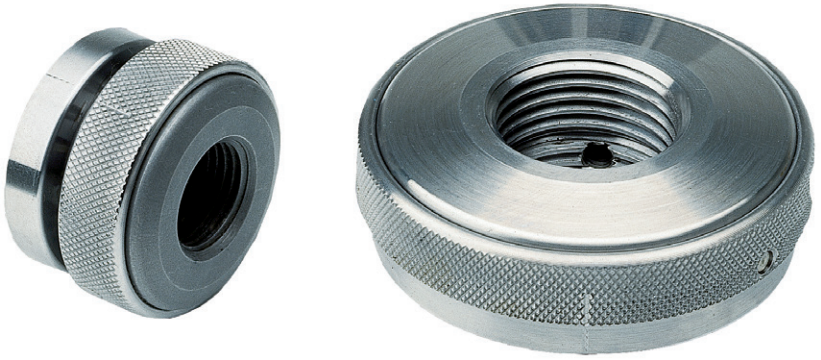


COMMON IN STATION SIZES

A B C D E

BENEFITS	CONSIDERATIONS	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

E-Z SET PUNCH HEAD



E-Z SET PUNCH HEAD	Cat. No.
A Station—Imperial	2481
B Station—Imperial	2369
B Station—Metric	2468



COMMON IN STATION SIZES

A B C D E

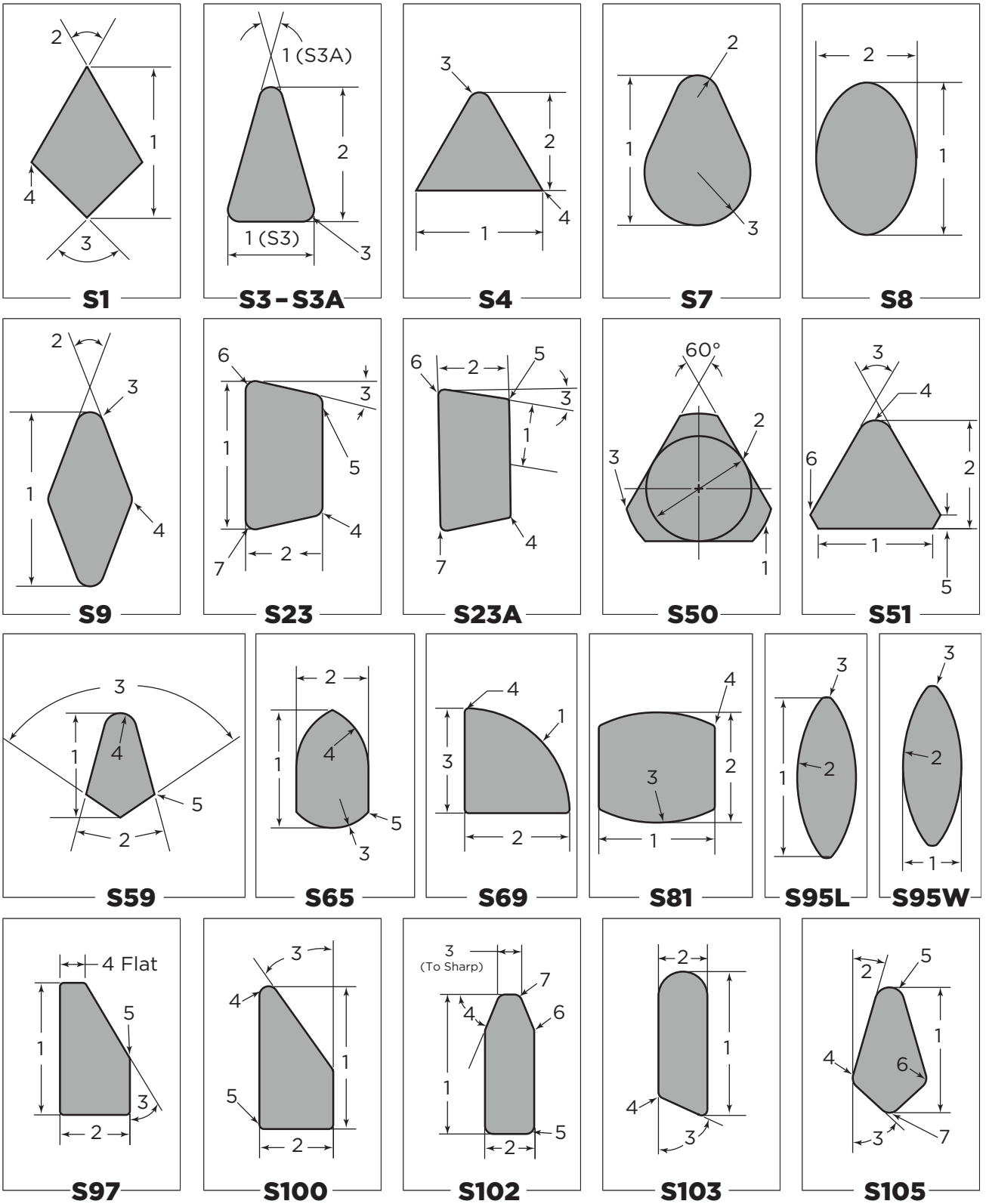
Scan QR Code to See How to Install and Adjust EZ Set Punch Head

BENEFITS

The E-Z Set punch head provides quick turn-of-the-wrist adjustment. You can achieve just the right mark or form when using the punch head on 1/2" A station or 1-1/4" B station stamping and forming tools. Trial and error is streamlined. Costly machine down time for tool adjustment is converted into productive machine up time.

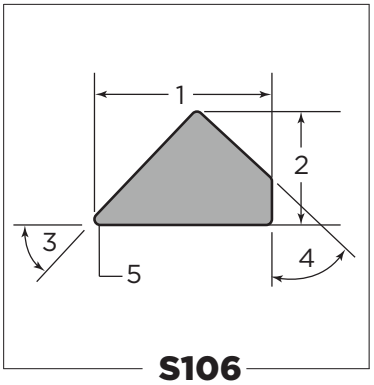
Each adjustment click provides a .0035" [0.09mm] incremental change in the tool length. The maximum adjustment is approximately .125" [3.18mm]. A simple lift and turn of the adjustable head is all that is required. Fine length adjustments can now be made without removing the tool from the turret. You will see instant payback based on reduced machine down time.

SPECIAL SHAPES — GROUP A

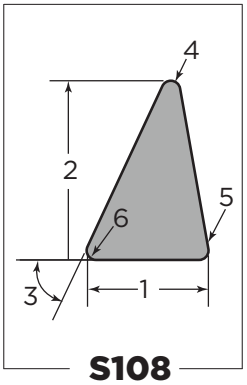


NOTE: Special considerations may alter price and lead time.

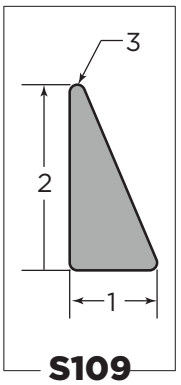
SPECIAL SHAPES — GROUP A



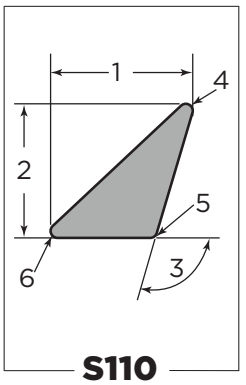
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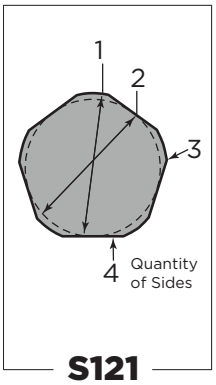
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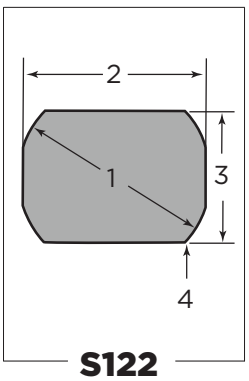
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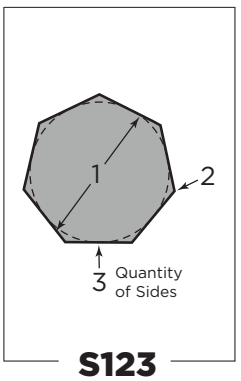
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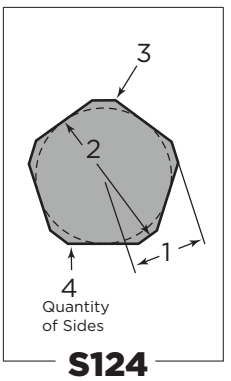
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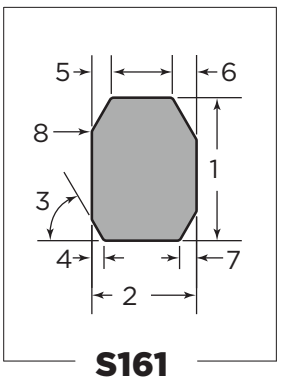
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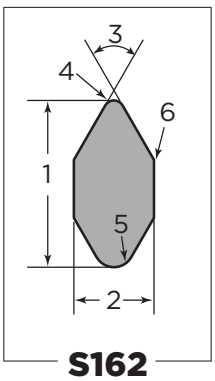
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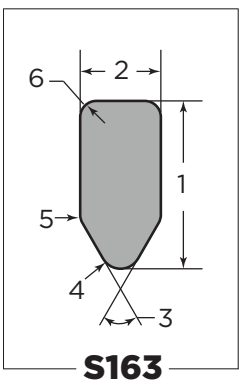
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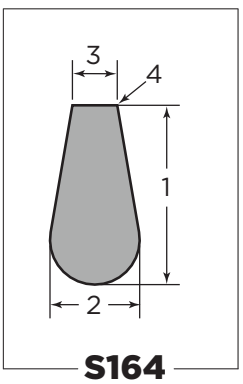
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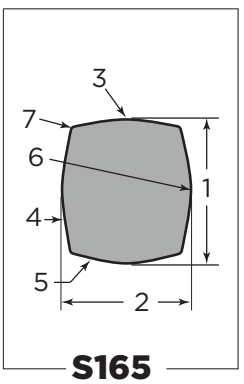
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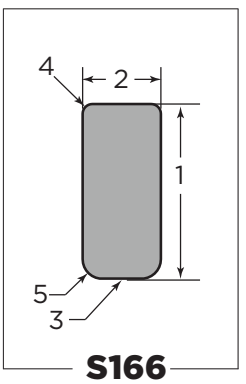
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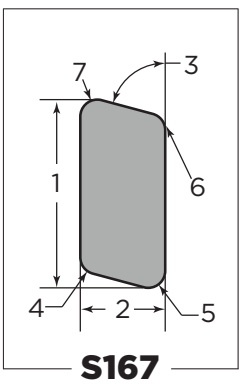
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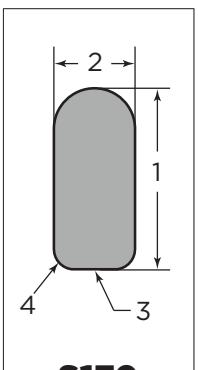
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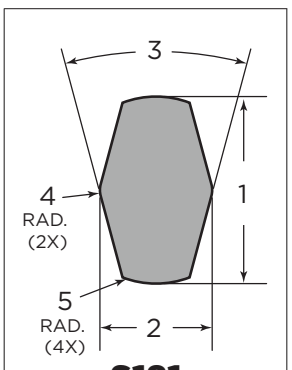
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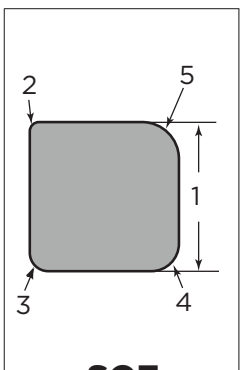
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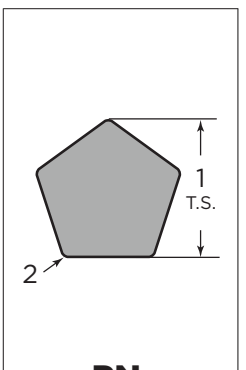
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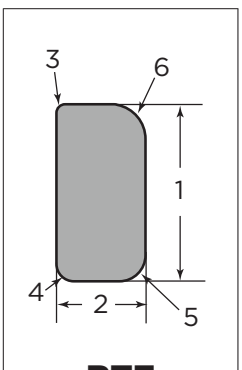
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SQF



PN

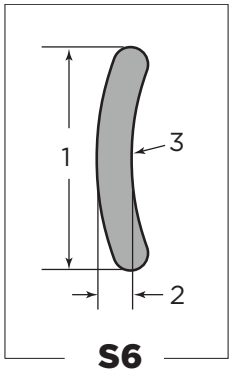


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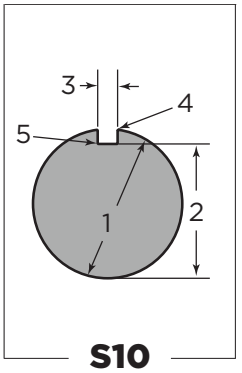
NOTE: Special considerations may alter price and lead time.

SPECIALS

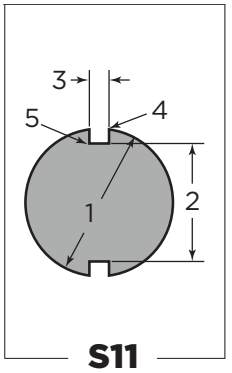
SPECIAL SHAPES — GROUP B



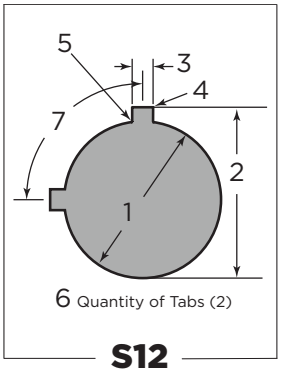
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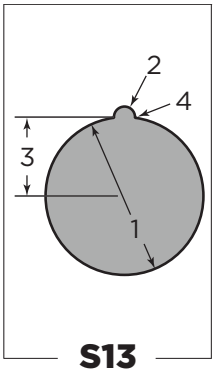
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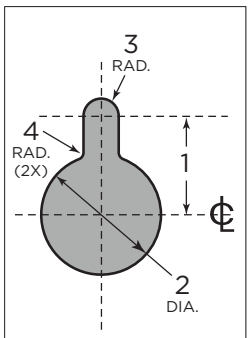
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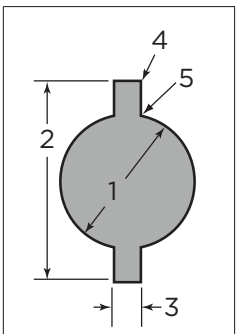
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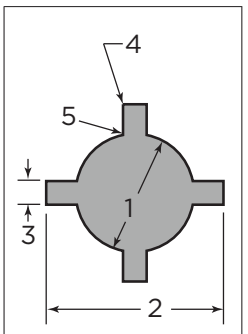
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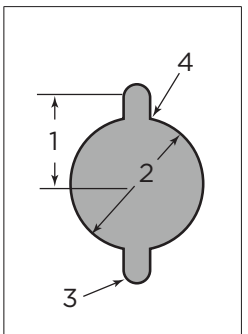
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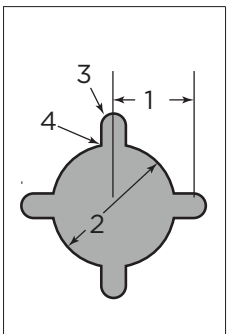
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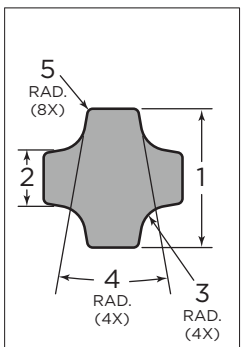
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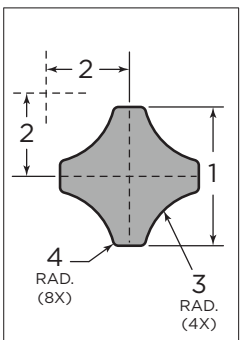
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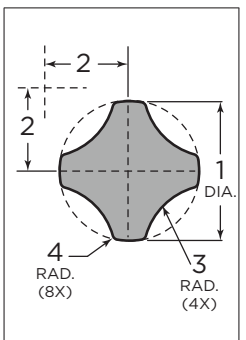
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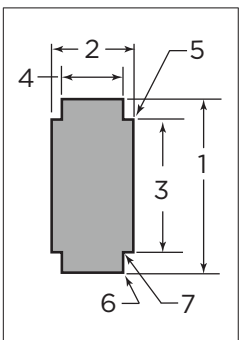
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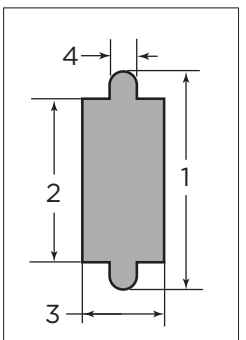
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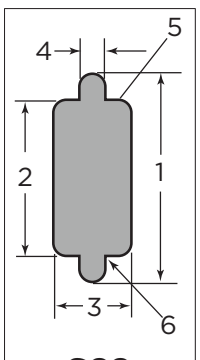
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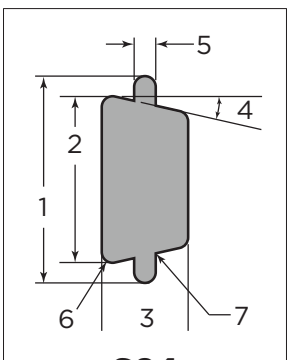
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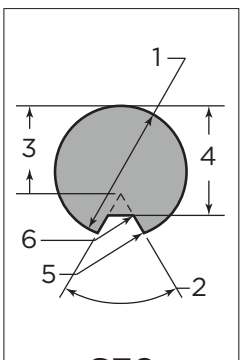
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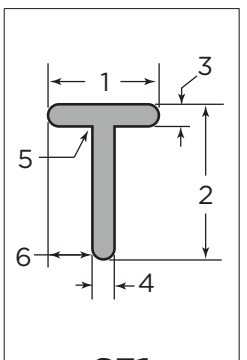
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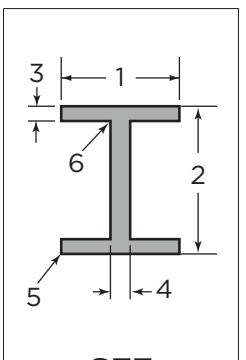
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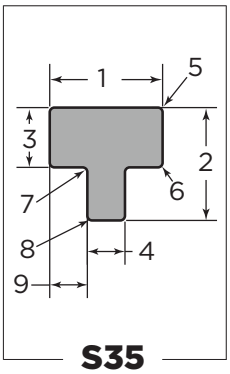
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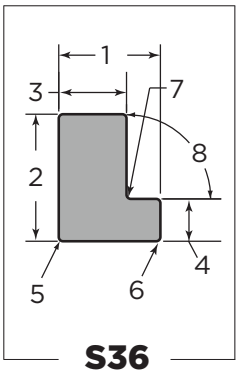
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NOTE: Special considerations may alter price and lead time.

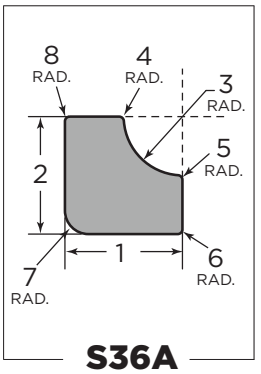
SPECIAL SHAPES — GROUP B



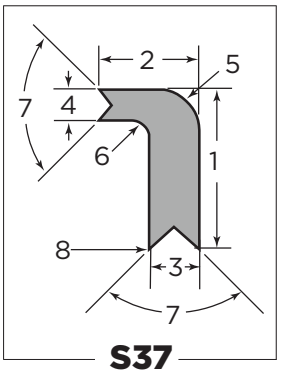
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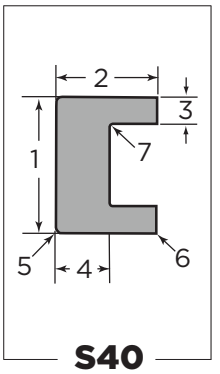
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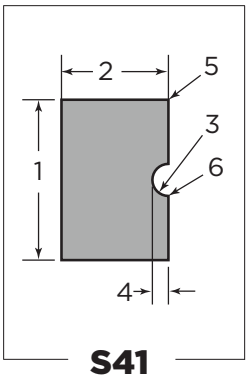
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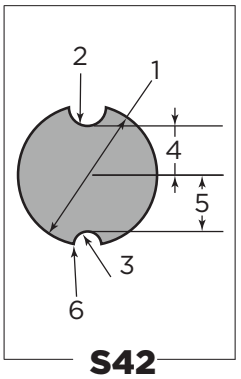
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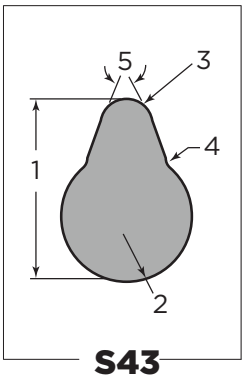
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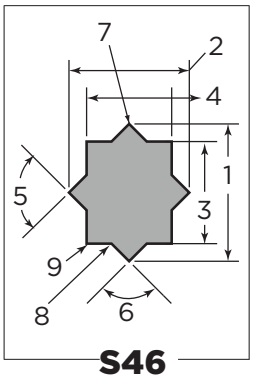
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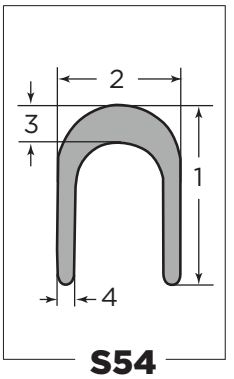
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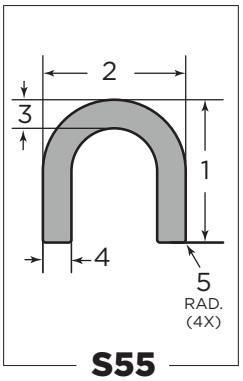
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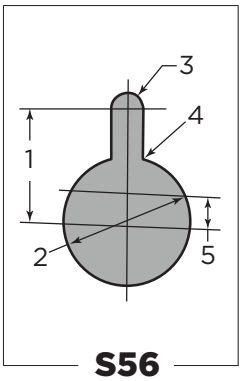
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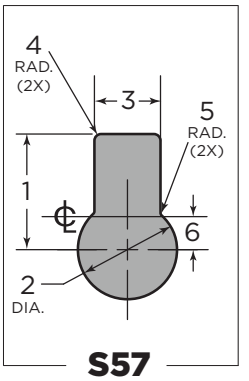
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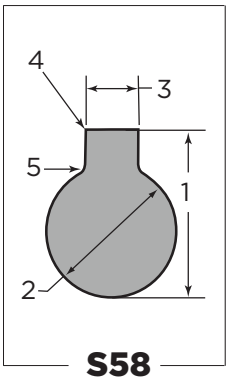
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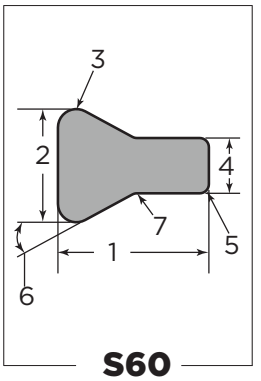
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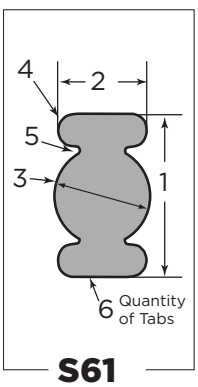
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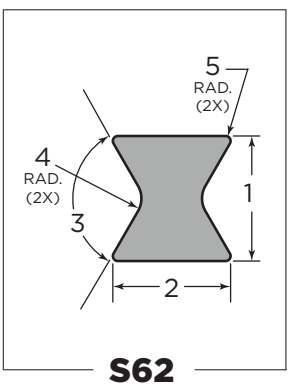
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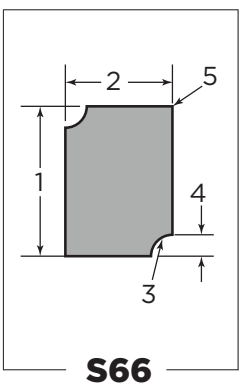
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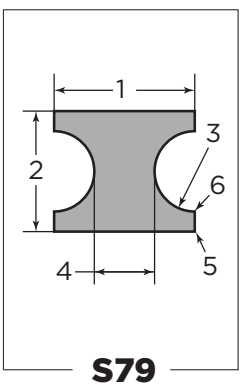
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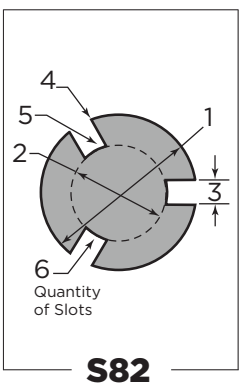
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S66



S79

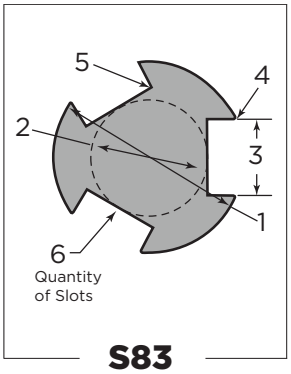


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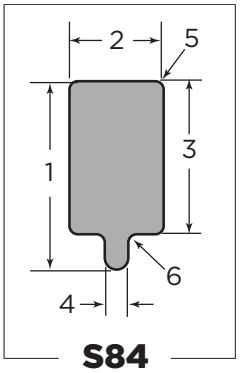
NOTE: Special considerations may alter price and lead time.

SPECIALS

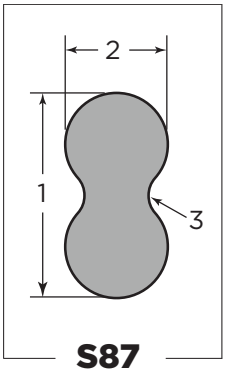
SPECIAL SHAPES — GROUP B



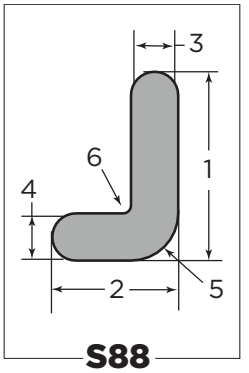
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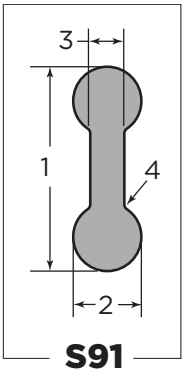
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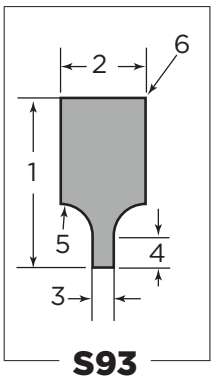
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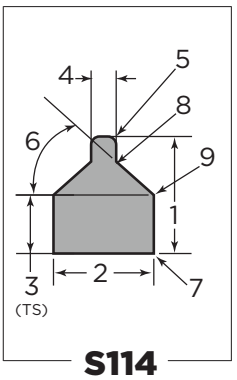
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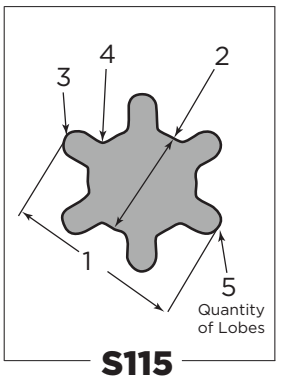
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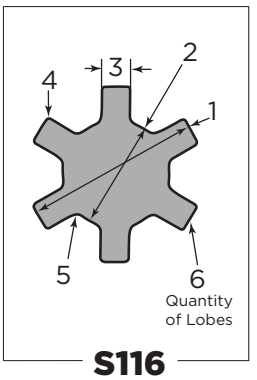
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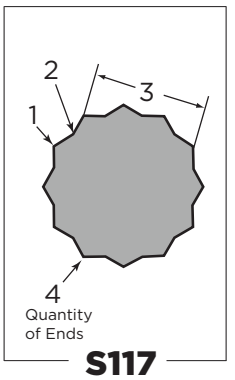
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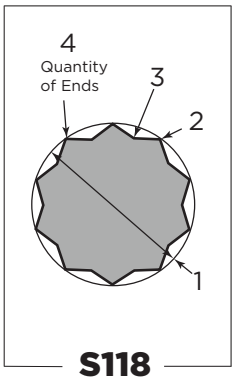
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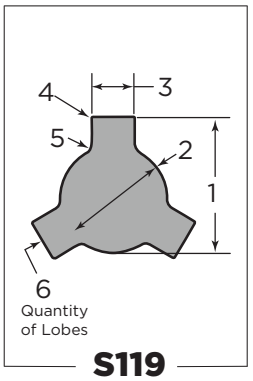
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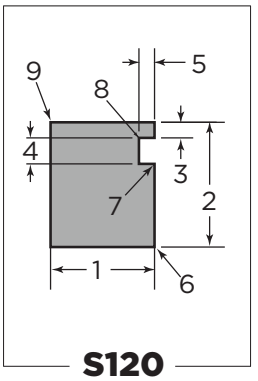
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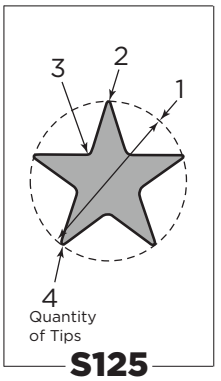
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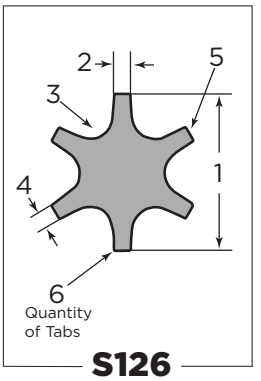
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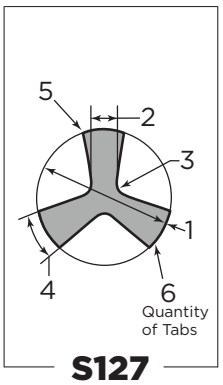
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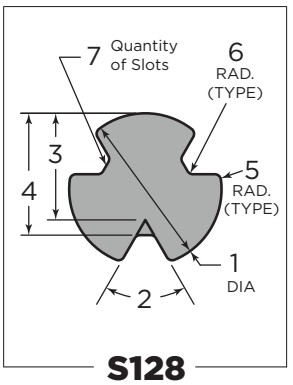
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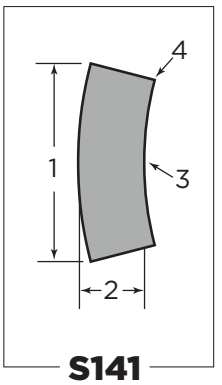
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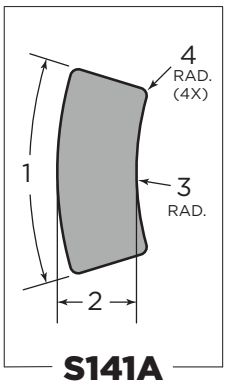
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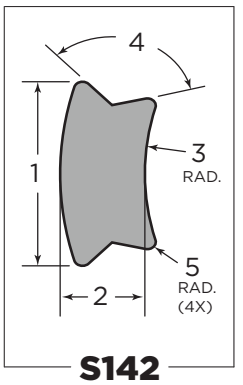
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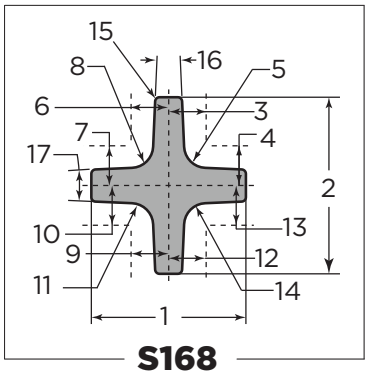
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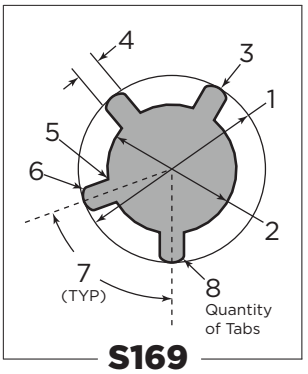
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NOTE: Special considerations may alter price and lead time.

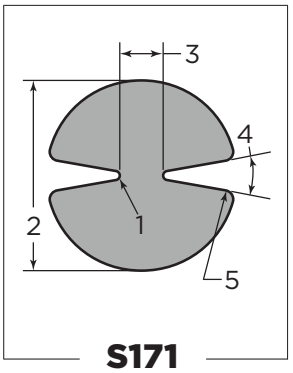
SPECIAL SHAPES — GROUP B



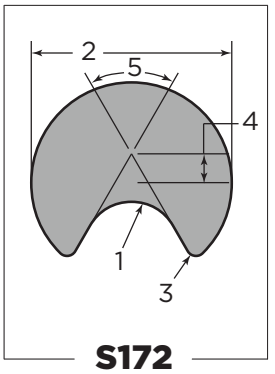
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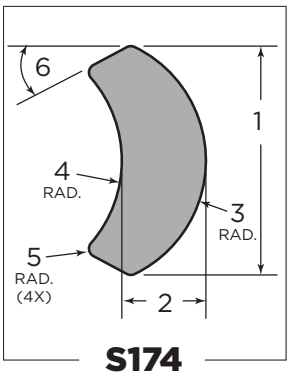
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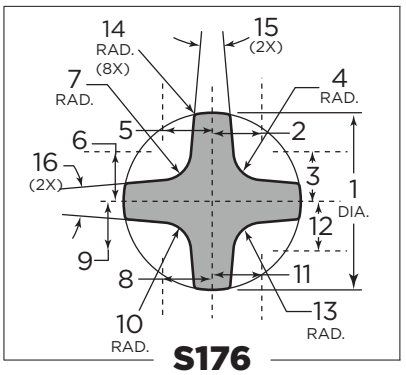
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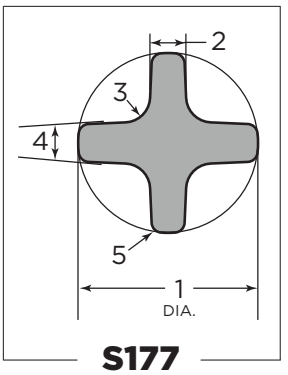
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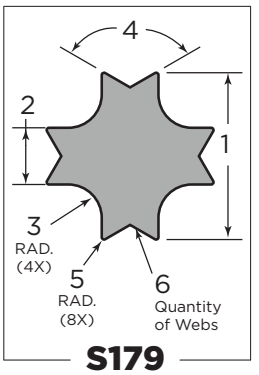
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S176



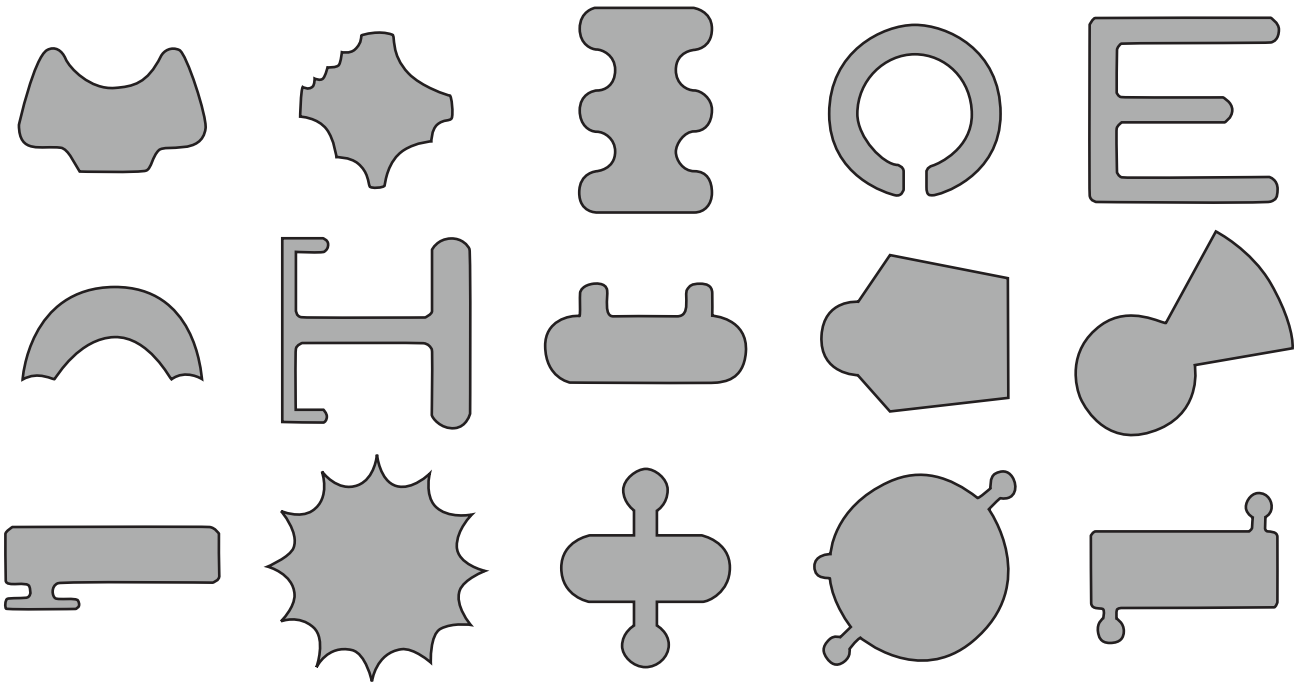
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S179

NOTE: Special considerations may alter price and lead time.

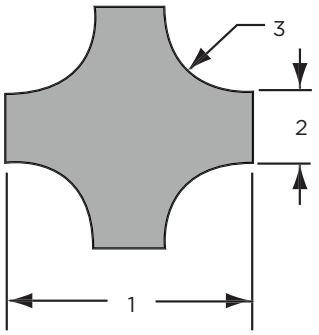
SPECIAL SHAPES — GROUP C



NOTE:
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.

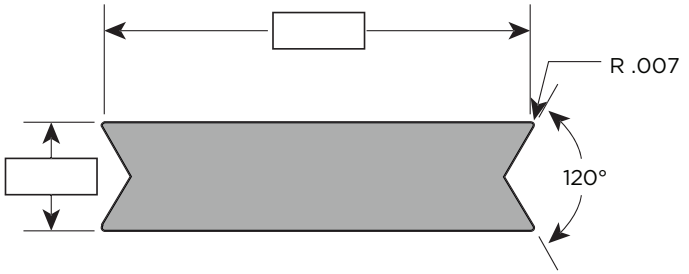
4-WAY RADIUS TOOLS

STANDARD SIZES



4-WAY RADIUS TOOLS — STANDARD SIZES			
RADIUS mm	DIM. 1 mm	DIM. 2 mm	DIM. 3 mm
1.58	1.58	6.35	1.58
2.39	2.39	6.35	2.39
3.18	3.18	6.35	3.18
3.96	3.96	6.35	3.96
4.78	4.78	6.35	4.78
6.35	6.35	6.35	6.35
7.93	7.93	6.35	7.93
9.53	9.53	6.35	9.53
12.7	12.7 Ø	6.35	12.7

INVERTED DIAMOND



HAND TOOLS

MAGNET SQUARE



- ON/OFF work holding magnet 70 kg of hold force.
- Size: 30mm Square

Catalog No. 974150

SAE HEX KEY WRENCH SET



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

Catalog No. 6057

OIL STONE



100mm x 13mm 3 square aluminium oxide sharpening stone.

Catalog No. 6060

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.

Catalog No. 24307

DIAMOND FILE



16cm industrial file. Plated with finely selected diamond powder, 120-140 mesh. Can be used on hardened tool steel.

Catalog No. 6059

SOFT FACE HAMMER



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

Catalog No. 6106

T-HANDLE EXTRACTOR



Used for large station guide assemblies.

Catalog No. 6483

TRU-ARC PLIERS



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

Catalog No. 6056

SPANNER WRENCH



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

Catalog No. 6058

DIGITAL MEASURING EQUIPMENT

DIGITAL ANGLE CUBE



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.

Catalog No. 974119

ZIP-MAR ADHESIVE DISCS

ZIP-MAR™ ADHESIVE DISCS



Zip Mar™ reduces the costly marking 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		6084
C		6085
D		6086
E		6087
Sheet	15.2cm x 30.5cm]	6108

TOOL STORAGE | SHEAR GRINDING FIXTURE

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
A Station Die Adapter	6043
B Station Tooling Punch and Die Holder	6042
A Station Die Adapter	6088
C, D and E Station "Old Style" Punch Holder	6039
"Series 80/90" Tooling Punch Holder	6040
Dura-Blade Grinding Fixture	6932
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

ALIGNMENT TOOLS | BALL RIDING | BRUSH DIE

SINGLE TRACK MACHINE ALIGNMENT TOOLS FOR AMADA® MACHINES



One tool is required to align each station.

STATION	UPPER CAT. NO.	LOWER CAT. NO.
12.7mm (A)	2597	2598
31.75mm (B)	2599	495

MULTIPLE TRACK MACHINE ALIGNMENT TOOLS FOR AMADA® MACHINES



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

*NOTE: Two of each Cat. No. required

STATION	CAT. NO.
12.7mm (A)	2601*
31.75mm (B)	2602*

ALIGNMENT TOOLS



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

STATION	UPPER CAT. NO.	LOWER CAT. NO.
50.8mm (C)	1840	1841
88.9mm (D)	1947	1948
114.3mm (E)	1949	1950
152.4mm (F)	2290	2291

BALL RIDING DIE



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
- Damage to die inserts when the die cap receives uneven loading.

OAH = 33.73mm

STATION	CAT. NO.
12.7mm (A)	2375
31.75mm (B)	482
50.8mm (C)	13591
88.9mm (D)	13592
114.3mm (E)	13593

BRUSH DIE



Primarily used in applications where any marking that might be caused by ball riding dies is not acceptable.

STATION	CAT. NO.
12.7mm (A)	2760
31.75mm (B)	2761
50.8mm (C)	2762
88.9mm (D)	2763
114.3mm (E)	2764

TOOL STORAGE

The right tools, right where you need them

The Wilson tool cabinet XSC guarantees maximum organisation with minimum space requirements. Thanks to vertical drawers, the tools are always ready to hand.

- Ease of access from both sides.
- Perfectly tailored fittings ensure protective storage with an optimum use of space.
- Maximum payload of up to 4,500 kg per cabinet (up to 900 kg per drawer) thanks to extremely robust plastic rollers.
- Transport notches for lift trucks or carts enable quick transport when empty.



HOW TO PICK THE RIGHT CABINET FOR YOU

Key Code: X S C X Y Z

XSC - XTREME STORAGE CABINETS		
X	Y	Z
Defines the numbers of **drawers**	Defines the **height** of cabinet	Defines the **depth** of the cabinet
3 Vertical drawers [3]	Small - 1240mm [1]	Standard - 1050 mm [1]
5 Vertical drawers [5]	Medium - 1620 mm [2]	Extra - 1300 mm [2]
	Large - 2140 mm [3]	



Example: XSC 5 (drawers) **2** (1620mm) **1** (1050mm)

Other Examples:

XSC 312 = 3 drawers, small cabinet, extra depth

XSC 521 = 5 drawers, medium cabinet, standard depth

Scan the QR code to watch the video

X-SHARP™ GRINDER



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

THE BENEFITS OF CORRECT AND PROFESSIONAL REGRINDING INCLUDE:

- 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

AUTOMATED TOOL SHARPENING WITH THE X-SHARP™ GRINDER

FIVE STEPS TO A SHARPER EDGE

STEP 1: Load the tool into the chuck

STEP 2: Set the tool style

STEP 3: Set the tool size

STEP 4: Set the amount to grind (in 0.01mm increments)

STEP 5: Touch the start button to sharpen the tool



STEP 1



STEP 2



STEP 3



STEP 4



STEP 5

TECHNICAL SPECIFICATION	
Maximum Tool Diameter	160 mm
Maximum Tool Height	230 mm
Maximum Grind Per Grinding Cycle	0.99 mm
Air Pressure Supply	6 bar
Power Supply	AC415 V 3 ph +N - 50 Hz / 3 x 16 A
Grinding Motor Power	2.2 kW
Wheel Rotation Speed	2800 rpm
Table Motor Power	0.18 kW
Table Rotation Speed	40
Coolant Pump Power	0.16 kW
Coolant Pump Water Flow	Max. 40 l/min

Scan the QR code to watch the video

TOOL MAINTENANCE

THICK/THIN TURRET AND STRIPPIT NYLON VICE JAWS



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

Catalog No. 24001

HP SPRING COMPRESSION KIT



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

Catalog No. 6940

For old style: Cat. No. 8104

ASSEMBLY FIXTURE



Ideal bench mounted aid for assembling and retaining a variety of assemblies.
For C & D Stations.

Catalog No. 24162

RUBBERISED ABRASIVE WHEEL



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

Catalog No. 8050

LUBRICANTS

PUNCH LUBRICANT



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

Catalog No. 6055

SHEET LUBRICANT



- Xcel 1 Liter Spray Bottle
  Catalog No. 24315
- Xcel 5 Liter Concentrate
  Catalog No. 24316

CUT-MAX 570



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

Catalog No. 6941

SURE SHOT SPRAYER



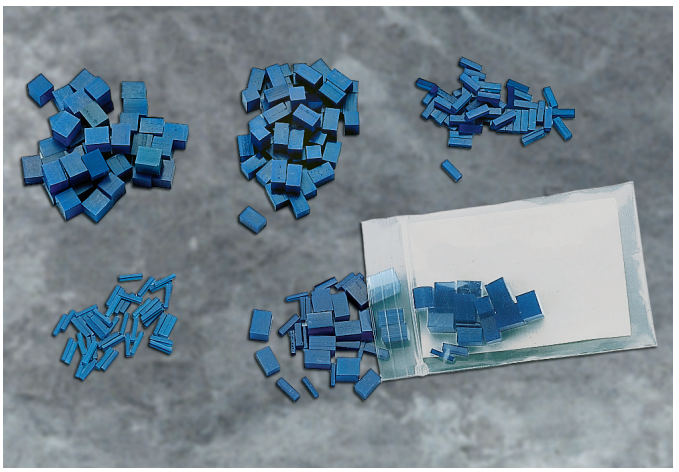
950ML capacity enamel steel sprayer with adjustable plastic nozzle.

Catalog No. 6120

DIE SHIMS

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

SLUG EJECTORS



SLUG EJECTORS SQUARE URETHANE		
HOLE DIAMETER IN PUNCH	QUANTITY	CAT. NO.
3.2mm	50	6116
4.8mm	50	6117
9.5mm	50	6118
12.7mm	50	6119
Assortment	50	6410

ADAPTERS

A STATION TO B STATION ADAPTER	
DESCRIPTION	**CAT. NO.**
Punch & Guide Assembly Adapter (Keyed at 0° & 180°)	2284
Die Adapter	2220
Screw	2119



A to B Station



B STATION TO C STATION ADAPTER	
DESCRIPTION	**CAT. NO.**
Punch & Guide Assembly Adapter	2476
Die Adapter	2475
Screw	6206

B STATION TO D STATION ADAPTER	
DESCRIPTION	**CAT. NO.**
Punch & Guide Assembly Adapter (not shown)	2492
Die Adapter	35058

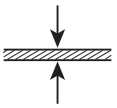


B to C Station



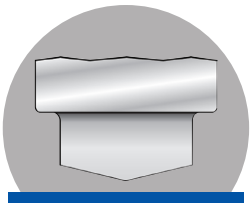
B STATION TO E STATION ADAPTER	
DESCRIPTION	**CAT. NO.**
Punch & Guide Assembly Adapter (not shown)	2680
Die Adapter	2681

MAX. MATERIAL THICKNESS FOR ABOVE ADAPTERS
3.4mm mild steel and aluminium 2.3mm stainless steel



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

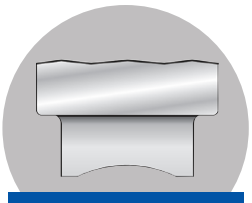
SHEAR OPTIONS



ROOFTOP

\+ Best shear for punching at maximum tonnages.

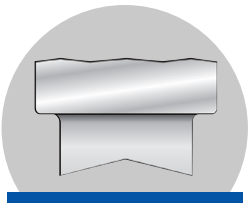
− When nibbling, bite must be 75% of punch dimension or excessive side loading will result.



CONCAVE OR DOUBLE CONCAVE

\+ Best shear for nibbling because it inverts stresses.

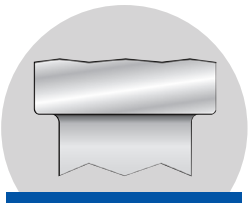
− Less resistant to breakage when punching at high tonnages because of inverted stresses.



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.



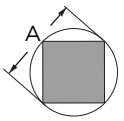
JK SHEAR

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

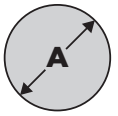
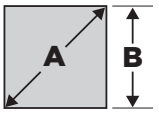
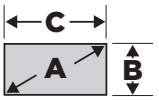
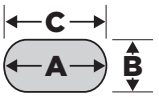
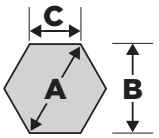
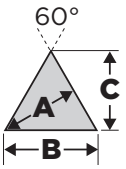
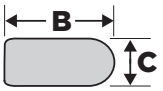
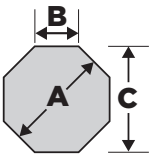
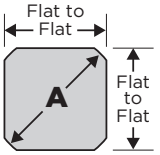
− Can only be used on punches up to 25.4mm diameter or A Dimension.

SPECIAL SHEARS					
STATION	A DIMENSION	INVERTED ROOFTOP SINGLE CONCAVE		DOUBLE VALLEY DOUBLE CONCAVE	
		1.6MM	3.2MM	1.6MM	3.2MM
B	Within 31.75mm		N/A		N/A
C	Within 50.8mm				
D	Within 88.9mm				
E	Within 114.3mm				

JK SHEAR ADD ON	
SHAPE	PRICE
Round	
Rectangle, Square, Hexagon, Single D, Double D	
Obround	

SHEAR DETAILS	A DIMENSION	EXCEPTION	SPECIAL SHEAR DETAILS
• 1.6mm rooftop shear is given to all punches with A Dim (see page 141) greater than 50.8mm and width greater than 6.35mm at no extra charge. • All punches 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.	• If specified: 3.2mm maximum rooftop shear can be given at N/C for any round or shape in C Station, D Station, E Station or F Stations. • Rooftop shear available on any round or shape in A Station or B Station.

CALCULATING YOUR A DIMENSION

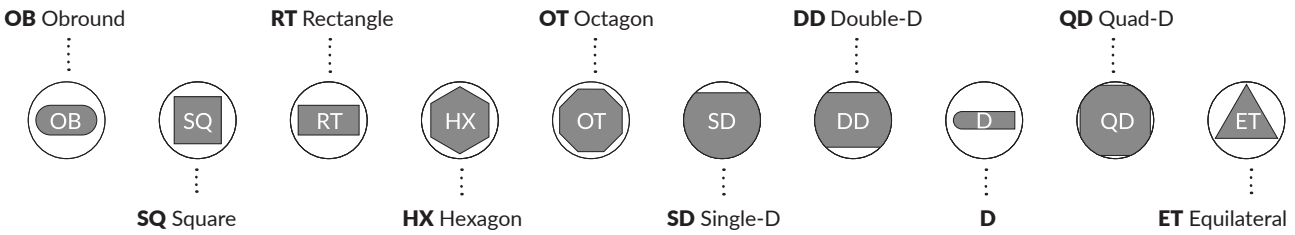
ROUND		**A** = Diameter
SQUARE		**A** = B x 1.414
RECTANGLE		**A** = $\sqrt{B^2 + C^2}$
OBROUND		**A** = C
HEXAGON		**A** = 1.155 x B or **A** = 2 x C
EQUILATERAL		**A** = 1.155 x B or **A** = C
LONG "D"		**A** = $\sqrt{B^2 + C^2}$
OCTAGON		**A** = 1.082 x C or **A** = 2.613 x B
QUAD D		**A** = Diameter

Scan QR Code for Wilson Tool's Standard Shape Dimensions Flyer

REFERENCE

STANDARD SHAPES & KEYING LOCATIONS

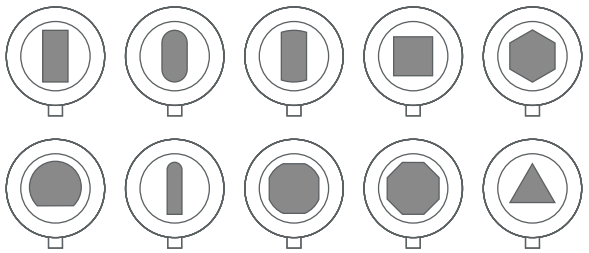
STANDARD SHAPES



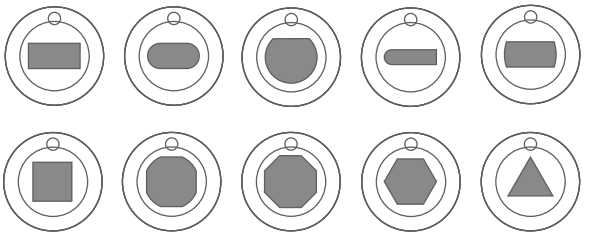
STANDARD KEYING LOCATIONS

PUNCH VIEW

A STATION & B STATION

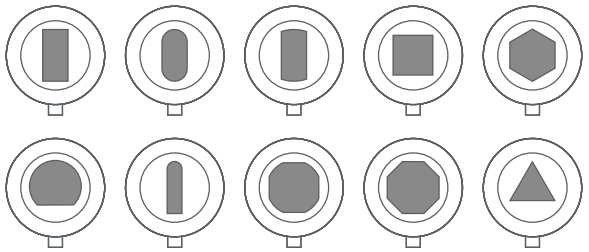


C STATION, D STATION & E STATION

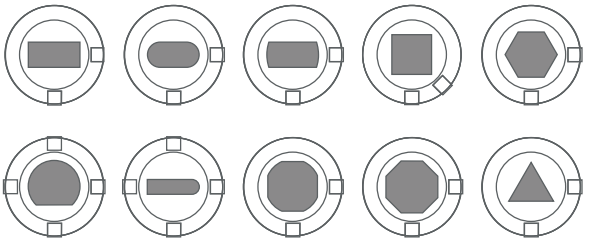


DIE VIEW

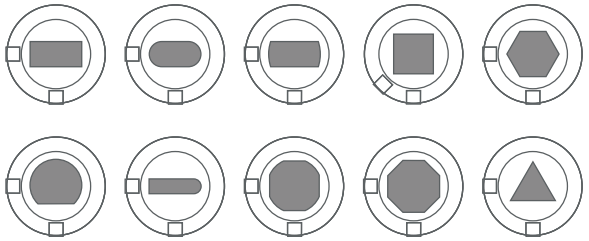
A STATION & B STATION



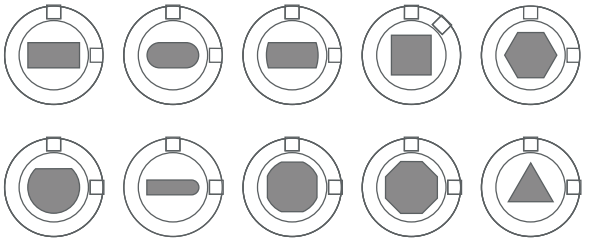
C STATION



D STATION



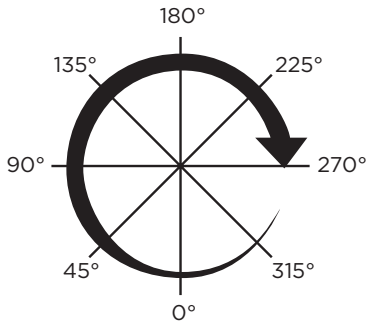
E STATION



REFERENCE

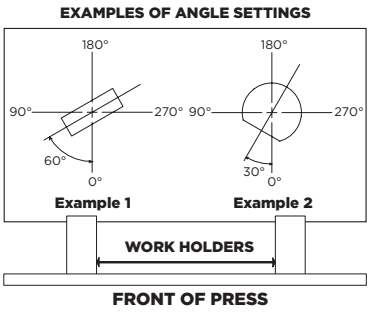
NON-STANDARD KEYING | DIE CLEARANCE ADD–ON CHARGES

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	N/C		N/C
B			–
C			–
D			–
E			–

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

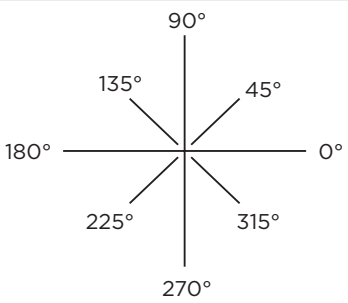
STANDARD KEYING, PLUS EXTRA PINS OR KEYS FOR SHAPES AT OTHER THAN 45° INCREMENTS

STATION	PUNCH	DIE	GUIDE OR STRIPPER
A	–	–	/ key
B	–	–	/ key
C	/ pin	/ key	–
D	/ pin	/ key	–
E	/ pin	/ key	–

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°	–	/ key
B	0° & 45° 0° & 180°		0° & 45° 0° & 180°		/ key
C	45° increments	/ pin	45° increments	/ key	–
D	45° increments	/ pin	45° increments	/ key	–
E	45° increments	/ pin	45° increments	/ key	–

DIE VIEW



Front of Press

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

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%
Aluminium, Soft	5%	10%	15%
Stainless Steel	15%	20%	25%

% x Material Thickness = Total Clearance

NON-STANDARD FEATURES ADD-ON CHARGES

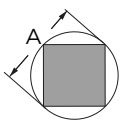
A STATION			
ADD ON FOR ROUNDS			
SMALL DIAMETER	PUNCH	DIE	STRIPPER
0.79 – 1.50mm			N/C
Clearance ≤ 0.10mm			N/C
ADD ON FOR SHAPES			
SMALL WIDTH	PUNCH	DIE	STRIPPER
0.79 – 1.0mm			
Clearance ≤ 0.10mm			N/C

B STATION			
ADD ON FOR ROUNDS			
SMALL DIAMETER	PUNCH	DIE	STRIPPER
0.79 – 1.50mm			N/C
Clearance ≤ 0.10mm			N/C
ADD ON FOR SHAPES			
SMALL WIDTH	PUNCH	DIE	STRIPPER
0.79 – 1.0mm			
Clearance ≤ 0.10mm			N/C

C STATION			
ADD ON FOR ROUNDS			
SMALL DIAMETER	PUNCH	DIE	STRIPPER
25.4mm		N/C	N/C
Clearance ≤ .10mm			N/C
ADD ON FOR SHAPES			
SMALL WIDTH	PUNCH	DIE	STRIPPER
0.79 – 1.0mm			
A Dim. < 29.21mm		N/C	N/C
Clearance ≤ 0.10mm			N/C

D STATION			
ADD ON FOR ROUNDS			
SMALL DIAMETER	PUNCH	DIE	STRIPPER
<48.26mm		N/C	N/C
Clearance ≤ 0.10mm			N/C
ADD ON FOR SHAPES			
SMALL WIDTH	PUNCH	DIE	STRIPPER
0.79 – 1.0mm			
A Dim. < 48.26mm		N/C	N/C
Clearance ≤ 0.10mm			N/C

E STATION			
ADD ON FOR ROUNDS			
SMALL DIAMETER	PUNCH	DIE	STRIPPER
<86.36mm		N/C	N/C
Clearance ≤ 0.10mm			N/C
ADD ON FOR SHAPES			
SMALL WIDTH	PUNCH	DIE	STRIPPER
0.79 – 1.0mm			
A Dim. < 86.36mm		N/C	N/C
Clearance ≤ 0.10mm			N/C

MAXIMUM A DIMENSION	NOTES
	Additional cost to round or shape punch for: • Extra straight before radius • Extra back taper • No back taper

NOTE: See page 113 for help calculating your A Dimension

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2026

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