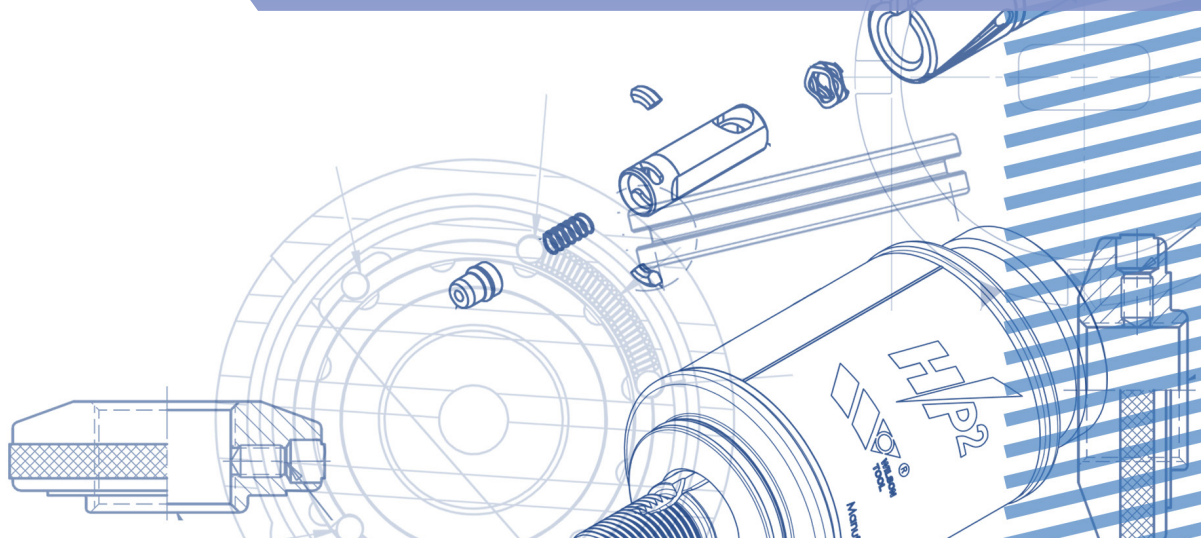




THICK TURRET TOOLING SOLUTIONS

Standards, Specials and Accessories



METRIC STYLE

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Prices and product availability are subject to change without notice.

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THE WILSON TOOL DIFFERENCE



COMPANY OVERVIEW

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

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

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

Sincerely,

Brian Robinson
Wilson Enterprises

The Wilson Tool Punching Division continues to drive the industry with new levels of quality, delivery service and innovation.

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

PUNCHING



BENDING

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

Whether you use European, Wila/Trumpf style precision tooling or conventional style tooling, Wilson Tool has a solution for you.

Our clamping options cover these styles as well. With hydraulic push button options, quick release mechanical options, or standard manual clamps, Wilson Tool has a clamping solution for any style of machine or budget. And our custom tooling manufacturing capabilities have quickly become the envy of the industry with innovative solutions for very complex bending challenges.

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

Innovative products such as our Accu-Lock retainer inserts, and extensive coating options combined with our world-class customer service have enabled us to quickly grow into a world-class provider.

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

STAMPING



ACCESSORIES

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

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



METRIC THICK TURRET TOOLING



HPX



HP2



basix

METRIC THICK TURRET TOOLING



METRIC STYLE TOOLING SOLUTIONS

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

A

METRIC STYLE



PUNCH AND GUIDE ASSEMBLY



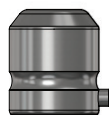
GUIDE



EXP PUNCH



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14936	410,70 €
Shape	14937	452,70 €
Optima® Coating		14,80 €
SPRING PACK ASSEMBLY	CAT. NO.	PRICE
Spring Pack Assembly only	14366	165,70 €
GUIDE	CAT. NO.	PRICE
Round	14076X	105,40 €
Shape 0°	14077X	153,30 €
Shape 0° & 45°	14079X	153,30 €
Shape 0° & 90°	14078X	153,30 €
PUNCH	CAT. NO.	PRICE
Round	13904	45,70 €
Shape	13905	73,40 €
Optima® Coating		14,80 €
STRIPPER	CAT. NO.	
Round	13045	17,90 €
Shape	13152	40,80 €
DIE	CAT. NO.	
Round Slug Hugger®*	2192	52,70 €
Round Standard	1808	28,30 €
Shape Slug Hugger®*	2193	96,00 €
Shape Standard	13801	63,80 €
Ultima® Add on		25,70 €
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.		
DIE SHIM	CAT. NO.	
0.25 mm single	2101	1,70 €
0.76 mm single	2721	1,70 €
1.50 mm single	2104	1,70 €
0.25 mm pack of 25	2208	30,80 €
0.76 mm pack of 25	2722	30,80 €
1.50 mm pack of 25	2172	30,80 €

Additional charges may apply to non-standard features.



See this tool in action on the
Wilson Tool YouTube Channel

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



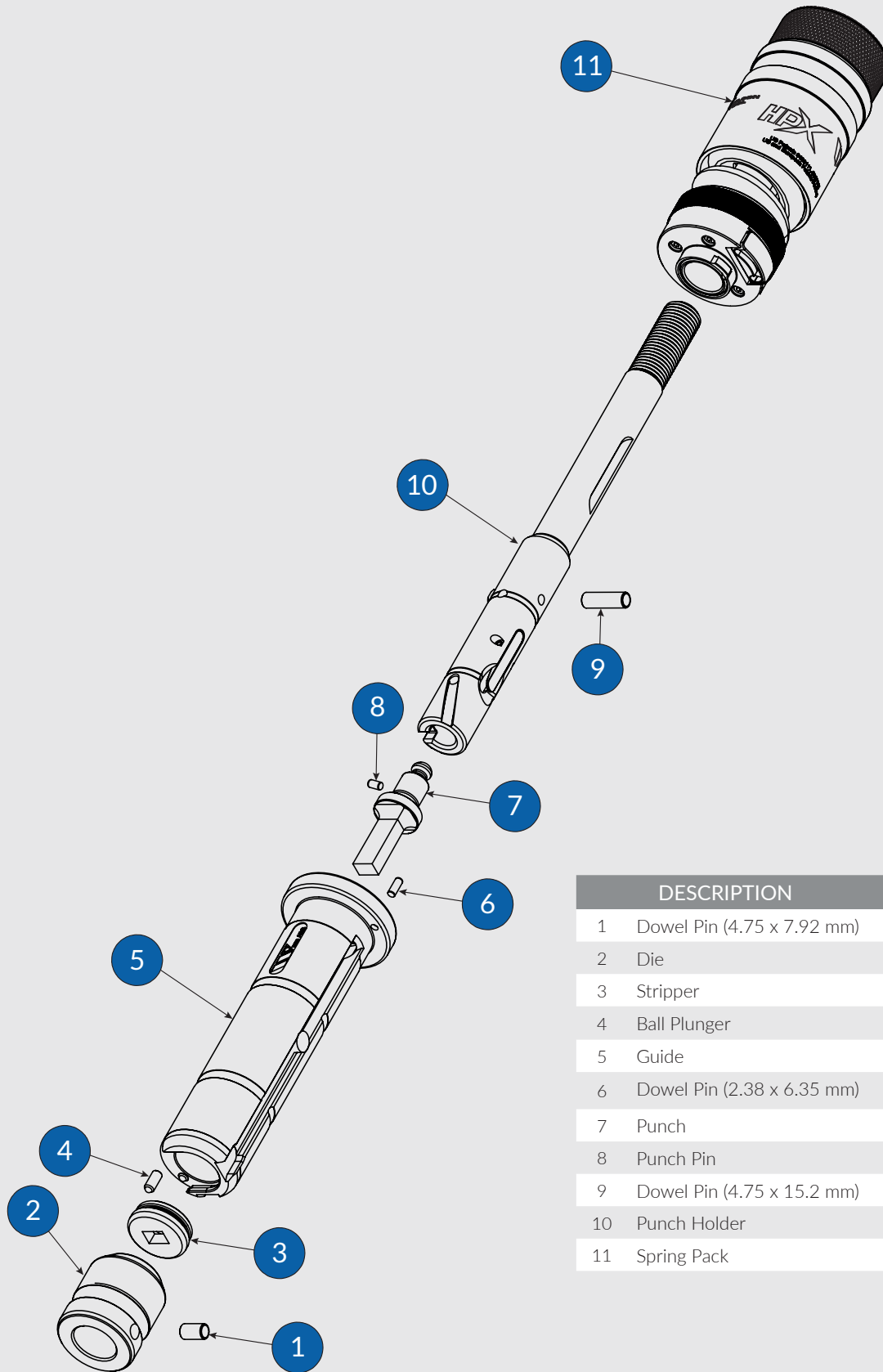
LD



OB



DD



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

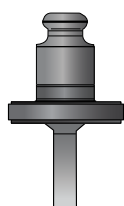




PUNCH AND GUIDE
ASSEMBLY



GUIDE



EXP PUNCH



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14939	537,70 €
Shape	14940	605,40 €
Optima® Coating		26,10 €
SPRING PACK ASSEMBLY	CAT. NO.	
Spring Pack Assembly only	14367	187,60 €
GUIDE	CAT. NO.	
Round	14084X	138,00 €
Shape 0°	14085X	180,00 €
Shape 0° & 45°	14087X	180,00 €
Shape 0° & 90°	14086X	180,00 €
PUNCH	CAT. NO.	
Round	13916	63,70 €
Shape	13917	106,00 €
Optima® Coating		26,10 €
STRIPPER	CAT. NO.	
Round	2433	16,40 €
Shape	2432	55,30 €
DIE	CAT. NO.	
Round Slug Hugger®*	2194	54,90 €
Round Standard	2021	28,90 €
Shape Slug Hugger®*	2195	116,20 €
Shape Standard	13804	74,40 €
Ultima® Add on		33,20 €
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.		
DIE SHIM	CAT. NO.	
0.25 mm single	2097	2,00 €
0.76 mm single	2723	2,00 €
1.50 mm single	2100	2,00 €
0.25 mm pack of 25	2209	32,50 €
0.76 mm pack of 25	2724	32,50 €
1.50 mm pack of 25	2173	32,50 €
Additional charges may apply to non-standard features.		



See this tool in action on the
Wilson Tool YouTube Channel

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



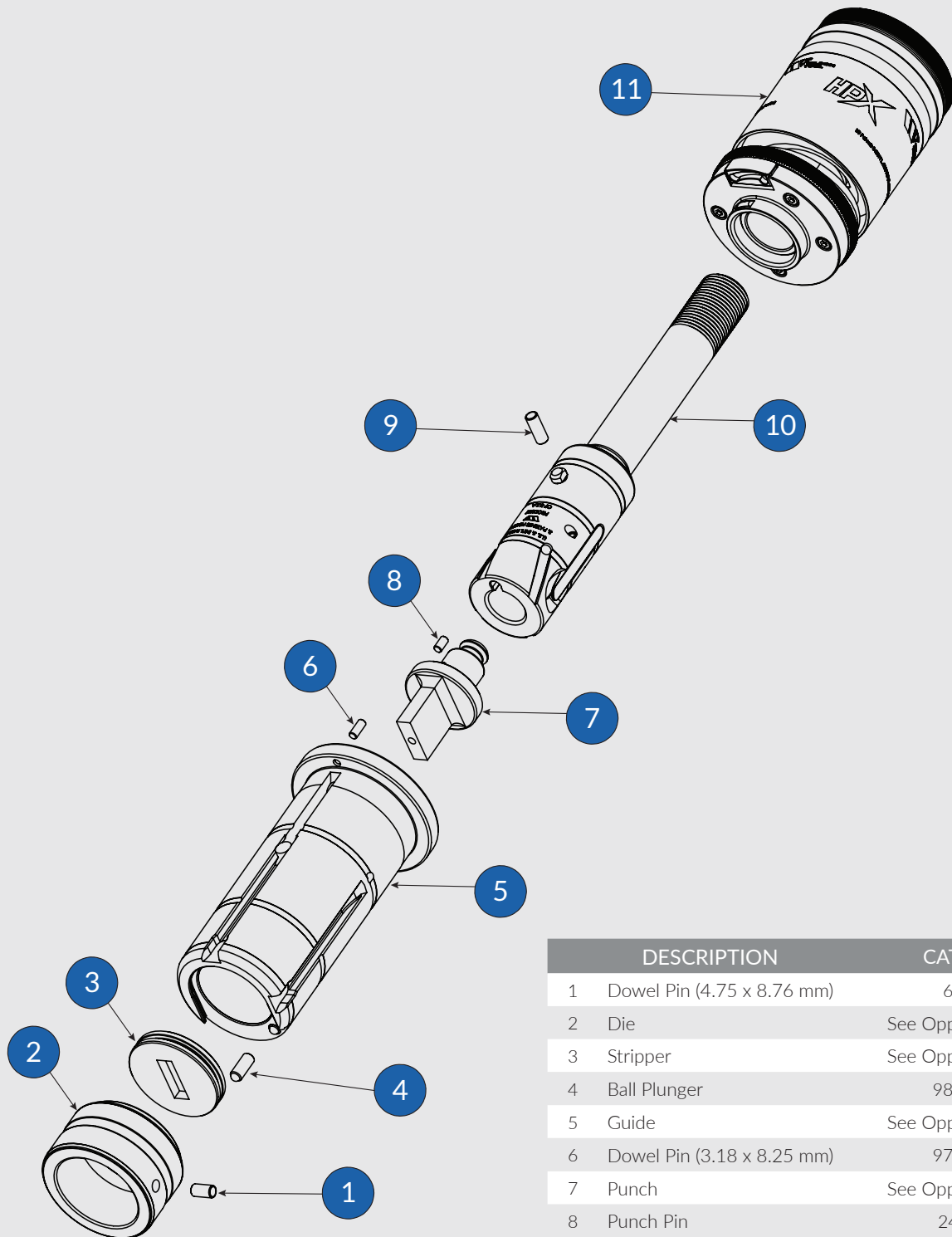
LD



OB



DD



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



A

METRIC STYLE



METRIC PUNCH HOLDER

Compatible with Metric Style Punch and Guide Assemblies

	CAT. NO.	PRICE
Round	14905*	146,90 €
Shape	14903	157,50 €



METRIC ABS/WLS PUNCH HOLDER

Compatible with Metric Style Punch and Guide Assemblies

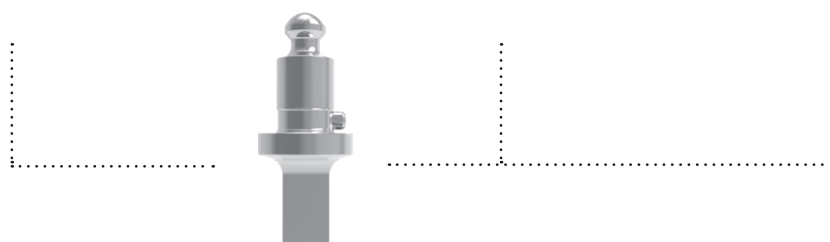
	CAT. NO.	PRICE
Round	14909*	160,80 €
Shape	14907	164,20 €



ULTRA PUNCH HOLDER

Compatible with Ultra Punch and Guide Assemblies

	CAT. NO.	PRICE
Ultra	15575	160,80 €



EXP™ PUNCH

Compatible with all punch holders above

	CAT. NO.	PRICE
Round	13904	45,70 €
Shape	13905	73,40 €
Optima® Coating		14,80 €



See this tool in action on the Wilson Tool YouTube Channel

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



LD



OB



DD

**METRIC PUNCH HOLDER**

Compatible with Metric Style Punch and Guide Assemblies

	CAT. NO.	PRICE
Round	14927*	188,80 €
Shape	14925	202,80 €

METRIC ABS/WLS PUNCH HOLDER

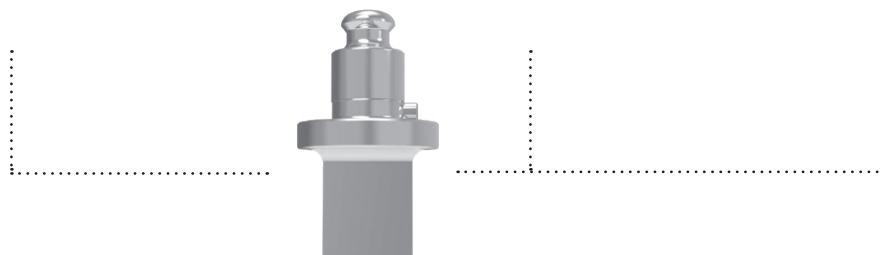
Compatible with Metric Style Punch and Guide Assemblies

	CAT. NO.	PRICE
Round	14931*	211,70 €
Shape	14929	218,30 €

ULTRA PUNCH HOLDER

Compatible with Ultra Punch and Guide Assemblies

	CAT. NO.	PRICE
Ultra	15577	194,30 €

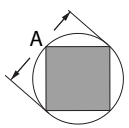
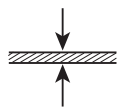
**EXP™ PUNCH**

Compatible with all punch holders above

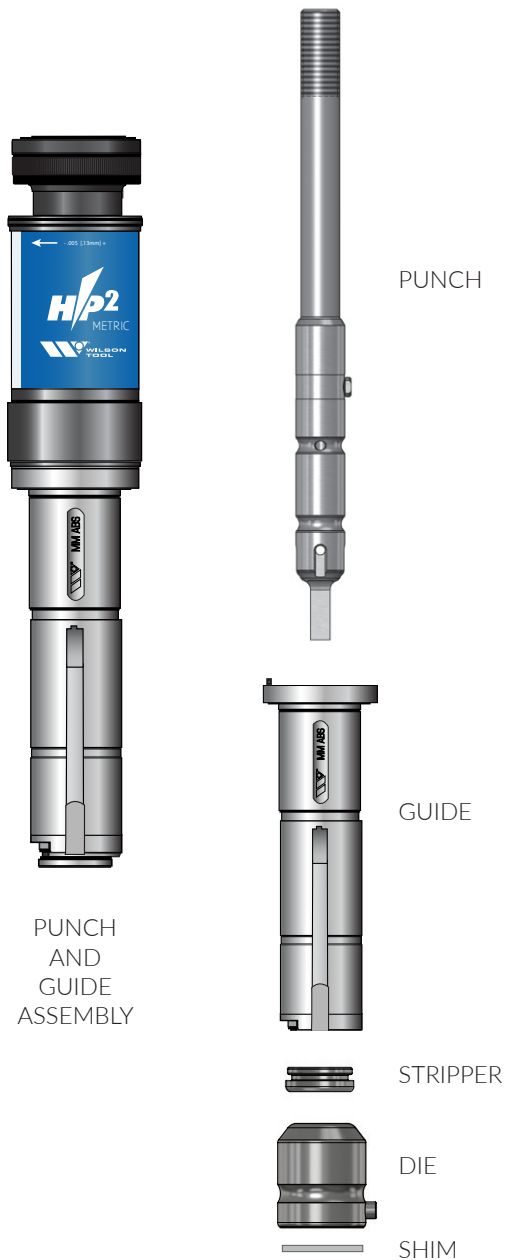
	CAT. NO.	PRICE
Round	13916	63,70 €
Shape	13917	106,00 €
Optima® Coating		26,10 €



See this tool in action on the Wilson Tool YouTube Channel

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



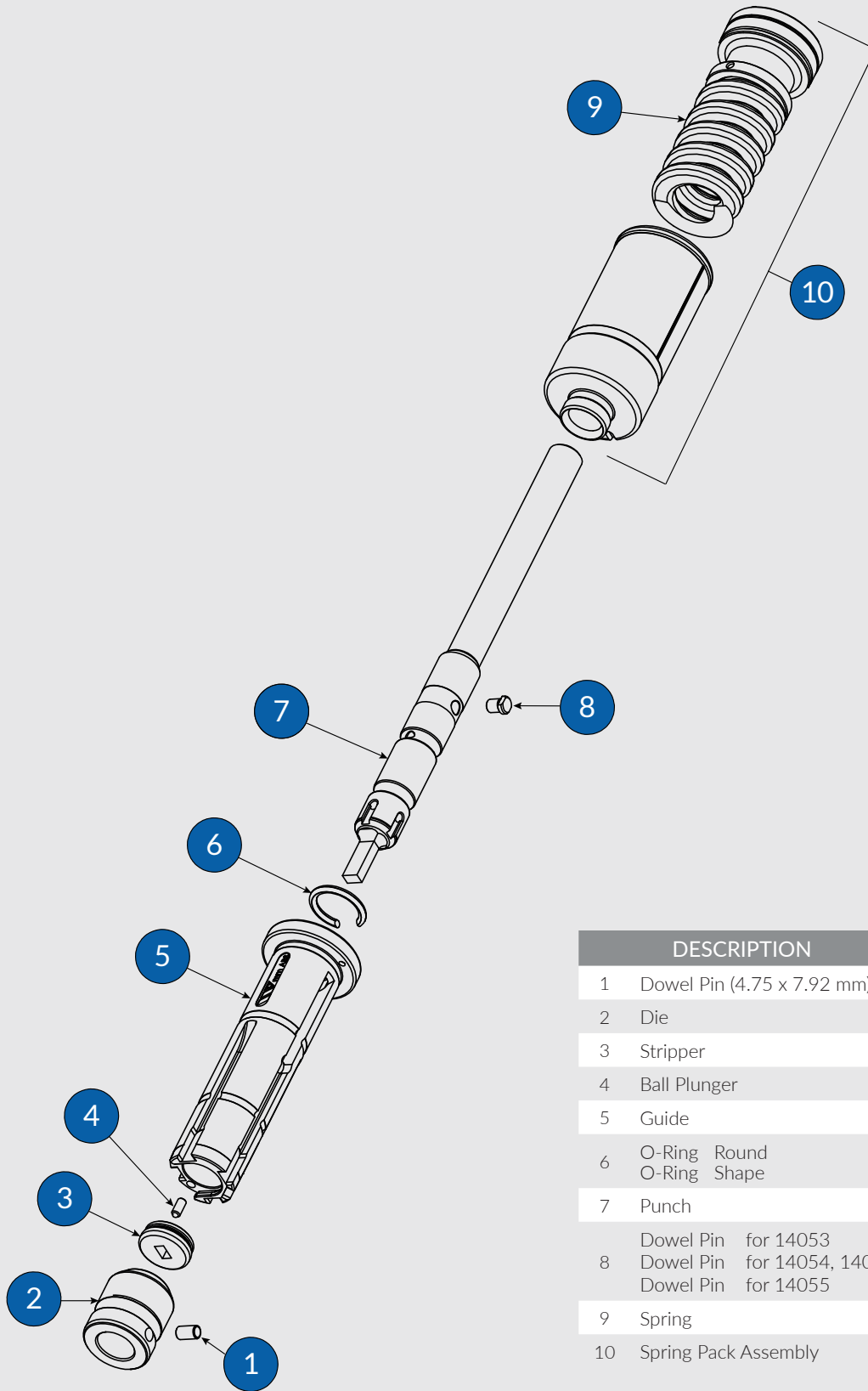


PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	14052	274,90 €	14054	374,10 €
Shape	14053	411,50 €	14055	497,70 €
Optima® Coating		28,00 €		28,00 €
Spring Pack Assembly	14153	152,80 €	14153	152,80 €
PUNCH	CAT. NO	PRICE	CAT. NO.	PRICE
Round, pinned **	14048	40,30 €	13869	58,40 €
Shape	2182	93,90 €	13870	98,60 €
Optima® Coating		28,00 €		28,00 €
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	14072	70,60 €	14076	105,40 €
Shape 0°	14073	146,10 €	14077	153,30 €
Shape 0° & 45°	14075	146,10 €	14079	153,30 €
Shape 0° & 90°	14074	146,10 €	14078	153,30 €
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13044	14,90 €	13045	17,90 €
Shape	13143	34,00 €	13152	40,80 €
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2192	52,70 €		
Round Standard	1808	28,30 €		
Shape Slug Hugger® *	2193	96,00 €		
Shape Standard	13801	63,80 €		
Ultima® Add on		25,70 €		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2101	1,70 €	
0.76 mm	single	2721	1,70 €	
1.50 mm	single	2104	1,70 €	
0.25 mm	pack of 25	2208	30,80 €	
0.76 mm	pack of 25	2722	30,80 €	
1.50 mm	pack of 25	2172	30,80 €	
Additional charges may apply to non-standard features.				

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

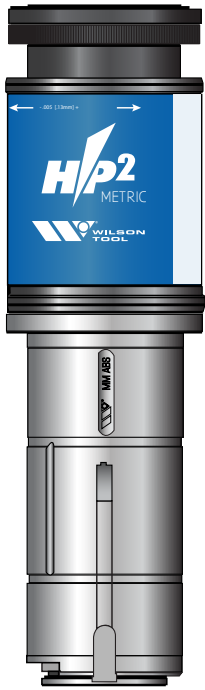
25 STANDARD SHAPES





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





PUNCH
AND
GUIDE
ASSEMBLY



PUNCH

GUIDE

STRIPPER

DIE

SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS	
			CAT. NO.	PRICE
Round	14056	387,40 €	14058	481,10 €
Shape	14057	503,30 €	14059	598,30 €
Optima® Coating		56,00 €		56,00 €
Spring Pack Assembly	14172	175,70 €	14172	175,70 €
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round, pinned **	14049	66,50 €	13871	96,20 €
Shape	2184	121,10 €	13872	127,00 €
Optima® Coating		56,00 €		56,00 €
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	14080	141,50 €	14084	138,00 €
Shape 0°	14081	171,40 €	14085	180,00 €
Shape 0° & 45°	14083	171,40 €	14087	180,00 €
Shape 0° & 90°	14082	171,40 €	14086	180,00 €
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1890	13,70 €	2433	16,40 €
Shape	1917	46,10 €	2432	55,30 €
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2194	54,90 €		
Round Standard	2021	28,90 €		
Shape Slug Hugger® *	2195	116,20 €		
Shape Standard	13804	74,40 €		
Ultima® Add on		33,20 €		
SHIMS	CAT. NO.	PRICE		
0.25 mm single	2097	2,00 €		
0.76 mm single	2723	2,00 €		
1.50 mm single	2100	2,00 €		
0.25 mm pack of 25	2209	32,50 €		
0.76 mm pack of 25	2724	32,50 €		
1.50 mm pack of 25	2173	32,50 €		

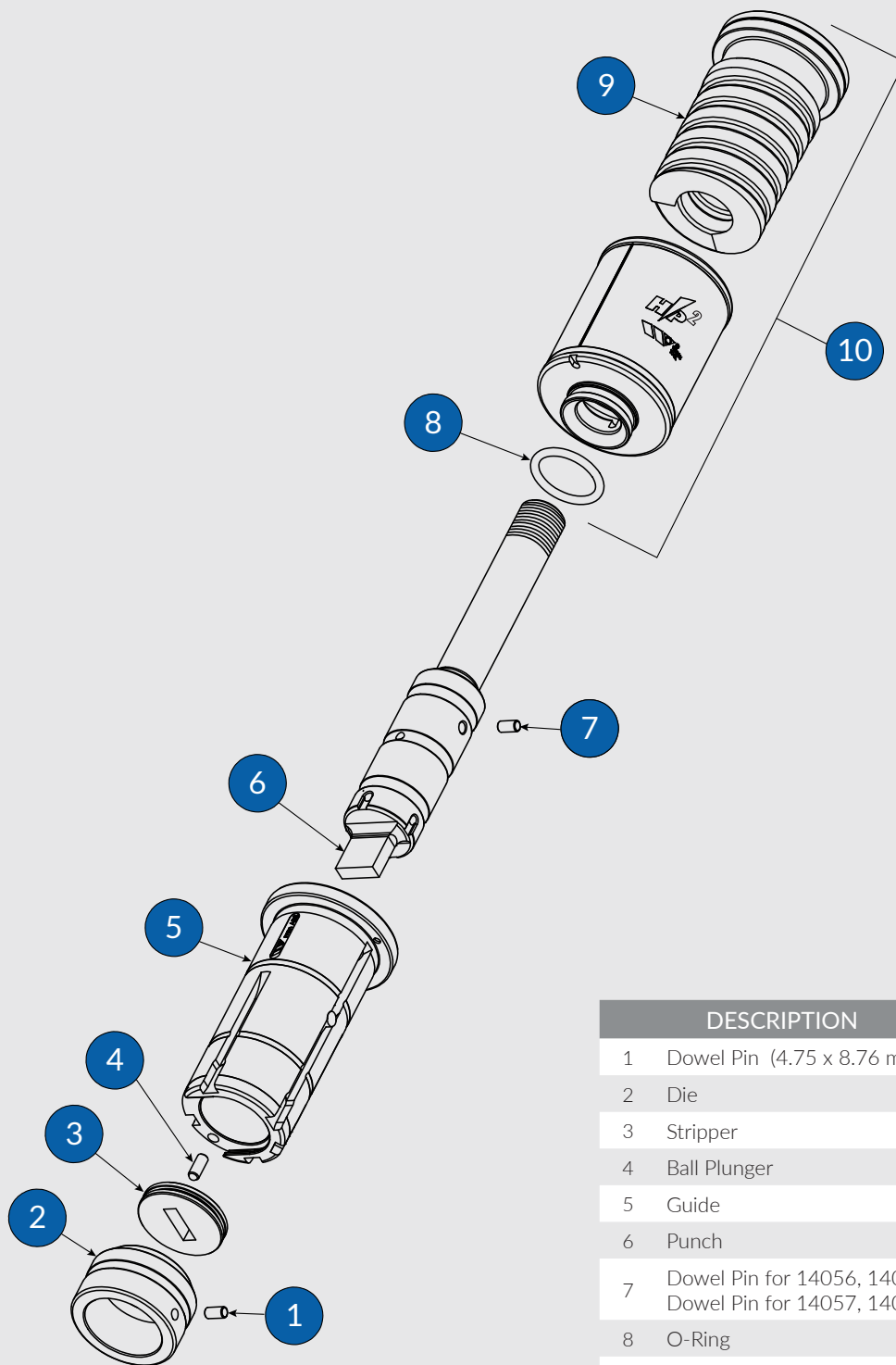
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

Additional charges may apply to non-standard features.

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

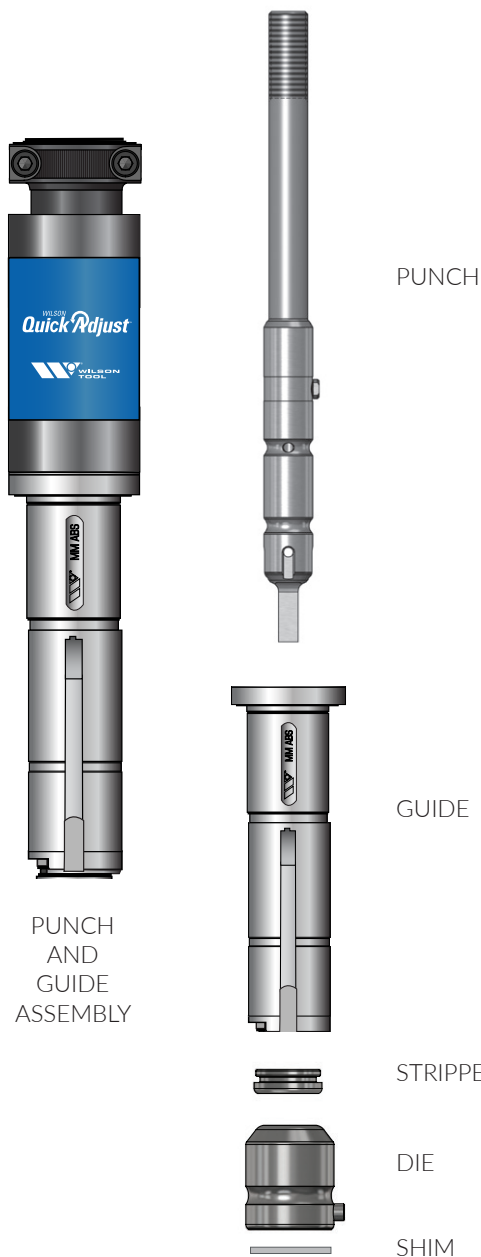
25 STANDARD SHAPES



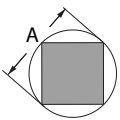
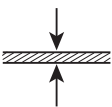


	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin for 14056, 14058 Dowel Pin for 14057, 14059	974189 2131
8	O-Ring	24295
9	Spring	EH200-250
10	Spring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



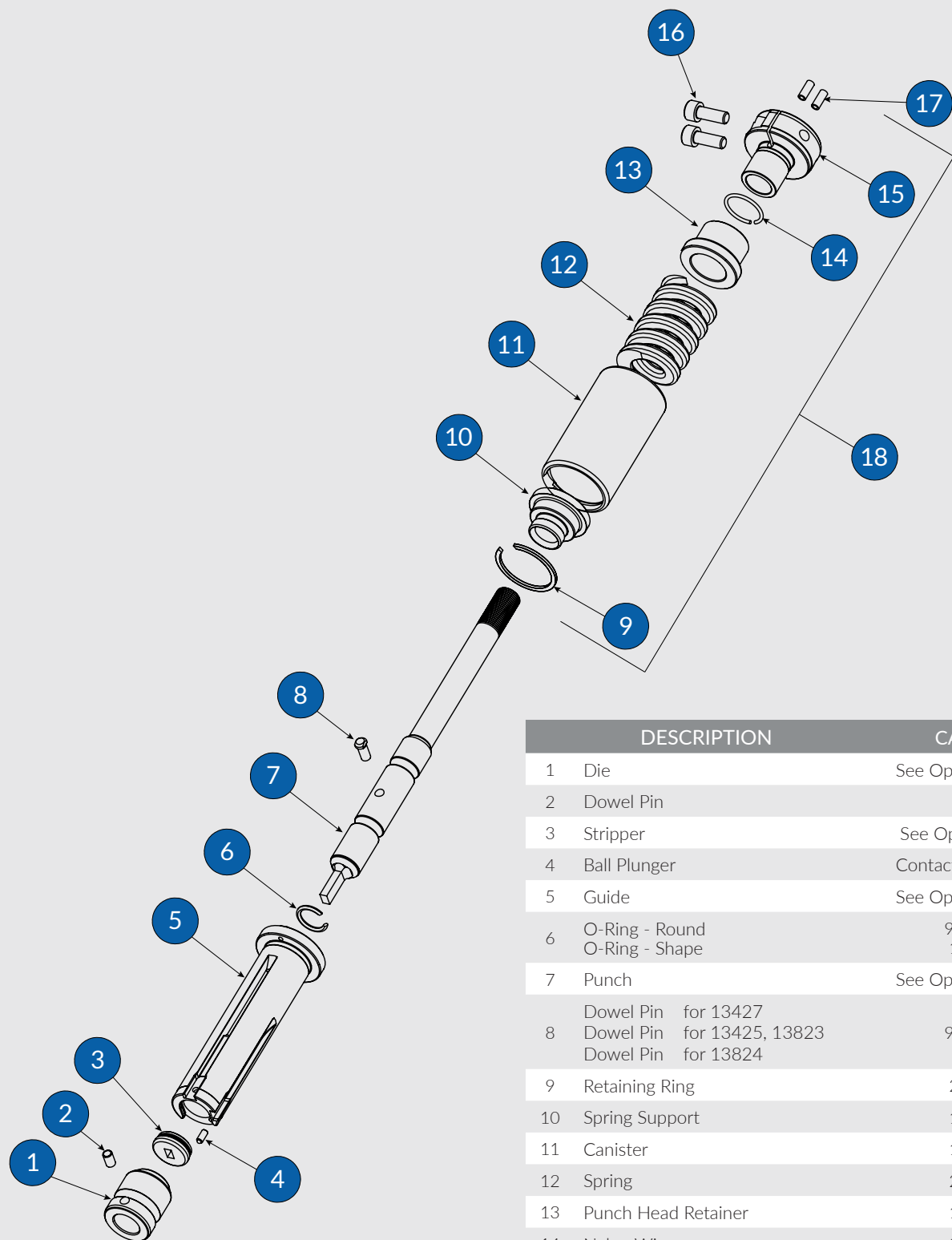


PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13425	282,60 €	13823	381,60 €
Shape	13427	431,00 €	13824	505,20 €
Optima® Coating		28,00 €		28,00 €
PUNCH			CAT. NO.	PRICE
Round	2183	40,30 €	13827	58,40 €
Shape	2182	93,90 €	13870	98,60 €
Optima® Coating		28,00 €		28,00 €
GUIDE			CAT. NO.	PRICE
Round	13065	70,60 €	13073	105,40 €
Shape 0°	13066	146,10 €	13074	153,30 €
Shape 0° & 45°	13067	146,10 €	13075	153,30 €
Shape 0° & 90°	13068	146,10 €	13076	153,30 €
STRIPPER			CAT. NO.	PRICE
Round	13044	14,90 €	13045	17,90 €
Shape	13143	34,00 €	13152	40,80 €
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2192	52,70 €		
Round Standard	1808	28,30 €		
Shape Slug Hugger®*	2193	96,00 €		
Shape Standard	13801	63,80 €		
Ultima® Add on		25,70 €		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM			CAT. NO.	PRICE
0.25 mm single	2101	1,70 €		
0.76 mm single	2721	1,70 €		
1.50 mm single	2104	1,70 €		
0.25 mm pack of 25	2208	30,80 €		
0.76 mm pack of 25	2722	30,80 €		
1.50 mm pack of 25	2172	30,80 €		
Additional charges may apply to non-standard features.				

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

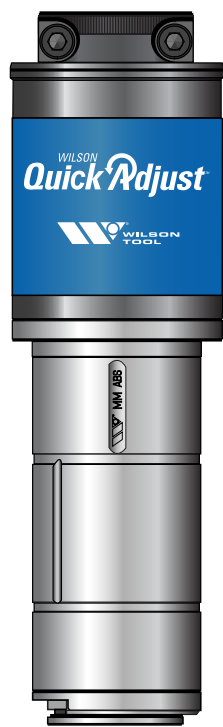
25 STANDARD SHAPES





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





PUNCH
AND
GUIDE
ASSEMBLY



PUNCH

GUIDE

STRIPPER

DIE

SHIM

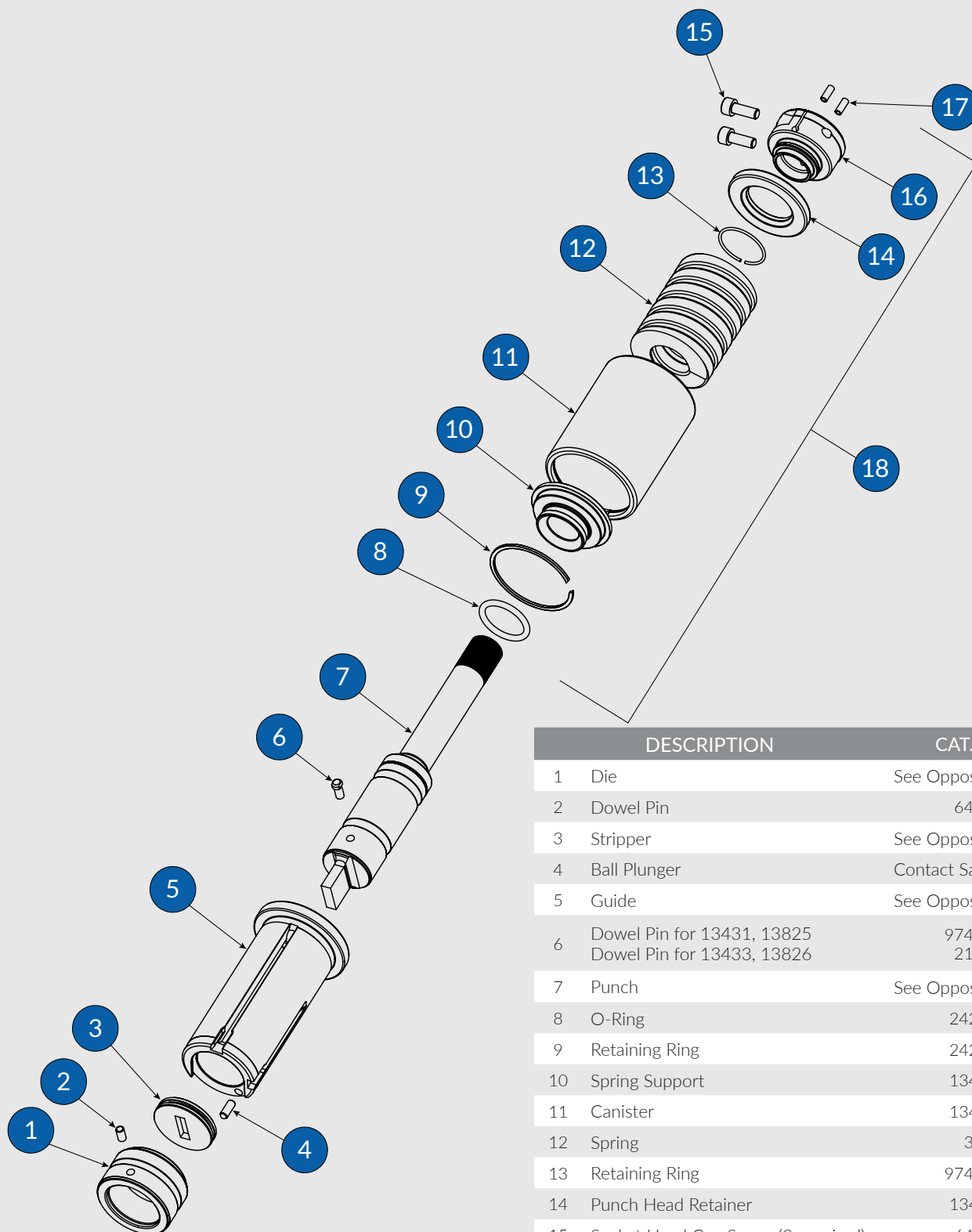
PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13431	386,30 €	13825	475,70 €
Shape	13433	503,70 €	13826	589,60 €
Optima® Coating		56,00 €		56,00 €
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round, pinned **	2185	66,50 €	13828	84,20 €
Shape	2184	121,10 €	13872	127,00 €
Optima® Coating		56,00 €		56,00 €
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13413	141,50 €	13097	138,00 €
Shape 0°	13414	171,40 €	13098	180,00 €
Shape 0° & 45°	13415	171,40 €	13099	180,00 €
Shape 0° & 90°	13416	171,40 €	13100	180,00 €
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1890	13,70 €	2433	16,40 €
Shape	1917	46,10 €	2432	55,30 €
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2194	54,90 €		
Round Standard	2021	28,90 €		
Shape Slug Hugger®*	2195	116,20 €		
Shape Standard	13804	74,40 €		
Ultima® Add on		33,20 €		
* Slug Hugger dies must be ordered punch size plus clearance.				
Size restrictions apply.				
SHIMS	CAT. NO.	PRICE		
0.25 mm single	2097	2,00 €		
0.76 mm single	2723	2,00 €		
1.50 mm single	2100	2,00 €		
0.25 mm pack of 25	2209	32,50 €		
0.76 mm pack of 25	2724	32,50 €		
1.50 mm pack of 25	2173	32,50 €		
Additional charges may apply to non-standard features.				

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



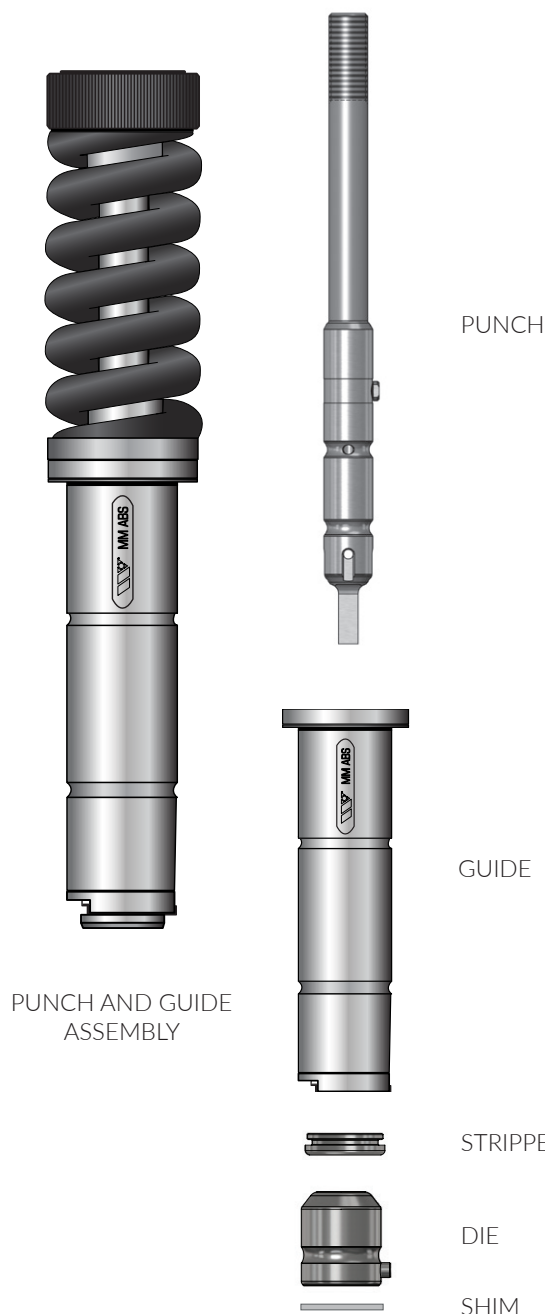


	DESCRIPTION	CAT. NO.
1	Die	See Opposite Page
2	Dowel Pin	6431
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Dowel Pin for 13431, 13825 Dowel Pin for 13433, 13826	974189 2131
7	Punch	See Opposite Page
8	O-Ring	24295
9	Retaining Ring	24294
10	Spring Support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



A

METRIC STYLE

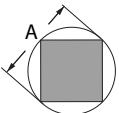
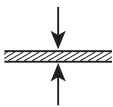


PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13057	153,20 €	13856	231,30 €
Shape	13059	275,30 €	13858	290,40 €
Optima® Coating		28,00 €		28,00 €
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2183	40,30 €	13827	58,40 €
Shape	2182	93,90 €	13870	98,60 €
Optima® Coating		28,00 €		28,00 €
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13065	70,60 €	13073	105,40 €
Shape 0°	13066	146,10 €	13074	153,30 €
Shape 0° & 45°	13067	146,10 €	13075	153,30 €
Shape 0° & 90°	13068	146,10 €	13076	153,30 €
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13044	14,90 €	13045	17,90 €
Shape	13143	34,00 €	13152	40,80 €
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2192	52,70 €		
Round Standard	1808	28,30 €		
Shape Slug Hugger®*	2193	96,00 €		
Shape Standard	13801	63,80 €		
Ultima® Add on		25,70 €		

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

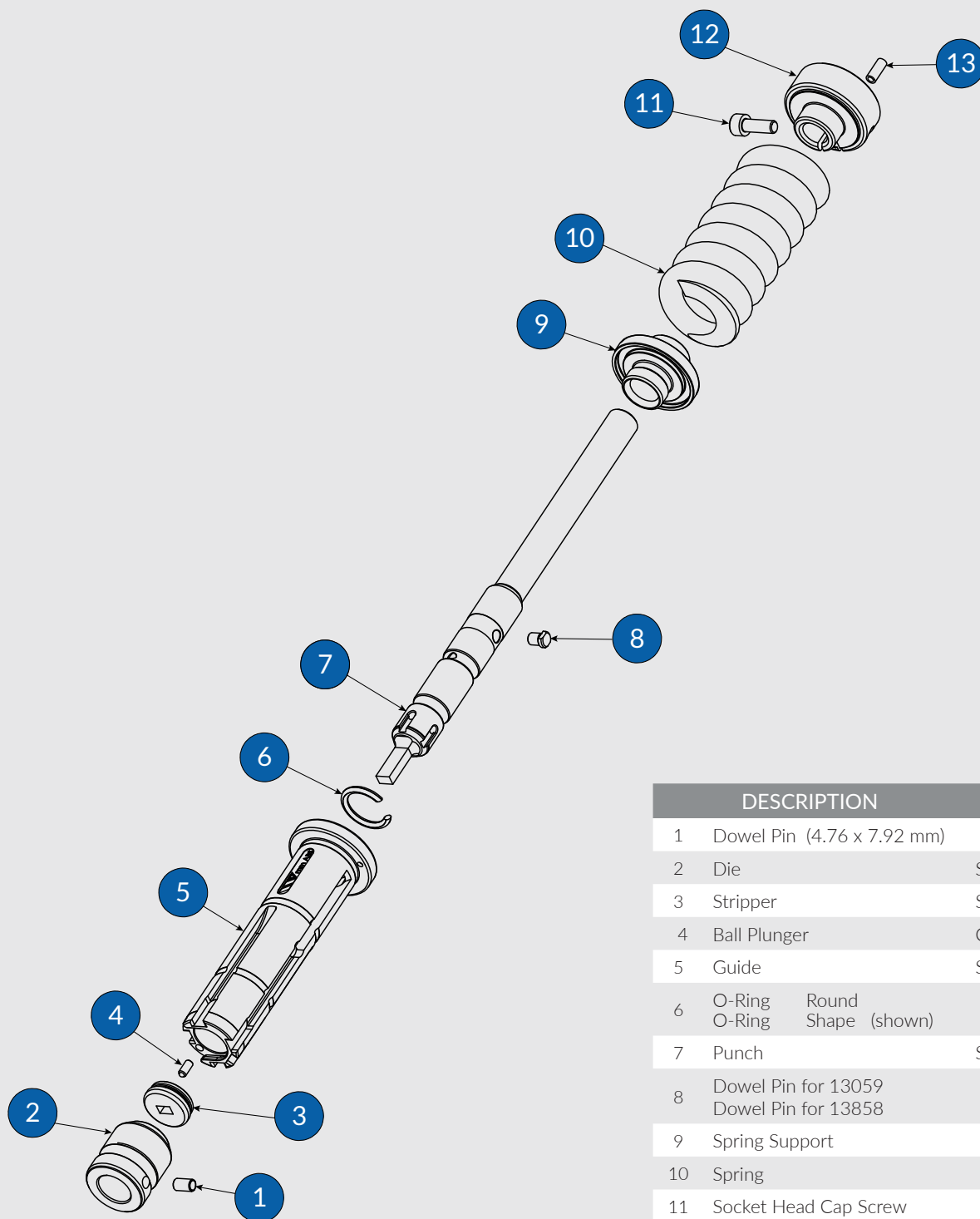
PUNCH SHIM		CAT. NO.	PRICE
1.5 mm	single	13080	1,70 €
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2101	1,70 €
0.76 mm	single	2721	1,70 €
1.50 mm	single	2104	1,70 €
0.25 mm	pack of 25	2208	30,80 €
0.76 mm	pack of 25	2722	30,80 €
1.50 mm	pack of 25	2172	30,80 €

Additional charges may apply to non-standard features.

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

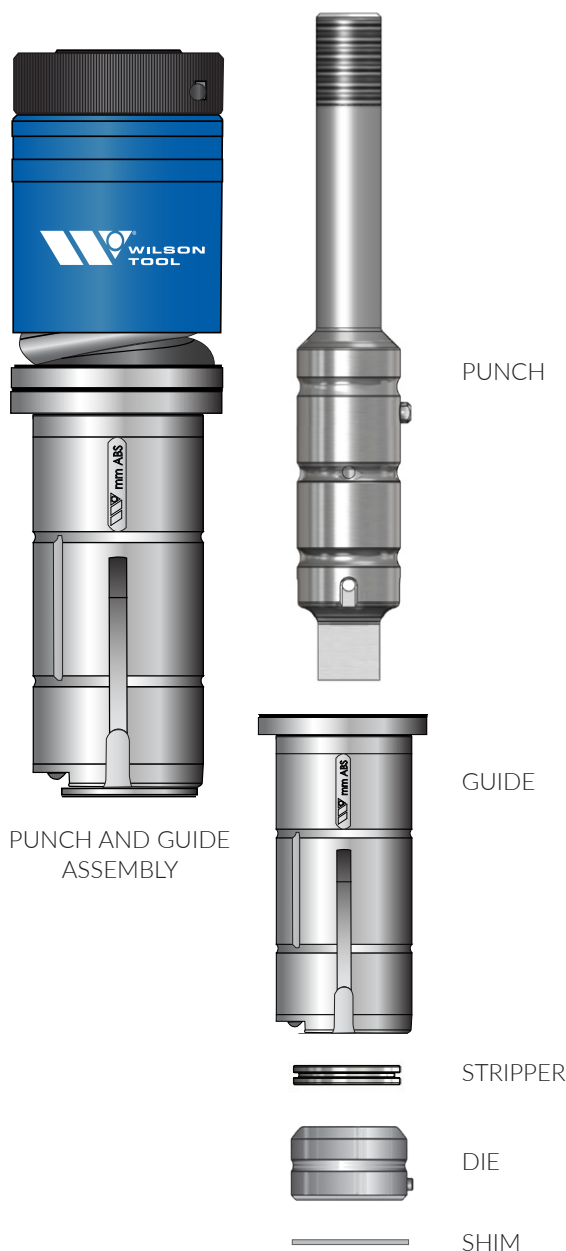
25 STANDARD SHAPES





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



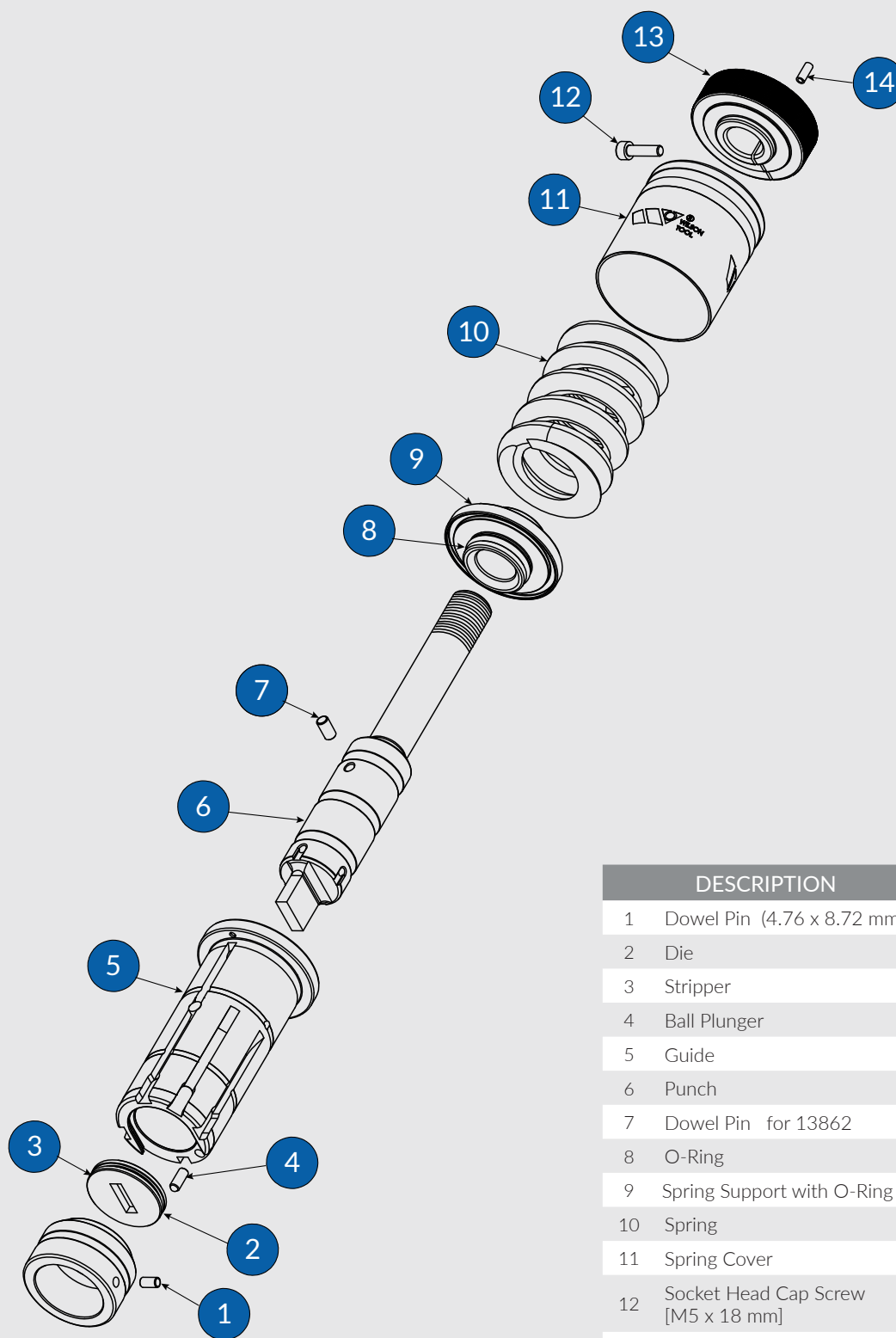


PUNCH AND GUIDE ASSEMBLY			ABS		
	CAT. NO.	PRICE	CAT. NO.	PRICE	
Round	13090	237,70 €	13860	288,30 €	
Shape	13092	365,40 €	13862	389,10 €	
Optima® Coating		56,00 €		56,00 €	
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE	
Round	2185	66,50 €	13828	84,20 €	
Shape	2184	121,10 €	13872	127,00 €	
Optima® Coating		56,00 €		56,00 €	
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE	
Round	13413	141,50 €	13097	138,00 €	
Shape 0°	13414	171,40 €	13098	180,00 €	
Shape 0° & 45°	13415	171,40 €	13099	180,00 €	
Shape 0° & 90°	13416	171,40 €	13100	180,00 €	
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE	
Round	1890	13,70 €	2433	16,40 €	
Shape	1917	46,10 €	2432	55,30 €	
DIE	CAT. NO.	PRICE			
Round Slug Hugger®*	2194	54,90 €			
Round Standard	2021	28,90 €			
Shape Slug Hugger®*	2195	116,20 €			
Shape Standard	13804	74,40 €			
Ultima® Add on		33,20 €			
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.					
PUNCH SHIM		CAT. NO.	PRICE		
1.5 mm	single	152	1,30 €		
1.5 mm	pack of 25	98	24,00 €		
DIE SHIM		CAT. NO.	PRICE		
0.25 mm	single	2097	2,00 €		
0.76 mm	single	2723	2,00 €		
1.50 mm	single	2100	2,00 €		
0.25 mm	pack of 25	2209	32,50 €		
0.76 mm	pack of 25	2724	32,50 €		
1.50 mm	pack of 25	2173	32,50 €		
Additional charges may apply to non-standard features.					

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

25 STANDARD SHAPES

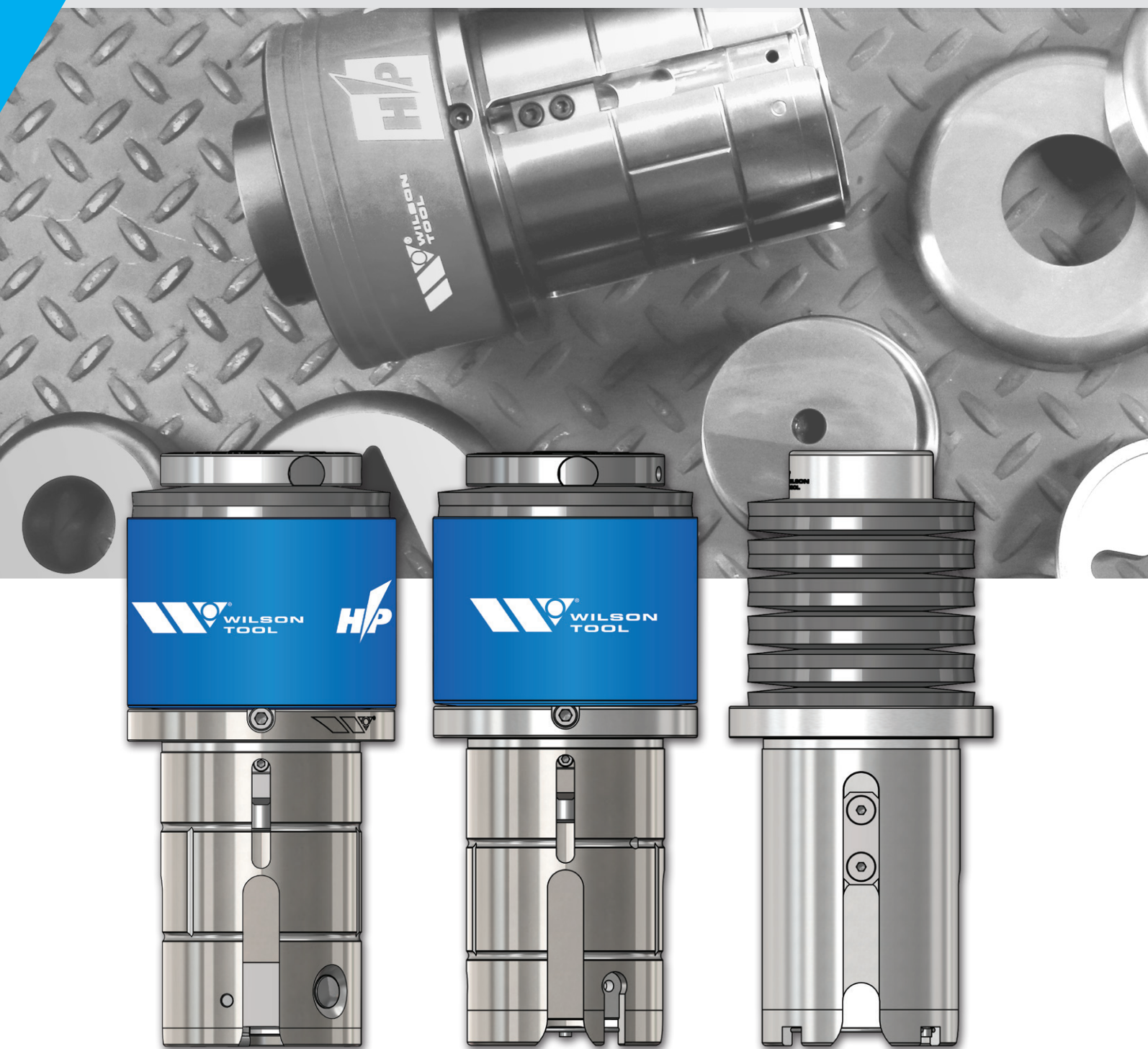




	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.76 x 8.72 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin for 13862	2131
8	O-Ring	24295
9	Spring Support with O-Ring	13411
10	Spring	35122
11	Spring Cover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



METRIC THICK TURRET TOOLING



METRIC THICK TURRET TOOLING

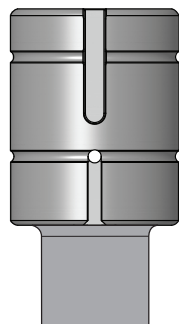


METRIC STYLE TOOLING SOLUTIONS

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



GUIDE
ASSEMBLY



PUNCH



STRIPPER



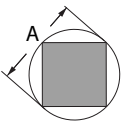
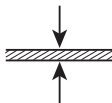
DIE



SHIM

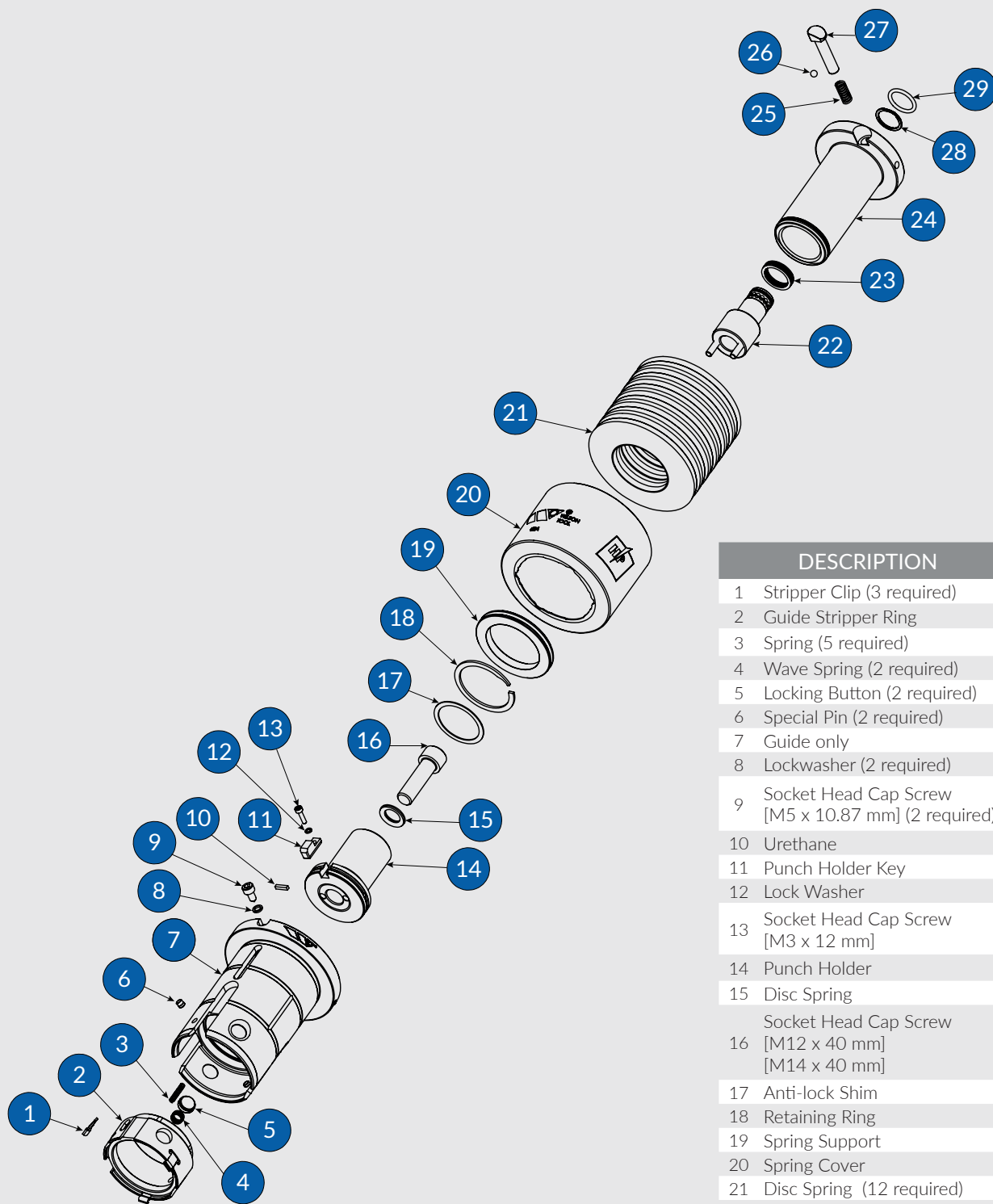
GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS	
			CAT. NO.	PRICE
Assembly	5577	2,004,60 €	13829	2,004,60 €
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1933	107,00 €	13614	167,10 €
Shape	1934	213,90 €	13615	224,00 €
Optima® Coating		95,10 €		95,10 €
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1848	34,30 €	5150	75,90 €
Shape	1854	55,50 €	5151	95,00 €
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2196	143,40 €		
Round Standard	1850	94,70 €		
Shape Slug Hugger®*	2197	258,30 €		
Shape Standard	13807	202,80 €		
Ultima® Add on		80,60 €		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM	CAT. NO.	PRICE		
0.25 mm single	2089	8,80 €		
0.76 mm single	2725	8,80 €		
1.50 mm single	2092	8,80 €		
0.25 mm pack of 10	2210	64,30 €		
0.76 mm pack of 10	2726	64,30 €		
1.50 mm pack of 10	2174	64,30 €		

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



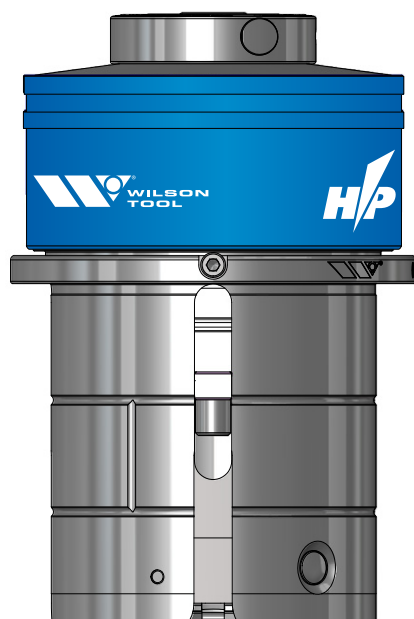


Cat. No. 5509 Guide Unit Assembly includes:
1, 2, 3, 5, 6, 7, 8 & 9

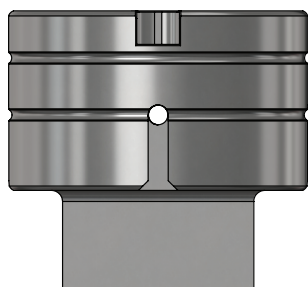
Cat. No. 5724 Driver Assembly includes:
18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29

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





GUIDE ASSEMBLY



PUNCH



STRIPPER



DIE

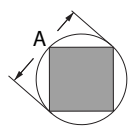
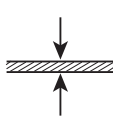


SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5578	2,532,00 €	13830	2,532,00 €
PUNCH			CAT. NO.	PRICE
Round	1937	150,40 €	13616	239,80 €
Shape	1938	291,50 €	13617	330,60 €
Optima® Coating		95,10 €		95,10 €
STRIPPER			CAT. NO.	PRICE
Round	1864	52,80 €	5152	93,90 €
Shape	1869	63,80 €	5153	137,30 €
DIE				
Round Slug Hugger®*	2198	188,80 €		
Round Standard	1865	132,10 €		
Shape Slug Hugger®*	2199	331,40 €		
Shape Standard	13810	281,10 €		
Ultima® Add on		115,70 €		
DIE SHIM				
0.25 mm single	2081	10,20 €		
0.76 mm single	2727	10,20 €		
1.50 mm single	2084	10,20 €		
0.25 mm pack of 5	2211	45,30 €		
0.76 mm pack of 5	2728	45,30 €		
1.50 mm pack of 5	2175	45,30 €		

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

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



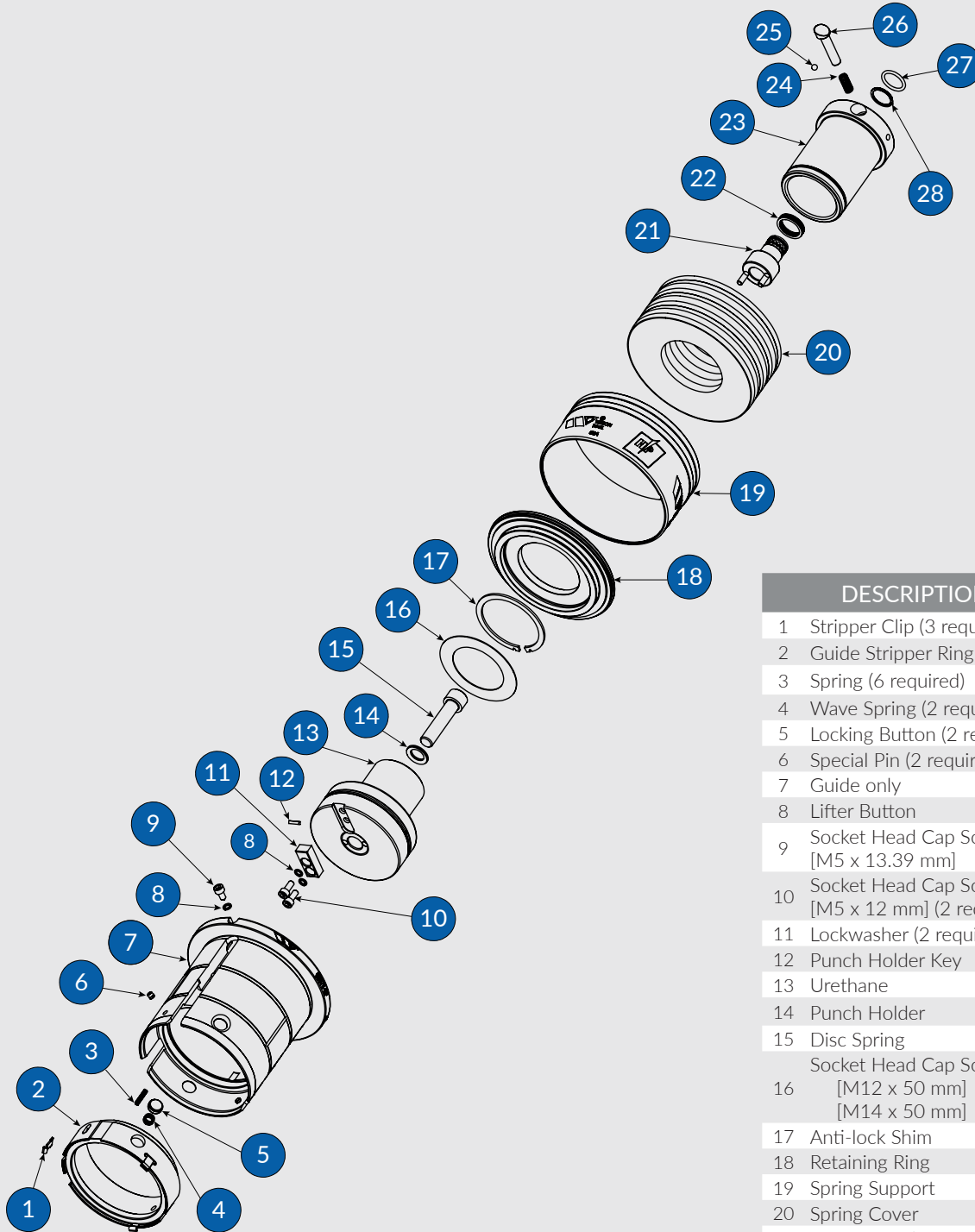
LD



OB



DD

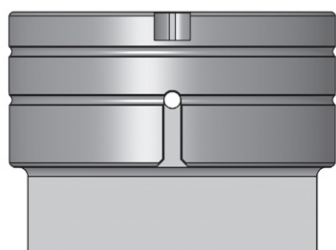


Cat. No. 5524 Guide Unit Assembly includes:
1, 2, 3, 5, 6, 7, 8 & 9

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

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




GUIDE
ASSEMBLY

PUNCH

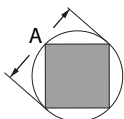
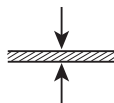
STRIPPER

DIE

SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5579	2.722,10 €	13831	2.722,10 €
PUNCH			CAT. NO.	PRICE
Round	1941	244,60 €	13618	324,00 €
Shape	1942	391,90 €	13619	439,20 €
Optima® Coating		95,10 €		95,10 €
STRIPPER			CAT. NO.	PRICE
Round	1877	70,20 €	5154	131,90 €
Shape	1882	103,90 €	5155	192,00 €
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2200	394,50 €		
Round Standard	1878	230,70 €		
Shape Slug Hugger®*	2201	512,70 €		
Shape Standard	13817	439,20 €		
Ultima® Add on		181,20 €		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM			CAT. NO.	PRICE
0.25 mm single	2073	14,90 €		
0.76 mm single	2729	14,90 €		
1.50 mm single	2076	14,90 €		
0.25 mm pack of 5	2212	61,30 €		
0.76 mm pack of 5	2730	61,30 €		
1.50 mm pack of 5	2176	61,30 €		

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



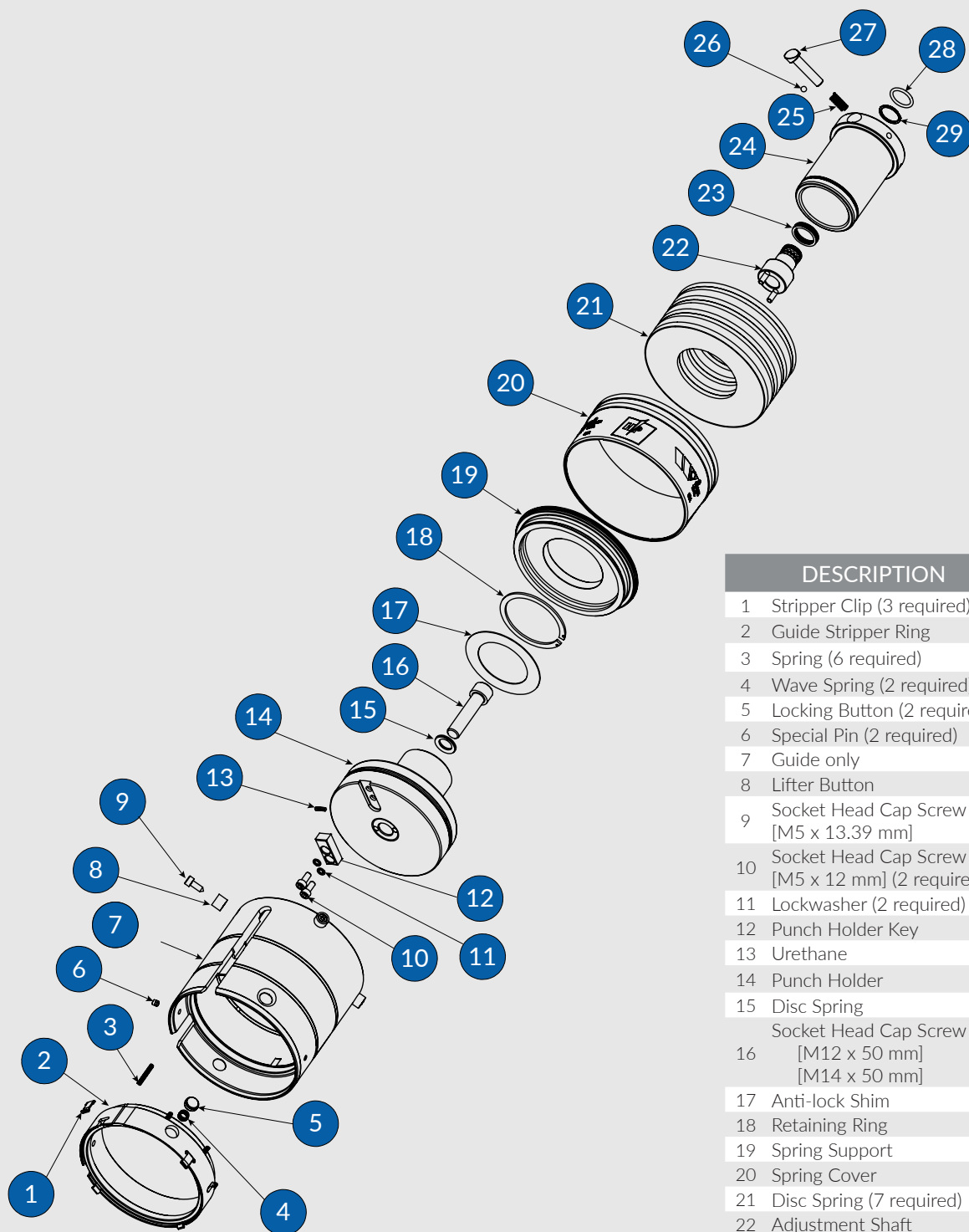
LD



OB



DD



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

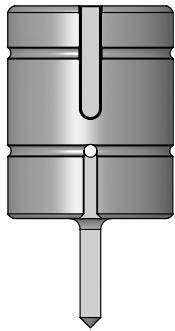
Cat. No. 5730 Driver Assembly includes:
18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29

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





GUIDE
ASSEMBLY



PUNCH



STRIPPER



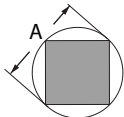
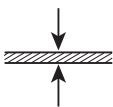
DIE



SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Standard	5583	1.537,20 €	13084	1.537,20 €
PUNCH			CAT. NO.	PRICE
Round	1933	107,00 €	13614	167,10 €
Shape	1934	213,90 €	13615	224,00 €
Optima® Coating		95,10 €		95,10 €
STRIPPER			CAT. NO.	PRICE
Round	1848	34,30 €	5150	75,90 €
Shape	1854	55,50 €	5151	95,00 €
DIE				
Round Slug Hugger®*	2196	143,40 €		
Round Standard	1850	94,70 €		
Shape Slug Hugger®*	2197	258,30 €		
Shape Standard	13807	202,80 €		
Ultima® Add on		80,60 €		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM				
0.25 mm single	2089	8,80 €		
0.76 mm single	2725	8,80 €		
1.50 mm single	2092	8,80 €		
0.25 mm pack of 10	2210	64,30 €		
0.76 mm pack of 10	2726	64,30 €		
1.50 mm pack of 10	2174	64,30 €		

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



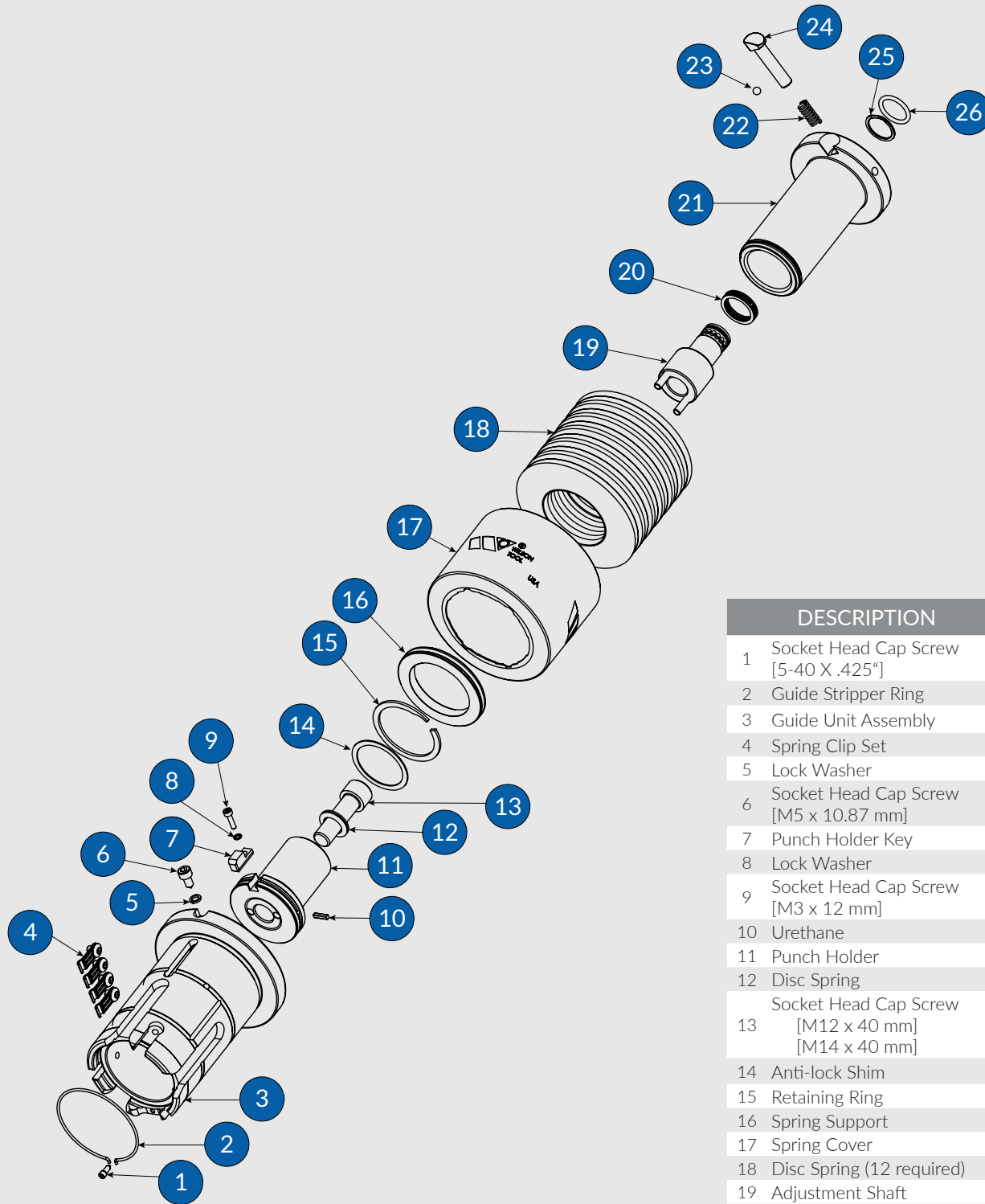
LD



OB



DD



Cat. No. 5420

Guide Unit Assembly includes:

1, 2, 5, & 6

Cat. No. 5729

Driver Assembly includes:

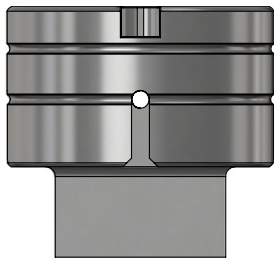
16, 17, 18, 19, 20, 21, 22, 23, 24, & 25

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





GUIDE
ASSEMBLY



PUNCH



STRIPPER



DIE

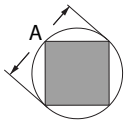
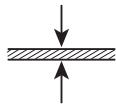


SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5584	1.854,90 €	13085	1.854,90 €
PUNCH			CAT. NO.	PRICE
Round	1937	150,40 €	13616	239,80 €
Shape	1938	291,50 €	13617	330,60 €
Optima® Coating		95,10 €		95,10 €
STRIPPER			CAT. NO.	PRICE
Round	1864	52,80 €	5152	93,90 €
Shape	1869	63,80 €	5153	137,30 €
DIE				
Round Slug Hugger®*	2198	188,80 €		
Round Standard	1865	132,10 €		
Shape Slug Hugger®*	2199	331,40 €		
Shape Standard	13810	281,10 €		
Ultima® Add on		115,70 €		
DIE SHIM				
0.25 mm single	2081	10,20 €		
0.76 mm single	2727	10,20 €		
1.50 mm single	2084	10,20 €		
0.25 mm pack of 5	2211	45,30 €		
0.76 mm pack of 5	2728	45,30 €		
1.50 mm pack of 5	2175	45,30 €		

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

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



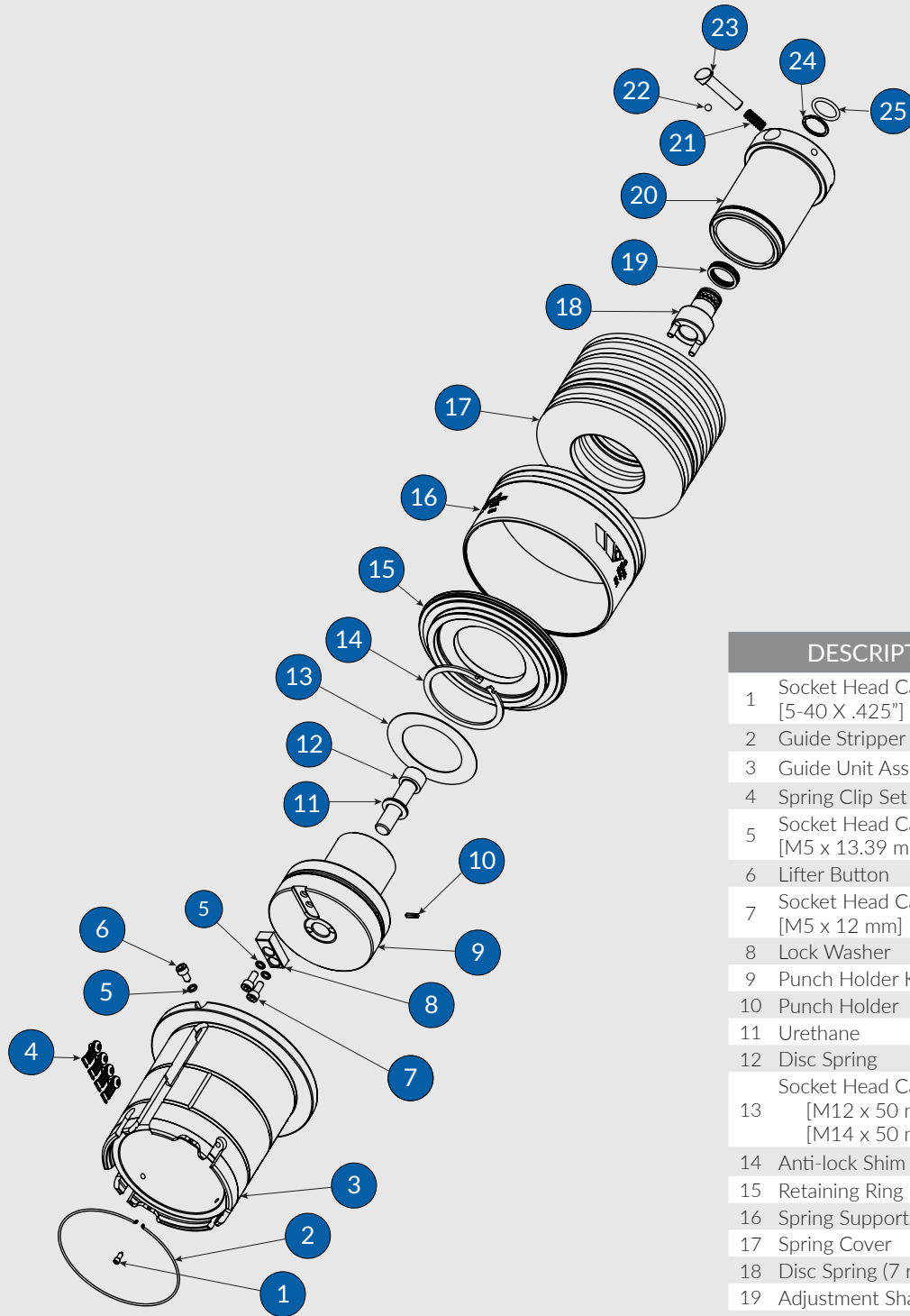
LD



OB



DD



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

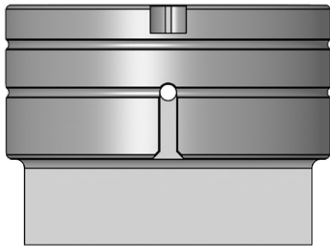
Cat. No. 5730 Driver Assembly includes:
14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, & 25

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





GUIDE
ASSEMBLY



PUNCH



STRIPPER



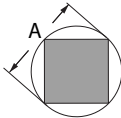
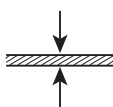
DIE



SHIM

GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5585	2.004,60 €	13088	2.004,60 €
PUNCH			CAT. NO.	PRICE
Round	1941	244,60 €	13618	324,00 €
Shape	1942	391,90 €	13619	439,20 €
Optima® Coating		95,10 €		95,10 €
STRIPPER			CAT. NO.	PRICE
Round	1877	70,20 €	5154	131,90 €
Shape	1882	103,90 €	5155	192,00 €
DIE				
Round Slug Hugger®*	2200	394,50 €		
Round Standard	1878	230,70 €		
Shape Slug Hugger®*	2201	512,70 €		
Shape Standard	13817	439,20 €		
Ultima® Add on		181,20 €		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM			CAT. NO.	PRICE
0.25 mm	single	2073	14,90 €	
0.76 mm	single	2729	14,90 €	
1.50 mm	single	2076	14,90 €	
0.25 mm	pack of 5	2212	61,30 €	
0.76 mm	pack of 5	2730	61,30 €	
1.50 mm	pack of 5	2176	61,30 €	

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



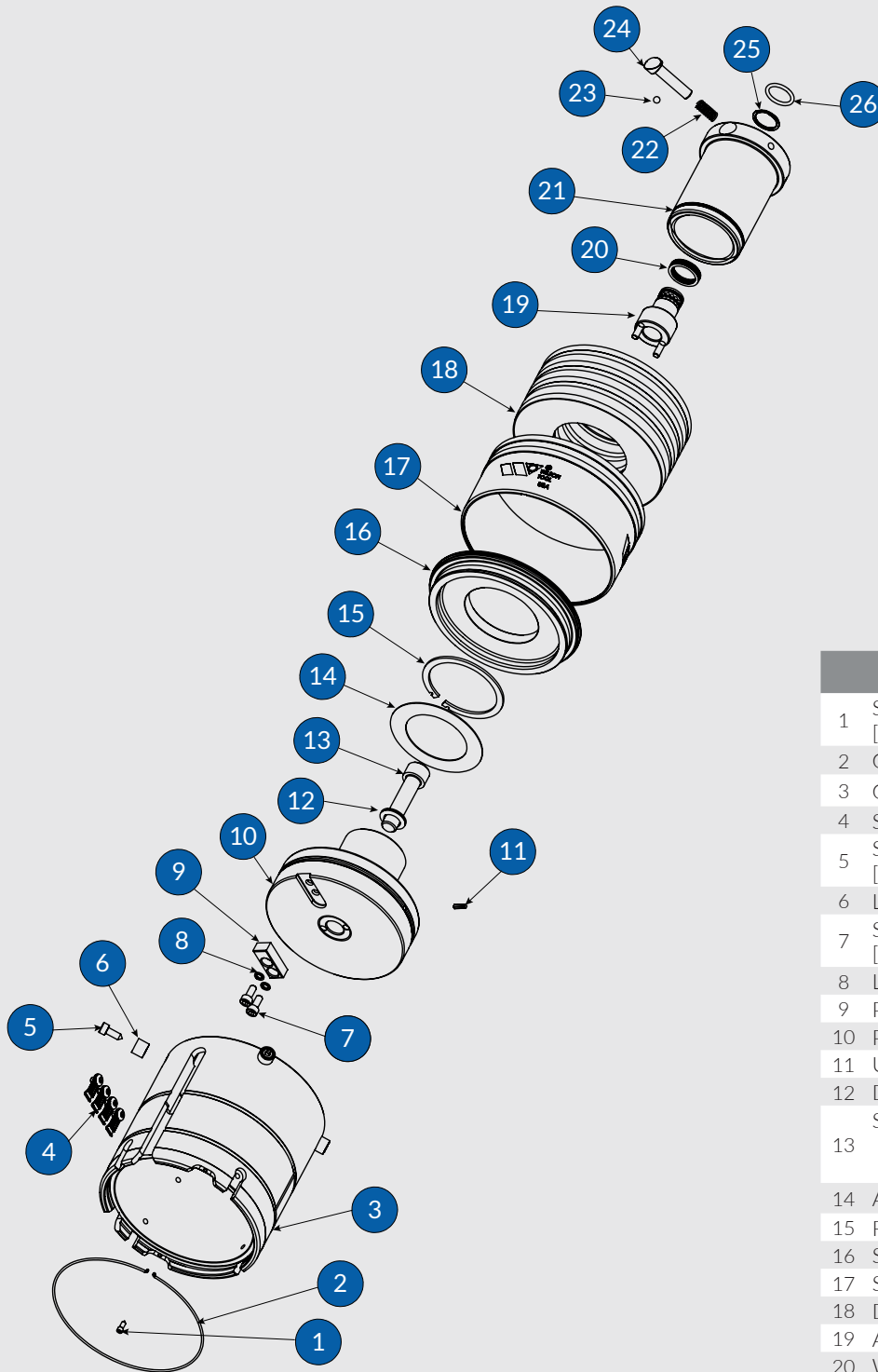
LD



OB



DD



Cat. No. 5438

Guide Unit Assembly includes:

1, 2, 3, 5 & 6

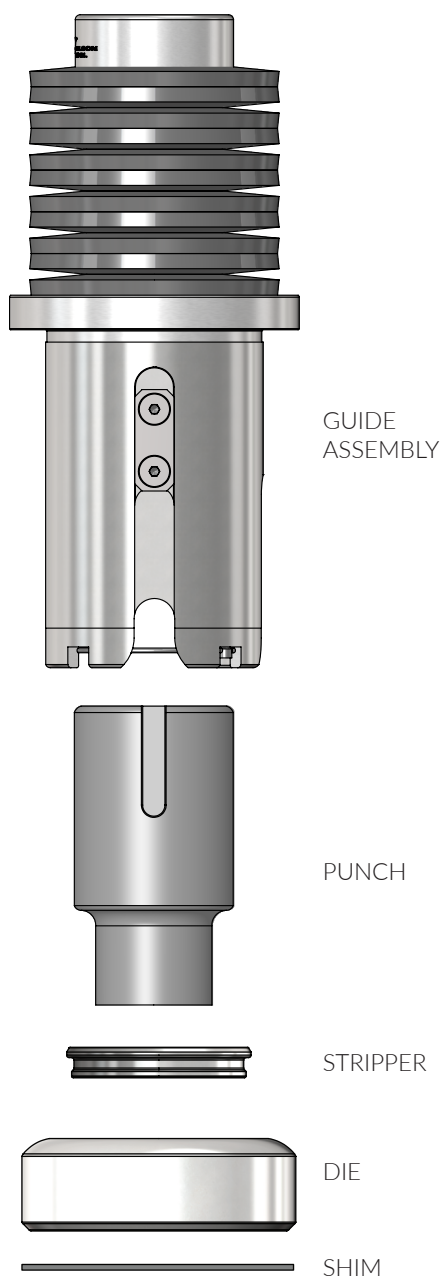
Cat. No. 5731

Driver Assembly includes:

18, 19, 20, 21, 22, 23, 24, 25 & 26

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

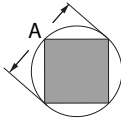
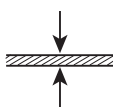




GUIDE ASSEMBLY		CAT. NO.	PRICE
Assembly		1842	828,60 €
PUNCH		CAT. NO.	PRICE
Round		1933	107,00 €
Shape		1934	213,90 €
Optima® Coating			95,10 €
PUNCH SHIM		CAT. NO.	PRICE
Single		2096	5,00 €
Pack of 10		2169	35,60 €
STRIPPER		CAT. NO.	PRICE
Round		1848	34,30 €
Shape		1854	55,50 €
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		2196	143,40 €
Round Standard		1850	94,70 €
Shape Slug Hugger®*		2197	258,30 €
Shape Standard		13807	202,80 €
Ultima® Add on			80,60 €
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2089	8,80 €
0.76 mm	single	2725	8,80 €
1.50 mm	single	2092	8,80 €
0.25 mm	pack of 10	2210	64,30 €
0.76 mm	pack of 10	2726	64,30 €
1.50 mm	pack of 10	2174	64,30 €

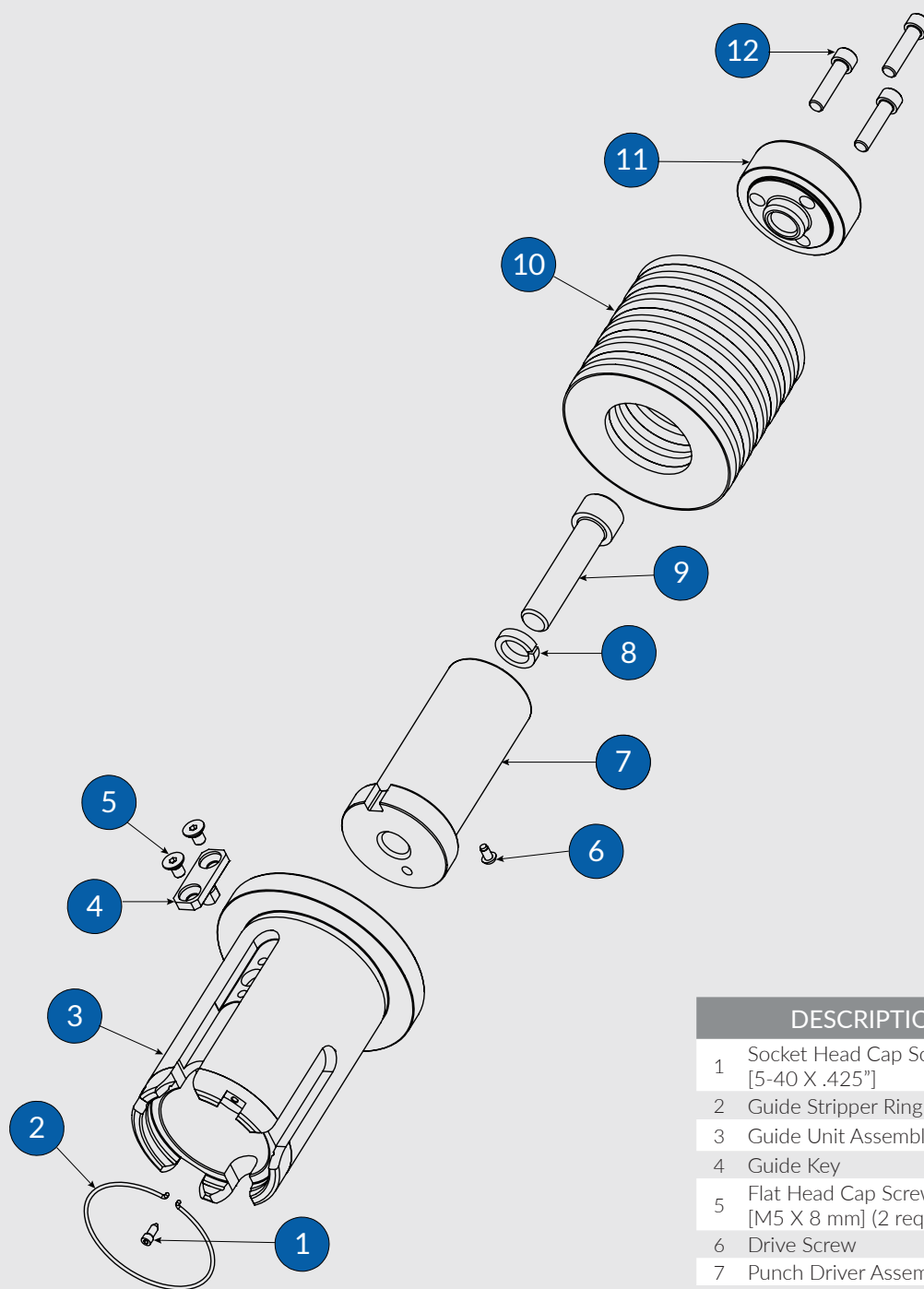
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES

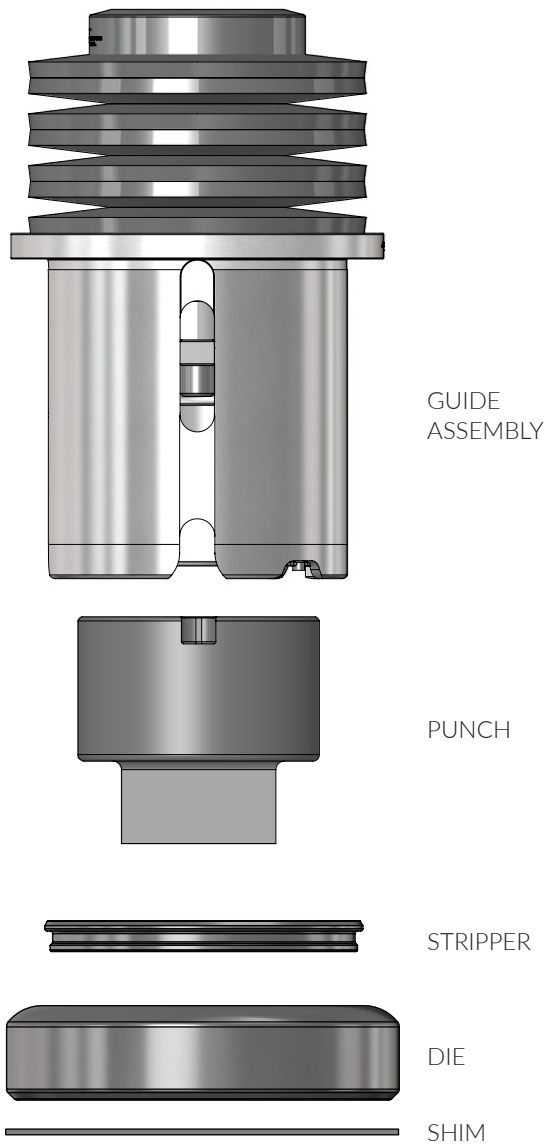




Cat. No. 1846 Guide Unit Assembly includes:
1, 2, 4 & 5
Cat. No. 1845 Driver Assembly includes:
6 & 7

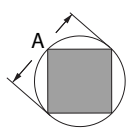
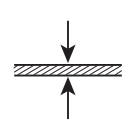
	DESCRIPTION	CAT. NO.
1	Socket Head Cap Screw [5-40 X .425"]	429
2	Guide Stripper Ring	5035
3	Guide Unit Assembly	1846
4	Guide Key	1834
5	Flat Head Cap Screw [M5 X 8 mm] (2 required)	6567
6	Drive Screw	6666
7	Punch Driver Assembly	1845
8	Lock Washer	432
9	Socket Head Cap Screw [M12 x 55 mm] [1/2-13 X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





GUIDE ASSEMBLY		CAT. NO.	PRICE
Assembly		1857	995,20 €
PUNCH		CAT. NO.	PRICE
Round		1937	150,40 €
Shape		1938	291,50 €
Optima® Coating			95,10 €
PUNCH SHIM		CAT. NO.	PRICE
Single		2088	9,00 €
Pack of 5		2170	35,60 €
STRIPPER		CAT. NO.	PRICE
Round		1864	52,80 €
Shape		1869	63,80 €
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		2198	188,80 €
Round Standard		1865	132,10 €
Shape Slug Hugger®*		2199	331,40 €
Shape Standard		13810	281,10 €
Ultima® Add on			115,70 €
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2081	10,20 €
0.76 mm	single	2727	10,20 €
1.50 mm	single	2084	10,20 €
0.25 mm	pack of 5	2211	45,30 €
0.76 mm	pack of 5	2728	45,30 €
1.50 mm	pack of 5	2175	45,30 €

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



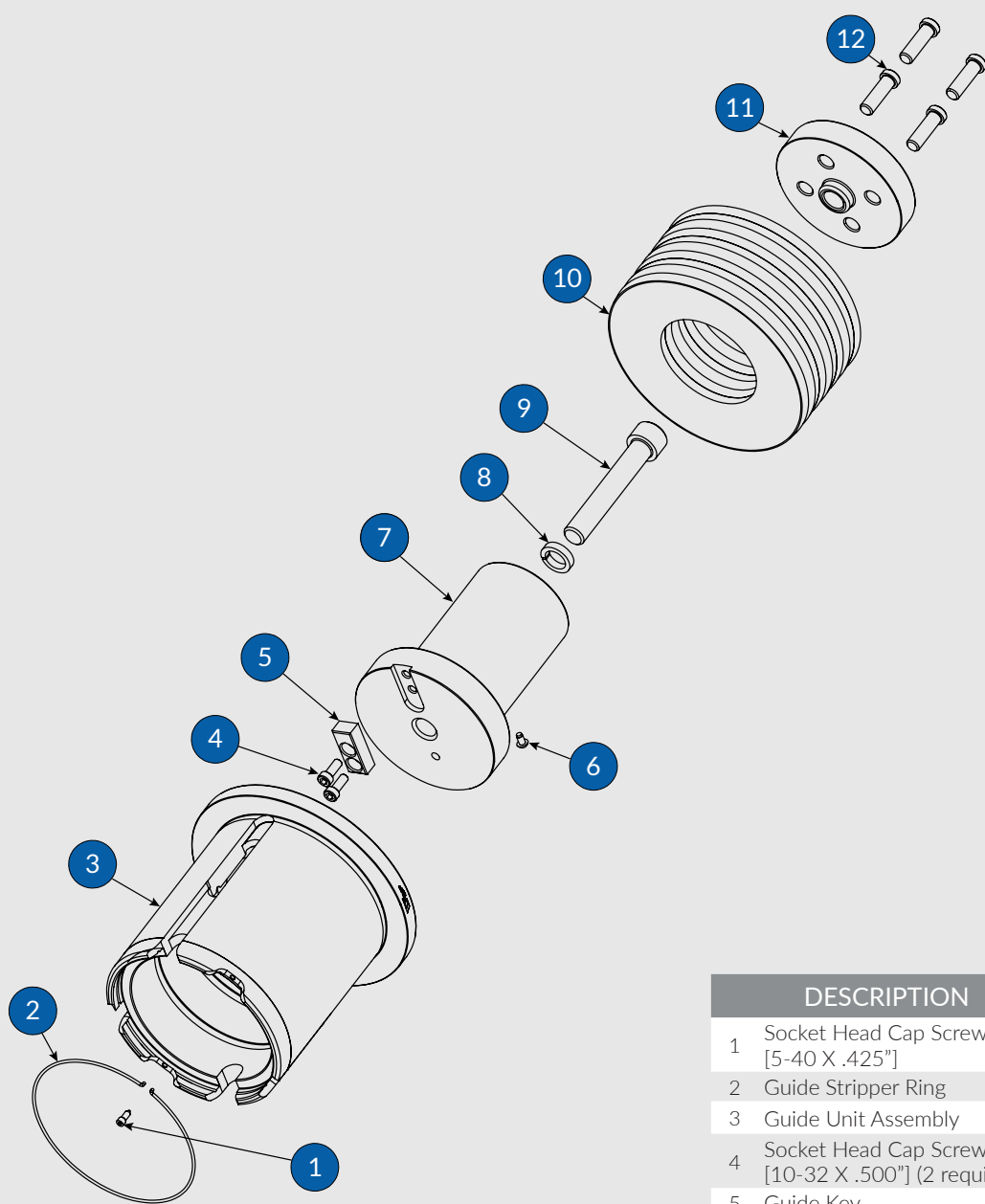
LD



OB

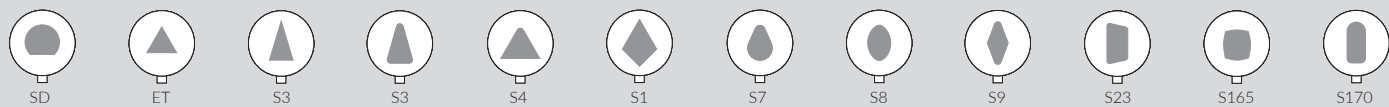


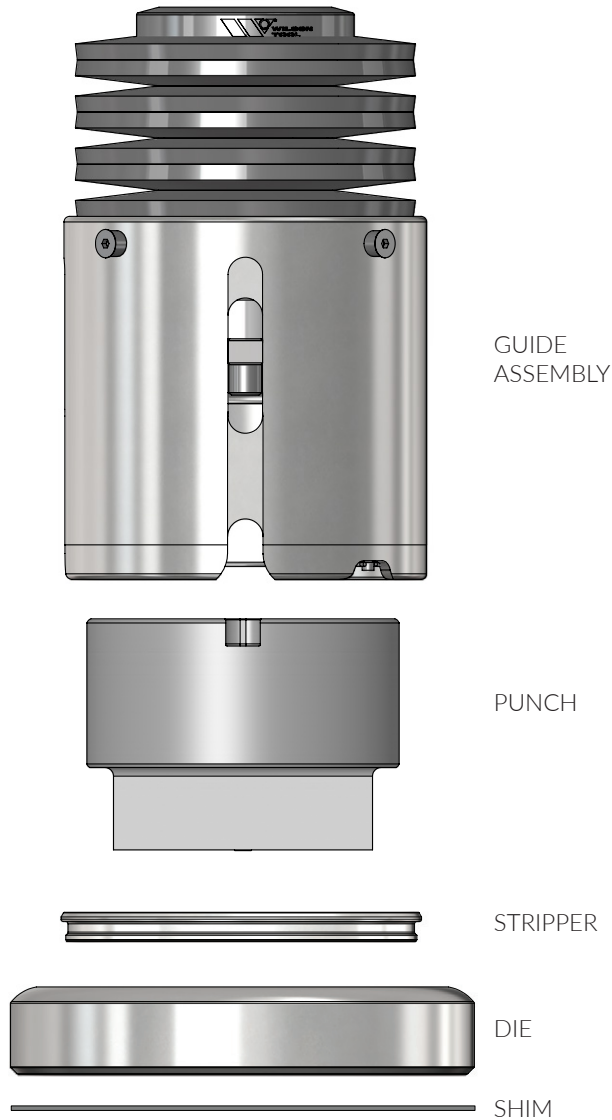
DD



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

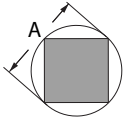
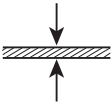
Cat. No. 1861 Guide Unit Assembly includes:
1 & 2
Cat. No. 1860 Driver Assembly includes:
6 & 7





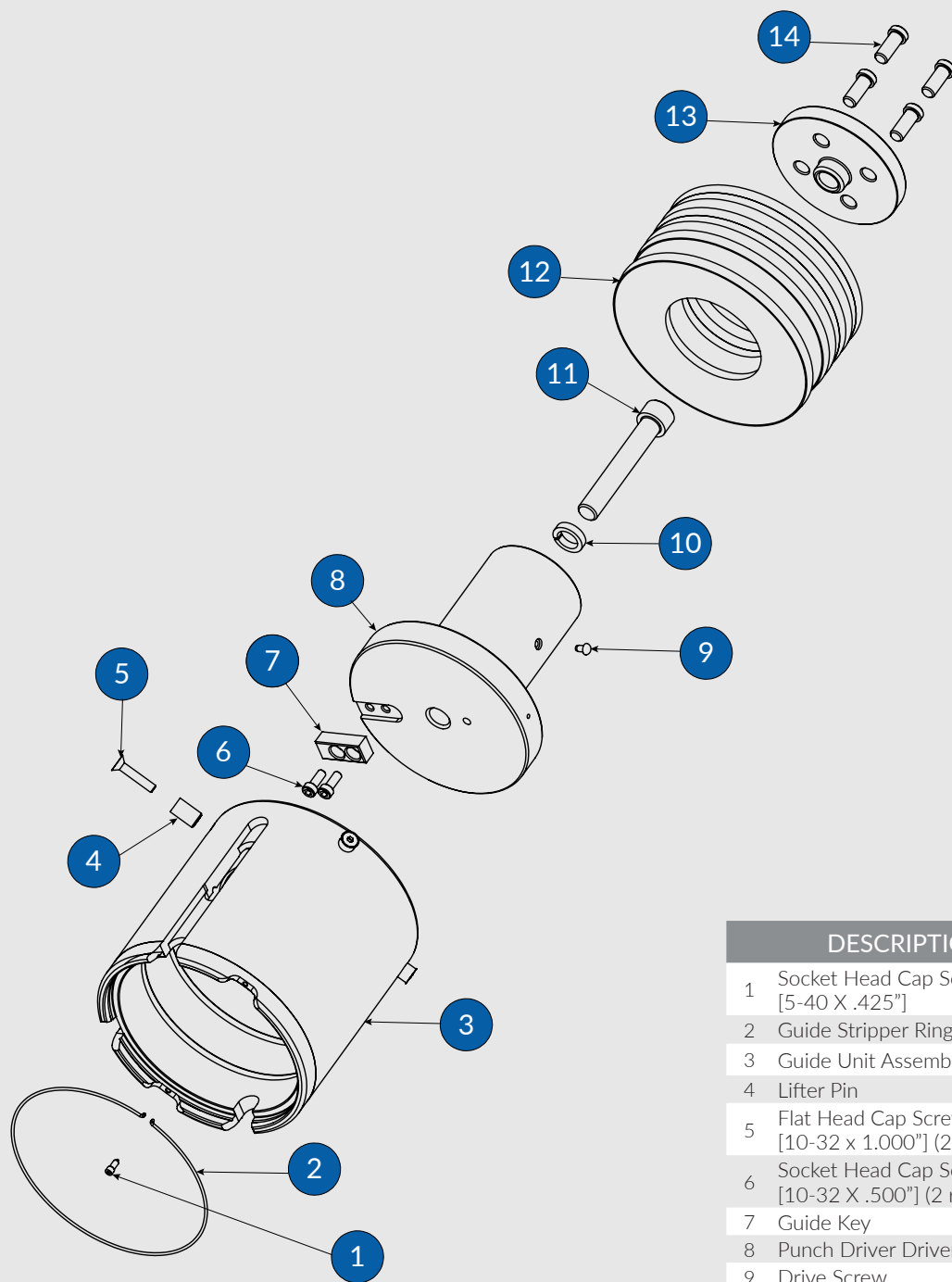
GUIDE ASSEMBLY		CAT. NO.	PRICE
Assembly		1872	1.174,90 €
PUNCH		CAT. NO.	PRICE
Round		1941	244,60 €
Shape		1942	391,90 €
Optima® Coating			95,10 €
PUNCH SHIM		CAT. NO.	PRICE
Single		2080	12,70 €
Pack of 5		2171	50,10 €
STRIPPER		CAT. NO.	PRICE
Round		1877	70,20 €
Shape		1882	103,90 €
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		2200	394,50 €
Round Standard		1878	230,70 €
Shape Slug Hugger®*		2201	512,70 €
Shape Standard		13817	439,20 €
Ultima® Add on			181,20 €
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2073	14,90 €
0.76 mm	single	2729	14,90 €
1.50 mm	single	2076	14,90 €
0.25 mm	pack of 5	2212	61,30 €
0.76 mm	pack of 5	2730	61,30 €
1.50 mm	pack of 5	2176	61,30 €

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES





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

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

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



WILSON THICK TURRET TOOLING



HPX



H/P2



basix

WILSON THICK TURRET TOOLING



WILSON STYLE TOOLING SOLUTIONS

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



PUNCH AND GUIDE ASSEMBLY



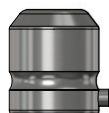
GUIDE



EXP PUNCH



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14936	410,70 €
Shape	14937	452,70 €
Optima® Coating		14,80 €
SPRING PACK ASSEMBLY	CAT. NO.	
Spring Back Assembly only	14366	165,70 €
GUIDE	CAT. NO.	
Round	14076X	105,40 €
Shape 0°	14077X	153,30 €
Shape 0° & 45°	14079X	153,30 €
Shape 0° & 90°	14078X	153,30 €
PUNCH	CAT. NO.	
Round	13904	45,70 €
Shape	13905	73,40 €
Optima® Coating		14,80 €
STRIPPER	CAT. NO.	
Round	13045	17,90 €
Shape	13152	40,80 €
DIE	CAT. NO.	
Round Slug Hugger®*	2192	52,70 €
Round Standard	1808	28,30 €
Shape Slug Hugger®*	2193	96,00 €
Shape Standard	13801	63,80 €
Ultima® Add on		25,70 €
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.		
DIE SHIM	CAT. NO.	
0.25 mm single	2101	1,70 €
0.76 mm single	2721	1,70 €
1.50 mm single	2104	1,70 €
0.25 mm pack of 25	2208	30,80 €
0.76 mm pack of 25	2722	30,80 €
1.50 mm pack of 25	2172	30,80 €

Additional charges may apply to non-standard features.



See this tool in action on the
Wilson Tool YouTube Channel

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



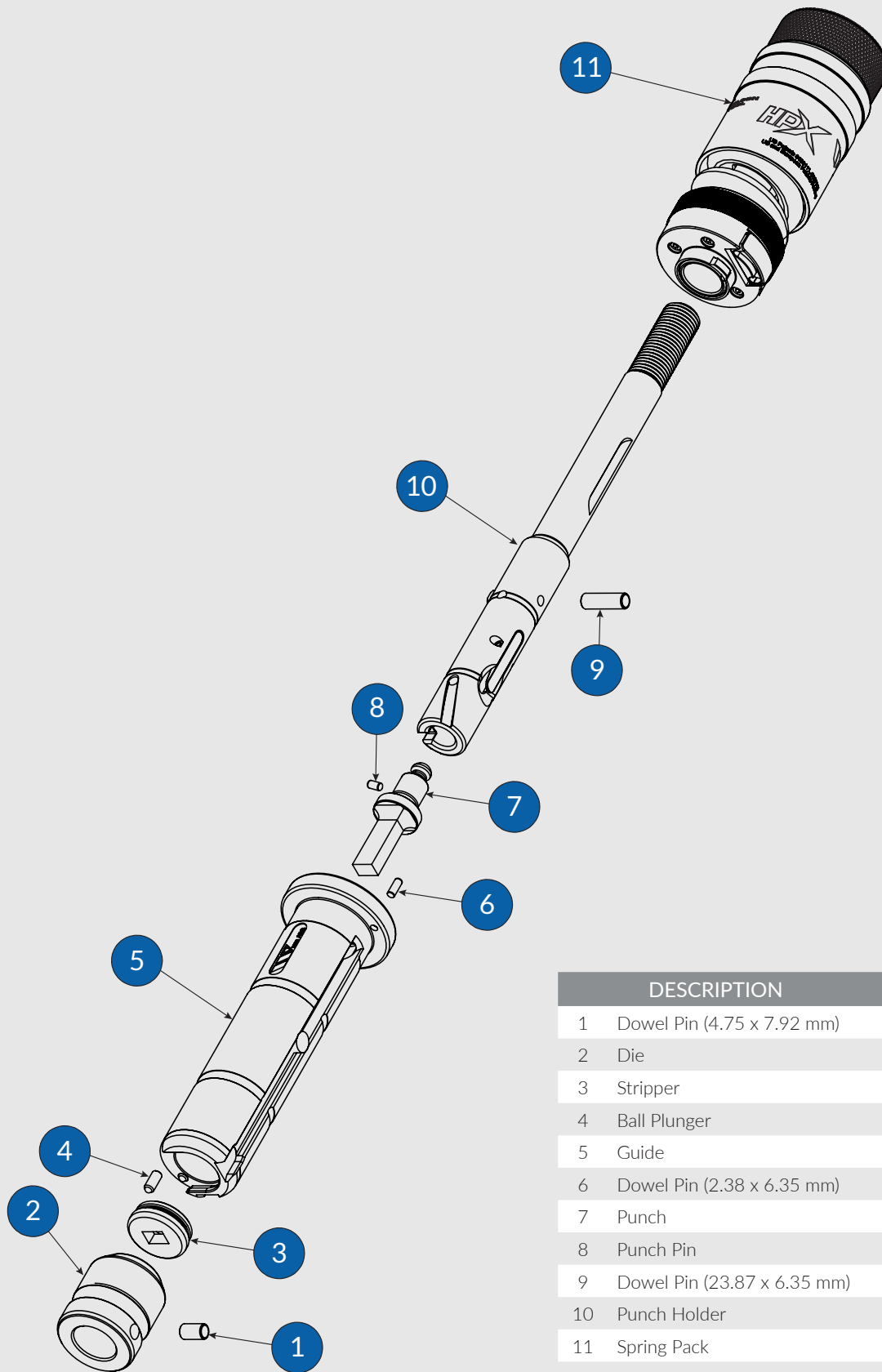
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OB



DD



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

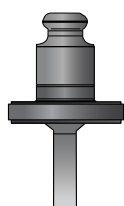




PUNCH AND GUIDE ASSEMBLY



GUIDE



EXP PUNCH



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	14939	537,70 €
Shape	14940	605,40 €
Optima® Coating		26,10 €
SPRING PACK ASSEMBLY	CAT. NO.	PRICE
Spring Pack Assembly only	14367	187,60 €
GUIDE	CAT. NO.	PRICE
Round	14084X	138,00 €
Shape 0°	14085X	180,00 €
Shape 0° & 45°	14087X	180,00 €
Shape 0° & 90°	14086X	180,00 €
PUNCH	CAT. NO.	PRICE
Round	13916	63,70 €
Shape	13917	106,00 €
Optima® Coating		26,10 €
STRIPPER	CAT. NO.	
Round	2433	16,40 €
Shape	2432	55,30 €
DIE	CAT. NO.	
Round Slug Hugger®*	2194	54,90 €
Round Standard	2021	28,90 €
Shape Slug Hugger®2*	2195	116,20 €
Shape Standard	13804	74,40 €
Ultima® Add on		33,20 €
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.		
DIE SHIM	CAT. NO.	
0.25 mm single	2097	2,00 €
0.76 mm single	2723	2,00 €
1.50 mm single	2100	2,00 €
0.25 mm pack of 25	2209	32,50 €
0.76 mm pack of 25	2724	32,50 €
1.50 mm pack of 25	2173	32,50 €
Additional charges may apply to non-standard features.		



See this tool in action on the
Wilson Tool YouTube Channel

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



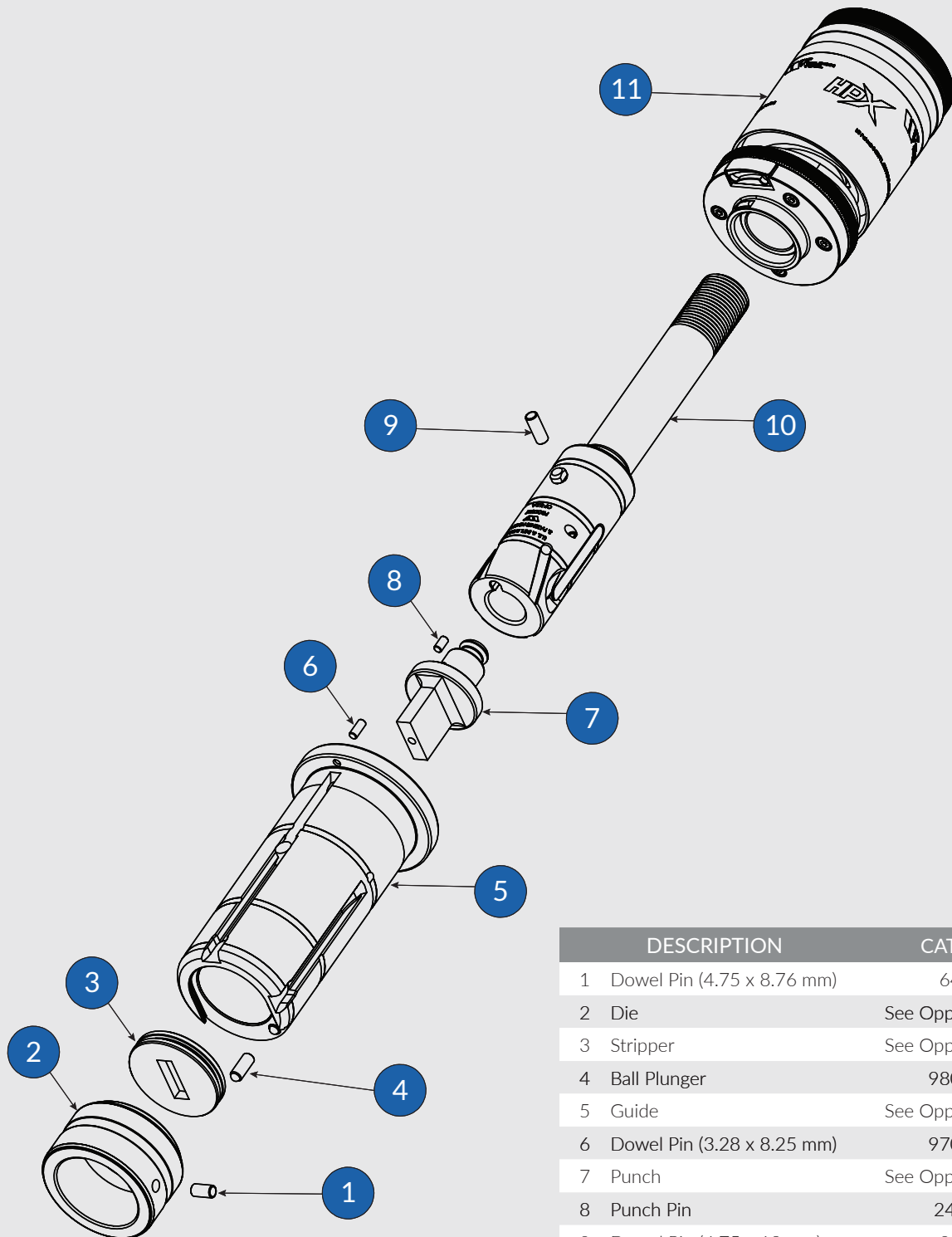
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DD

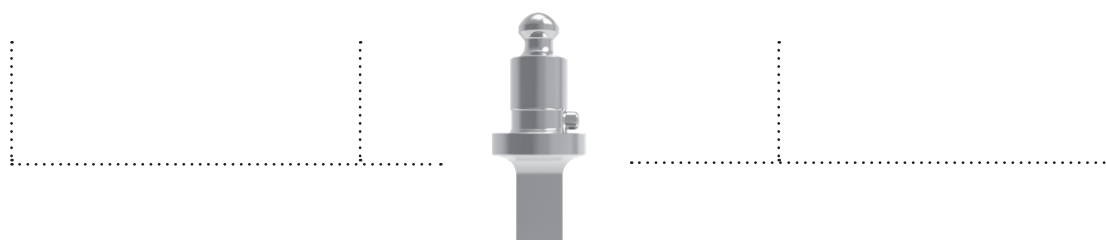


	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 8.76 mm)	6431
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	980974
5	Guide	See Opposite Page
6	Dowel Pin (3.28 x 8.25 mm)	970651
7	Punch	See Opposite Page
8	Punch Pin	24097
9	Dowel Pin (4.75 x 13 mm)	2131
10	Punch Holder	14929
11	Spring Pack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





HP PUNCH HOLDER			HP ABS/WLS PUNCH HOLDER			STANDARD PUNCH HOLDER			ULTRA PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies			Compatible with HP and HP2 Punch and Guide Assemblies			Compatible with Wilson Basix Punch and Guide Assemblies			Compatible with Ultra Punch and Guide Assemblies		
CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE	
Round	14897	129,50 €	Round	14893	143,40 €	Round	14901	146,90 €	Ultra	15575	160,80 €
Shape	14895	145,10 €	Shape	14891	171,40 €	Shape	14899	157,50 €			



EXP™ PUNCH

Compatible with all punch holders above

	CAT. NO.	PRICE
Round	13904	45,70 €
Shape	13905	73,40 €
Optima® Coating		14,80 €



See this tool in action on the Wilson Tool YouTube Channel

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



LD



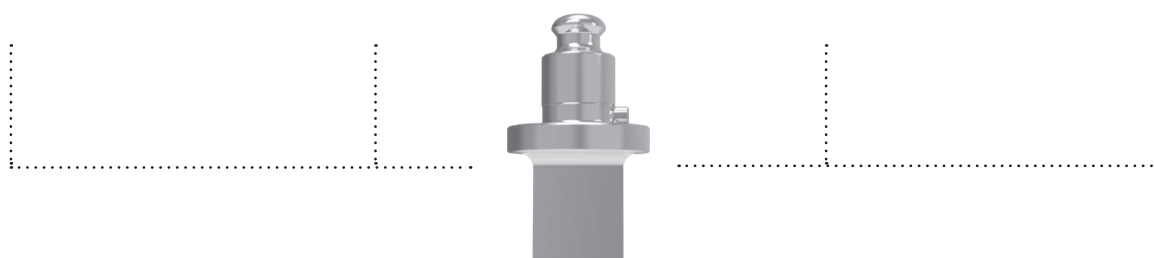
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DD



HP PUNCH HOLDER			HP ABS/WLS PUNCH HOLDER			STANDARD PUNCH HOLDER			ULTRA PUNCH HOLDER		
Compatible with HP and HP2 Punch and Guide Assemblies			Compatible with HP and HP2 Punch and Guide Assemblies			Compatible with Wilson Basix Punch and Guide Assemblies			Compatible with Ultra Punch and Guide Assemblies		
CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE	
Round	14919	175,00 €	Round	14915	185,50 €	Round	14923	188,80 €	Ultra	15577	194,30 €
Shape	14917	181,90 €	Shape	14913	197,50 €	Shape	14921	202,80 €			



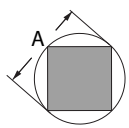
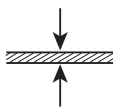
EXP™ PUNCH

Compatible with all punch holders above

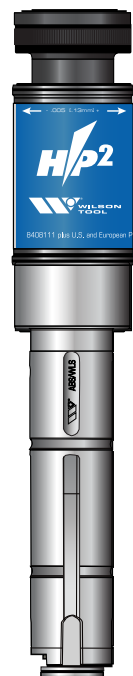
	CAT. NO.	PRICE
Round	13916	63,70 €
Shape	13917	106,00 €
Optima® Coating		26,10 €



See this tool in action on the Wilson Tool YouTube Channel

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

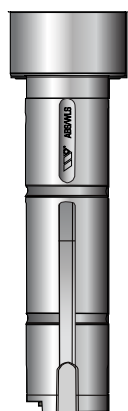




HP2 PUNCH
AND GUIDE
ASSEMBLY



PUNCH



GUIDE



HP SPRING
PACK
ASSEMBLY



STRIPPER



DIE



SHIM

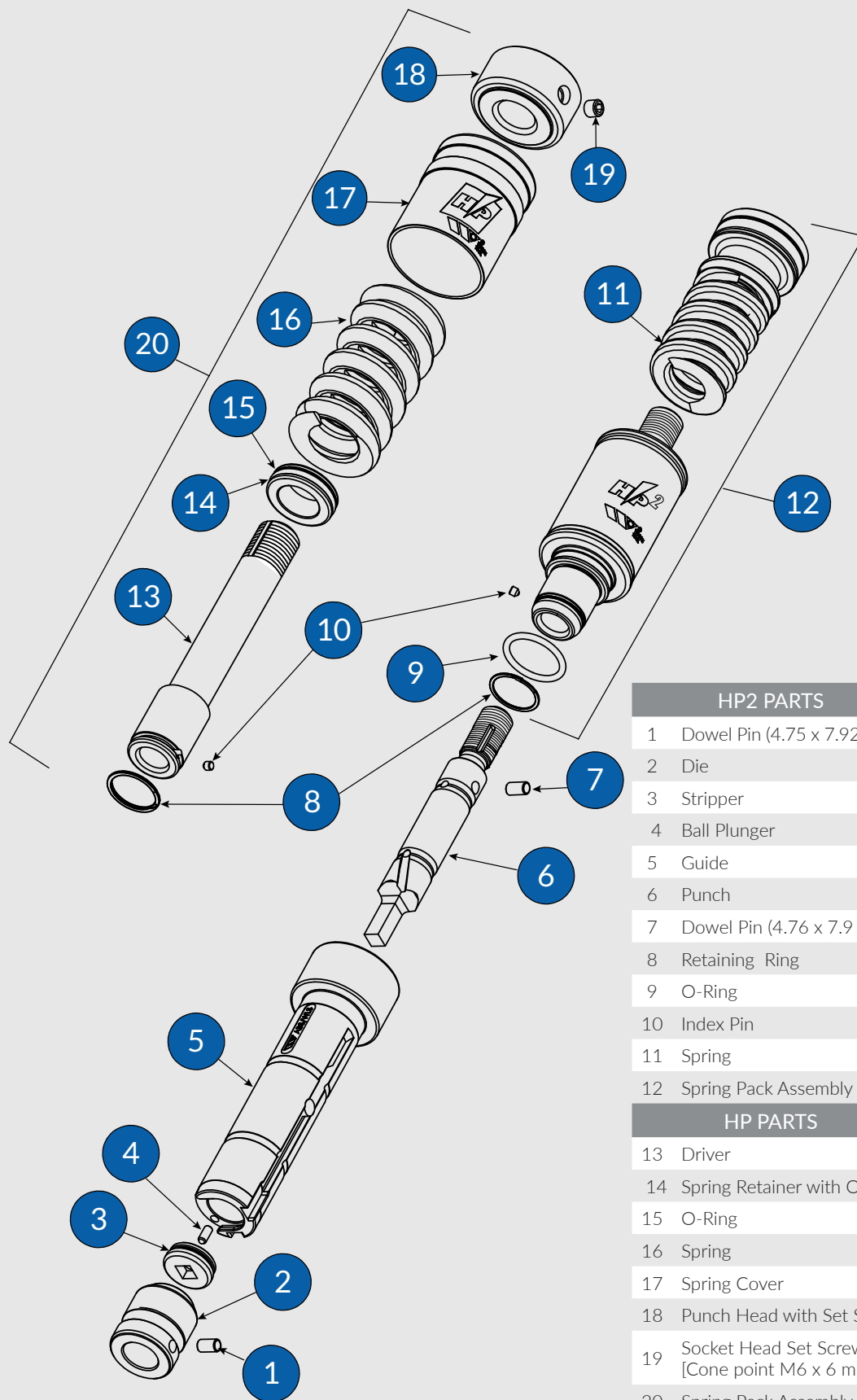
HP2 PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13767	270,10 €	13770	318,80 €
Shape	13769	376,60 €	13772	444,50 €
Optima® Coating		28,00 €		28,00 €
Ultima® Add on (Round)		20,40 €		32,90 €
Ultima® Add on (Shape)		37,70 €		56,00 €
Spring Pack Assembly	14150	140,30 €	14150	140,30 €
HP SPRING PACK ASSEMBLY	CAT. NO.	PRICE	CAT. NO.	PRICE
Spring Pack Assembly	2747	128,80 €	2747	128,80 €
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2405	54,90 €	2385	63,20 €
Shape	2406	101,40 €	2389	116,50 €
Optima® Coating		28,00 €		28,00 €
Ultima® Add on (Round)		20,40 €		32,90 €
Ultima® Add on (Shape)		37,70 €		56,00 €
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2821	88,60 €	2835	106,30 €
Shape 0°	2822	148,90 €	2836	178,50 €
Shape 0° & 45°	2903	148,90 €	2907	178,50 €
Shape 0° & 90°	2904	148,90 €	2908	178,50 €
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	13044	14,90 €	13045	17,90 €
Shape	13143	34,00 €	13152	40,80 €
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2192	52,70 €		
Round Standard	1808	28,30 €		
Shape Slug Hugger®*	2193	96,00 €		
Shape Standard	13801	63,80 €		
Ultima® Add on		25,70 €		
* Slug Hugger dies must be ordered punch size plus clearance.				
Size restrictions apply.				
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2101	1,70 €	
0.76 mm	single	2721	1,70 €	
1.50 mm	single	2104	1,70 €	
0.25 mm	pack of 25	2208	30,80 €	
0.76 mm	pack of 25	2722	30,80 €	
1.50 mm	pack of 25	2172	30,80 €	
Additional charges may apply to non-standard features.				

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



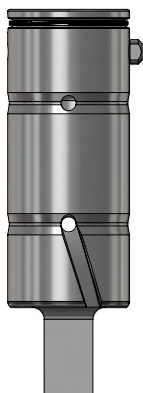


HP2 PARTS		CAT. NO.
1	Dowel Pin (4.75 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin (4.76 x 7.9 mm)	6013
8	Retaining Ring	6853
9	O-Ring	2282
10	Index Pin	6873
11	Spring	24291
12	Spring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

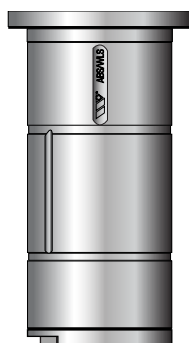




HP2 PUNCH AND GUIDE ASSEMBLY



PUNCH



GUIDE



HP SPRING PACK ASSEMBLY



STRIPPER



DIE



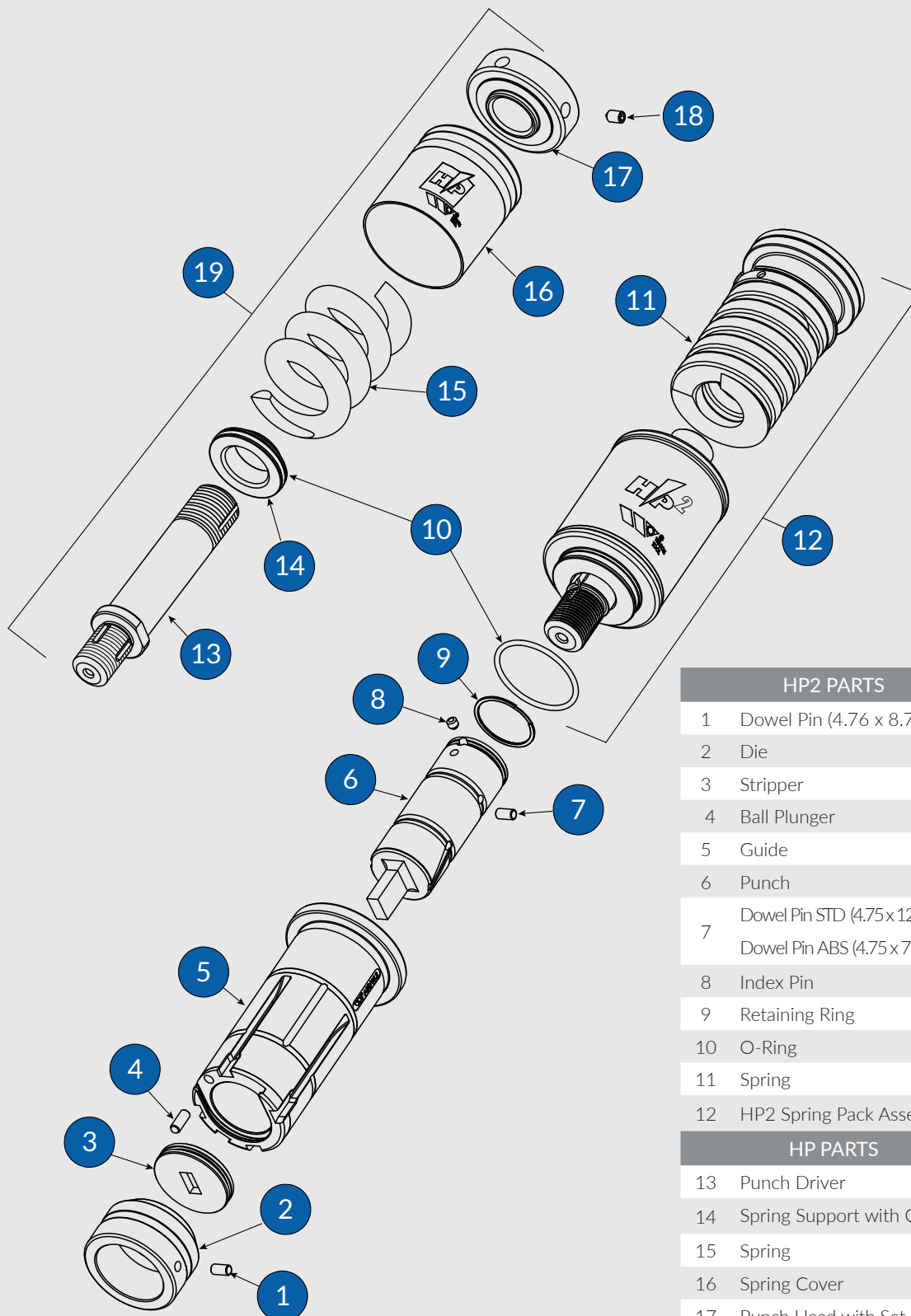
SHIM

HP2 PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS CAT. NO.	PRICE
Round	13779	397,30 €	13782	468,80 €
Shape	13781	508,20 €	13784	599,50 €
Optima® Coating		56,00 €		56,00 €
Ultima® Add on (Round)		31,40 €		46,30 €
Ultima® Add on (Shape)		52,20 €		69,40 €
Spring Pack Assembly	14149	198,60 €	14149	198,60 €
HP SPRING PACK ASSEMBLY	CAT. NO.	PRICE	CAT. NO.	PRICE
Spring Pack Assembly	2749	175,00 €	2749	175,00 €
PUNCH	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2407	84,40 €	2398	97,00 €
Shape	2408	140,30 €	2399	161,30 €
Optima® Coating		56,00 €		56,00 €
Ultima® Add on (Round)		31,40 €		46,30 €
Ultima® Add on (Shape)				69,40 €
GUIDE	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2859	141,50 €	2881	169,80 €
Shape 0°	2860	171,40 €	2882	205,70 €
Shape 0° & 45°	2861	171,40 €	2883	205,70 €
Shape 0° & 90°	2862	171,40 €	2884	205,70 €
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1890	13,70 €	2433	16,40 €
Shape	1917	46,10 €	2432	55,30 €
DIE	CAT. NO.	PRICE		
Round Slug Hugger®*	2194	54,90 €		
Round Standard	2021	28,90 €		
Shape Slug Hugger®*	12961	116,20 €		
Shape Standard	13804	74,40 €		
Ultima® Add on		33,20 €		
* Slug Hugger dies must be ordered punch size plus clearance.				
Size restrictions apply.				
DIE SHIM	CAT. NO.	PRICE		
0.25 mm single	2097	2,00 €		
0.76 mm single	2723	2,00 €		
1.50 mm single	2100	2,00 €		
0.25 mm pack of 25	2209	32,50 €		
0.76 mm pack of 25	2724	32,50 €		
1.50 mm pack of 25	2173	32,50 €		
Additional charges may apply to non-standard features.				

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

25 STANDARD SHAPES





HP2 PARTS		CAT. NO.
1	Dowel Pin (4.76 x 8.7 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)	2131
	Dowel Pin ABS (4.75 x 7.9 mm)	6013
8	Index Pin	6874
9	Retaining Ring	2803
10	O-Ring	2283
11	Spring	00030
12	HP2 Spring Pack Assembly	14149
HP PARTS		CAT. NO.
13	Punch Driver	13556
14	Spring Support with O-Ring	1824
15	Spring	1953
16	Spring Cover	2732
17	Punch Head with Set Screw	2781
18	Socket Head Set Screw [Cone point M6 x 10 mm]	6206
19	HP Spring Pack Assembly	2749





PUNCH
AND GUIDE
ASSEMBLY



PUNCH



GUIDE



STRIPPER



DIE



SHIM

HP PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	12857	357,60 €	12861	422,10 €
Shape	13182	452,70 €	13185	534,20 €
Optima® Coating		28,00 €		28,00 €
Ultima® Add on (Round)		20,40 €		32,90 €
Ultima® Add on (Shape)		37,70 €		56,00 €
PUNCH			CAT. NO.	PRICE
Round	2405	54,90 €	2385	63,20 €
Shape	2406	101,40 €	2389	116,50 €
Optima® Coating		28,00 €		28,00 €
Ultima® Add on (Round)		20,40 €		32,90 €
Ultima® Add on (Shape)		37,70 €		56,00 €
GUIDE			CAT. NO.	PRICE
Round	2821	88,60 €	2835	106,30 €
Shape 0°	2822	148,90 €	2836	178,50 €
Shape 0° & 45°	2903	148,90 €	2907	178,50 €
Shape 0° & 90°	2904	148,90 €	2908	178,50 €
STRIPPER			CAT. NO.	PRICE
Round	13044	14,90 €	13045	17,90 €
Shape	13143	34,00 €	13152	40,80 €
DIE			CAT. NO.	PRICE
Round Slug Hugger®*	2192	52,70 €		
Round Standard	1808	28,30 €		
Shape Slug Hugger®*	2193	96,00 €		
Shape Standard	13801	63,80 €		
Ultima® Add on		25,70 €		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM		CAT. NO.	PRICE	
0.25 mm	single	2101	1,70 €	
0.76 mm	single	2721	1,70 €	
1.50 mm	single	2104	1,70 €	
0.25 mm	pack of 25	2208	30,80 €	
0.76 mm	pack of 25	2722	30,80 €	
1.50 mm	pack of 25	2172	30,80 €	

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



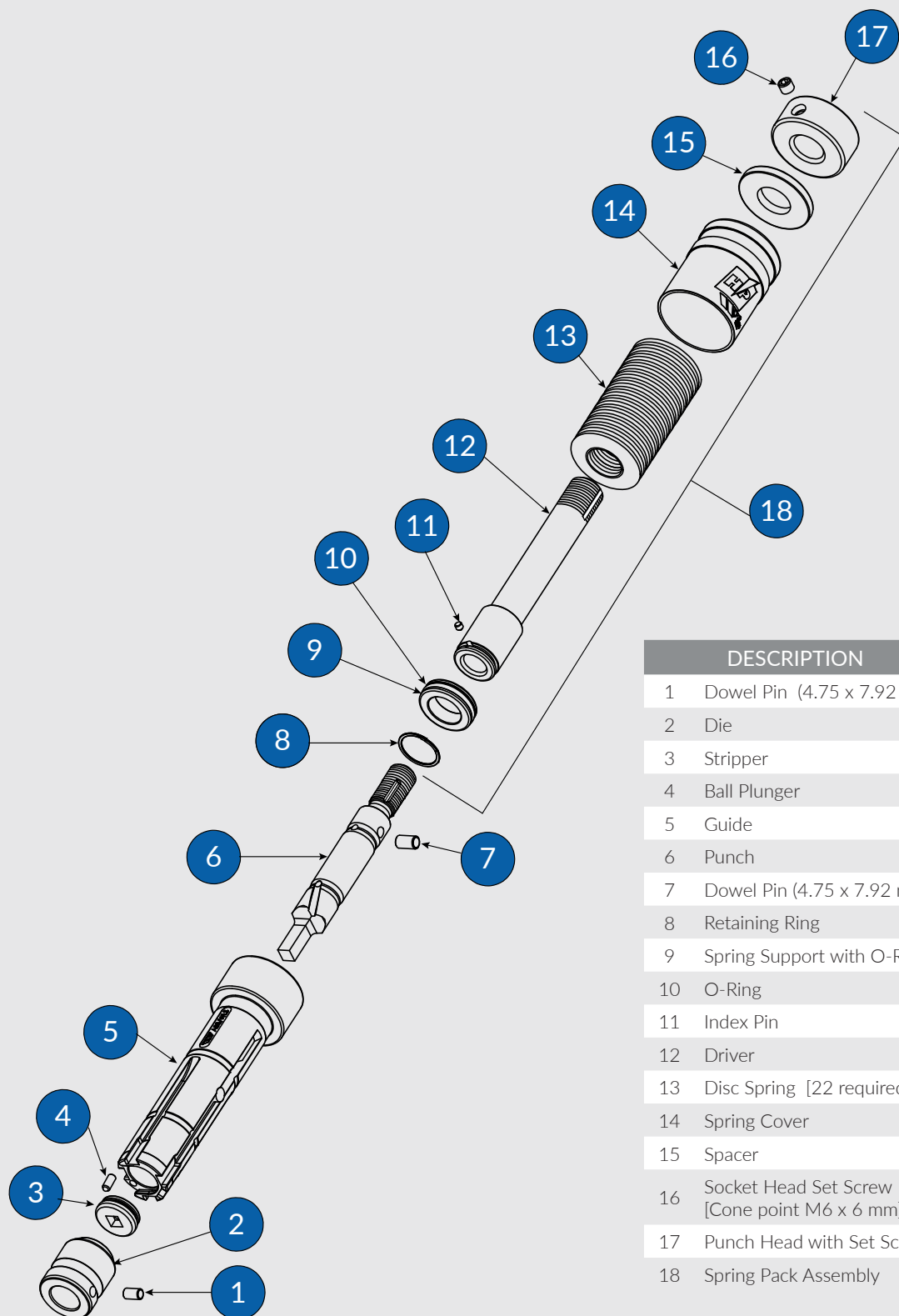
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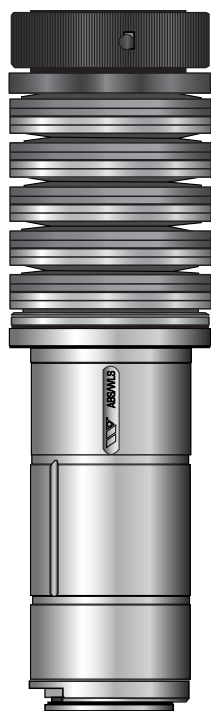


DD

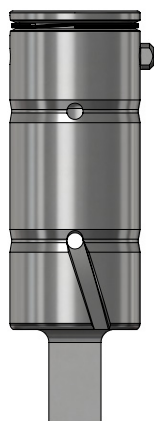


	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Punch	See Opposite Page
7	Dowel Pin (4.75 x 7.92 mm)	6013
8	Retaining Ring	6853
9	Spring Support with O-Ring	2295
10	O-Ring	2282
11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

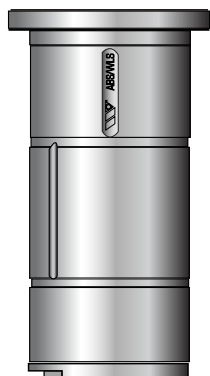




PUNCH
AND GUIDE
ASSEMBLY



PUNCH



GUIDE



STRIPPER



DIE



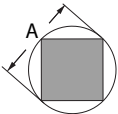
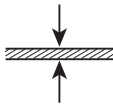
SHIM

HP PUNCH AND GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	12873	504,30 €	12877	595,00 €
Shape	13194	615,00 €	13197	725,90 €
Optima® Coating		56,00 €		56,00 €
Ultima® Add on (Round)		31,40 €		46,30 €
Ultima® Add on (Shape)		52,20 €		69,40 €
PUNCH			PUNCH	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2407	84,40 €	2398	97,00 €
Shape	2408	140,30 €	2399	161,30 €
Optima® Coating		56,00 €		56,00 €
Ultima® Add on (Round)		31,40 €		46,30 €
Ultima® Add on (Shape)		52,20 €		69,40 €
GUIDE			GUIDE	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	2859	141,50 €	2881	169,80 €
Shape 0°	2860	171,40 €	2882	205,70 €
Shape 0° & 45°	2861	171,40 €	2883	205,70 €
Shape 0° & 90°	2862	171,40 €	2884	205,70 €
STRIPPER			STRIPPER	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1890	13,70 €	2433	16,40 €
Shape	1917	46,10 €	2432	55,30 €
DIE			DIE	
	CAT. NO.	PRICE		
Round Slug Hugger®*	2194	54,90 €		
Round Standard	2021	28,90 €		
Shape Slug Hugger®*	2195	116,20 €		
Shape Standard	13804	74,40 €		
Ultima® Add on		33,20 €		

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

DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2097	2,00 €
0.76 mm	single	2723	2,00 €
1.50 mm	single	2100	2,00 €
0.25 mm	pack of 25	2209	32,50 €
0.76 mm	pack of 25	2724	32,50 €
1.50 mm	pack of 25	2173	32,50 €

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



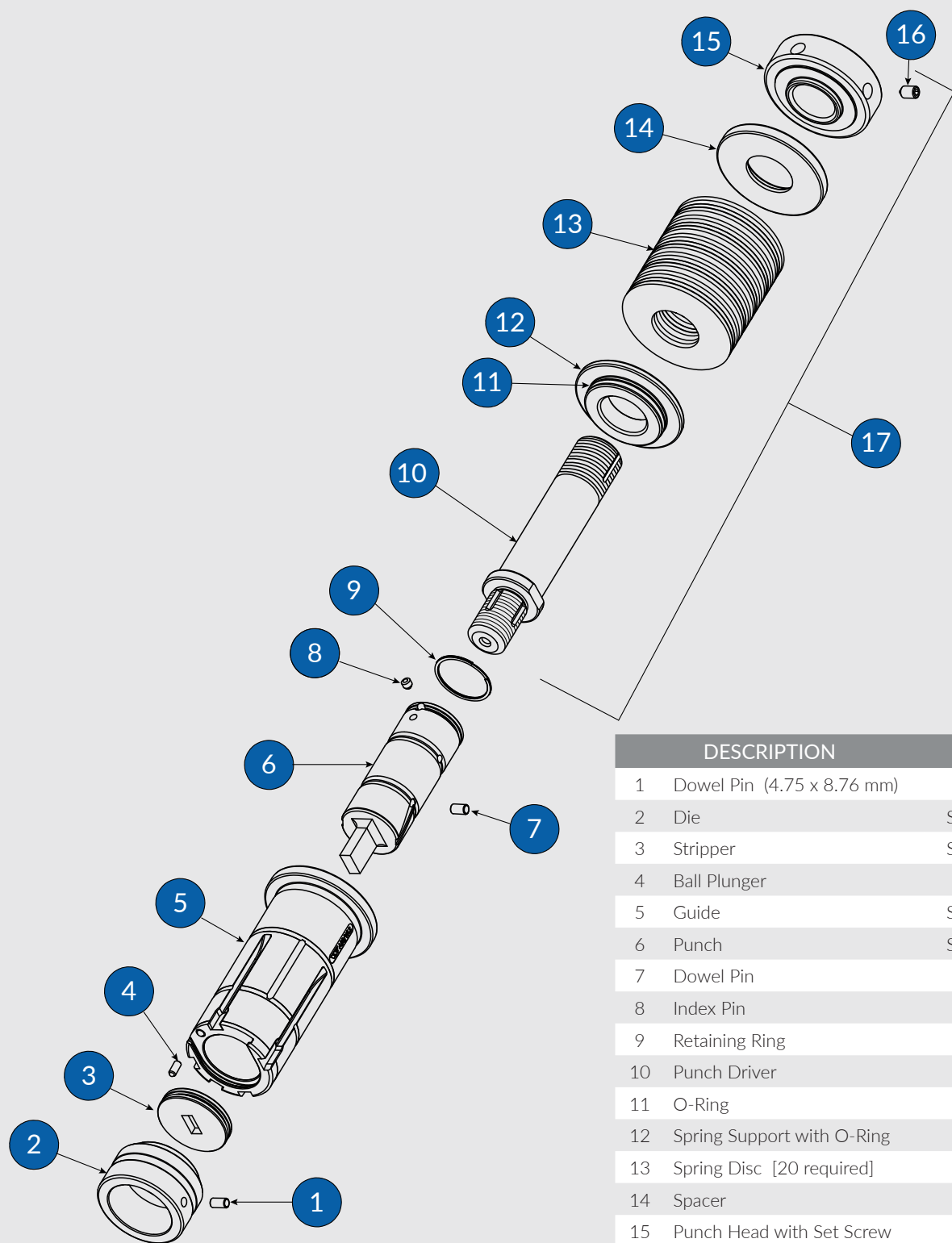
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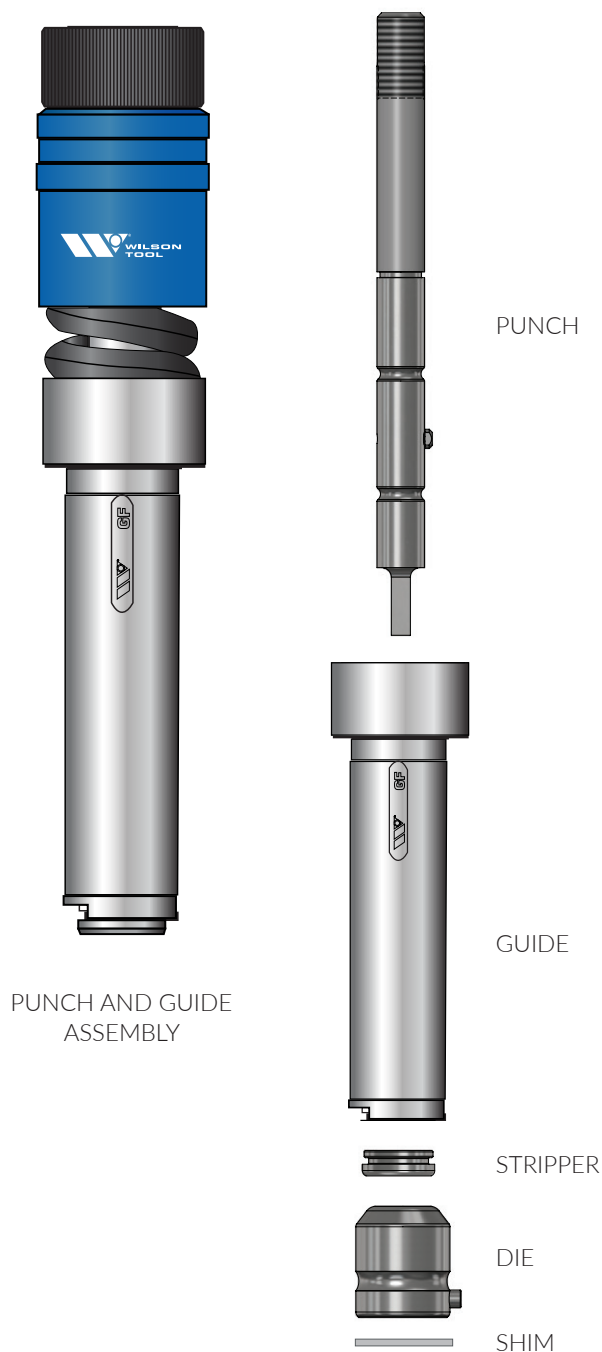


DD



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





PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	13453	159,20 €
Shape	13455	280,90 €
Optima® Coating		28,00 €
PUNCH	CAT. NO.	PRICE
Round	1807	40,30 €
Shape	1816	91,40 €
Optima® Coating		28,00 €
GUIDE	CAT. NO.	PRICE
Round	2821	88,60 €
Shape 0°	2822	148,90 €
Shape 0° & 45°	2903	148,90 €
Shape 0° & 90°	2904	148,90 €
STRIPPER	CAT. NO.	PRICE
Round	13044	14,90 €
Shape	13143	34,00 €
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2192	52,70 €
Round Standard	1808	28,30 €
Shape Slug Hugger®*	2193	96,00 €
Shape Standard	13801	63,80 €
Ultima® Add on		25,70 €

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

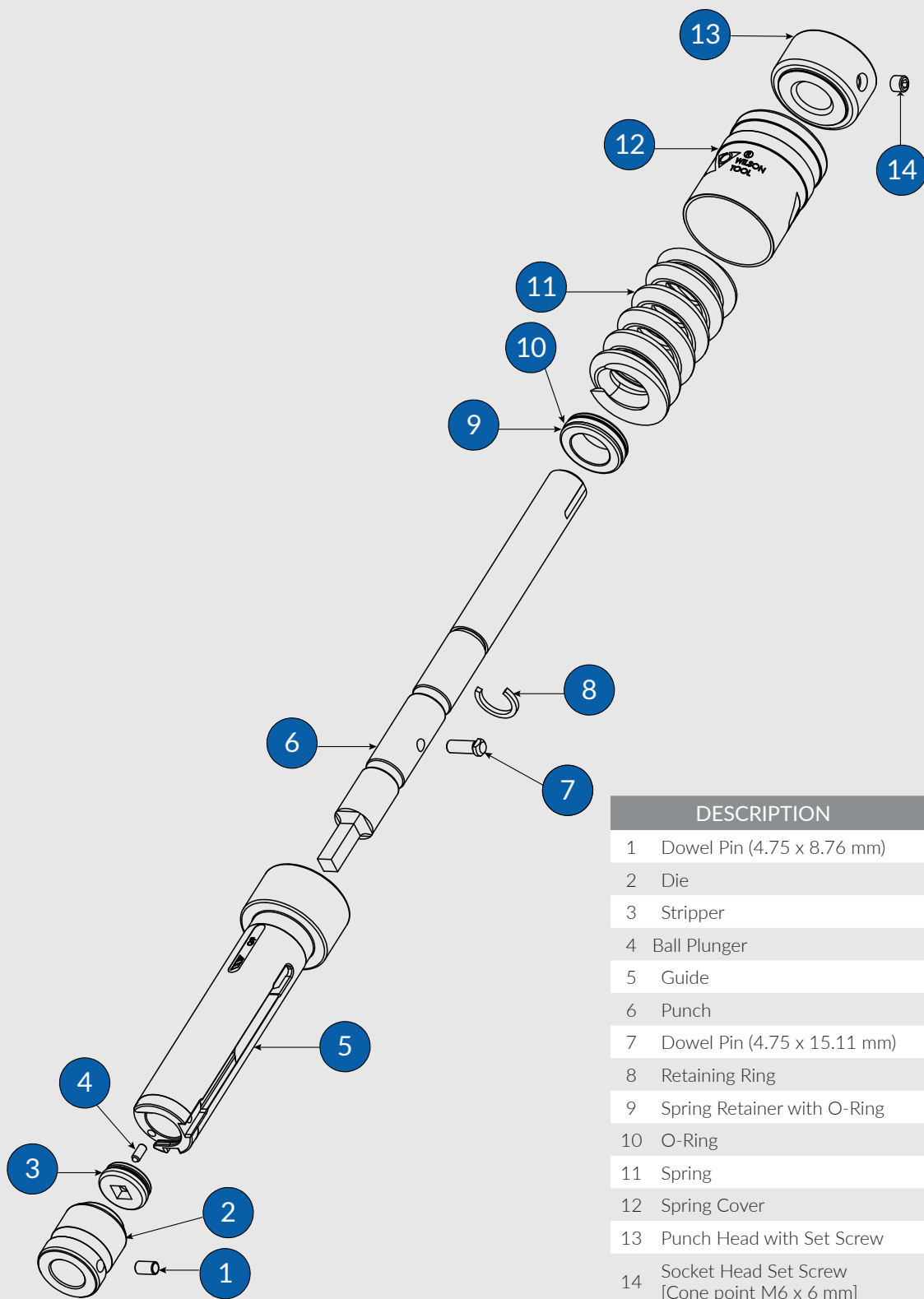
PUNCH SHIM	CAT. NO.	PRICE
1.50 mm single	1898	1,60 €
1.50 mm pack of 25	2167	31,60 €
DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2101	1,70 €
0.76 mm single	2721	1,70 €
1.50 mm single	2104	1,70 €
0.25 mm pack of 25	2208	30,80 €
0.76 mm pack of 25	2722	30,80 €
1.50 mm pack of 25	2172	30,80 €

Additional charges may apply to non-standard features.

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

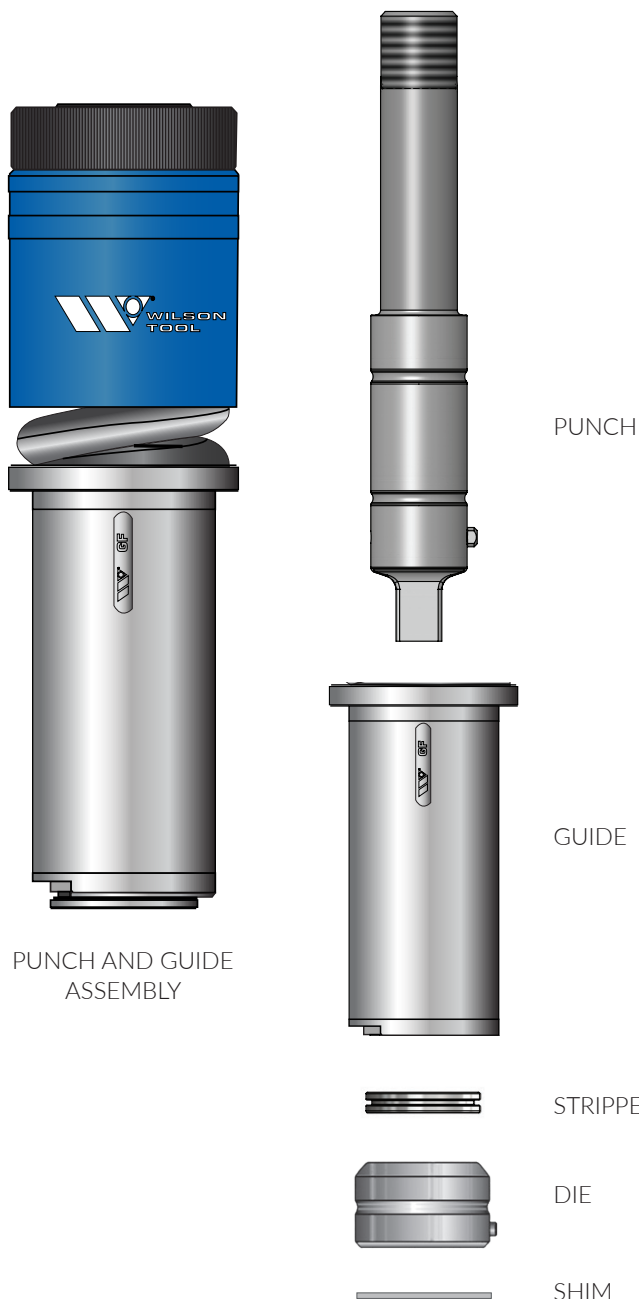
25 STANDARD SHAPES





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





PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
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Round	2851	228,30 €
Shape	2853	354,90 €
Optima® Coating		56,00 €

PUNCH	CAT. NO.	PRICE
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Round	1827	66,50 €
Shape	1839	121,80 €
Optima® Coating		56,00 €

GUIDE	CAT. NO.	PRICE
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Round	2859	141,50 €
Shape 0°	2860	171,40 €
Shape 0° & 45°	2861	171,40 €
Shape 0° & 90°	2862	171,40 €

STRIPPER	CAT. NO.	PRICE
----------	----------	-------

Round	1890	13,70 €
Shape	1917	46,10 €

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

Round Slug Hugger®*	2194	54,90 €
Round Standard	2021	28,90 €
Shape Slug Hugger®*	2195	116,20 €
Shape Standard	13804	74,40 €
Ultima® Add on		33,20 €

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

PUNCH SHIM	CAT. NO.	PRICE
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1.50 mm single	1899	1,90 €
1.50 mm pack of 25	2168	37,50 €

DIE SHIM	CAT. NO.	PRICE
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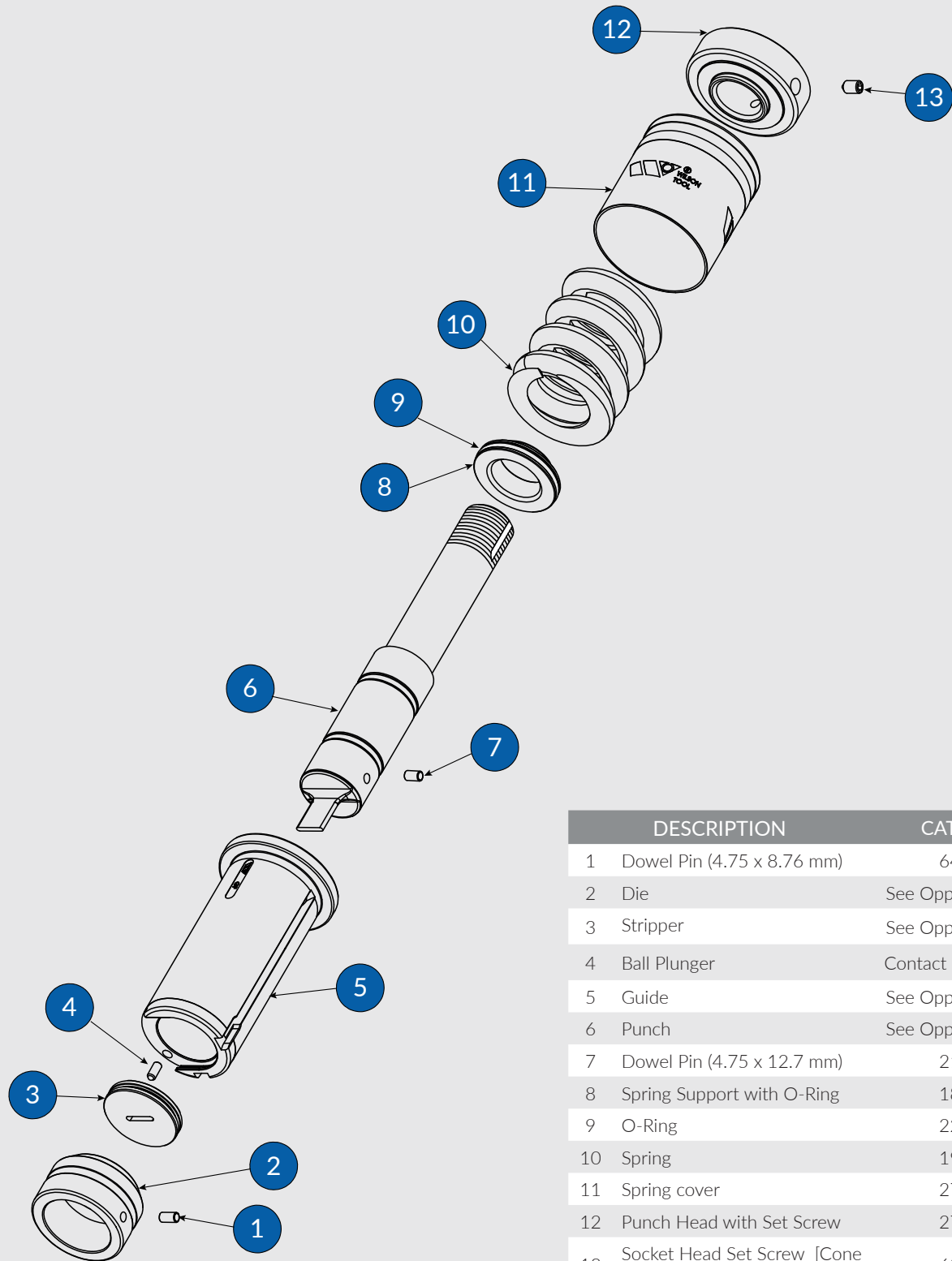
0.25 mm single	2097	2,00 €
0.76 mm single	2723	2,00 €
1.50 mm single	2100	2,00 €
0.25 mm pack of 25	2209	32,50 €
0.76 mm pack of 25	2724	32,50 €
1.50 mm pack of 25	2173	32,50 €

Additional charges may apply to non-standard features.

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

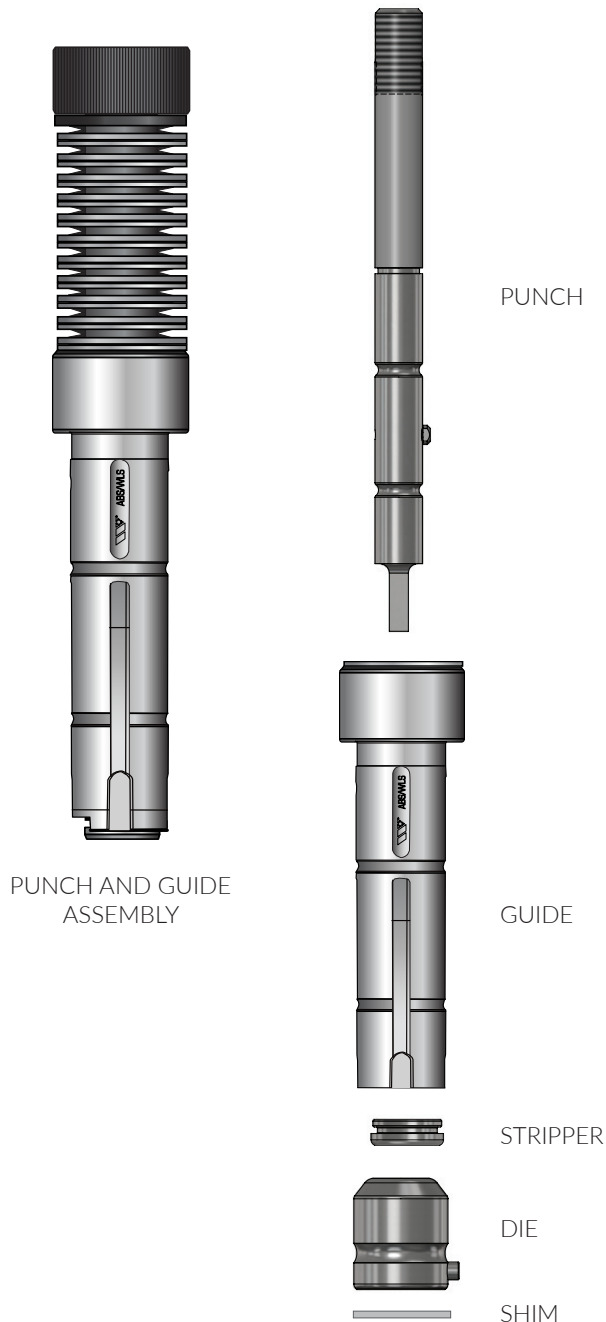
25 STANDARD SHAPES





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





PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	13514	255,60 €
Shape	13516	363,90 €
Optima® Coating		28,00 €
PUNCH	CAT. NO.	PRICE
Round	2303	53,80 €
Shape	2304	102,30 €
Optima® Coating		28,00 €
GUIDE	CAT. NO.	PRICE
Round	2821	88,60 €
Shape 0°	2822	148,90 €
Shape 0° & 45°	2903	148,90 €
Shape 0° & 90°	2904	148,90 €
STRIPPER	CAT. NO.	PRICE
Round	13044	14,90 €
Shape	13143	34,00 €
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2192	52,70 €
Round Standard	1808	28,30 €
Shape Slug Hugger®*	2193	96,00 €
Shape Standard	13801	63,80 €
Ultima® Add on		25,70 €

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

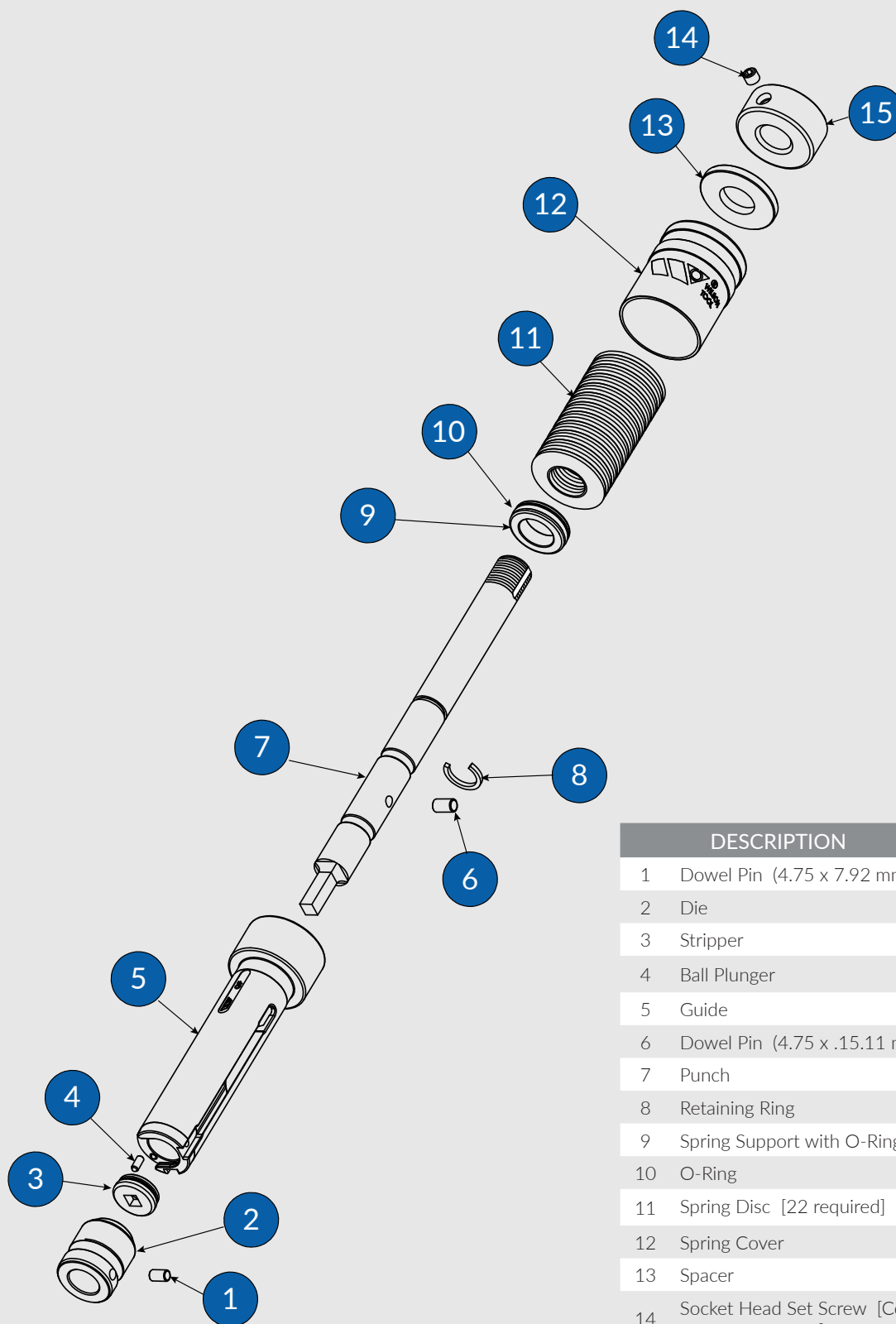
PUNCH SHIM	CAT. NO.	PRICE
1.50 mm single	1898	1,60 €
1.50 mm pack of 25	2167	31,60 €
DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2101	1,70 €
0.76 mm single	2721	1,70 €
1.50 mm single	2104	1,70 €
0.25 mm pack of 25	2208	30,80 €
0.76 mm pack of 25	2722	30,80 €
1.50 mm pack of 25	2172	30,80 €

Additional charges may apply to non-standard features.

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

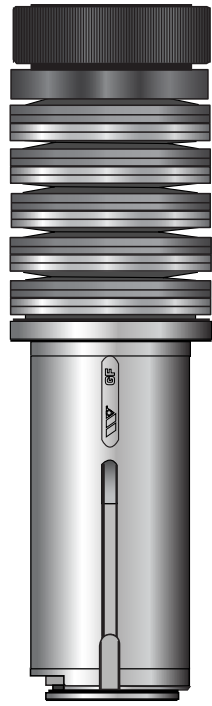
25 STANDARD SHAPES



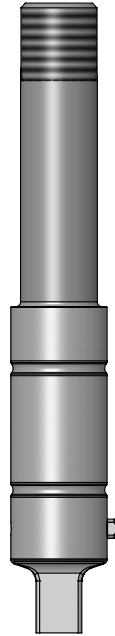


	DESCRIPTION	CAT. NO.
1	Dowel Pin (4.75 x 7.92 mm)	6013
2	Die	See Opposite Page
3	Stripper	See Opposite Page
4	Ball Plunger	Contact Sales Desk
5	Guide	See Opposite Page
6	Dowel Pin (4.75 x .15.11 mm)	6015
7	Punch	See Opposite Page
8	Retaining Ring	1805
9	Spring Support with O-Ring	2295
10	O-Ring	2282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

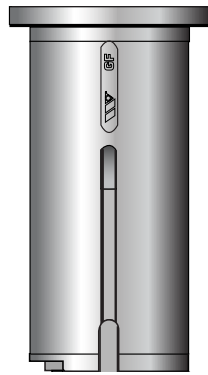




PUNCH AND GUIDE ASSEMBLY



PUNCH



GUIDE



STRIPPER



DIE



SHIM

PUNCH AND GUIDE ASSEMBLY	CAT. NO.	PRICE
Round	13520	397,50 €
Shape	13522	515,20 €
Optima® Coating		56,00 €

PUNCH	CAT. NO.	PRICE
Round	2305	78,20 €
Shape	2306	146,60 €
Optima® Coating		56,00 €

GUIDE	CAT. NO.	PRICE
Round	2859	141,50 €
Shape 0°	2860	171,40 €
Shape 0° & 45°	2861	171,40 €
Shape 0° & 90°	2862	171,40 €

STRIPPER	CAT. NO.	PRICE
Round	1890	13,70 €
Shape	1917	46,10 €

DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2194	54,90 €
Round Standard	2021	28,90 €
Shape Slug Hugger®*	2195	116,20 €
Shape Standard	13804	74,40 €
Ultima® Add on		33,20 €

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

PUNCH SHIM	CAT. NO.	PRICE
1.50 mm single	1899	1,90 €
1.50 mm pack of 25	2168	37,50 €

DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2097	2,00 €
0.76 mm single	2723	2,00 €
1.50 mm single	2100	2,00 €
0.25 mm pack of 25	2209	32,50 €
0.76 mm pack of 25	2724	32,50 €
1.50 mm pack of 25	2173	32,50 €

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



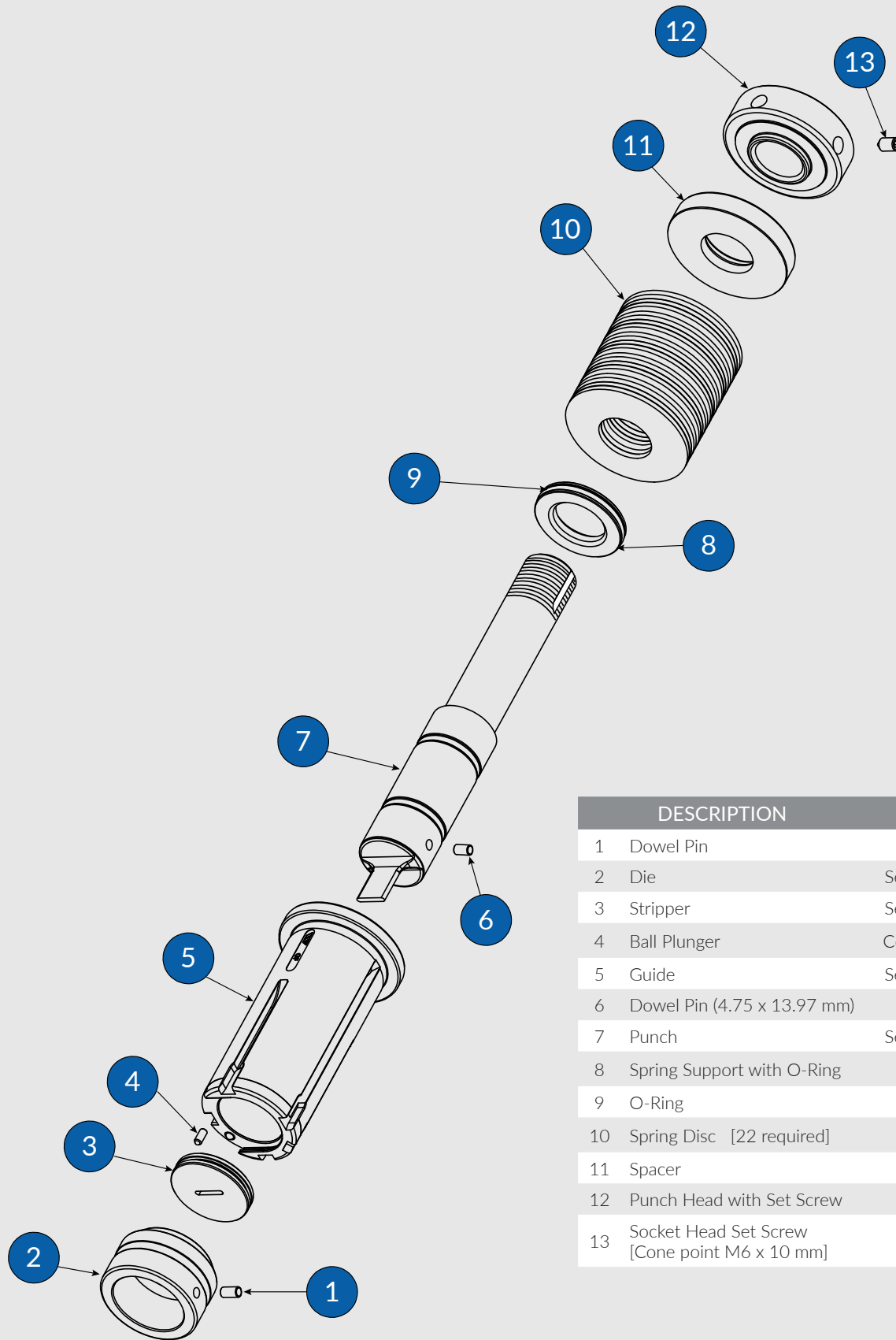
LD



OB



DD



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



WILSON THICK TURRET TOOLING



WILSON THICK TURRET TOOLING

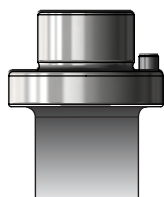


WILSON STYLE TOOLING SOLUTIONS

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



GUIDE
ASSEMBLY



PUNCH



STRIPPER



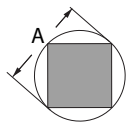
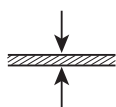
DIE



SHIM

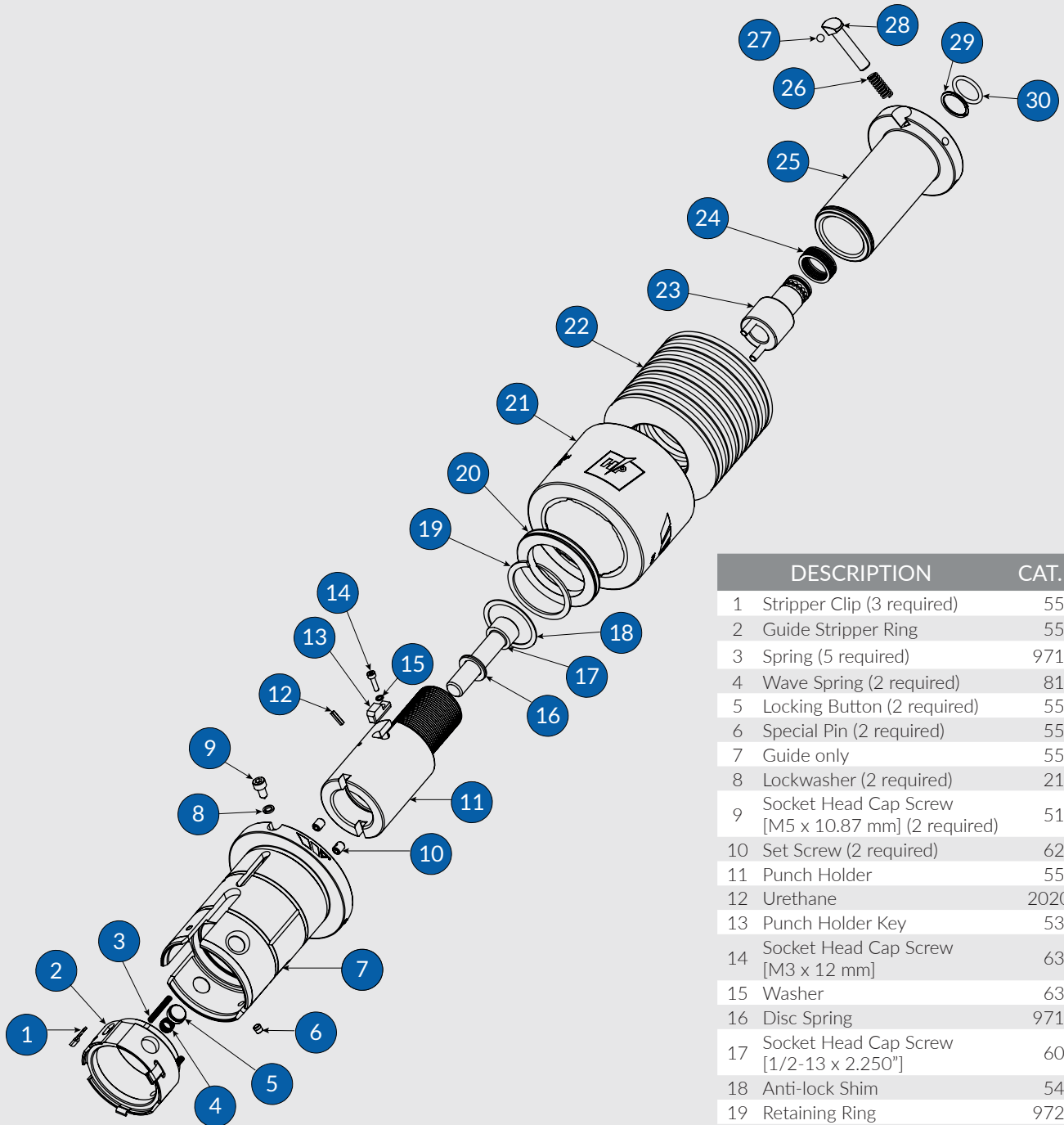
GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5552	2.089,00 €	5508	2.089,00 €
PUNCH				
	CAT. NO.	PRICE		
Round	5026	108,70 €		
Shape	5025	180,40 €		
Optima® Coating		95,10 €		
Ultima® Add on (Round)		40,40 €		
Ultima® Add on (Shape)		67,00 €		
HEAVY DUTY PUNCH				
	CAT. NO.	PRICE		
Round 12.7 - 31.75 mm	5117	110,60 €		
Round 31.77 - 41.27 mm	5120	110,60 €		
Shape 12.7 - 31.75 mm	5118	187,70 €		
Shape 31.77 - 41.27 mm	5119	187,70 €		
STRIPPER			CAT. NO.	PRICE
	CAT. NO.	PRICE		
Round	1848	34,30 €	5150	75,90 €
Shape	1854	55,50 €	5151	95,00 €
DIE				
	CAT. NO.	PRICE		
Round Slug Hugger®*	2196	143,40 €		
Round Standard	1850	94,70 €		
Shape Slug Hugger®*	2197	258,30 €		
Shape Standard	13807	202,80 €		
Ultima® Add on		80,60 €		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM			CAT. NO.	PRICE
0.25 mm	single	2089	8,80 €	
0.76 mm	single	2725	8,80 €	
1.50 mm	single	2092	8,80 €	
0.25 mm	pack of 10	2210	64,30 €	
0.76 mm	pack of 10	2726	64,30 €	
1.50 mm	pack of 10	2174	64,30 €	

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



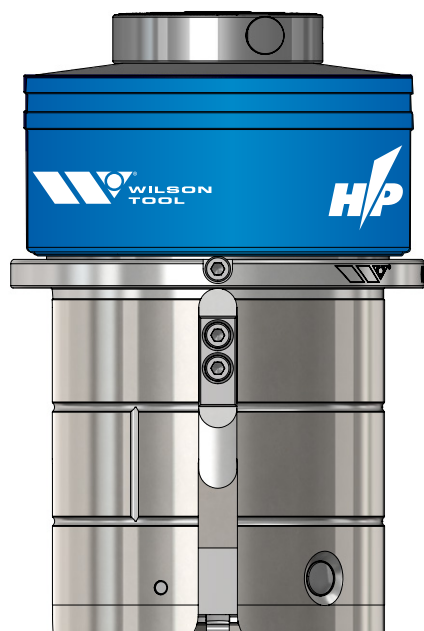


Cat. No. 5509 Guide Unit Assembly includes:
1, 2, 3, 5, 6, 7, 8, & 9

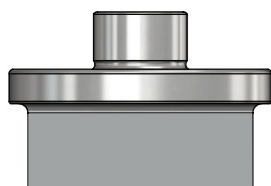
Cat. No. 5724 Driver Assembly includes:
19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 & 30

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





GUIDE
ASSEMBLY



PUNCH



STRIPPER



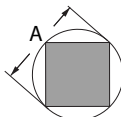
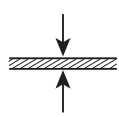
DIE



SHIM

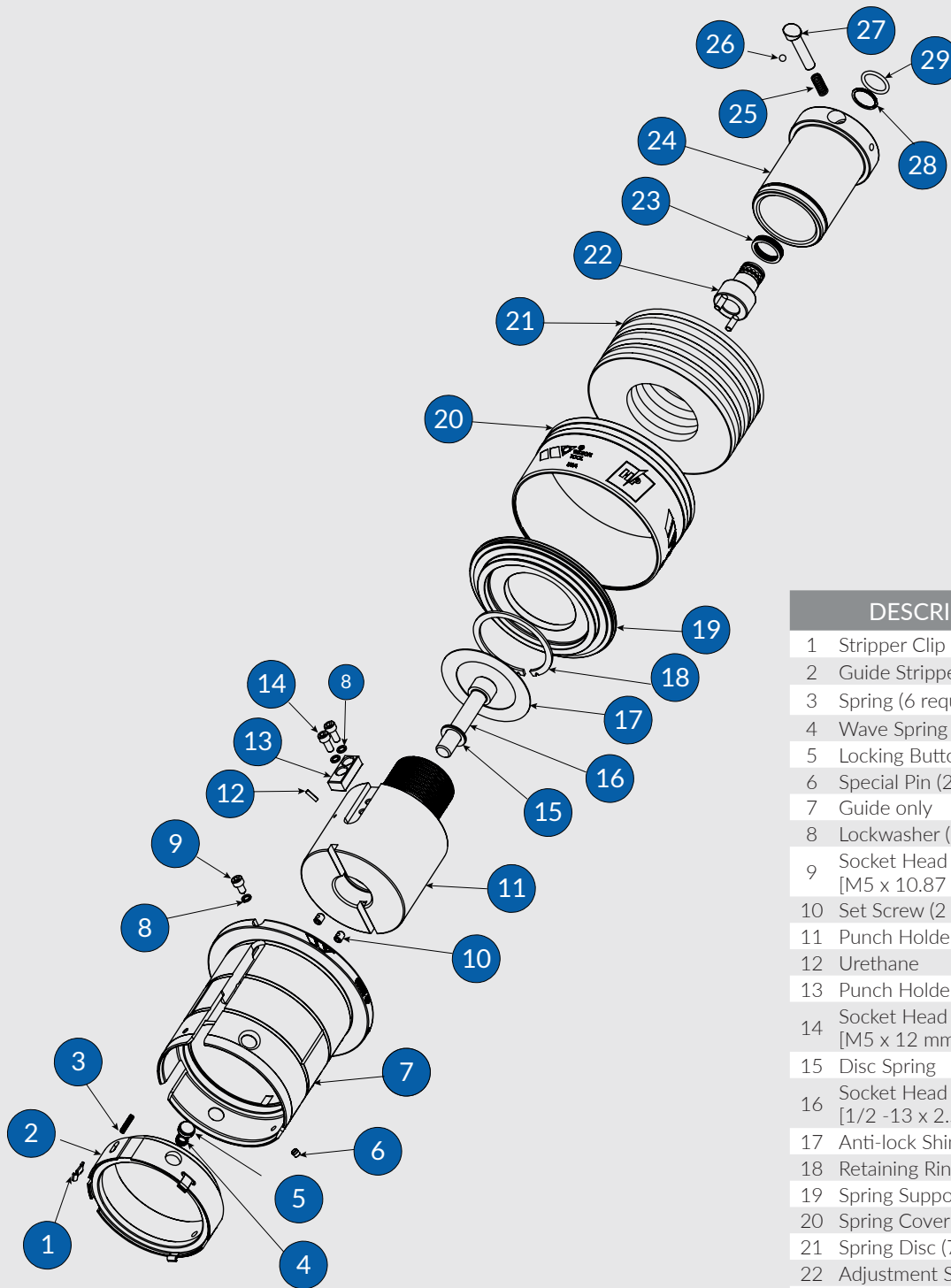
GUIDE ASSEMBLY			ABS	
	CAT. NO.	PRICE	CAT. NO.	PRICE
Assembly	5553	2.616,50 €	5523	2.616,50 €
PUNCH				
	CAT. NO.	PRICE		
Round	5028	169,80 €		
Shape	5027	259,50 €		
Optima® Coating		95,10 €		
Ultima® Add on (Round)		63,20 €		
Ultima® Add on (Shape)		96,40 €		
STRIPPER			CAT. NO.	PRICE
Round	1864	52,80 €	5152	93,90 €
Shape	1869	63,80 €	5153	137,30 €
DIE				
	CAT. NO.	PRICE		
Round Slug Hugger®*	2198	188,80 €		
Round Standard	1865	132,10 €		
Shape Slug Hugger®*	2199	331,40 €		
Shape Standard	13810	281,10 €		
Ultima® Add on		115,70 €		
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.				
DIE SHIM				
	CAT. NO.	PRICE		
0.25 mm single	2081	10,20 €		
0.76 mm single	2727	10,20 €		
1.50 mm single	2084	10,20 €		
0.25 mm pack of 5	2211	45,30 €		
0.76 mm pack of 5	2728	45,30 €		
1.50 mm pack of 5	2175	45,30 €		

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES





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

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

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





GUIDE ASSEMBLY

GUIDE ASSEMBLY	CAT. NO.	PRICE	ABS	
			CAT. NO.	PRICE
Assembly	5554	2.806,60 €	5533	2.806,60 €

PUNCH	CAT. NO.	PRICE
Round	5030	241,50 €
Shape	5029	382,90 €
Optima® Coating		95,10 €
Ultima® Add on (Round)		89,70 €
Ultima® Add on (Shape)		142,20 €

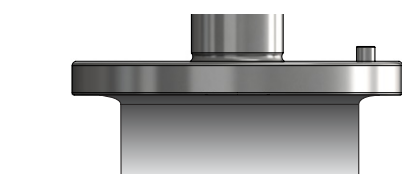
STRIPPER	CAT. NO.	PRICE	CAT. NO.	PRICE
Round	1877	70,20 €	5154	131,90 €
Shape	1882	103,90 €	5155	192,00 €

DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2200	394,50 €
Round Standard	1878	230,70 €
Shape Slug Hugger®*	2201	512,70 €
Shape Standard	13817	439,20 €
Ultima® Add on		181,20 €

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

DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2073	14,90 €
0.76 mm single	2729	14,90 €
1.5 mm single	2076	14,90 €
0.25 mm pack of 5	2212	61,30 €
0.76 mm pack of 5	2730	61,30 €
1.5 mm pack of 5	2176	61,30 €

Additional charges may apply to non-standard features.



PUNCH



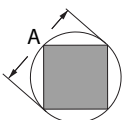
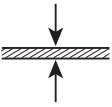
STRIPPER



DIE



SHIM

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



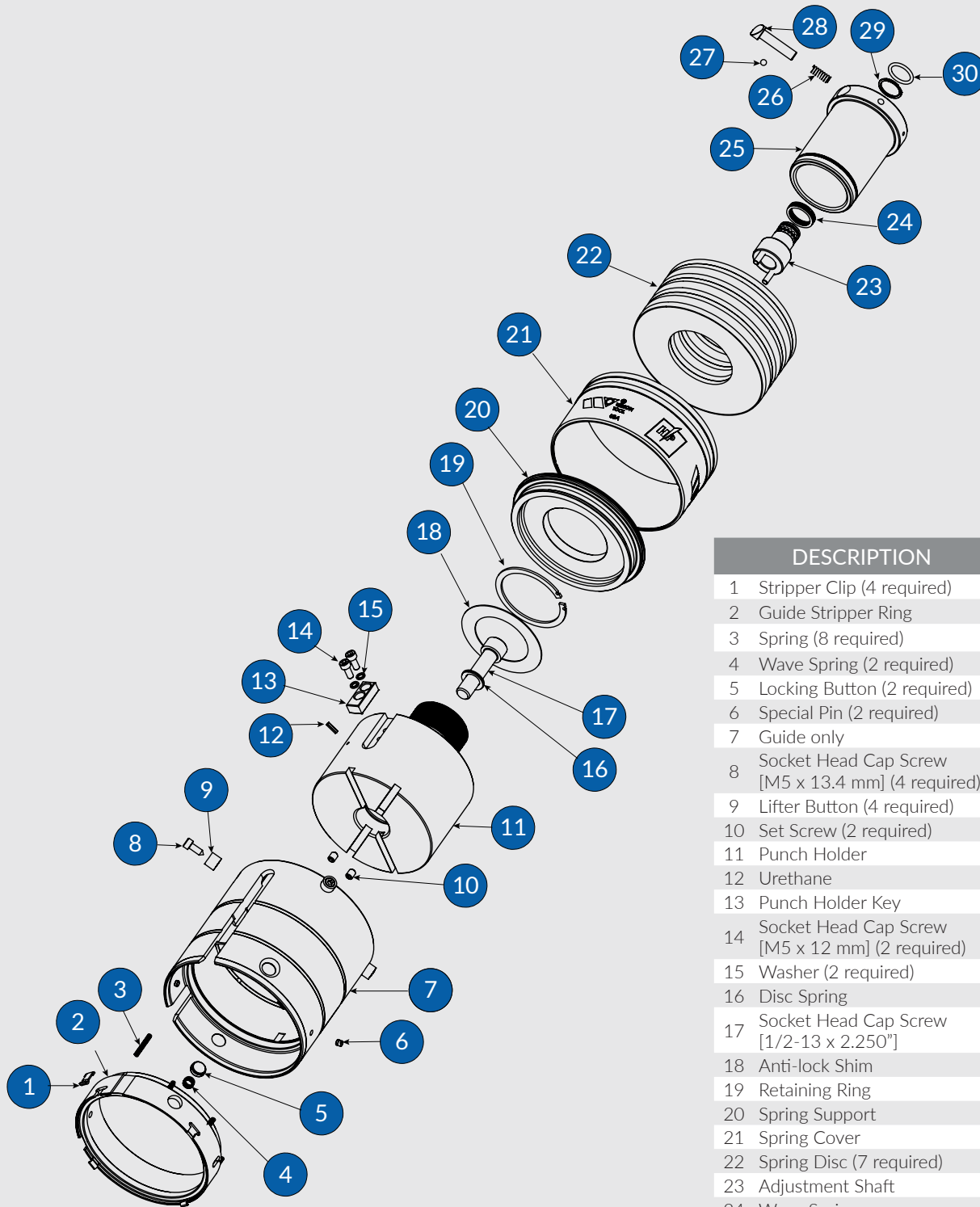
LD



OB



DD

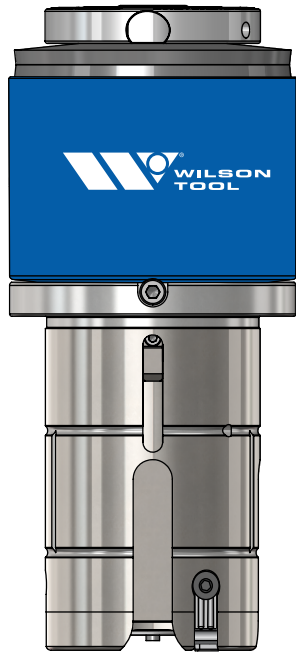


Cat. No. 5534 Guide Unit Assembly includes:
1, 2, 3, 5, 6, 7, 8, & 9

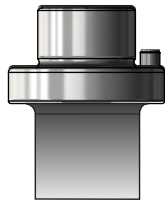
Cat. No. 5726 Driver Assembly includes:
9, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 & 30

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





GUIDE
ASSEMBLY



PUNCH



STRIPPER



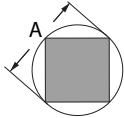
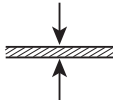
DIE



SHIM

GUIDE ASSEMBLY		CAT. NO.	PRICE
Standard Assembly		5586	1.537,20 €
PUNCH		CAT. NO.	PRICE
Round		5026	108,70 €
Shape		5025	180,40 €
Optima® Coating			95,10 €
Ultima® Add on (Round)			40,40 €
Ultima® Add on (Shape)			67,00 €
STRIPPER		CAT. NO.	PRICE
Round		1848	34,30 €
Shape		1854	55,50 €
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		2196	143,40 €
Round Standard		1850	94,70 €
Shape Slug Hugger®*		2197	258,30 €
Shape Standard		13807	202,80 €
Ultima® Add on			80,60 €
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2089	8,80 €
0.76 mm	single	2725	8,80 €
1.50 mm	single	2092	8,80 €
0.25 mm	pack of 10	2210	64,30 €
0.76 mm	pack of 10	2726	64,30 €
1.50 mm	pack of 10	2174	64,30 €

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



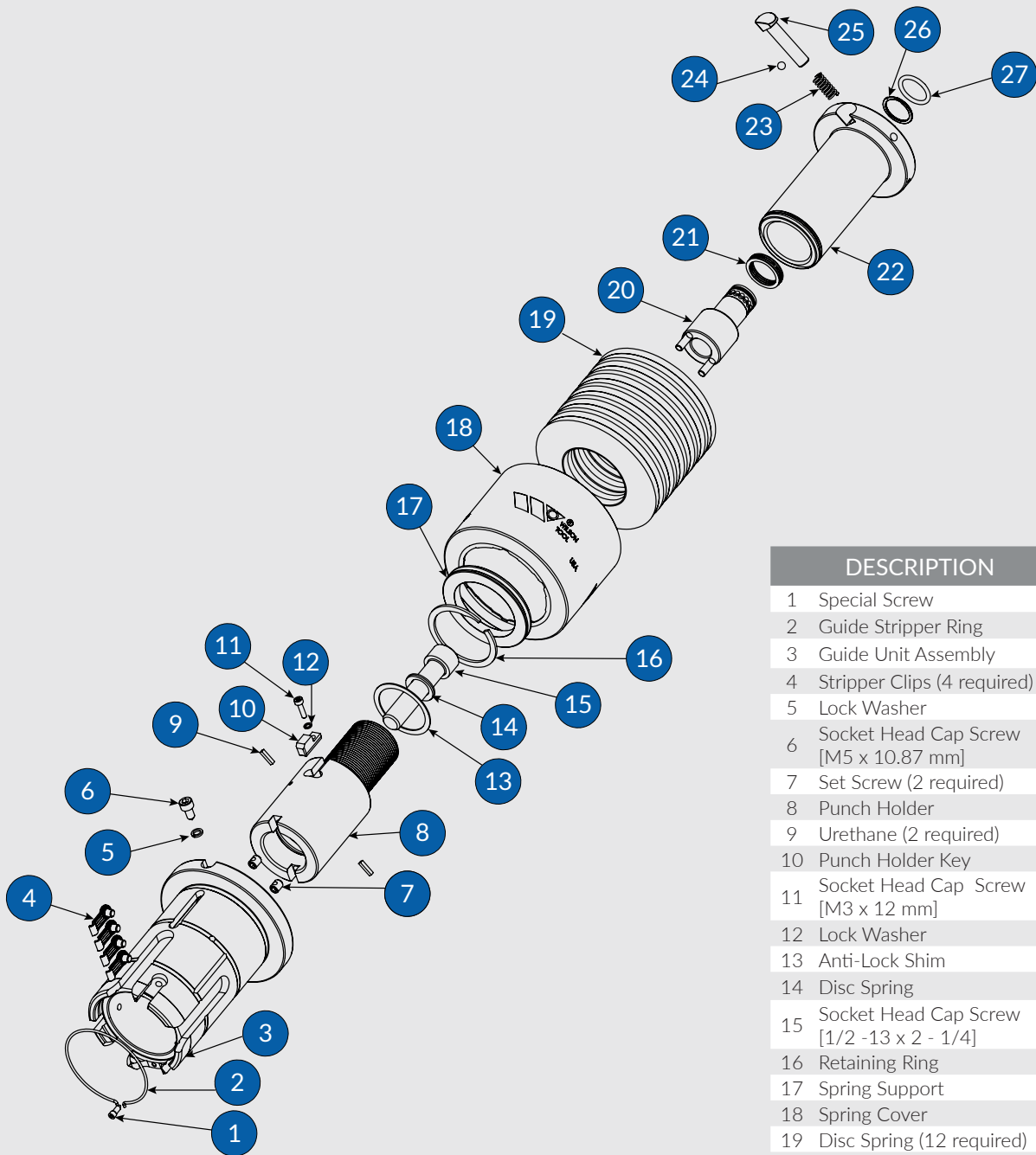
LD



OB



DD

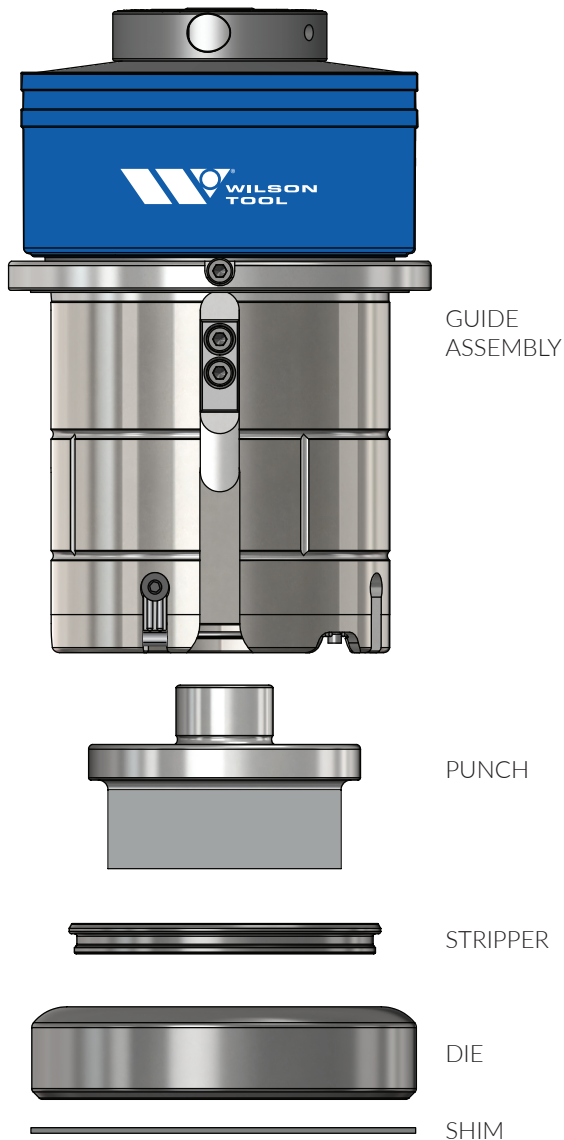


Cat. No. 5420 Guide Unit Assembly includes:
1, 2, 5 & 6

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

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

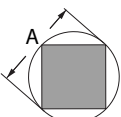
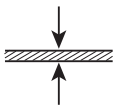




GUIDE ASSEMBLY		CAT. NO.	PRICE
Standard Assembly		5587	1.854,90 €
PUNCH		CAT. NO.	PRICE
Round		5028	169,80 €
Shape		5027	259,50 €
Optima® Coating			95,10 €
Ultima® Add on (Round)			63,20 €
Ultima® Add on (Shape)			96,40 €
STRIPPER		CAT. NO.	PRICE
Round		1864	52,80 €
Shape		1869	63,80 €
DIE		CAT. NO.	PRICE
Round Slug Hugger®*		2198	188,80 €
Round Standard		1865	132,10 €
Shape Slug Hugger®*		2199	331,40 €
Shape Standard		13810	281,10 €
Ultima® Add on			115,70 €
DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2081	10,20 €
0.76 mm	single	2727	10,20 €
1.50 mm	single	2084	10,20 €
0.25 mm	pack of 5	2211	45,30 €
0.76 mm	pack of 5	2728	45,30 €
1.50 mm	pack of 5	2175	45,30 €

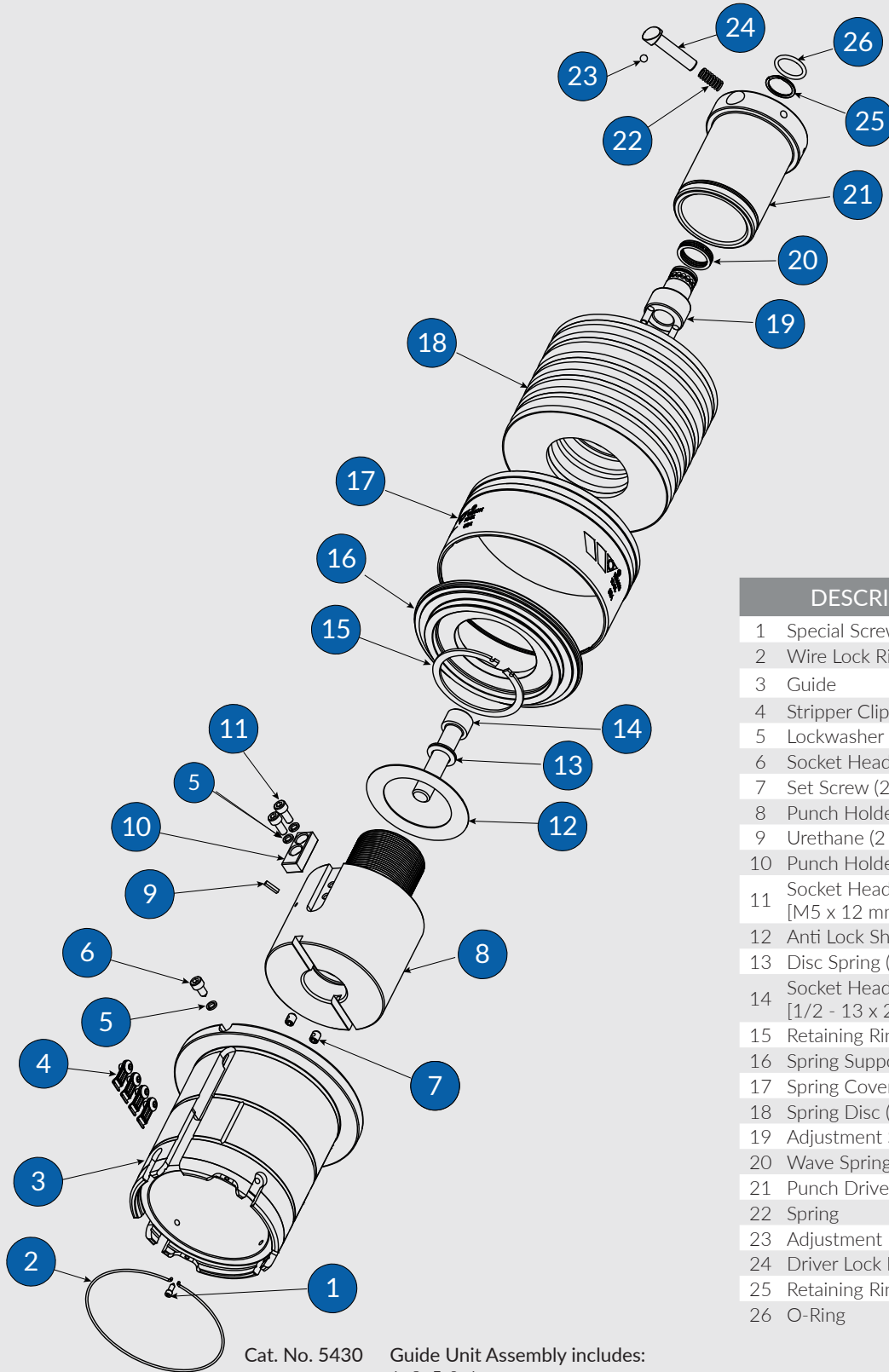
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES





Cat. No. 5430

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

Cat. No. 5730

Driver Assembly includes:
11, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 & 25

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





GUIDE
ASSEMBLY



PUNCH



STRIPPER



DIE



SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Standard Assembly	5588	2.004,60 €
LVD Assembly	35205	2.004,60 €

PUNCH	CAT. NO.	PRICE
Round	5030	241,50 €
Shape	5029	382,90 €
Optima® Coating		95,10 €
Ultima® Add on (Round)		89,70 €
Ultima® Add on (Shape)		142,20 €

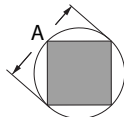
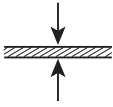
STRIPPER	CAT. NO.	PRICE
Round	1877	70,20 €
Shape	1882	103,90 €

DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2200	394,50 €
Round Standard	1878	230,70 €
Shape Slug Hugger®*	2201	512,70 €
Shape Standard	13817	439,20 €
Ultima® Add on		181,20 €

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

DIE SHIM		CAT. NO.	PRICE
0.25 mm	single	2073	14,90 €
0.76 mm	single	2729	14,90 €
1.50 mm	single	2076	14,90 €
0.25 mm	pack of 5	2212	61,30 €
0.76 mm	pack of 5	2730	61,30 €
1.50 mm	pack of 5	2176	61,30 €

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES



RT



RTF



RTC



SQ



S161



SQF



QD



HX



OT



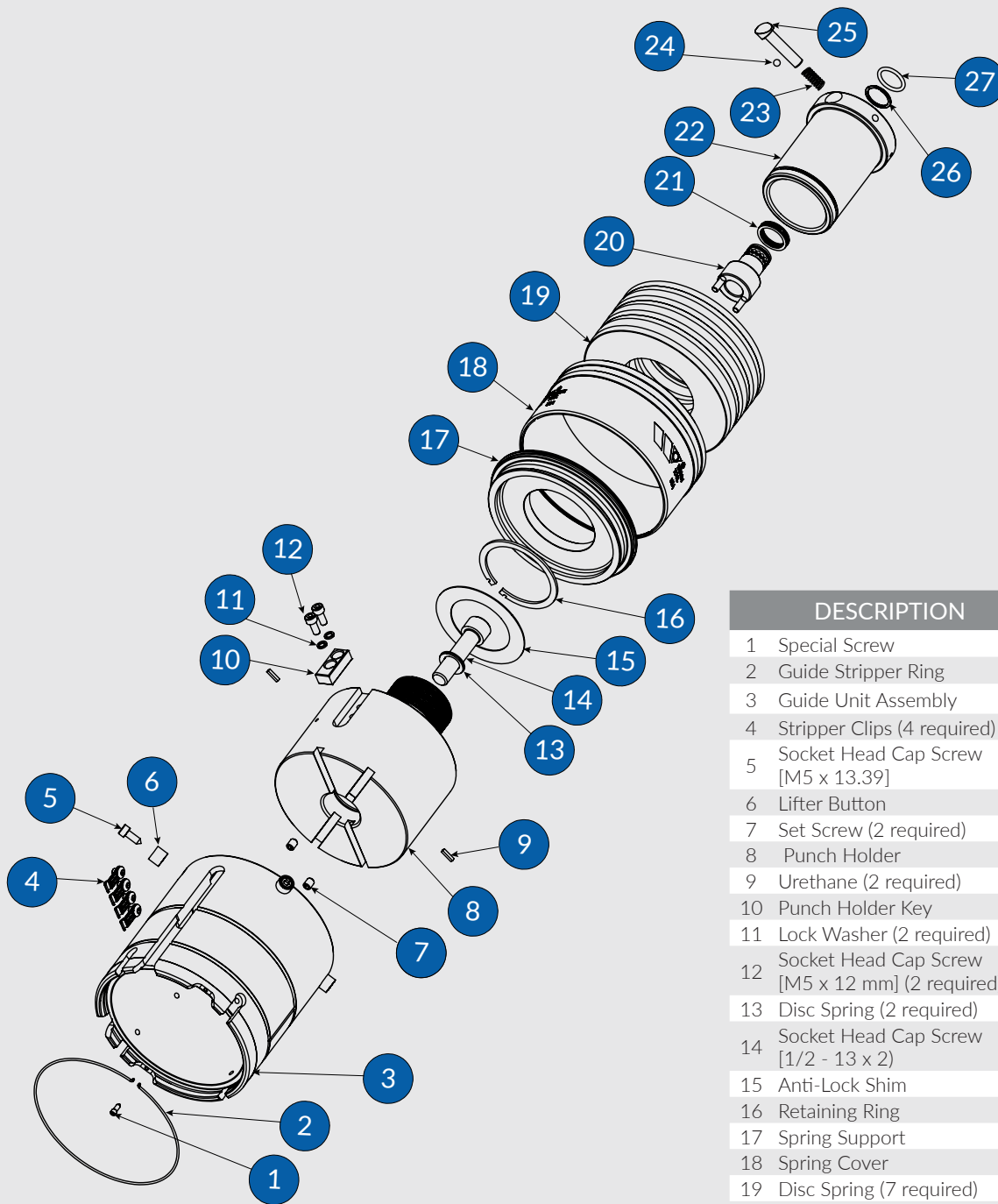
LD



OB



DD



Cat. No. 5438 Guide Unit Assembly includes:

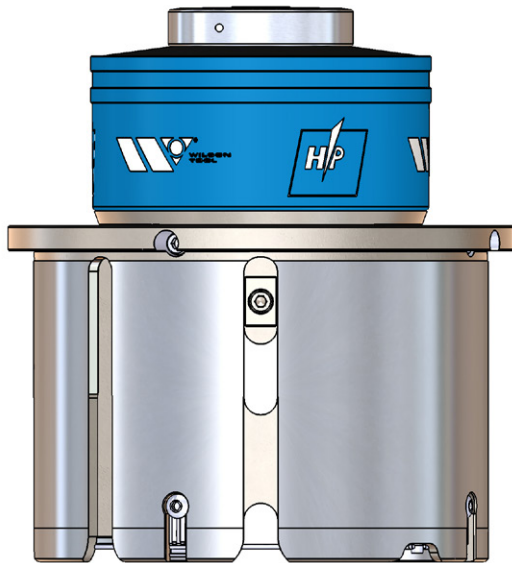
Cat. No. 5731 Driver Assembly includes:

1, 2, 3, 5 & 6

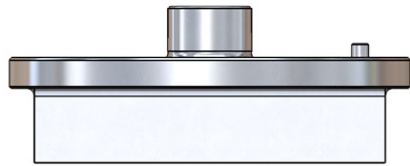
18, 19, 20, 21, 22, 23, 24, 25 & 26

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





GUIDE
ASSEMBLY



PUNCH



STRIPPER



DIE



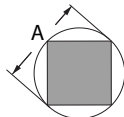
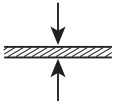
SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Standard Assembly	14880	3.906,50 €
PUNCH	CAT. NO.	
Round	5039	763,70 €
Shape	5040	826,90 €
Optima® Coating		131,90 €
STRIPPER	CAT. NO.	
Round	1907	140,30 €
Shape	1909	254,70 €
DIE	CAT. NO.	
Round Slug Hugger®*	2202	737,70 €
Round Standard	1910	687,20 €
Shape Slug Hugger®*	2203	941,80 €
Shape Standard	13822	826,90 €

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

DIE SHIM	CAT. NO.	
0.25 mm single	24269	14,90 €
0.76 mm single	24270	14,90 €
1.50 mm single	24271	14,90 €

Additional charges may apply to non-standard features.

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

25 STANDARD SHAPES

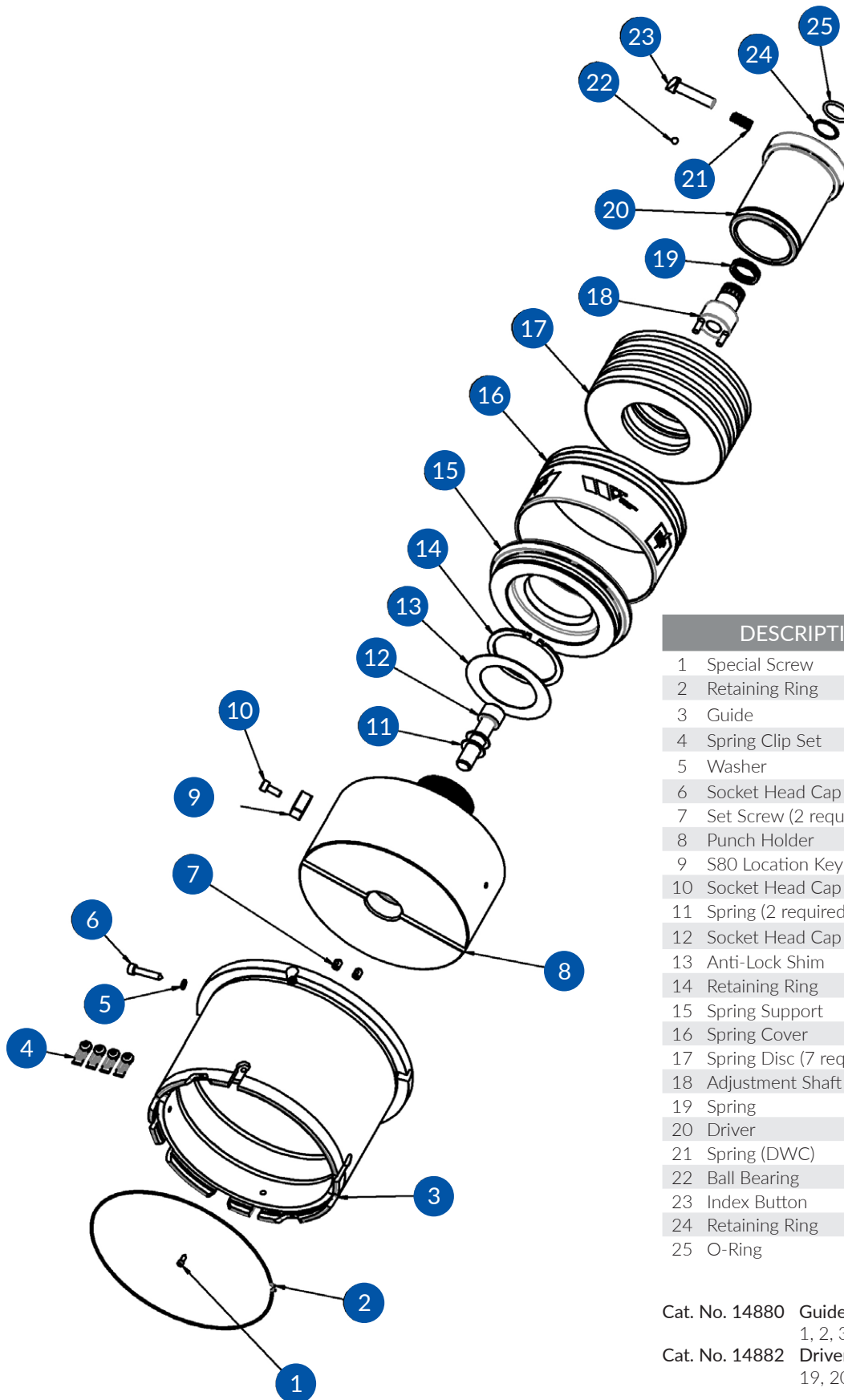


STANDARD F STATION REPLACEMENT PARTS



F

WILSON STYLE

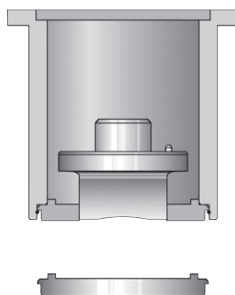


DESCRIPTION	CAT. NO.
1 Special Screw	429
2 Retaining Ring	5052
3 Guide	14884
4 Spring Clip Set	2810
5 Washer	2112
6 Socket Head Cap Screw	988702
7 Set Screw (2 required)	6298
8 Punch Holder	14885
9 S80 Location Key	5041
10 Socket Head Cap Screw	6325
11 Spring (2 required)	971690
12 Socket Head Cap Screw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

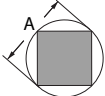
Cat. No. 14880 Guide Unit Assembly includes:
1, 2, 3, 5, 6, 7, 8 & 9

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





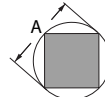
STATION	MAX PUNCH 'A' DIMENSION	SHAPE	HP		HP ABS/WLS		S-90		S-90 ABS/WLS	
			CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
C	50.8 mm	Round	2469	237,60 €	5643	278,60 €	5067	261,50 €	5453	278,60 €
		Shape	2470	270,00 €	5644	315,70 €	5068	297,10 €	5454	315,70 €
D	88.9 mm	Round	2471	356,10 €	5645	402,20 €	5069	356,10 €	5455	402,20 €
		Shape	2472	369,30 €	5646	423,60 €	5070	369,30 €	5456	423,60 €
E	114.3 mm	Round	2473	434,60 €	5647	488,30 €	5071	446,30 €	5457	488,30 €
		Shape	2474	516,30 €	5648	576,80 €	5072	527,70 €	5458	576,80 €

DESCRIPTION	MAX. 'A' DIMENSION	ADVANTAGES	NOTES
The Notcher stripper plate is a hardened tool steel stripper plate that is precision ground to exacting tolerances. Uniquely designed to give the rigidity and slip fit of a special notching unit.	See chart above 	- Longer tool life - Standard punch can be used	Designed to fit Wilson Tool manufactured guide assemblies.

BONDED URETHANE STRIPPER PLATES



STATION	MAX PUNCH 'A' DIMENSION	SHAPE	HP	
			CAT. NO.	PRICE
A	12.7 mm	Round	14863	€ 140,30
		Shape	14864	€ 156,70
B	31.75 mm	Round	14866	€ 140,80
		Shape	14867	€ 172,40
C	50.8 mm	Round	14869	€ 205,20
		Shape	14870	€ 222,00
D	88.9 mm	Round	14872	€ 221,70
		Shape	14873	€ 259,00
E	114.3 mm	Round	14875	€ 254,50
		Shape	14876	€ 313,00

DESCRIPTION	MAX. 'A' DIMENSION	ADVANTAGES	NOTES
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.

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

Wear-Beater™

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

Optima®

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

Slip-Max™

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



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

ULTIMA® PREMIUM TOOL STEEL IMPROVES DURABILITY AND PERFORMANCE

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

A New Level of Performance

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

Remarkable Downtime Reductions

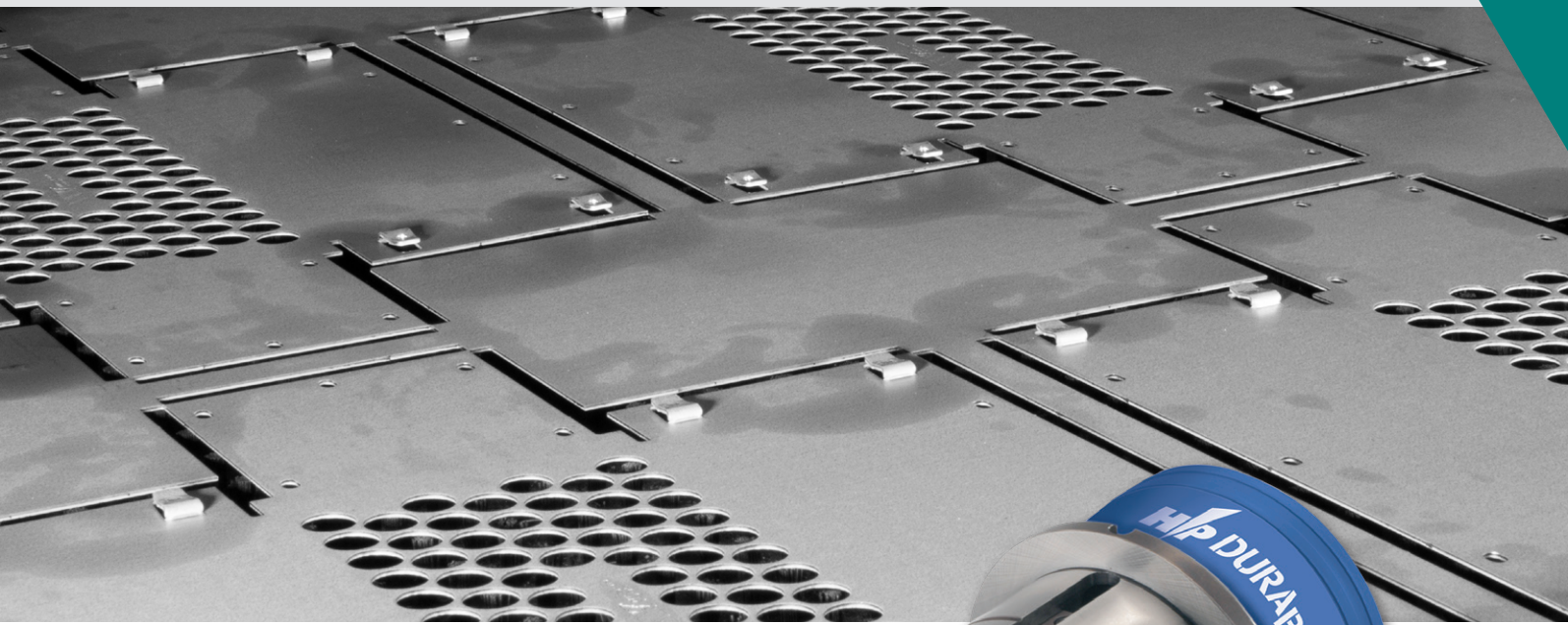
With up to twice as long between regrinds, Ultima punches and dies substantially reduce downtime and tool replacement costs. Breaking, chipping, cracking, tool fatigue and other problems are minimized, providing long-term gains in productivity and profitability.

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



EXP punches shown

PARTING TOOLS



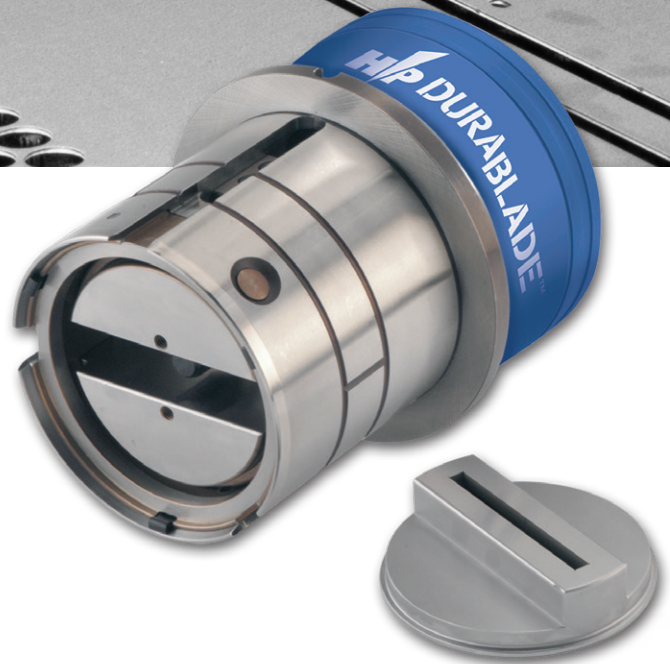
Parting and slitting are common practices

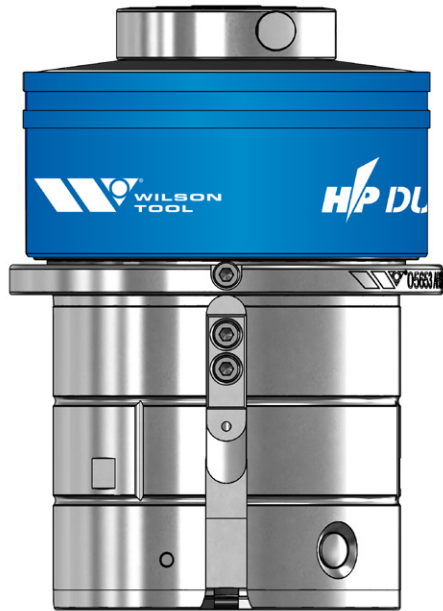
in sheet metal fabrication. Whether you are parting nested parts or straightening the edge of the sheet, you need a product that is rigid and delivers a long tool life.

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

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

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





GUIDE
ASSEMBLY



PUNCH



STRIPPER



DIE



SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	5663	2.995,40 €
Assembly ABS /WLS	5653	2.995,40 €

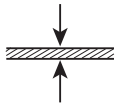
PUNCH	CAT. NO.	PRICE
Insert	5657	339,70 €
Optima® Coating		95,10 €

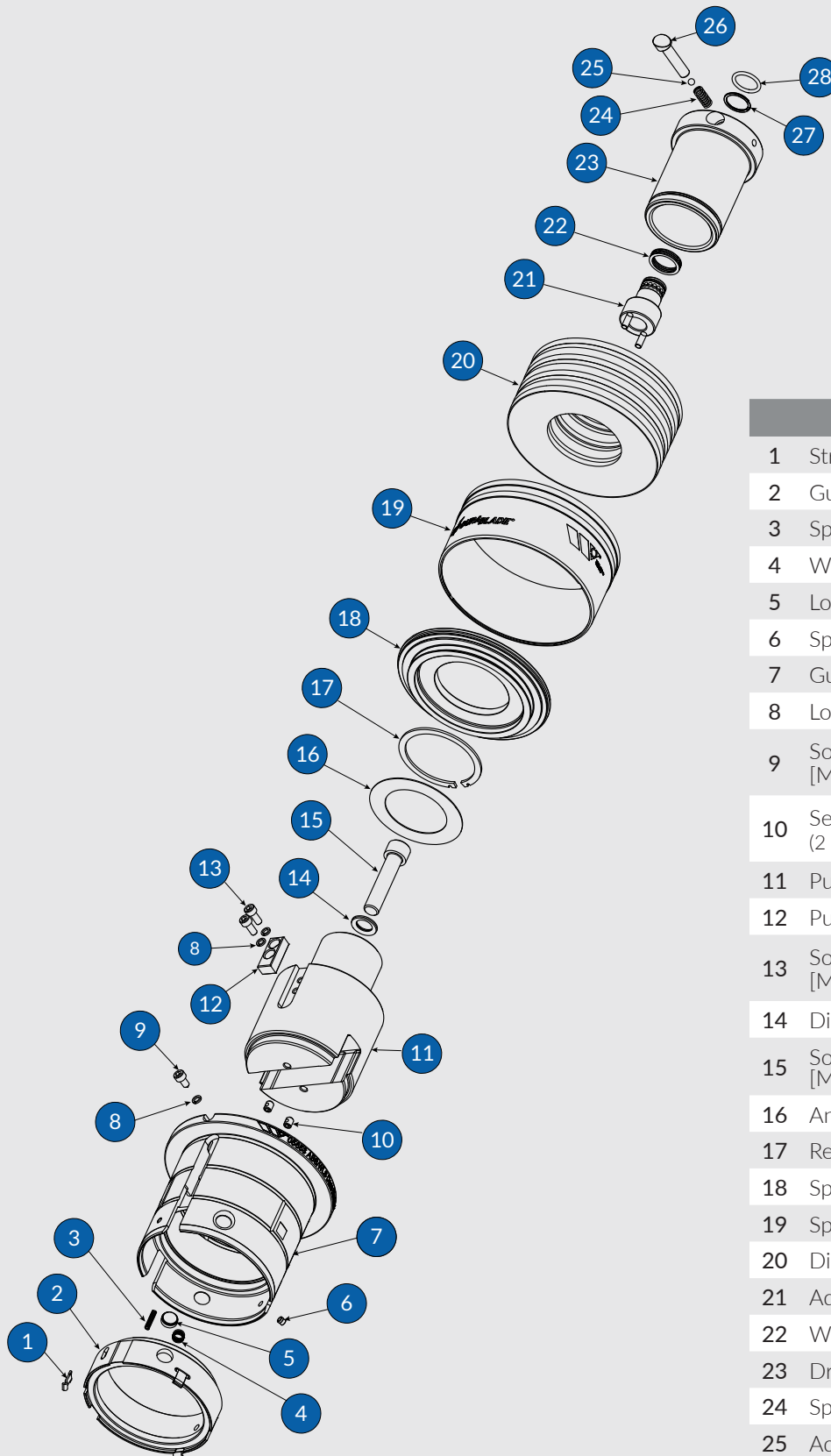
STRIPPER	CAT. NO.	PRICE
One Sided Relief	5665	405,50 €
One Sided Relief ABS	5666	514,70 €
Two Sided Relief	5656	405,50 €
Two Sided Relief ABS	5664	514,70 €

DIE	CAT. NO.	PRICE
Slug Hugger® * (relief 2 sides, shape at 90°)	5157	420,90 €
Slug Hugger® * (relief 2 sides, shape at 0°-90°)	5330	486,30 €
Slug Hugger® * (relief 1 side, shape at 90°)	2464	395,60 €
Slug Hugger® * (relief 1 side, shape at 0°-90°)	5333	483,80 €
Standard (relief 2 sides, shape at 90°)	13814	361,00 €
Standard (relief 2 sides, shape at 0°-90°)	13813	411,60 €
Standard (relief 1 side, shape at 90°)	13812	349,20 €
Standard (relief 1 side, shape at 0°-90°)	13811	411,60 €

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

DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2081	10,20 €
0.76 mm single	2727	10,20 €
1.5 mm single	2084	10,20 €
0.25 mm pack of 5	2211	45,30 €
0.76 mm pack of 5	2728	45,30 €
1.5 mm pack of 5	2175	45,30 €

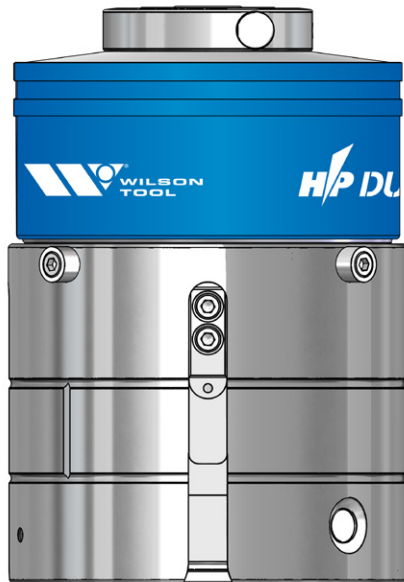
DESCRIPTION	MAX WIDTH FOR BLADE INSERT	MAX. MATERIAL THICKNESS	NOTES
Dura Blade guide assemblies are keyed for shapes at 0°, 45°, and 90°. Punch blades are Ultima Premium tool steel.	19.05 mm	6.35 mm 	Ultima® Premium tool steel is available on dies.



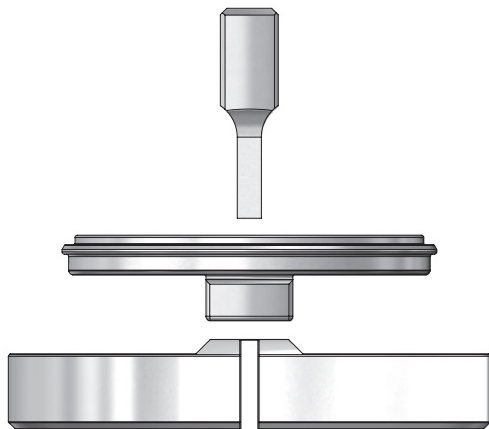
Cat. No. 5654 Guide Unit Assembly includes:
1, 2, 3, 5, 6, 7, 8, & 9

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

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



GUIDE
ASSEMBLY



PUNCH

STRIPPER

DIE



SHIM

GUIDE ASSEMBLY	CAT. NO.	PRICE
Assembly	5639	3.205,30 €
Assembly ABS/WLS	5626	3.205,30 €

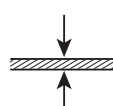
PUNCH	CAT. NO.	PRICE
Insert	5630	401,40 €
Optima® Coating		95,10 €

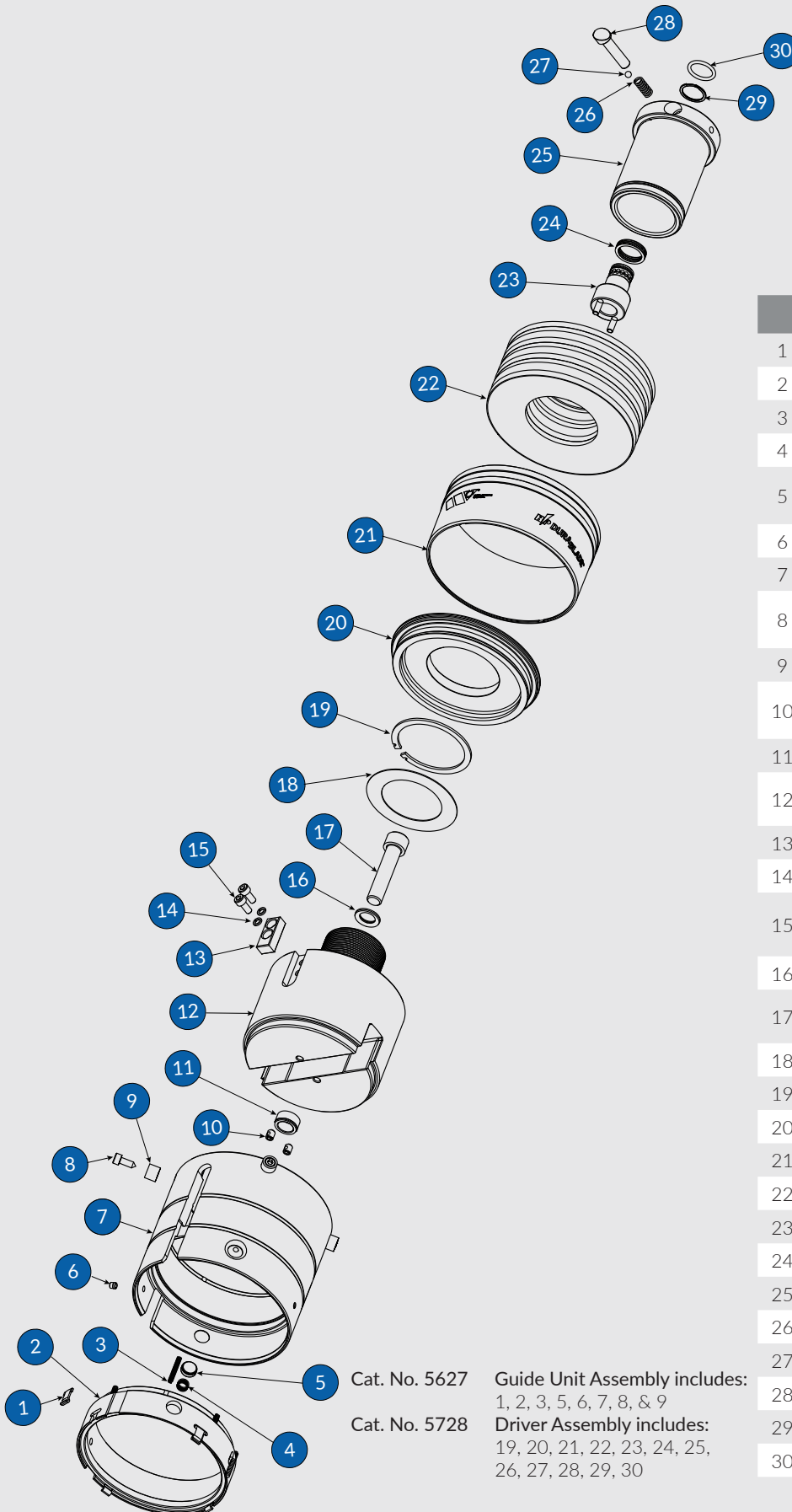
STRIPPER	CAT. NO.	PRICE
One Sided Relief	5641	535,20 €
One Sided Relief ABS	5642	617,60 €
Two Sided Relief	5629	535,20 €
Two Sided Relief ABS	5640	617,60 €

DIE	CAT. NO.	PRICE
Slug Hugger® * (relief 2 sides, shape at 90°)	5159	611,90 €
Slug Hugger® * (relief 2 sides, shape at 0°-90°)	5340	661,70 €
Slug Hugger® * (relief 1 side, shape at 90°)	2467	675,20 €
Slug Hugger® * (relief 1 side, shape at 0°-90°)	5343	675,20 €
Standard (relief 2 sides, shape at 90°)	13821	550,70 €
Standard (relief 2 sides, shape at 0°-90°)	13820	609,80 €
Standard (relief 1 side, shape at 90°)	13819	531,20 €
Standard (relief 1 side, shape at 0°-90°)	13818	609,80 €

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

DIE SHIM	CAT. NO.	PRICE
0.25 mm single	2073	14,90 €
0.76 mm single	2729	14,90 €
1.5 mm single	2076	14,90 €
0.25 mm pack of 5	2212	61,30 €
0.76 mm pack of 5	2730	61,30 €
1.5 mm pack of 5	2176	61,30 €

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



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

Cat. No. 5627

Cat. No. 5728

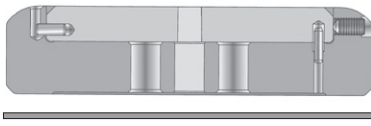
Guide Unit Assembly includes:

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

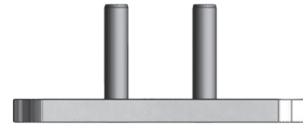
Driver Assembly includes:

19, 20, 21, 22, 23, 24, 25,

26, 27, 28, 29, 30

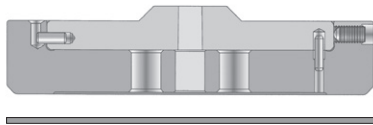


Blade Holder
Assembly
Shim

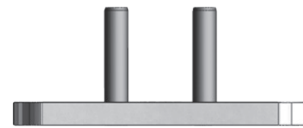


Knock Out Tool

SLITTING DURA-DIE	QTY.	'C' STATION		'D' STATION		'E' STATION	
		CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
Blade - Positive	1	12991	143,50 €	13008	208,00 €	13013	361,00 €
Blade - Slug Hugger 2	1	12992	155,40 €	13009	218,00 €	13014	368,80 €
*Blade Holder Assembly at 0° and 90°	1	12989	284,70 €	13006	311,30 €	13015	469,30 €
Shim Pack	1	12995	18,50 €	13012	32,50 €	13017	33,00 €
Knock Out Tool		24310	7,00 €	24310	7,00 €	24313	8,20 €
Maximum length		51 mm		86 mm		111.8 mm	
Maximum width		7 mm		6.35 mm		9.52 mm	
Maximum clearance for maximum length		0.51 mm		1.02 mm		0.76 mm	



Blade Holder
Assembly
Shim



Knock Out Tool

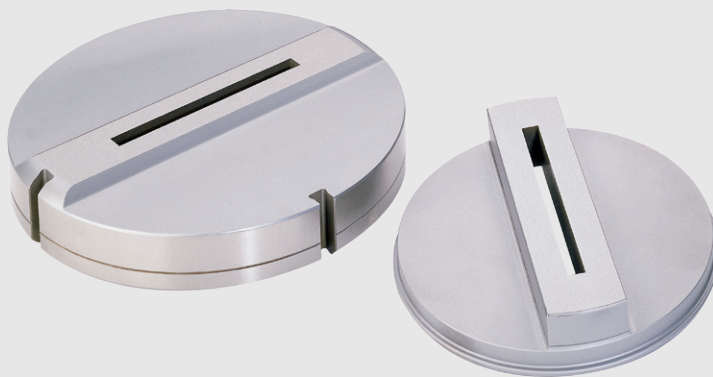
CLOSE-TO-CLAMP SLITTING DURA-DIE	QTY.	'D' STATION		'E' STATION	
		CAT. NO.	PRICE	CAT. NO.	PRICE
Blade - Positive (relief 2 sides)	1	13281	264,50 €	13289	395,60 €
Blade - SlugHugger 2 (relief 2 sides)	1	13282	281,30 €	13290	414,10 €
Blade Holder Assembly at 0° and 90°	1	13276	317,00 €	13284	443,40 €
Shim Pack	1	13012	32,50 €	13017	33,00 €
Knock Out Tool		24310	7,00 €	24313	8,20 €
Maximum length		81 mm		111.8 mm	
Maximum width		7 mm		9.52 mm	
Maximum clearance for maximum length		0.51 mm		0.76 mm	

NOTES

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

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

Die blades ordered separately.



'D' STATION

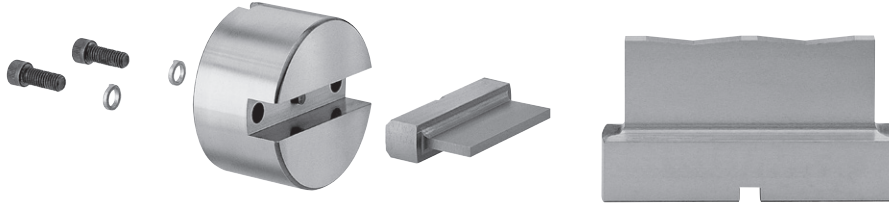
PUNCH		CAT. NO.	PRICE
Thin Clamps	HP	5027	259,50 €
Thick Clamp	S-80/90	5114	297,60 €
Optima® Coating			95,10 €
STRIPPER		CAT. NO.	PRICE
Thin Clamps	S-80	5100	396,30 €
Thick Clamp	S-80	5115	494,50 €
Thick Clamp	S-90	5399	361,90 €
Thick Clamp	S-90 ABS	5360	433,60 €
DIE		CAT. NO.	PRICE
Slug Hugger® * (relief 2 sides, shape at 90°)		5157	420,90 €
Slug Hugger® * (relief 2 sides, shape at 0°-90°)		5330	486,30 €
Slug Hugger® * (relief 1 side, shape at 90°)		2464	395,60 €
Slug Hugger® * (relief 1 side, shape at 0°-90°)		5333	483,80 €
Standard	(relief 2 sides, shape at 90°)	13814	361,00 €
Standard	(relief 2 sides, shape at 0°-90°)	13813	411,60 €
Standard	(relief 1 side, shape at 90°)	13812	349,20 €
Standard	(relief 1 side, shape at 0°-90°)	13811	411,60 €
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			

'E' STATION

PUNCH		CAT. NO.	PRICE
Thin Clamps	HP	5029	382,90 €
Thick Clamp	S-80/90	5109	430,40 €
Optima® Coating			95,10 €
STRIPPER		CAT. NO.	PRICE
Thin Clamps	S-80	5094	460,00 €
Thick Clamp	S-80	5110	513,70 €
Thick Clamp	S-90	5400	410,30 €
Thick Clamp	S-90 ABS	5385	488,50 €
DIE		CAT. NO.	PRICE
Slug Hugger® * (relief 2 sides, shape at 90°)		5159	611,90 €
Slug Hugger® * (relief 2 sides, shape at 0°-90°)		5340	661,70 €
Slug Hugger® * (relief 1 side, shape at 90°)		2467	675,20 €
Slug Hugger® * (relief 1 side, shape at 0°-90°)		5343	675,20 €
Standard	(relief 2 sides, shape at 90°)	13821	550,70 €
Standard	(relief 2 sides, shape at 0°-90°)	13820	609,80 €
Standard	(relief 1 side, shape at 90°)	13819	531,20 €
Standard	(relief 1 side, shape at 0°-90°)	13818	609,80 €
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.			

NOTES

All punches will be shipped with no shear unless specified.



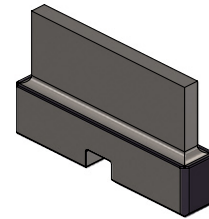
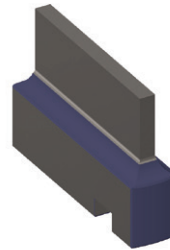
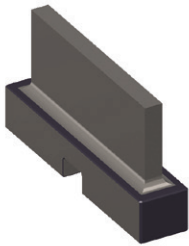
REPLACEABLE INSERT ASSEMBLY

STATION	BODY (1/2" - 13)		BODY (M - 12)		PUNCH INSERT		SET (1/2" - 13)		SET (M - 12)	
	CAT. NO	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE	CAT. NO.	PRICE
C	2623		2625	420,90 €	2590	220,50 €	2568	685,50 €	2624	641,30 €
D	1966		2286	420,90 €	1967	242,60 €	1965	709,90 €	2372	664,70 €
E	1969		2287	459,00 €	1970	299,10 €	1968	811,60 €	2373	758,10 €

PARTS DESCRIPTION

	CAT. NO.	PRICE
Socket Head Cap Screw – 3/8" - 16 x 1-1/2" long for C station	6391	4,40 €
Socket Head Cap Screw – 3/8" - 16 x 1" long for D, E & F stations	6019	4,60 €
High Collar Lock Washer for 3/8" screw	2129	4,60 €
Dowel Pin – 1/4" Dia. x .450" long (All Stations)	6004	1,30 €

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'.	- Blade insert punches < 9.53 mm in width are shipped with no shear unless specified. - Double Valley Shear is recommended for widths of 4.75 mm - 9.53 mm and minimum lengths of 50.8 mm when used for nibbling. - Maximum width = 19 mm.



MATE STYLE	CAT. NO.	PRICE
'C' Station Blade	15547	186,10 €
'D' Station Blade	14046	212,40 €
'E' Station Blade	14047	238,40 €
Optima® Coating		95,10 €

AMADA STYLE	ALPHA		STANDARD 'Q' SERIES	
	CAT. NO.	PRICE	CAT. NO.	PRICE
'C' Station Blade	-	-	14180	197,40 €
'D' Station Blade	14044	259,20 €	14201	241,60 €
'E' Station Blade	14045	308,60 €	14202	285,60 €
Optima® Coating		95,10 €		95,10 €

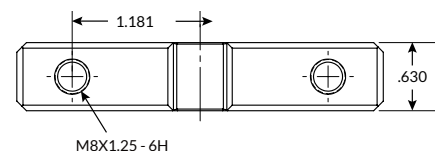


Diagram dimensions shown for 'D' and 'E' Amada Standard inserts.

ULTRA™ PUNCH	CAT. NO.	PRICE
'A' Station Round	13715	47,30 €
'A' Station Shape	13716	96,80 €
'B' Station Round	13717	75,00 €
'B' Station Shape	13718	126,90 €
ULTRA™ STRIPPER	CAT. NO.	PRICE
'A' Station Round	15500	11,90 €
'A' Station Shape	15501	35,60 €
'A' Station Round ABS	15502	13,80 €
'A' Station Shape ABS	15503	41,10 €
'B' Station Round	15504	12,70 €
'B' Station Shape	15505	36,80 €
'B' Station Round ABS	15506	14,50 €
'B' Station Shape ABS	15507	42,40 €
'C' Station Round	15508	37,80 €
'C' Station Shape	15509	65,10 €
'C' Station Round ABS	15510	63,20 €
'C' Station Shape ABS	15511	76,80 €
'D' Station Round	15512	55,40 €
'D' Station Shape	15513	83,60 €
'D' Station Round ABS	15514	71,90 €
'D' Station Shape ABS	15515	108,90 €
'E' Station Round	15516	82,70 €
'E' Station Shape	15517	122,40 €
'E' Station Round ABS	15518	102,00 €
'E' Station Shape ABS	15519	153,50 €

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



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

THE TOOLS FOR YOUR SUCCESS

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

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

These educational opportunities include:

SOLUTION-FOCUSED NEWSLETTERS

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

TRADE SHOWS

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

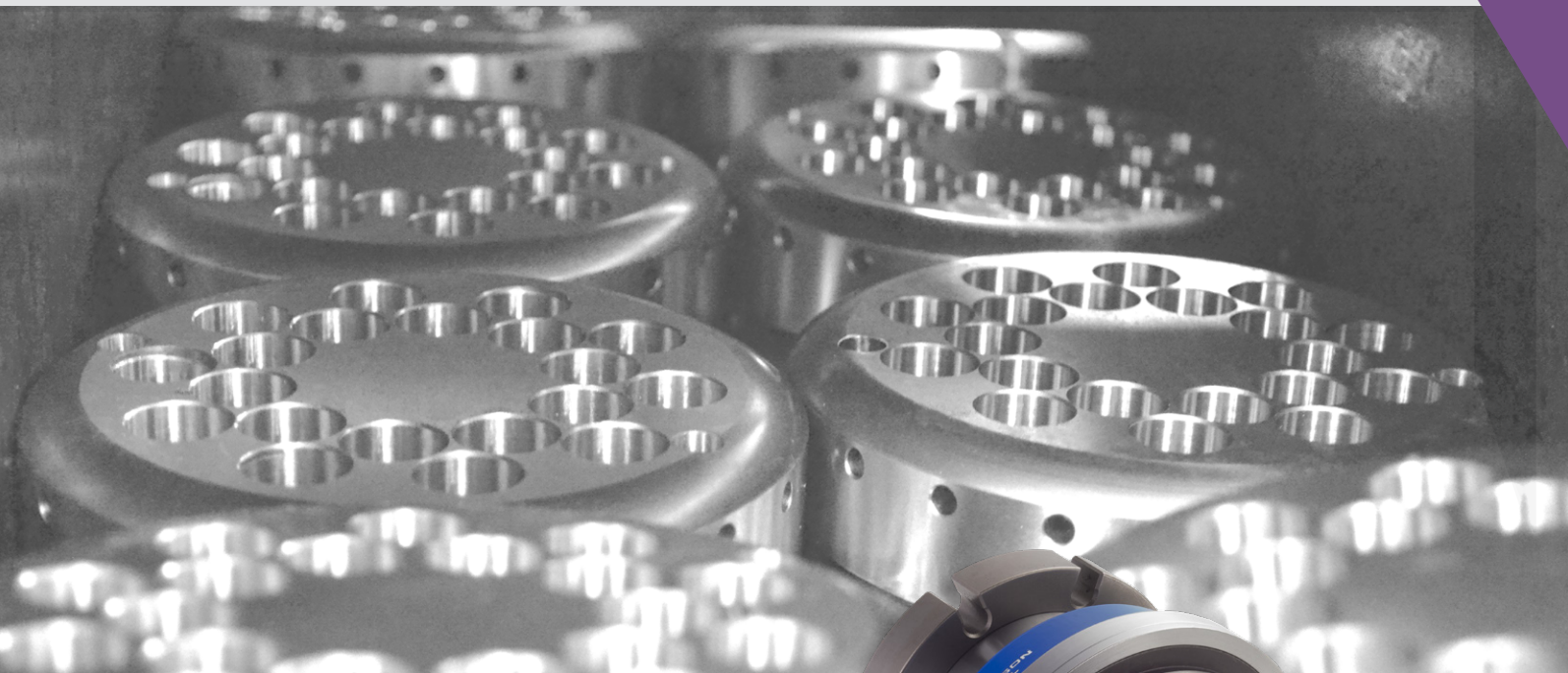
OPEN DAYS

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



For more information about any or all of these educational opportunities, ask your local Sales Engineer or visit wilsontool.com

MULTI-TOOLS



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

MTX 'R' Series

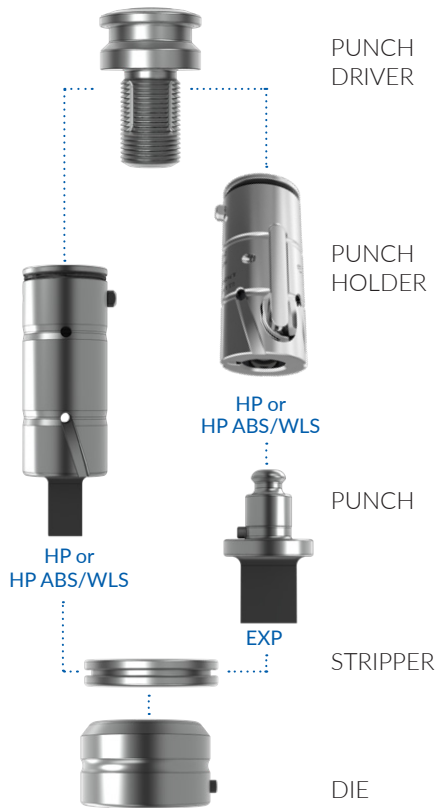
Easier than ever tool-less adjustments and changes, with no additional tooling inventory needed. HP and EXP thick turret punches, strippers and dies, can maximize grind life and lower tooling costs.

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



MT7A

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



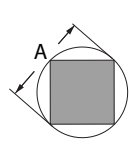
UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
MTX3iR Assembly	Call Sales Desk	
<i>Tool kit with punch drivers included</i>		
PUNCH DRIVER	CAT. NO.	PRICE
Punch Driver	45481	€ 59,40
PUNCH	CAT. NO.	PRICE
*HP Round	2407	€ 84,40
*HP Shape	2408	€ 140,30
*HP Round ABS	2398	€ 97,00
*HP Shape ABS	2399	€ 161,30
Optima® Coating	-	€ 56,00
** EXP Round	13916	€ 63,70
** EXP Shape	13917	€ 106,00
Optima® Coating	-	€ 26,10

* Requires a Punch Driver

** Requires an EXP punch holder and driver

PUNCH HOLDER	CAT. NO.	PRICE
EXP Shape HP	14917	€ 181,90
EXP Shape HP ABS/WLS	14913	€ 197,50
STRIPPER	CAT. NO.	PRICE
Round	1890	€ 13,70
Shape	1917	€ 46,10
Round ABS	2433	€ 16,40
Shape ABS	2432	€ 55,30
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2194	€ 54,90
Round Standard	2021	€ 28,90
Shape Slug Hugger® 2*	12961	€ 116,20
Shape Standard	13804	€ 74,40

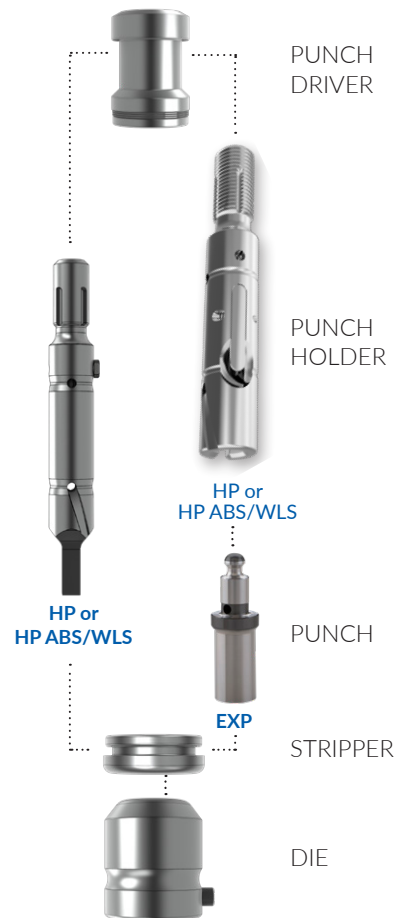
* Slug Hugger dies must be ordered punch size plus clearance. Size restrictions apply.

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	31.75 mm 	16 Tons Max [142 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 



UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
MTX8iR Assembly		
<i>Tool kit with punch drivers included</i>	Call Sales Desk	
PUNCH DRIVER	CAT. NO.	PRICE
Punch Driver	45493	€ 58,60
PUNCH	CAT. NO.	PRICE
*HP Round	2405	€ 54,90
*HP Shape	2406	€ 101,40
*HP Round ABS	2385	€ 63,20
*HP Shape ABS	2389	€ 116,50
Optima® Coating	-	€ 28,00
** EXP Round	13904	€ 45,70
** EXP Shape	13905	€ 73,40
Optima® Coating	-	€ 14,90
* Requires a Punch Driver		
** Requires an EXP punch holder and driver		
PUNCH HOLDER	CAT. NO.	PRICE
EXP Shape HP	14895	€ 145,10
EXP Shape HP ABS/WLS	14891	€ 171,40
STRIPPER	CAT. NO.	PRICE
Round	13044	€ 14,90
Shape	13143	€ 34,00
Round ABS	13045	€ 17,90
Shape ABS	13152	€ 40,80
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2192	€52,70
Round Standard	1808	€ 28,30
Shape Slug Hugger® 2*	12959	€ 96,00
Shape Standard	13801	€ 63,80

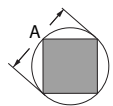
* Slug Hugger dies must be ordered punch size plus clearance.
Size restrictions apply.



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	12.7 mm as standard  Shapes: Up to 16 mm Rounds: Up to 14 mm Contact sales desk for more details	7 Tons Max [62 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 



UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
MTX8i		
Tool kit with punch drivers included		Call Sales Desk
PUNCH DRIVER	CAT. NO.	PRICE
Punch Driver	45493	€ 58,60
PUNCH	CAT. NO.	PRICE
*HP Round	2405	€ 54,90
*HP Shape	2406	€ 101,40
*HP Round ABS	2385	€ 63,20
*HP Shape ABS	2389	€ 116,50
Optima® Coating	-	€ 28,00
** EXP Round	13904	€ 45,70
** EXP Shape	13905	€ 73,40
Optima® Coating	-	€ 14,80
* Requires a Punch Driver		
** Requires and EXP punch holder and driver		
PUNCH HOLDER	CAT. NO.	PRICE
EXP Shape HP	14895	€ 145,10
EXP Shape HP ABS/WLS	14891	€ 171,40
STRIPPER	CAT. NO.	PRICE
Round	13044	€ 14,90
Shape	13143	€ 34,00
Round ABS	13045	€ 17,90
Shape ABS	13152	€ 40,80
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	2192	€ 52,70
Round Standard	1808	€ 28,30
Shape Slug Hugger® 2*	12959	€ 96,00
Shape Standard	13801	€ 63,80
* Slug Hugger dies must be ordered punch size plus clearance.		
Size restrictions apply.		
DIE SHIM	CAT. NO.	PRICE
0.25mm pack of 15	6815	€ 25,70
0.76mm pack of 15	6816	€ 25,70

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 LVD Strippit Nisshimbo Wiedemann Goiti Danobat Rainer	16 mm as standard  Shapes: Up to 16 mm Rounds: Up to 14 mm Contact sales desk for more details	Tons Max [62 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 



UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
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MT8iR	Call Sales Desk
<i>Tool kit with punch drivers included</i>	

PUNCH	CAT. NO.	PRICE
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Round	6835	€ 33,10
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Shape	6836	€ 95,20
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Optima® Coating	-	€ 28,00
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STRIPPER	CAT. NO.	PRICE
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Round	474	€ 15,50
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Shape	473	€ 40,50
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DIE	CAT. NO.	PRICE
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Round Slug Hugger®*	6177	€ 79,30
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Round Standard	6164	€ 43,50
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Shape Slug Hugger®*2*	6889	€ 133,80
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Shape Standard	6957	€ 92,60
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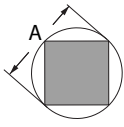
* Slug Hugger dies must be ordered punch size plus clearance.
Size restrictions apply.

DIE SHIM	CAT. NO.	PRICE
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0.25mm	pack of 15	6815	€ 25,70
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0.76mm	pack of 15	6816	€ 25,70
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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 LVD Strippit Nisshimbo Wiedemann Goiti Danobat Rainer	16 mm 	7 Tons Max [62 Kn] Aluminium - 6 mm Mild Steel - 5 mm Stainless Steel - 3 mm 

UPPER & LOWER ASSEMBLY	CAT. NO.	PRICE
MT20i	Call Sales Desk	
PUNCH	CAT. NO.	PRICE
Round	6838	€ 34,30
Shape	6839	€ 67,30
Optima® Coating	-	€ 28,00
STRIPPER	CAT. NO.	PRICE
Round	6829	€ 40,20
Shape	35079	€ 50,10
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	6185	€ 72,70
Round Standard	6081	€ 33,80
Shape Slug Hugger® 2*	6885	€ 129,00
Shape Standard	6958	€ 89,60

* Slug Hugger dies must be ordered punch size plus

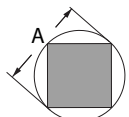
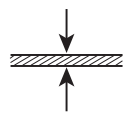
clearance:

2.49 mm minimum dia. on rounds

1.52 mm minimum width on shapes

0.15 mm minimum

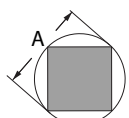


INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX 'A' DIMENSION	MAX. MATERIAL THICKNESS
- Machine Make - Machine Model - Machine Serial Number	Available for the following machine makes: Prima Power LVD Strippit Goiti Danobat Rainer JFY	8 mm 	5 mm mild steel and Aluminum 2 mm stainless steel 

MT7A Assembly

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



INFORMATION NEEDED	MACHINE COMPATIBILITY	MAX 'A' DIMENSION	NOTES
- 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.

MT3iR

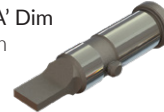
PUNCH	CAT. NO.	PRICE
Round Punch & Driver Assembly	35306	€ 176,00
Round Punch	2398	€ 97,00
Shape Punch	2399	€ 161,30
Optima® Coating	-	€ 56,00
STRIPPER	CAT. NO.	PRICE
Round	77232	€ 24,70
Shape	77233	€ 56,10
DIE	CAT. NO.	PRICE
Round Slug Hugger® 2*	77236	€ 59,10
Round Neg/Pos	77234	€ 39,60
Shape Slug Hugger® 2*	77237	€ 161,10
Shape Standard	10612	€ 133,00

Max 'A' Dim
31.75 mm

Prima/Pass - MTPi10-16/MTP8-16

PUNCH	CAT. NO.	PRICE
Round Punch	7125	€ 33,80
Shape	7126	€ 61,60
Optima® Coating	-	€ 28,00
STRIPPER	CAT. NO.	PRICE
Round	6073	€ 40,70
Shape	6074	€ 119,10
DIE	CAT. NO.	PRICE
Round Slug Hugger®	6187	€ 86,90
Round Standard	6077	€ 47,50
Shape Slug Hugger® 2*	6883	€ 129,00
Shape Standard	6955	€ 89,60

Max 'A' Dim
16 mm



MT 6-16 & MT 10-16

PUNCH	CAT. NO.	PRICE
Round Punch	6075	€ 33,80
Shape	6076	€ 61,60
Optima® Coating	-	€ 28,00
STRIPPER	CAT. NO.	PRICE
Round	6073	€ 40,70
Shape	6074	€ 119,10
DIE	CAT. NO.	PRICE
Round Slug Hugger®	6187	€ 86,90
Round Standard	6077	€ 47,50
Shape Slug Hugger® 2*	6883	€ 129,00
Shape Standard	6955	€ 89,60

Max 'A' Dim 16 mm

MT 12-8

PUNCH	CAT. NO.	PRICE
Round Punch	6080	€ 25,30
Optima® Coating	-	€ 28,00
STRIPPER	CAT. NO.	PRICE
Round	6079	€ 40,70
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	6185	€ 72,70
Round Standard	6081	€ 33,80

Max 'A' Dim 8 mm



MT 6-24 & MT 8-24

PUNCH	CAT. NO.	PRICE
Round Punch	6150	€ 40,70
Shape	6153	€ 86,90
Optima® Coating	-	€ 28,00
STRIPPER	CAT. NO.	PRICE
Round	6151	€ 58,80
Shape (19.05 mm Max 'A' dim)	6827	€ 109,30
Shape (19.05 mm 'A' dim)	6154	€ 109,30
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	6189	€ 93,90
Round Standard	6152	€ 53,30
Shape Slug Hugger® 2*	6887	€ 138,70
Shape Standard	6954	€ 80,20

Max 'A' Dim
24 mm



MT 20-8 & MT 24-8

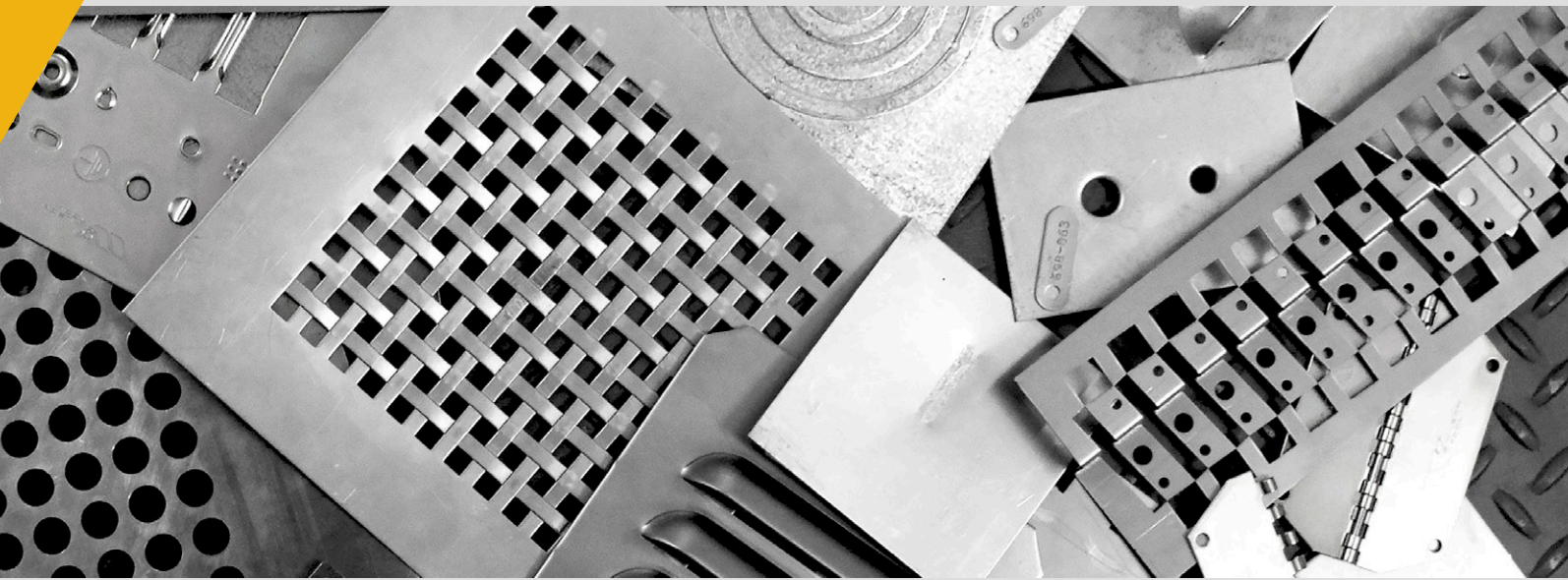
PUNCH	CAT. NO.	PRICE
Round Punch	6080	€ 25,30
Shape	6147	€ 58,80
Optima® Coating	-	€ 28,00
STRIPPER	CAT. NO.	PRICE
Round	6146	€ 40,70
Shape	6148	€ 89,60
DIE	CAT. NO.	PRICE
Round Slug Hugger®*	6185	€ 72,70
Round Standard	6081	€ 33,80
Shape Slug Hugger® 2*	6885	€ 129,00
Shape Standard	6958	€ 89,60

Max 'A' Dim
8 mm



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

SPECIALS



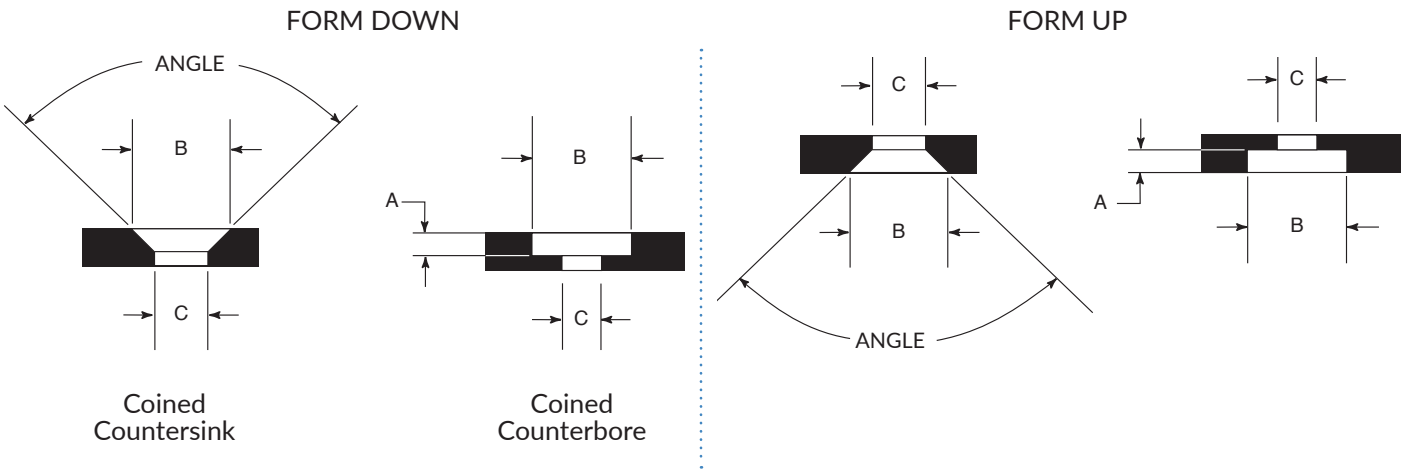
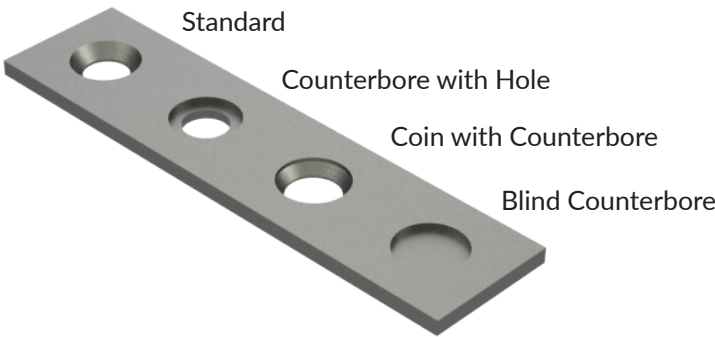
Incorporating forming applications into your fabrication can add value to your processes while reducing cost by boosting efficiencies and eliminating secondary operations.

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

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

YOU NEED BETTER SOLUTIONS, FASTER!

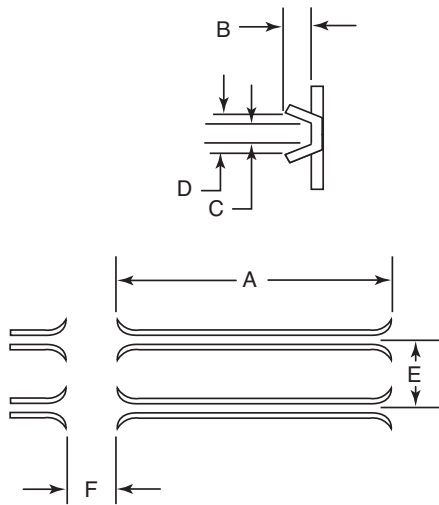
Wilson approaches every special tooling request with a “never say no” attitude. And with the fastest lead times in the industry, your special tooling will arrive when you need it.



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

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

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



Standard



Wrap Around

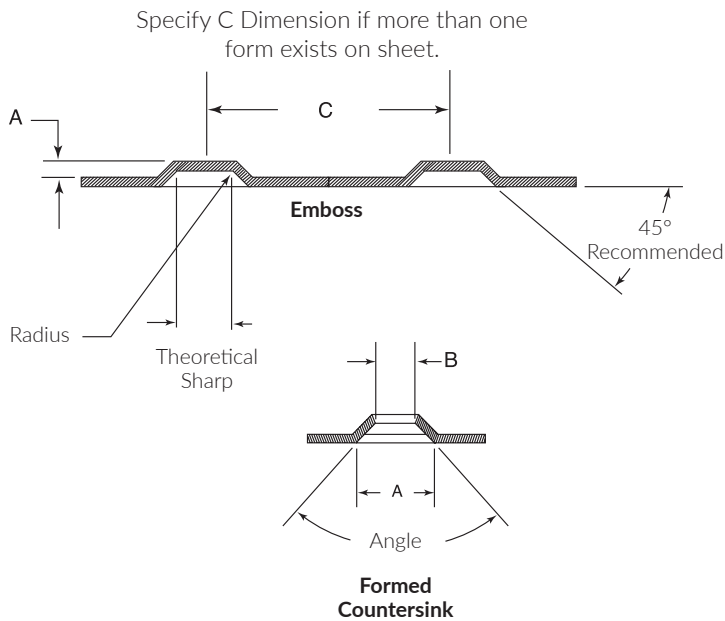
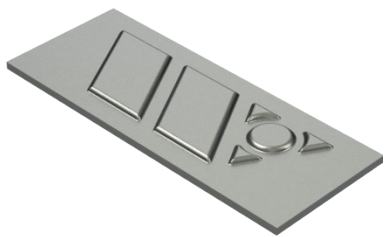
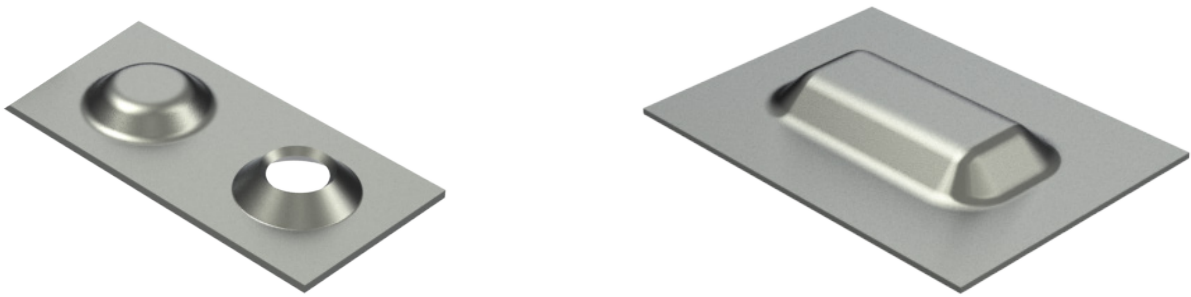


Closed End

AVAILABLE IN FOLLOWING STATIONS:

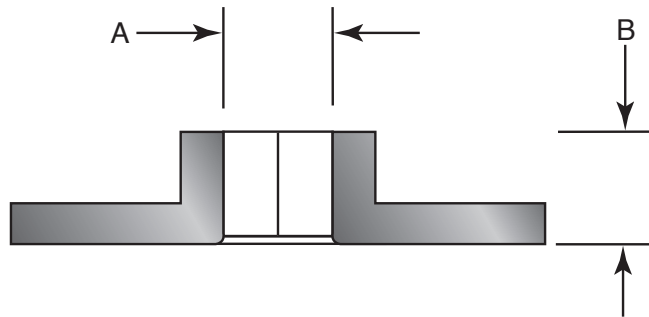
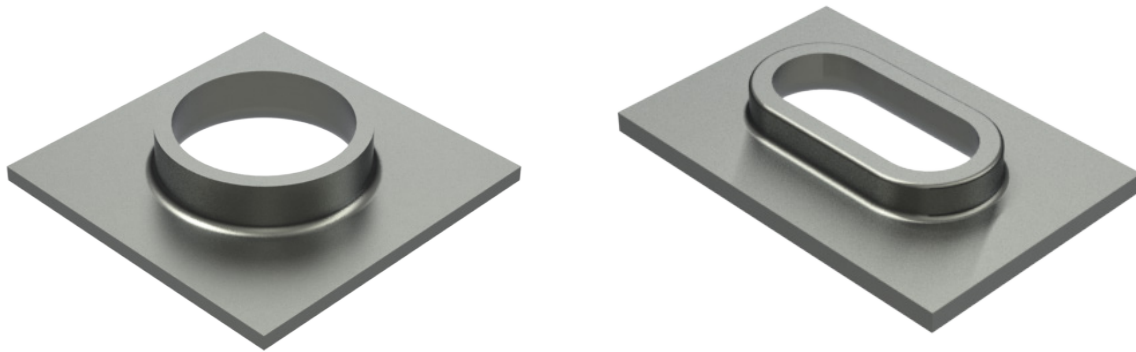


APPLICATION	ADVANTAGES	INFORMATION NEEDED
A card guide is used for retaining printed circuit boards that require standard lead-in or special lead-in shapes. Wilson Tool will develop correct web of material to be formed on all card guides and the pre-punch shape and size on special lead-in card guides.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



AVAILABLE IN FOLLOWING STATIONS: A B C D E

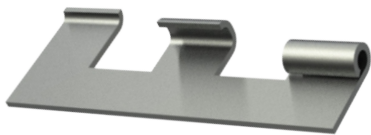
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Embosses, dimples and forming tool are typically used to create stand-offs, spacers, countersinks, locks for nuts, embossed logos.	• All tools are made to achieve a consistent high quality form. • Form up designs are self-stripping. • A and B station embosses are full body designs to give maximum bearing area to sheet. • Large station tools are a punch, stripper, and die design that will fit your existing holder assembly. • Multiple coating options available to aid in stripping.	• Material thickness and type • Machine model • Dimensional drawing or electronic file • Form-up or form-down • Style of large station guide assembly



AVAILABLE IN FOLLOWING STATIONS:



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



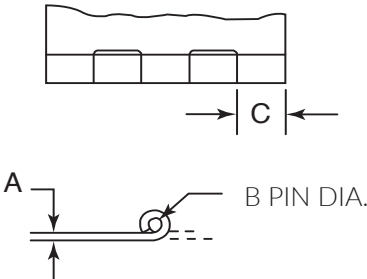
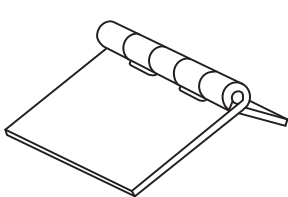
Offset Fully Curled Hinge



Standard Fully Curled Hinge



One-Hit Half Knuckle Hinge

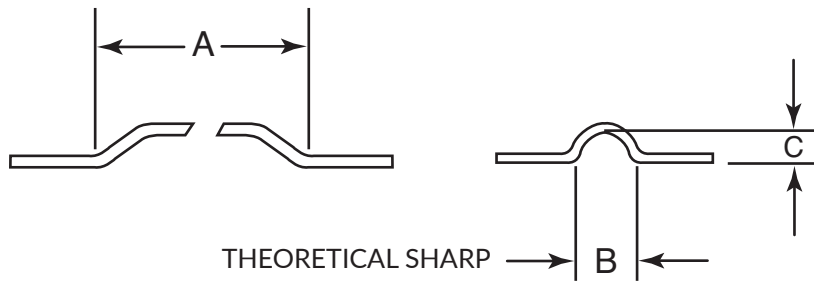
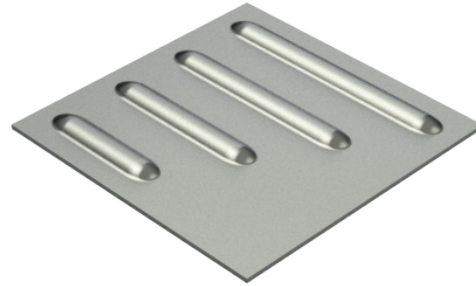
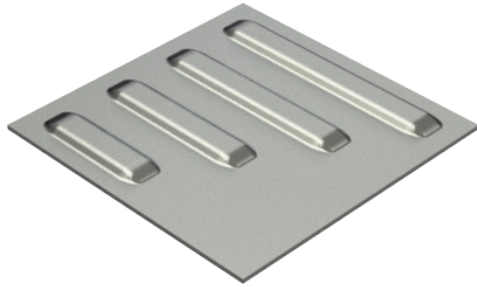


AVAILABLE IN FOLLOWING STATIONS:



See this tool in action on the Wilson Tool YouTube Channel

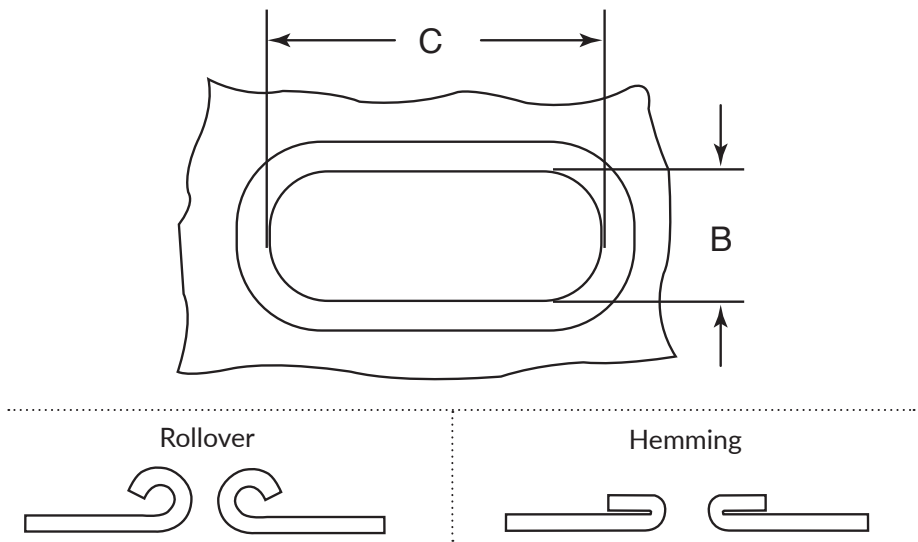
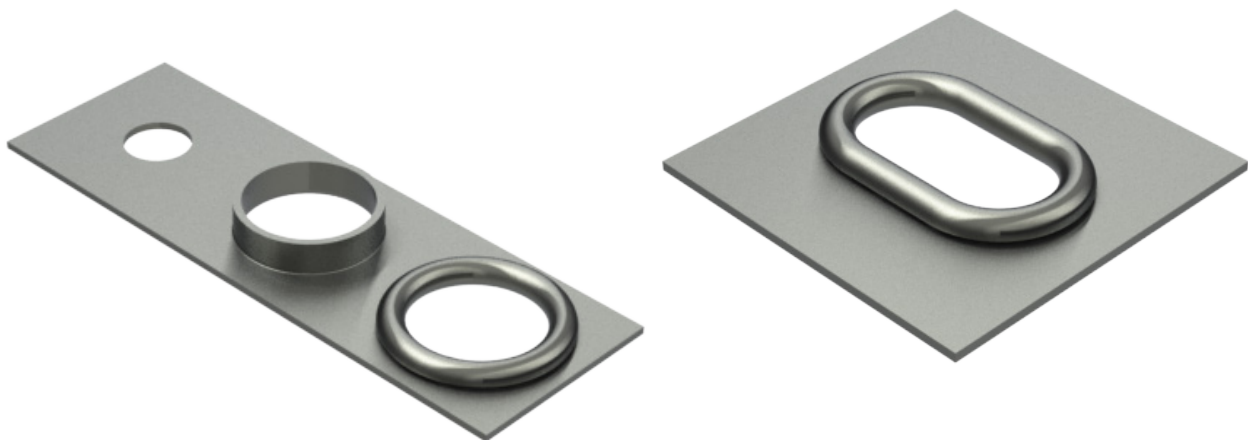
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Integrating a formed hinge on the edge of the sheet in your turret machine eliminates the need for costly hardware and a secondary operation to weld or fasten them.	- Wilson Tool's one-hit hinge tool is achieved with 1 set of tools. - Standard hinge is achieved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



AVAILABLE IN FOLLOWING STATIONS:



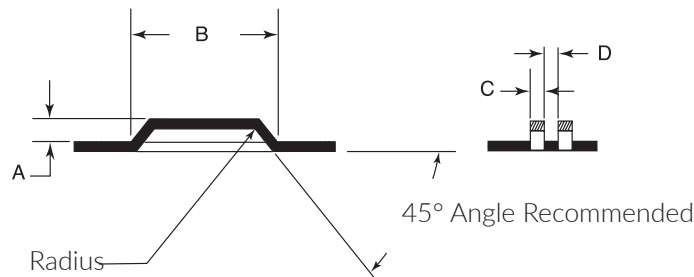
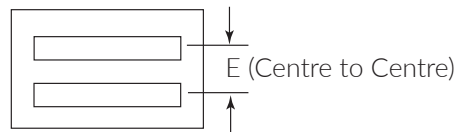
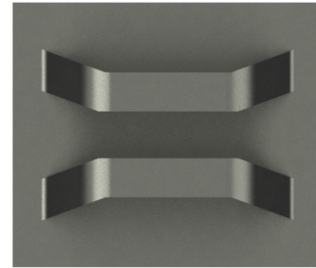
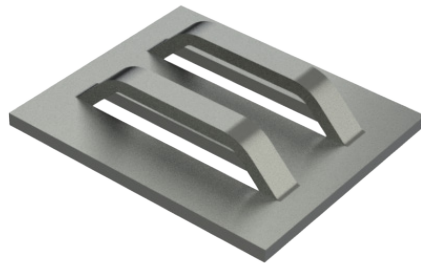
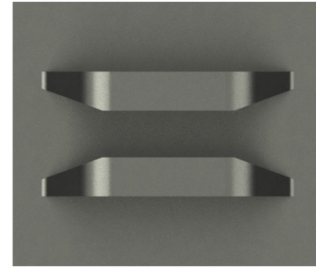
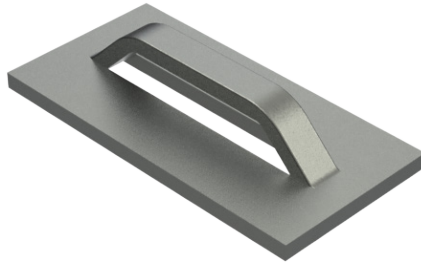
APPLICATION	ADVANTAGES	INFORMATION NEEDED
A progressive rib produces stiffening ribs, programmable to any length. Rounded or flat top ribs are available. For best results, inside radius should be equal to or greater than the height. Run in nibbling mode: recommended (incremental moves should be equal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



AVAILABLE IN FOLLOWING STATIONS:



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

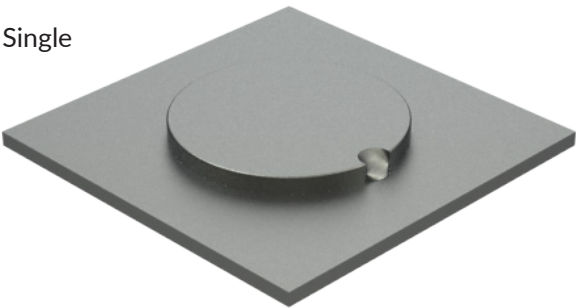


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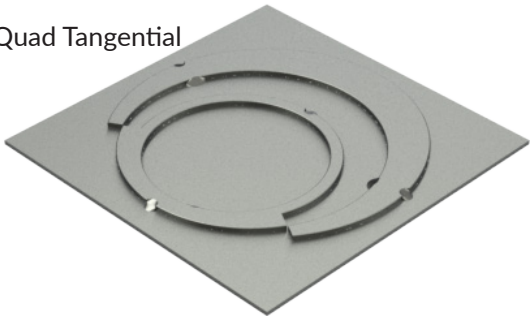


APPLICATION	ADVANTAGES	INFORMATION NEEDED
Bridge style lance and forms can be used for shear stops, locators, card guides, dividers, ventilation and wire tie downs.	- The Wilson design creates a positive form ensuring a high quality, consistent part. - Small and large station holders provide both cost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

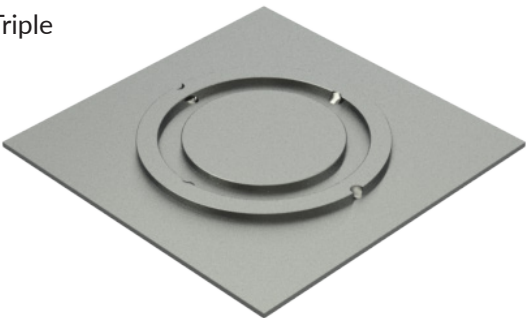
Single



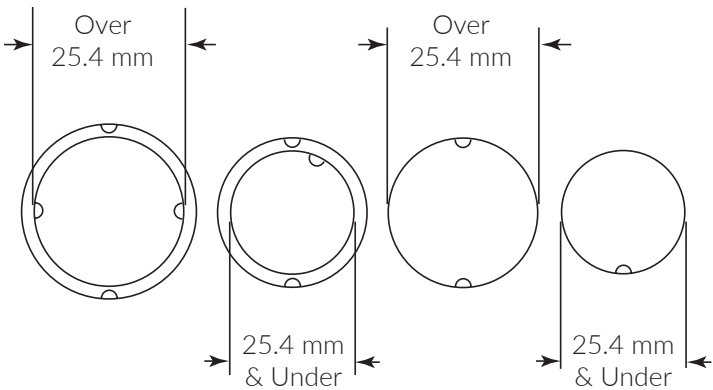
Quad Tangential



Triple



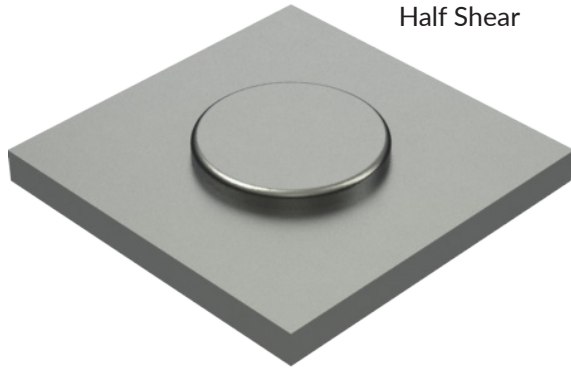
Standard Wilson Tool Tab Location



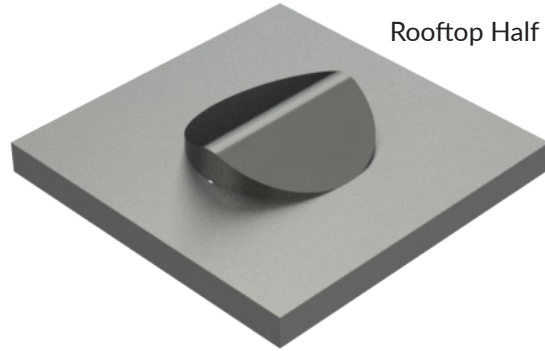
AVAILABLE IN FOLLOWING STATIONS:



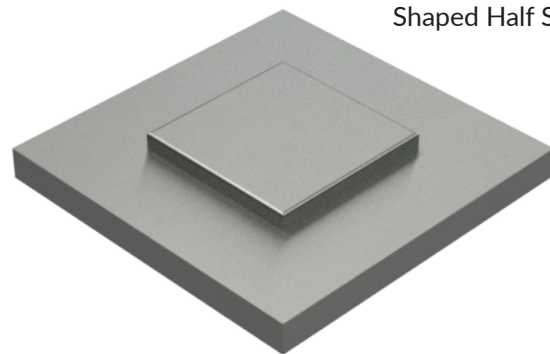
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Electrical knockouts (EKOs) are used to create connection points for cable pathways. Available for: • Single • Double (concentric or tangential) • Triple (concentric or tangential) • Quad (concentric or tangential) • Standard and special shapes Single or multiple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



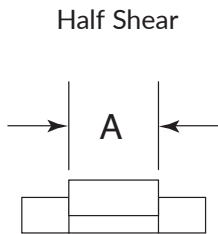
Half Shear



Rooftop Half Shear

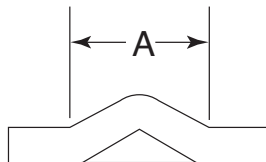
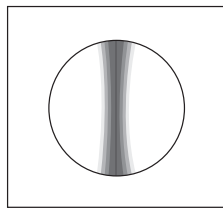


Shaped Half Shear



Half Shear

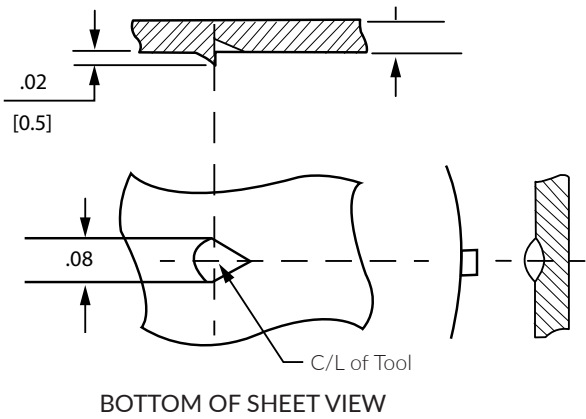
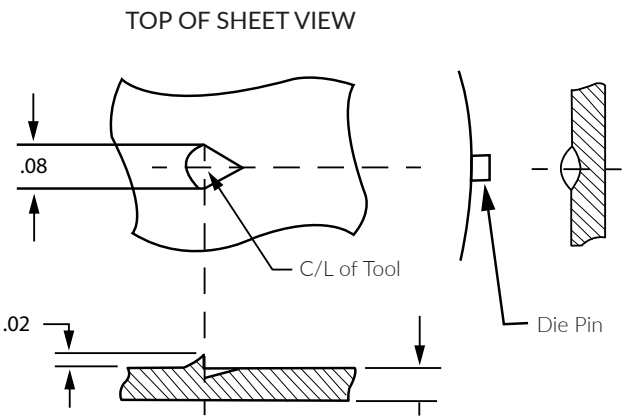
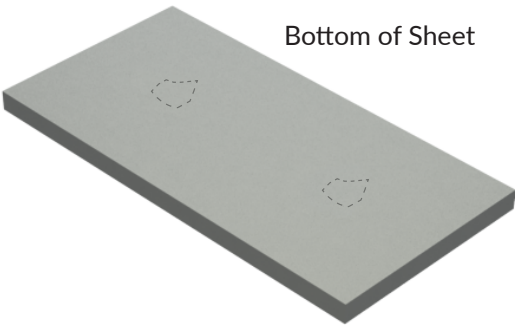
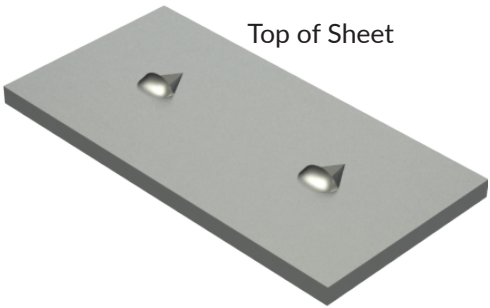
Rooftop Half Shear



AVAILABLE IN FOLLOWING STATIONS:

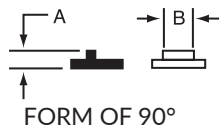
A B C D E

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

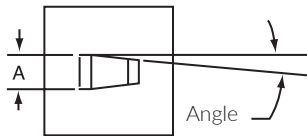
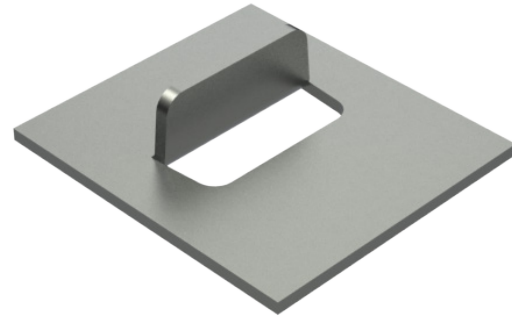


AVAILABLE IN FOLLOWING STATIONS: **A** **B** **C** **D** **E**

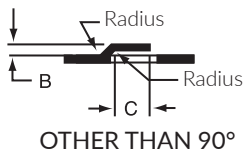
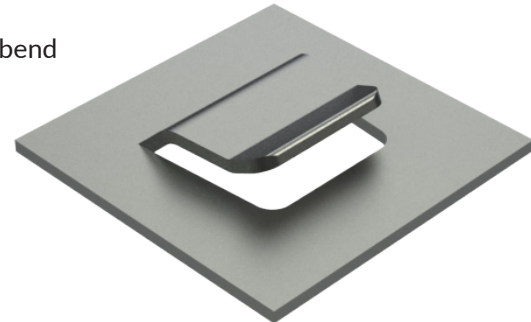
APPLICATION	ADVANTAGES	INFORMATION NEEDED
The scratch form can be used for spot welding locators, locators for angular shearing and shear stops. Height of the stop is 0.5 mm - 0.8 mm. Tool is designed with relief for 12.7 mm centers.	• Punches a range of material from 0.91 mm to 3.18 mm • Can be used in an Auto Index station	• Machine model • Material thickness and type • Specify top or bottom of the sheet scratch



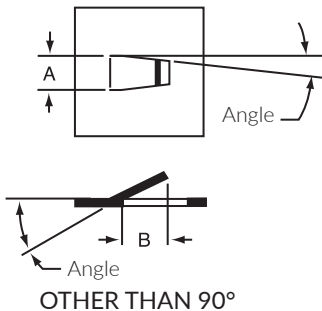
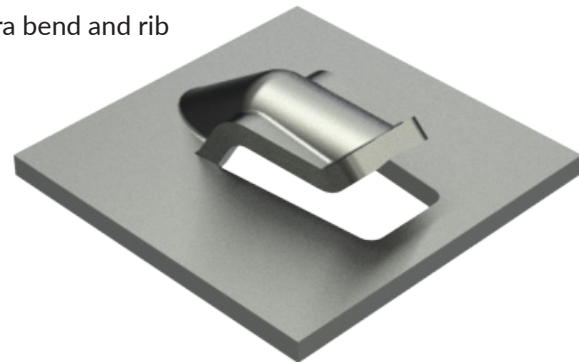
90° Form



With extra bend



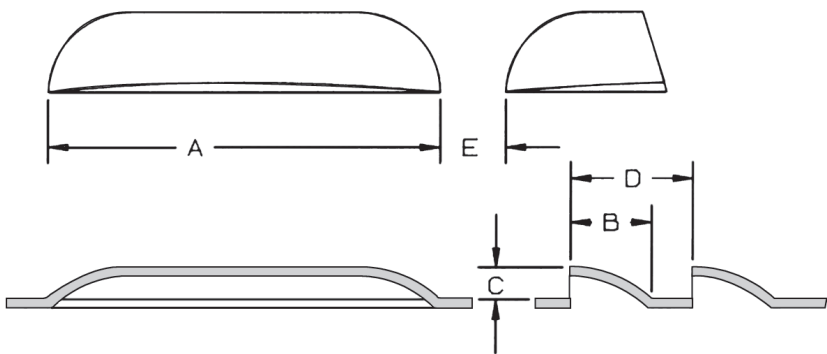
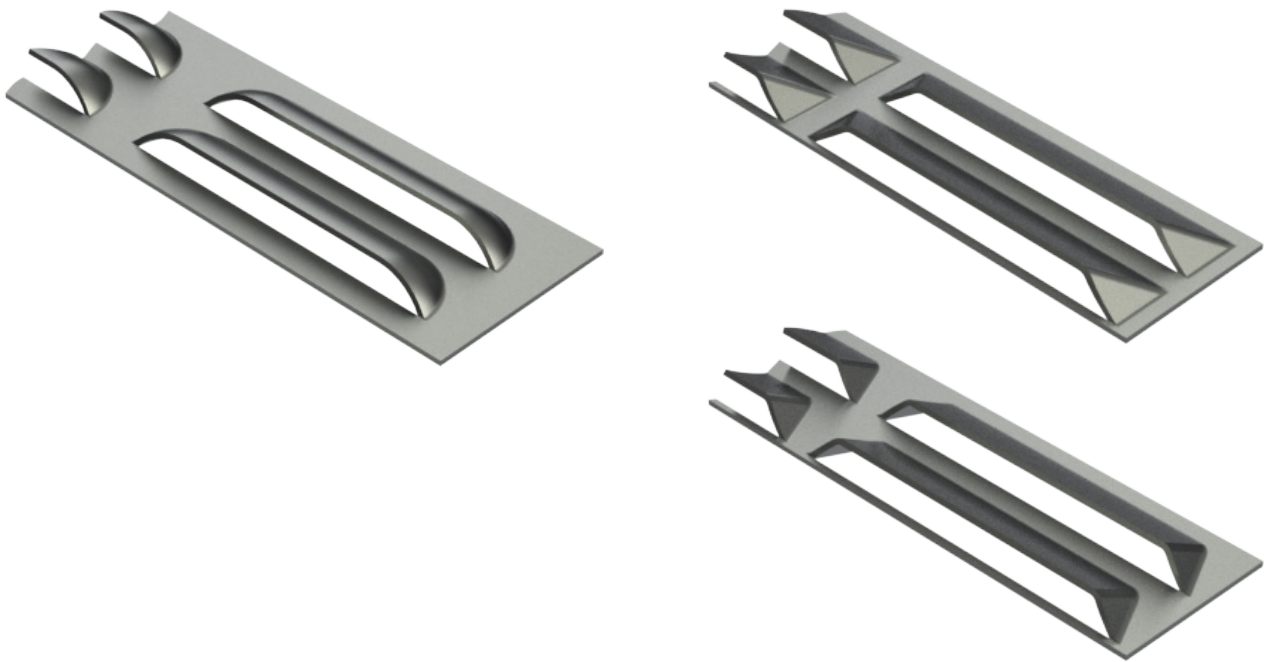
With extra bend and rib



AVAILABLE IN FOLLOWING STATIONS:

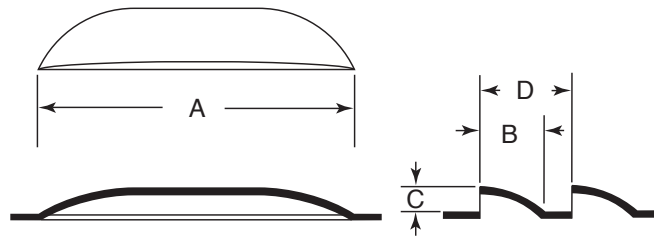
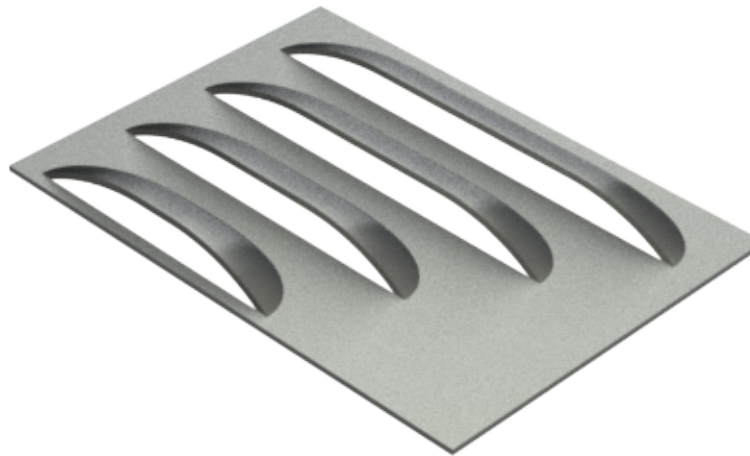


APPLICATION	ADVANTAGES	INFORMATION NEEDED
Lance and forms are used for a variety of applications, including: - Air flow - Decoration - Location markers - Shear tabs - Wire harnesses - Clip attachments.	- High-quality lance and forms are assured with Wilson's positive form and self-stripping design. -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



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

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

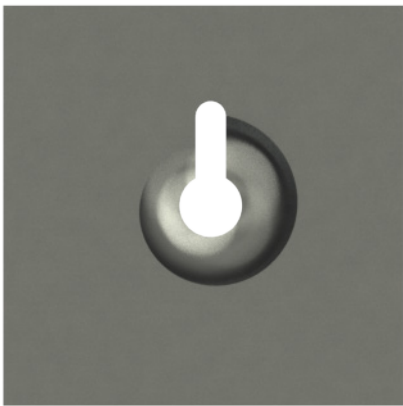
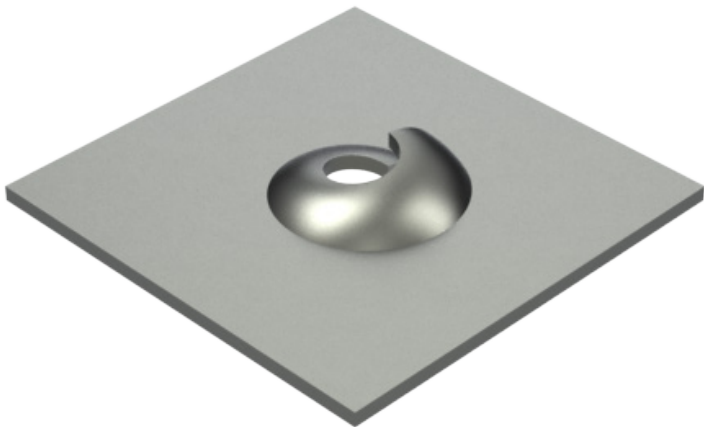


"A" dimension is programmable to any length.
Form length on first full hit is approximately 57mm long.

AVAILABLE IN FOLLOWING STATIONS:



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



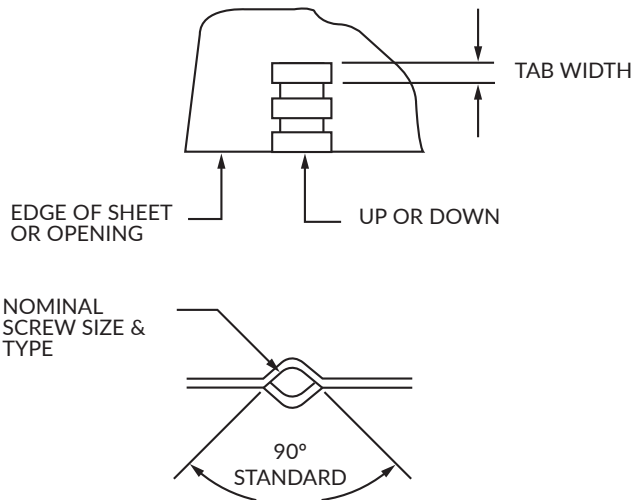
Imperial Sized Screws	Metric Sized Screws
6-18	2.9 x 1
6-20	3.5 x 1.3
6-32	4.2 x 1.4
7-16	4.8 x 1.6
8-15	5.5 x 1.8
8-32	6.3 x 1.8
10-12	8 x 2.1
10-16	9.5 x 2.1
10-24	M4
10-32	M5
12-11	M6
12-14	M8
14-10	M10
20-9	M12
1/4-14	M14
1/4-20	M16
5/16-12	M20
5/16-18	M24

Custom Sizes Available

AVAILABLE IN FOLLOWING STATIONS:



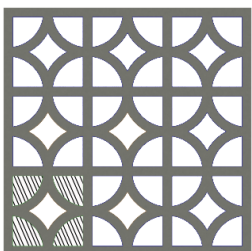
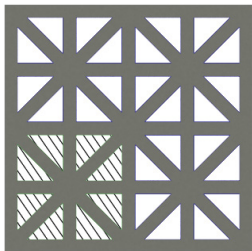
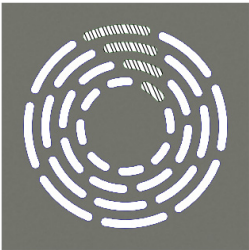
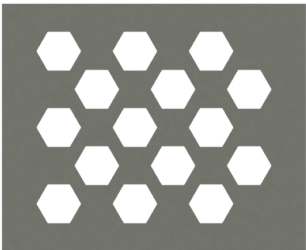
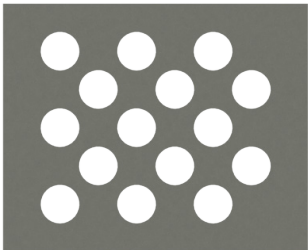
APPLICATION	ADVANTAGES	INFORMATION NEEDED
A thread form is a great solution for eliminating secondary operations and supplemental hardware where a threaded hole is required.	• Reduces costly hardware and assembly time. • Coining is included in the design of the tool when recommended material thickness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



AVAILABLE IN FOLLOWING STATIONS:



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



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

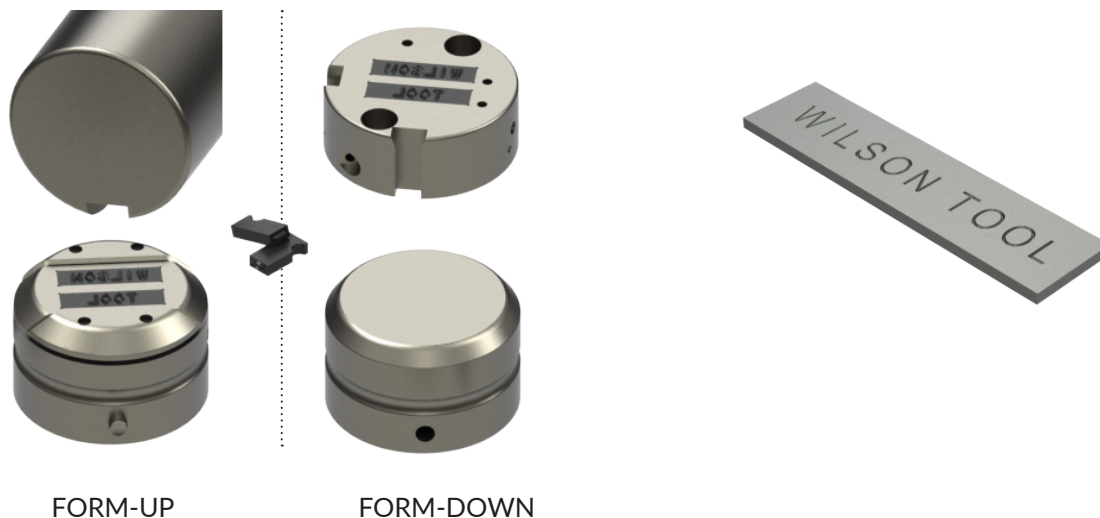
APPLICATION	ADVANTAGES	INFORMATION NEEDED
The cluster tool is the most cost effective method to manufacture perforated patterns and is commonly used for air ventilation, drains and filters. Cluster piercing is ideal for applications where tight tolerance is required on the hole pattern.	• Creates maximum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



AVAILABLE IN FOLLOWING STATIONS:



APPLICATION	ADVANTAGES	INFORMATION NEEDED
An ID-Stamp tool is a perfect solution for permanently marking and displaying company names, serial numbers, or part numbers. When used in an Auto Index station you can stamp up to 40 different characters, including numbers, letters, and various symbols. Adjustable for 3 mm material range.	- Eliminates secondary stamping operations and ensures consistent marking. - Reduces the number of tools needed to mark parts. - Designed to take the standard 3.18 mm letter stamp character. - The large station holder has in-built lubrication ports. - Adapters can be used to move B station tools to an Auto Index station.	- Machine make and model - Material thickness range and type - Requires Auto Index - Machine may require software upgrade to run these tools



FORM-UP

FORM-DOWN

FORM-DOWN

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

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

Maximum Characters for one or two rows

* Maximum Characters for one row only

** One row only

FORM-UP

MAXIMUM NUMBER OF CHARACTERS PER ROW

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

AVAILABLE IN FOLLOWING STATIONS:



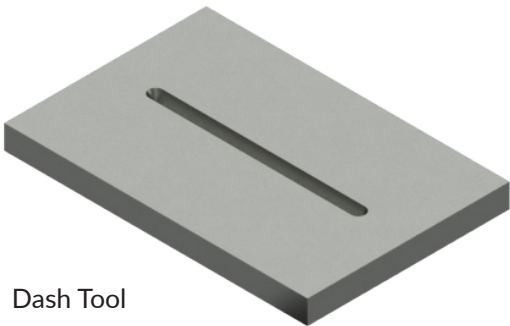
APPLICATION	ADVANTAGES	INFORMATION NEEDED
A letter stamp is a perfect solution for permanently marking and displaying company names, serial numbers, or part numbers. Replaceable punch tip design allows for versatility as well as quick and easy change out.	• Stock sizes available in single and double row. • Reduces the number of tools needed to mark parts. • Eliminates secondary stamping operations. • Adjustable for 3 mm material range. • Interchangeable punch tip design provides cost savings and flexibility to easily change character size by purchasing only a punch tip and characters. • Form-up letter stamp tools are made self-stripping.	• Machine model • Material thickness and type • Size character, number of rows, number of characters per row • Form-up or form-down • Style of large station guide assembly



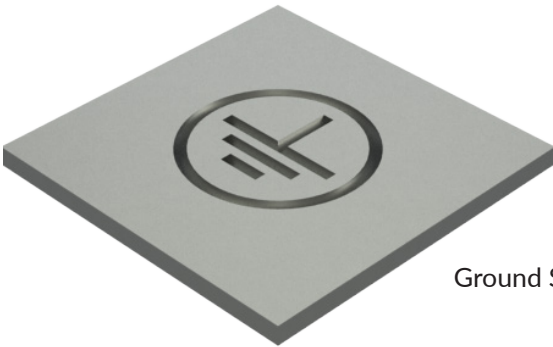
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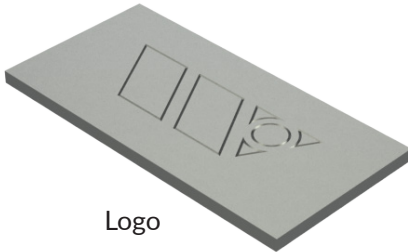
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Wilson Multi-Scribe is ideal for both sheet scribing and dot-matrix marking on a wide range of materials. • Unique designs and logos can be achieved just by programming. • Hydraulic rams produce both “scribe” and “dot-matrix” sheet marking. • Mechanical rams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



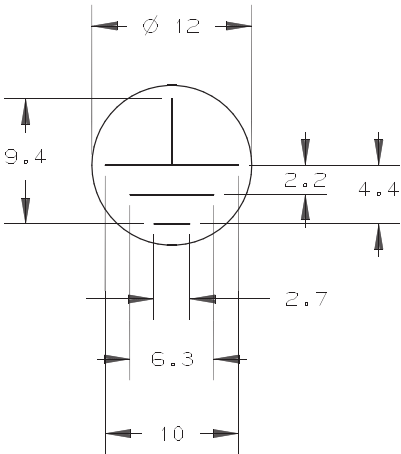
Dash Tool



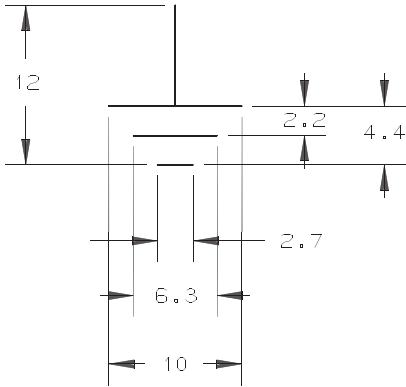
Ground Symbol



Logo



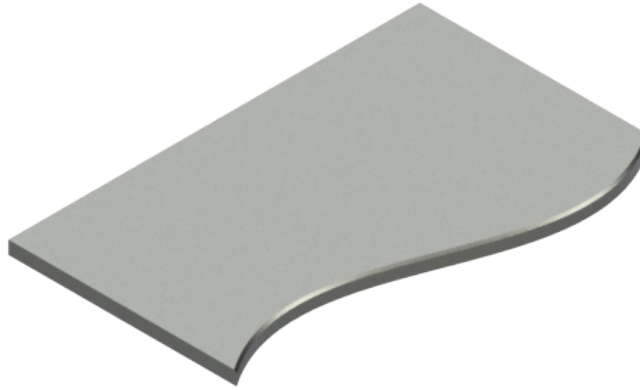
GROUND SYMBOL STOCK DIMENSIONS



AVAILABLE IN FOLLOWING STATIONS:

- A B C D E**

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Stamping the top or bottom of the sheet is the perfect solution for permanently displaying company names, serial numbers, symbols, and product or company logos. Ground symbols, widely used in the electrical industry are available in stock sizes, form-down or form-up. Dash tools can be used to "V" notch the sheet to aid in bending, create numbers and letters, and location marks on a sheet. Dash tools are available in form-down or form-up, in various lengths and can be run progressively.	• All form-up tools are designed self-stripping to prevent sheet marking and tool wear. • Logo stamps and other special stamps can be manufactured easily when an electronic file is provided. • When used in the auto index station, dash tools can be used to create numbers or letters. • Adjustable for 3 mm material range.	• Machine model • Material thickness and type • Length of dash • Size of ground symbol (stock or non-stock) • Electronic file for logos • Form-up or form-down • Style of large station guide assembly

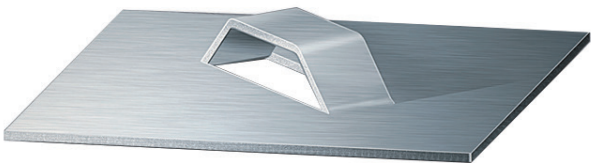
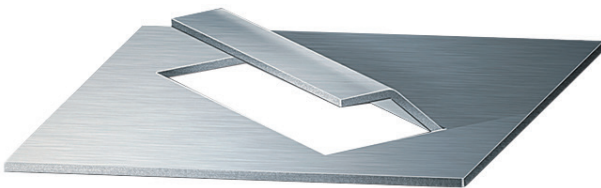
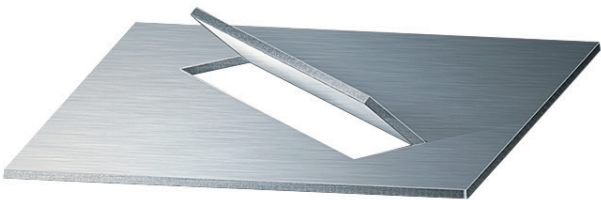


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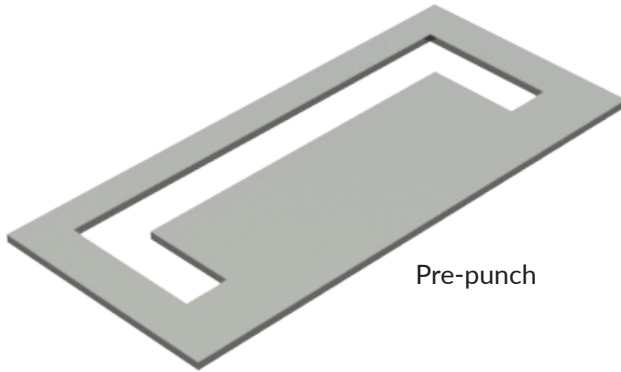
See this tool in action on the
Wilson Tool YouTube Channel

APPLICATION	ADVANTAGES	INFORMATION NEEDED
The rolling de-burring tool eliminates the secondary operation of removing burrs from your parts.	• 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

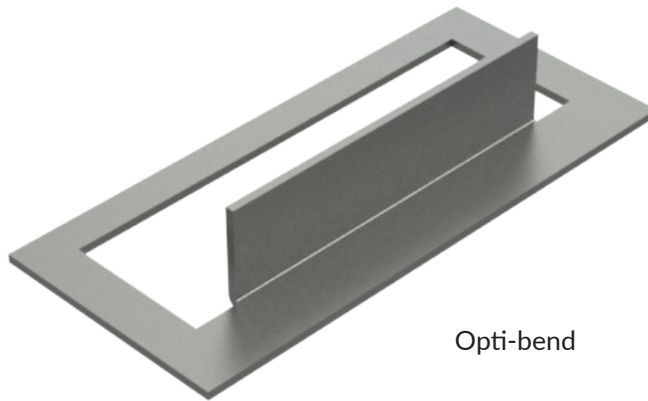


AVAILABLE FOR STATION SIZES (depends on machine) : **A** **B** **C** **D** **E**

APPLICATION	ADVANTAGES	INFORMATION NEEDED
Machines with high form stations require special tooling that can achieve forms in the sheet up to 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



Pre-punch



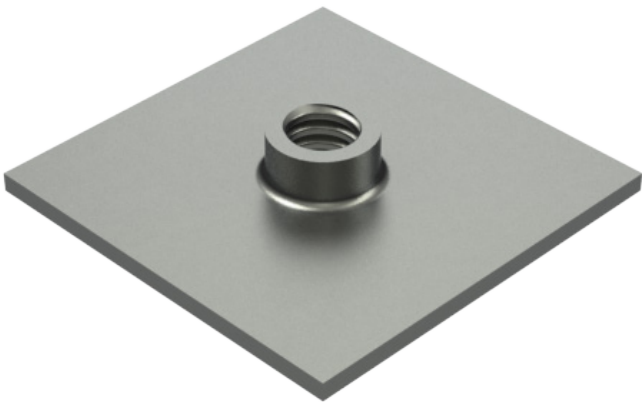
Opti-bend

AVAILABLE IN FOLLOWING STATIONS:



See this tool in action on the Wilson Tool YouTube Channel

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



Extruded Hole Shown

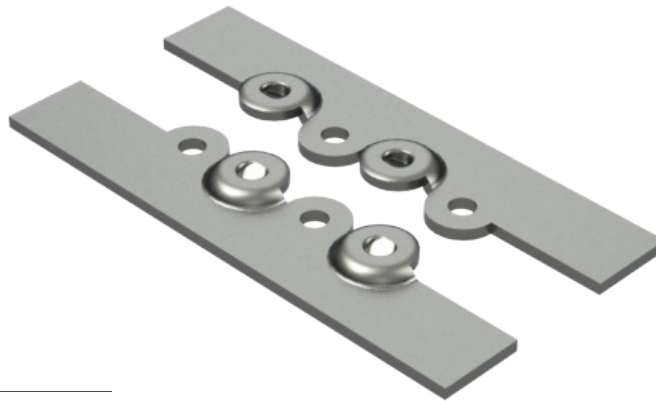
AVAILABLE IN FOLLOWING STATIONS:

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



See this tool in action on the
Wilson Tool YouTube Channel

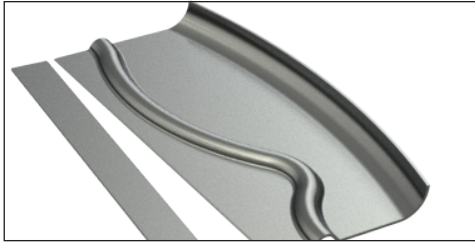
APPLICATION	ADVANTAGES	INFORMATION NEEDED
The tapping tool allows you to create high precision threads at any programmed location on the sheet. • Taps available in imperial or metric sizes • Available for most major brands of turret style punch press.	• Fast! Tap a hole or an extruded hole with every machine stroke, up to 200 holes per minute. • Built in tapping fluid injection system is synchronized with the machine stroke to reduce wear and breakage. • Taps are easily changed, with no disassembly required. • Works on a wide range of material. • Stock size pitch inserts and taps are available for fast delivery.	• Machine model • Material thickness and type • Pitch and tap size



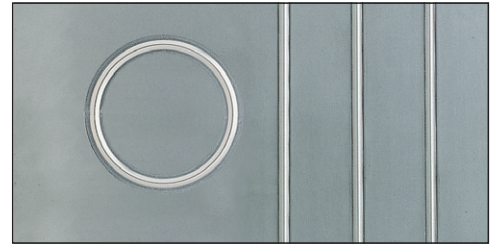
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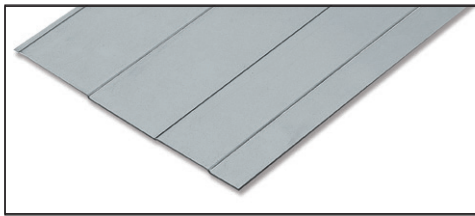
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Zip-Tech lance is achieved in three operations: 1. Pre-punch - round hole 2. Pre-punch - T-shape hole 3. Zip-Tech Lance and Form	• Fabricates snaps to join metal parts together. • Different types of materials of the same thickness can be joined together. • Eliminate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



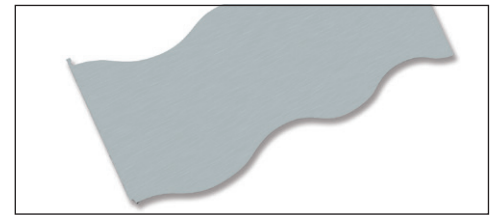
ROLLING FLARE



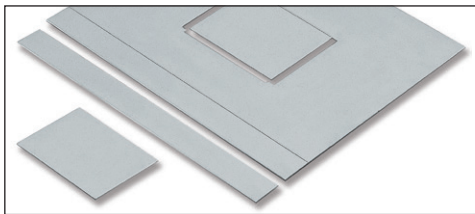
ROLLING RIB



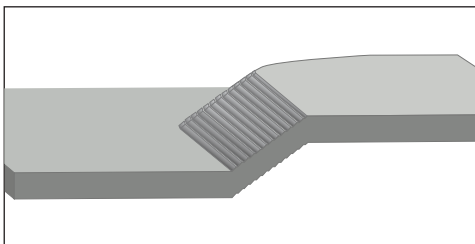
ROLLING OFFSET



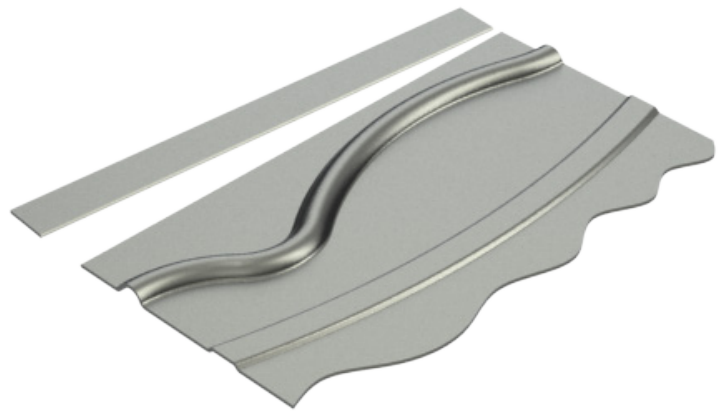
ROLLING SHEAR



ROLLING PINCHER



ROLLING FORGE



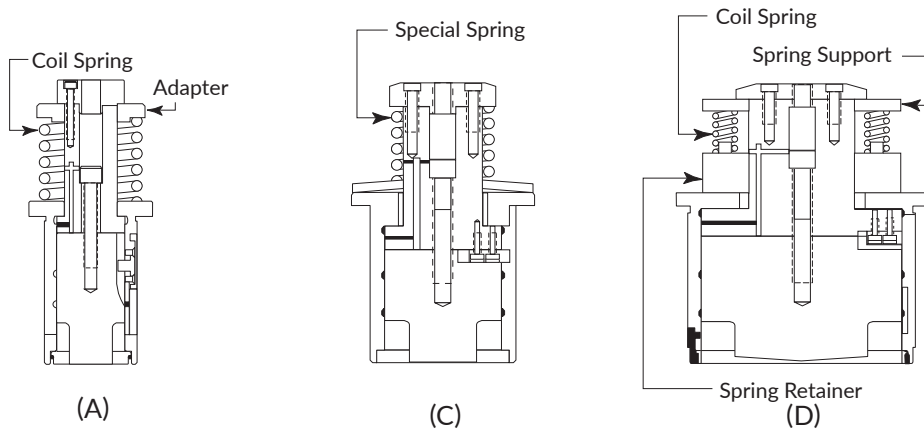
AVAILABLE IN FOLLOWING STATIONS:


See this tool in action on the
Wilson Tool YouTube Channel

APPLICATION	ADVANTAGES	INFORMATION NEEDED
The Wilson Wheel family of products offers you flexible, high speed production of slits, ribs and offsets on a wide range of materials with virtually no burrs or nibble marks. Create curves, arcs and circles with your auto index station.	• 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



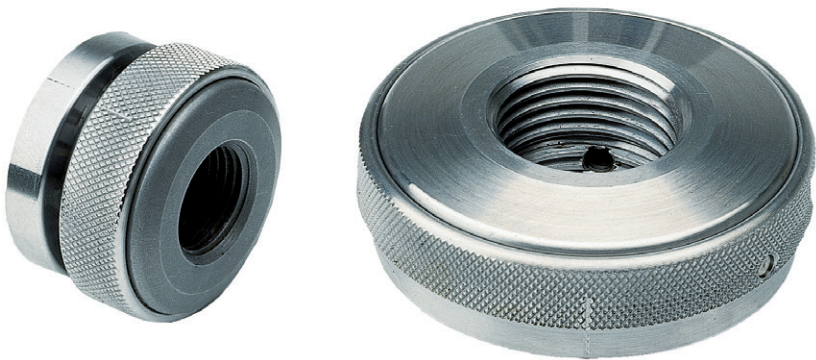
OTHER ASSEMBLY DESIGNS



AVAILABLE IN FOLLOWING STATIONS:



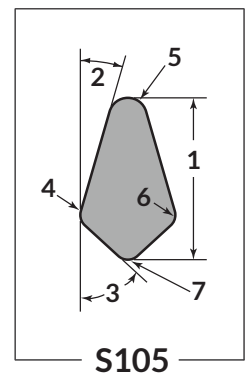
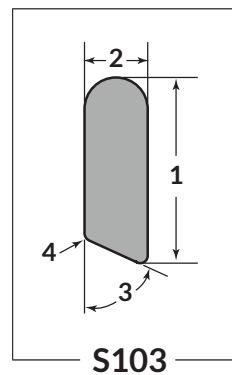
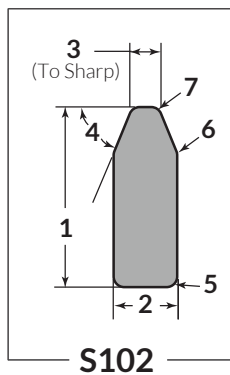
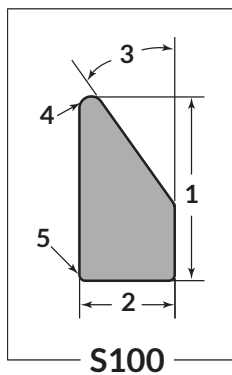
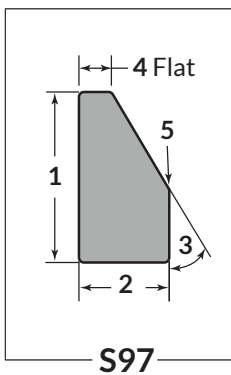
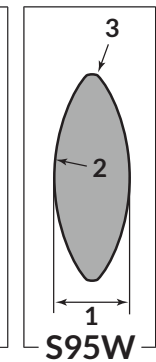
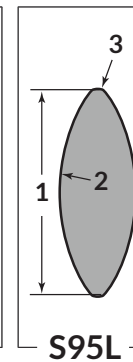
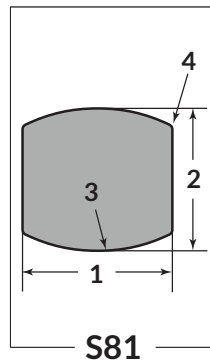
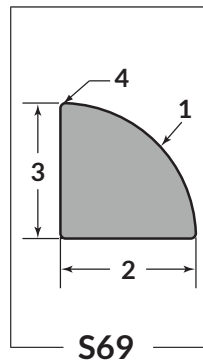
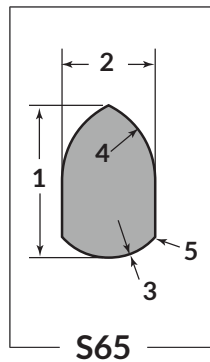
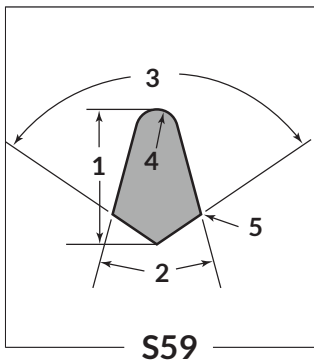
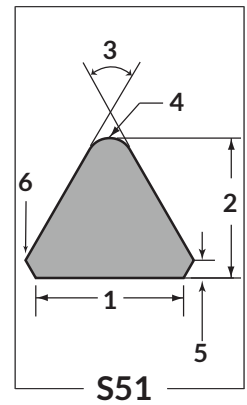
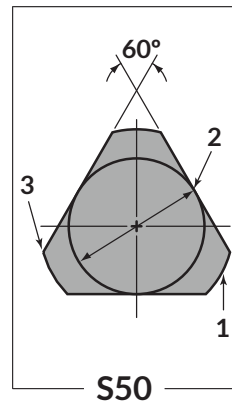
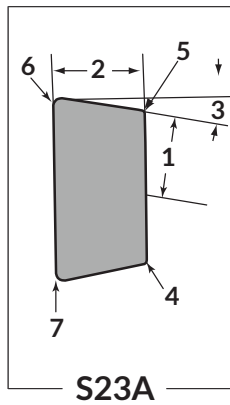
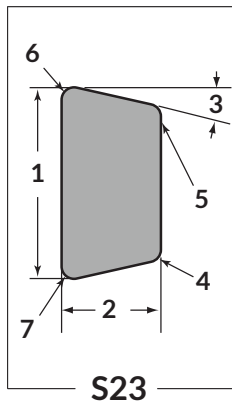
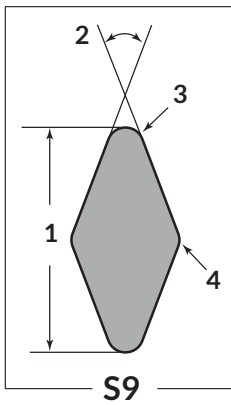
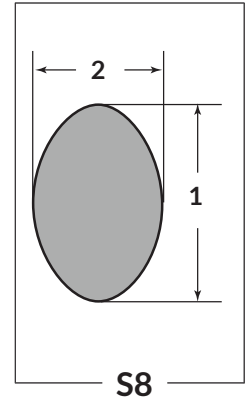
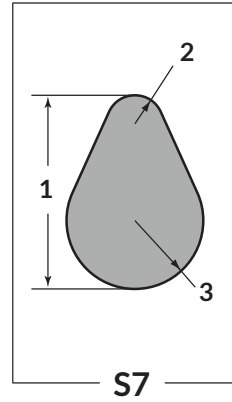
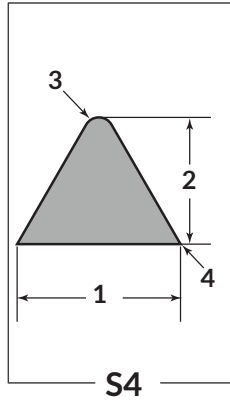
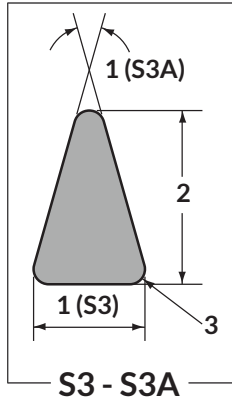
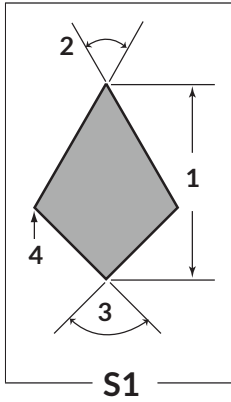
APPLICATION	ADVANTAGES	INFORMATION NEEDED
Light Spring Packs help reduce sheet and form distortion as well as sheet marking in forming and piercing operations.	- Fast and easy assembly and disassembly with Series 80®, Series 80 Plus®, Series 90® and High Performance® (HP). - Simply spin off the existing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



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

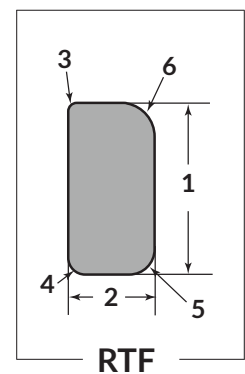
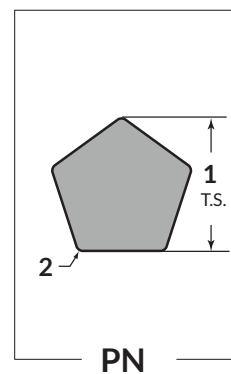
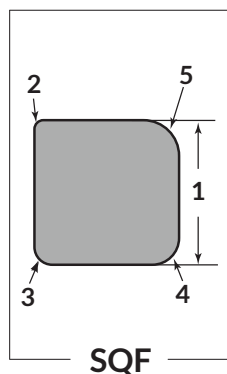
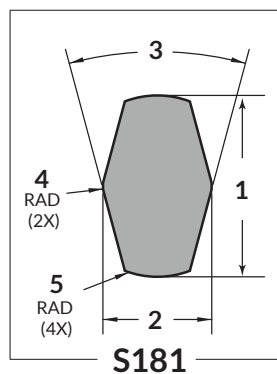
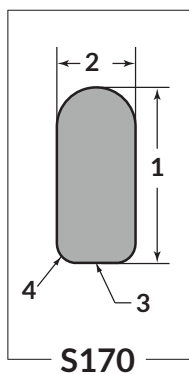
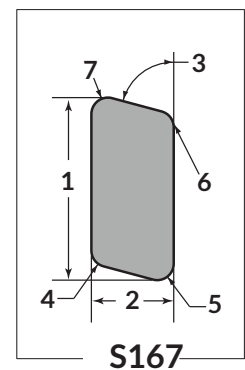
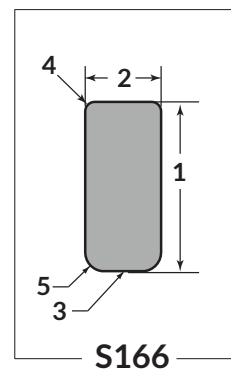
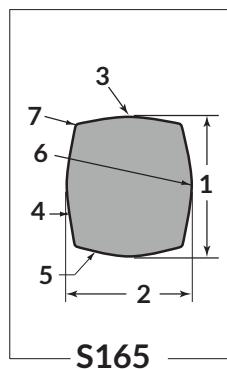
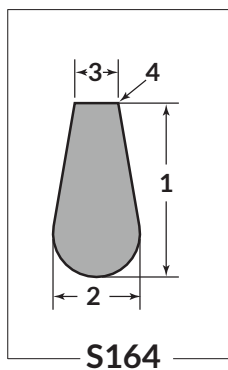
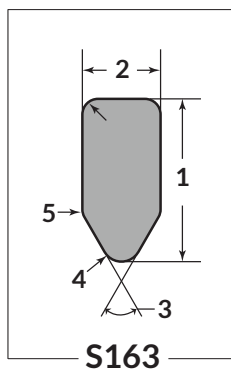
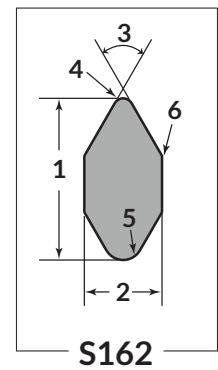
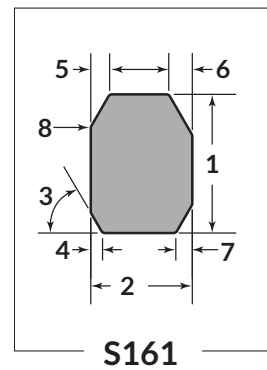
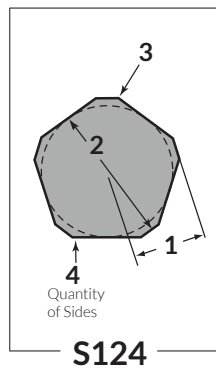
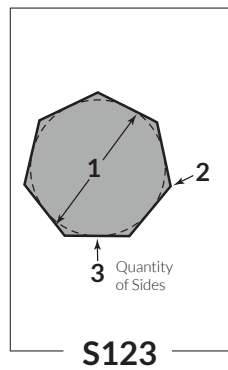
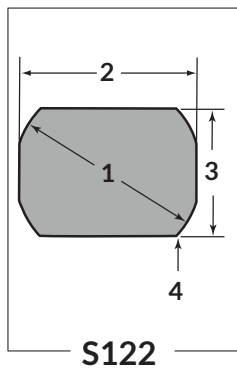
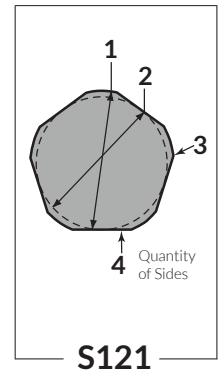
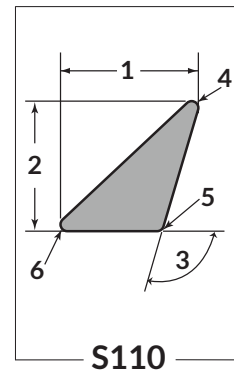
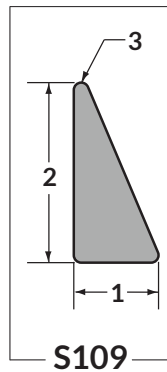
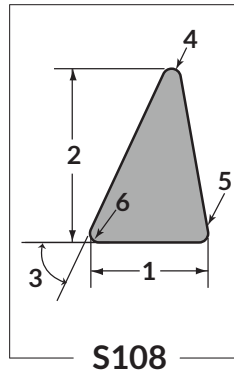
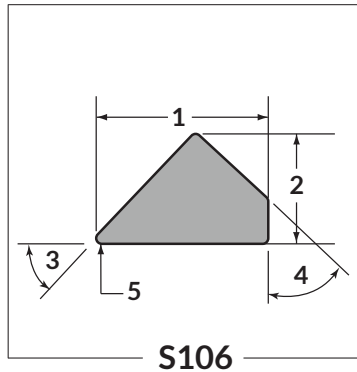
APPLICATION	ADVANTAGES	INFORMATION NEEDED
The E-Z Set™ punch head provides quick turn-of-the-wrist adjustment. A simple lift and turn of the adjustable head is all that is required. You can achieve just the right mark or form when using the E-Z Set™ punch head on A or B station stamping and forming tools.	• Precise adjustment: Each adjustment click provides a 0.09 mm incremental change in the tool length. • The maximum adjustment is approximately 3 mm. • Fine length adjustments can now be made without removing the tool from the turret, thus reducing machine down time. • You will see instant payback based on reduced machine down time.	• Type of holder - imperial or metric • Style of guide assembly

STANDARD SHAPES (GROUP 'A')



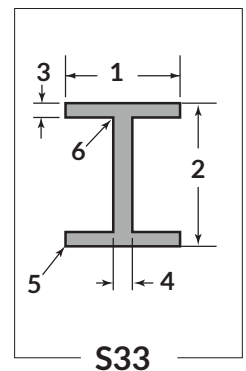
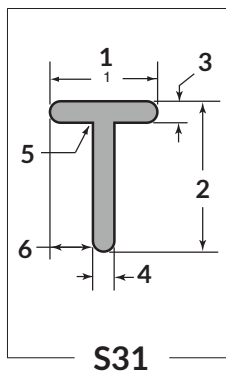
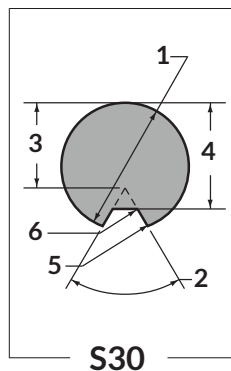
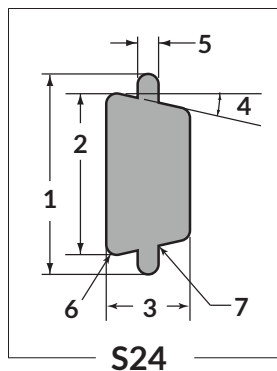
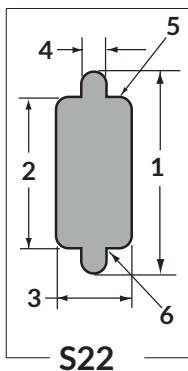
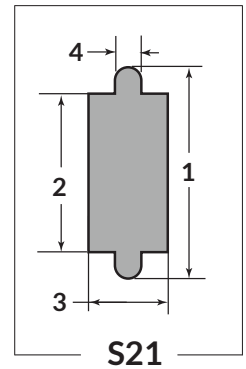
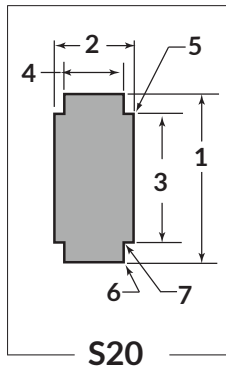
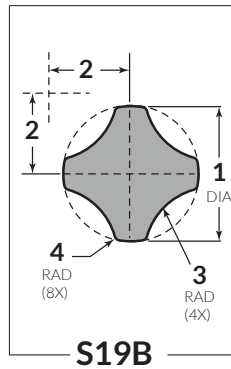
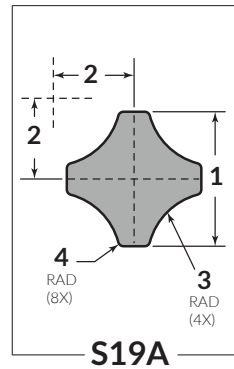
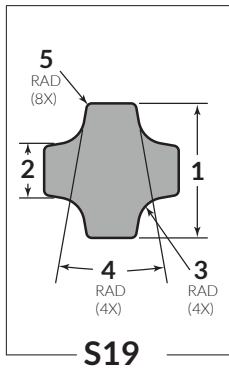
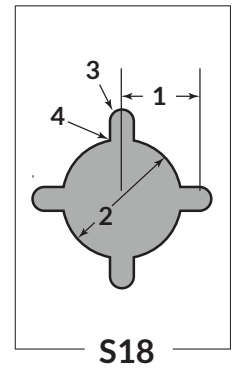
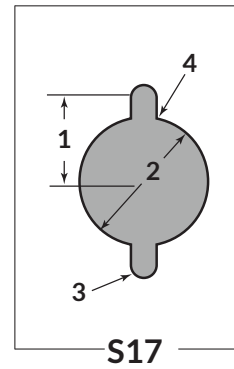
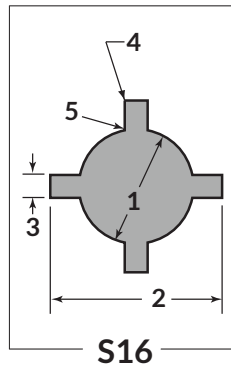
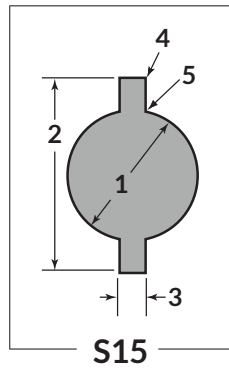
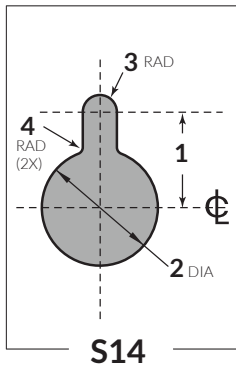
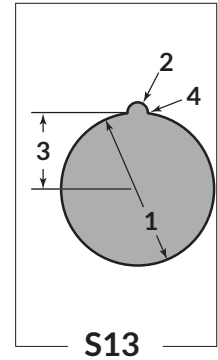
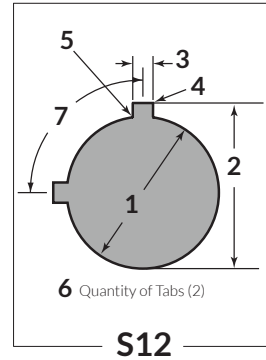
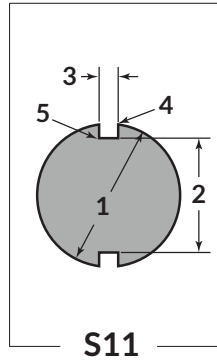
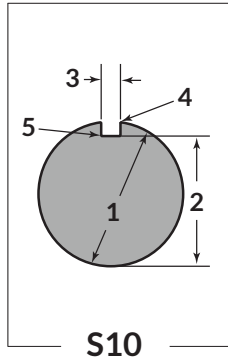
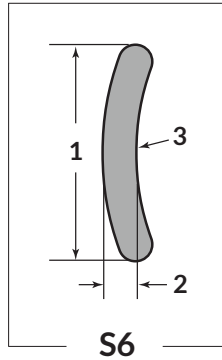
NOTE: Special considerations may alter price and lead time.

STANDARD SHAPES (GROUP 'A')



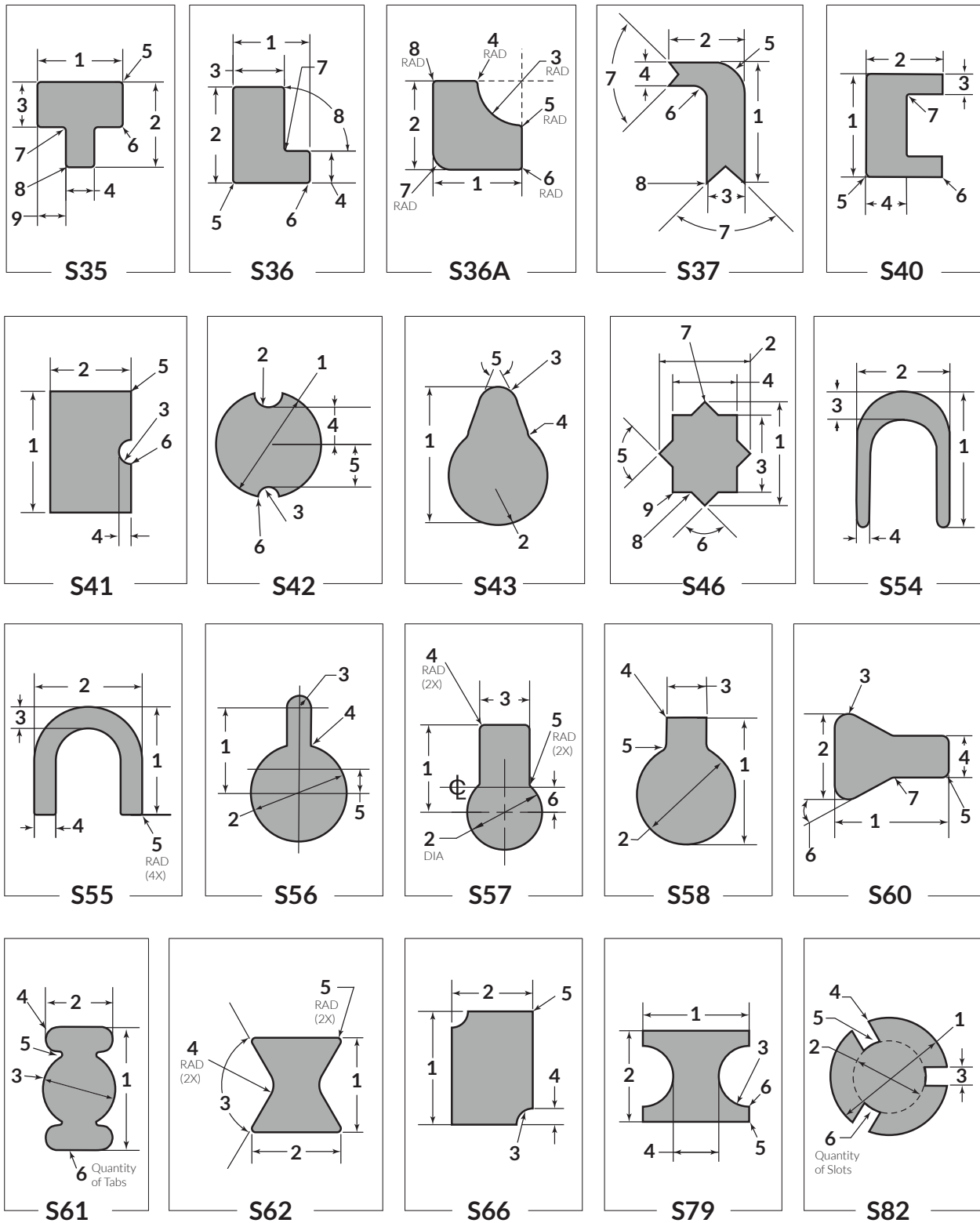
NOTE: Special considerations may alter price and lead time.

GROUP 'B'



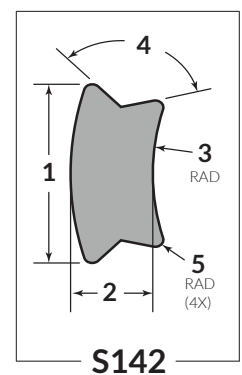
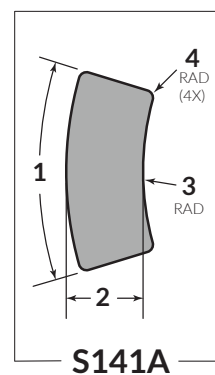
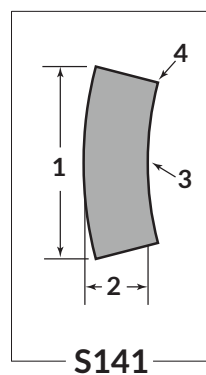
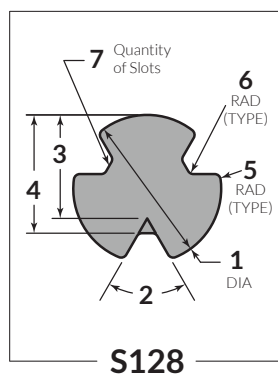
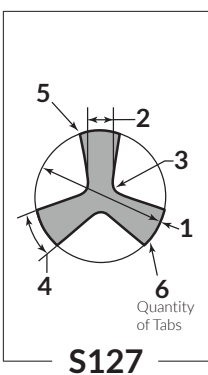
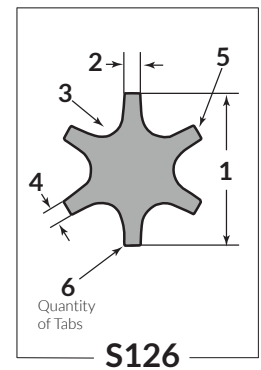
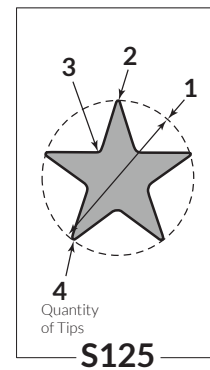
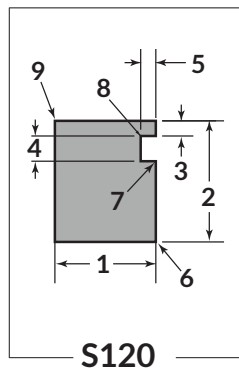
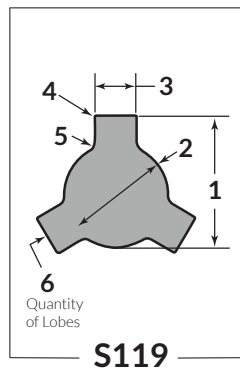
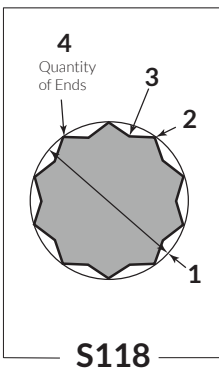
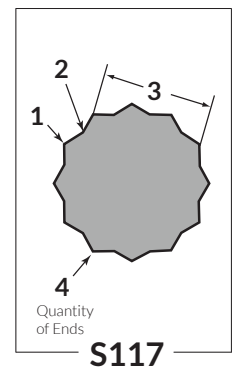
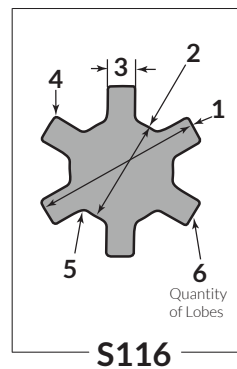
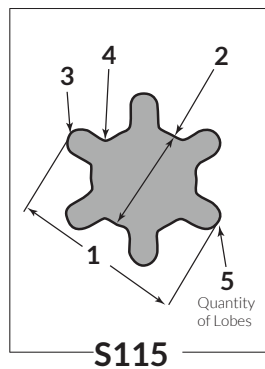
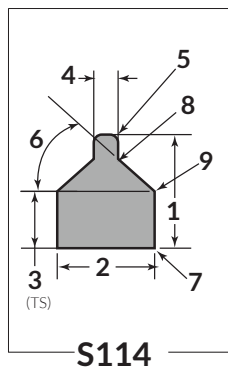
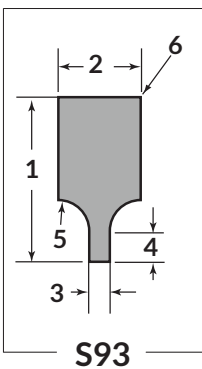
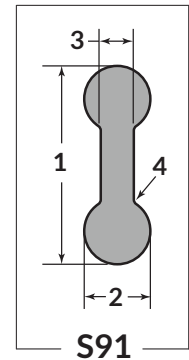
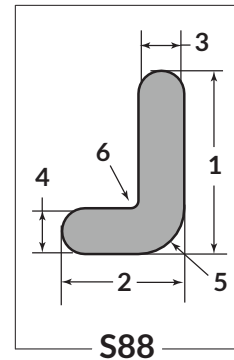
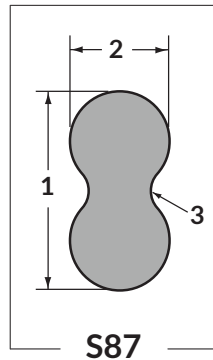
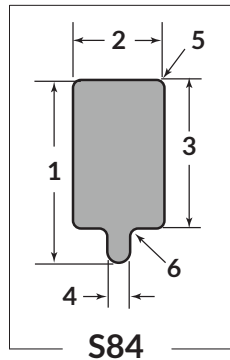
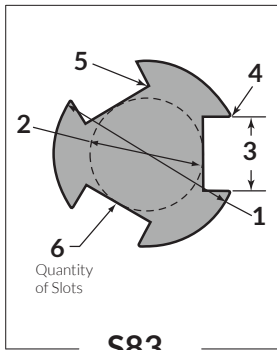
NOTE: Special considerations may alter price and lead time.

GROUP 'B'



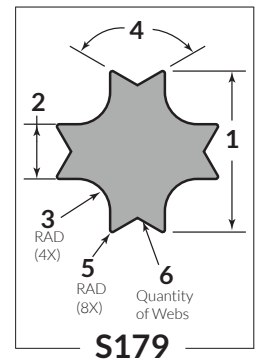
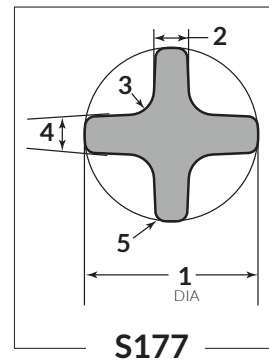
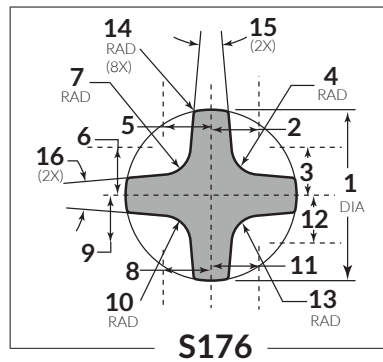
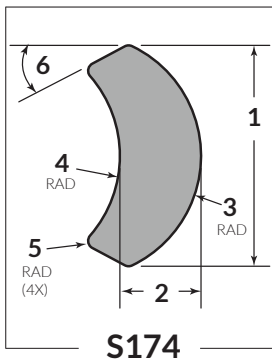
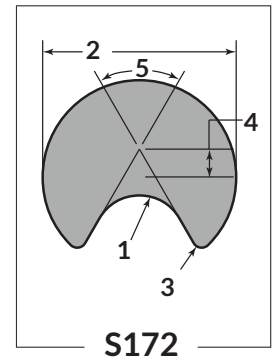
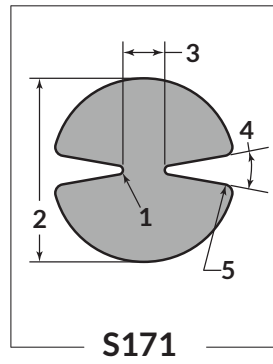
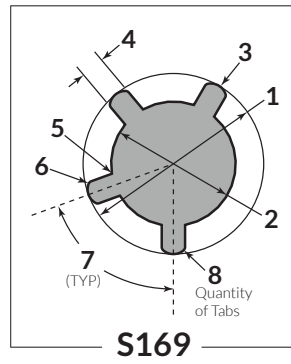
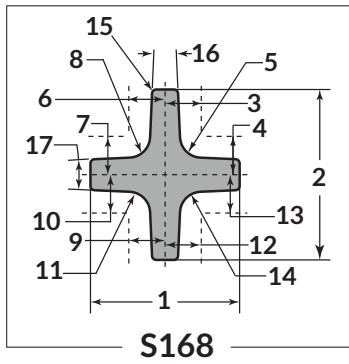
NOTE: Special considerations may alter price and lead time.

GROUP 'B'



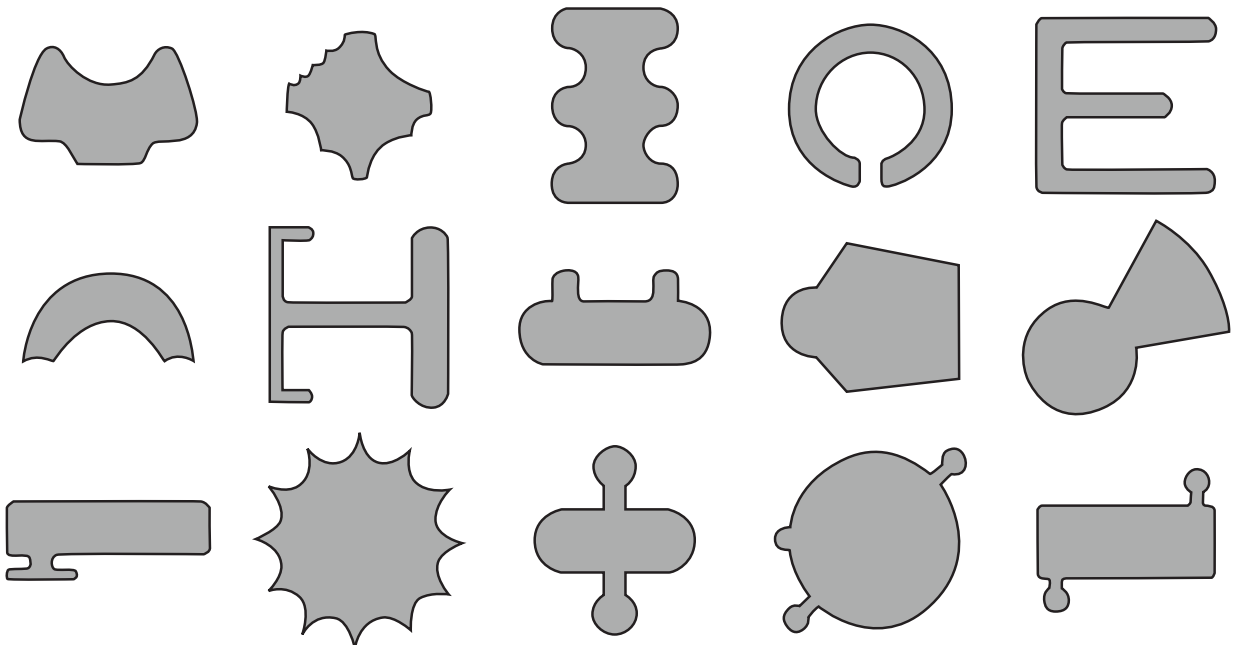
NOTE: Special considerations may alter price and lead time.

GROUP 'B'



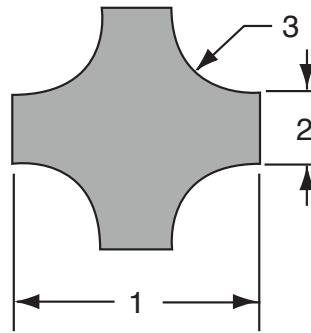
NOTE: Special considerations may alter price and lead time.

GROUP 'C'



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

4-WAY RADIUS TOOLS - STANDARD SIZES



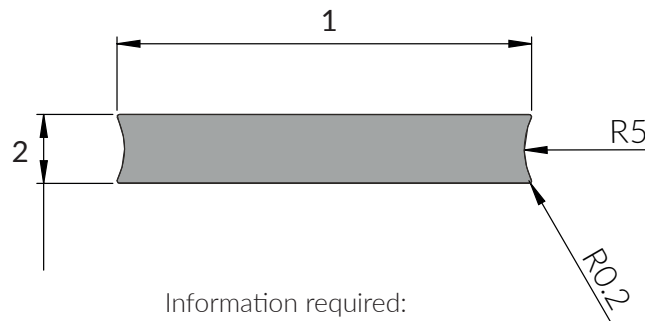
Information required:

1 = _____

2 = _____

3 = _____

WT STYLE FISHTAIL TOOL



Information required:

1 = _____

2 = _____

BE LIMITED BY YOUR IMAGINATION, NOT YOUR TOOLS

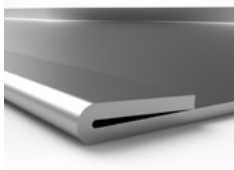


Wilson Tool can help you to reduce secondary operations and save you valuable manufacturing time.

CHALLENGE US!

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

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



Hemming

Unexpected ways to hem component edges.



Part Bending

Alternative ways to form bent parts.



Corner Forming

Form closed corners without the need for welding.

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

Press Brake Compatible

Punch Press Compatible



X-SHARP GRINDER

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

The benefits:

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

Press Brake Compatible

Punch Press Compatible



ULTRASONIC CLEANER

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

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

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



See this tool in action on the Wilson Tool YouTube Channel

Press Brake Compatible
.....
Punch Press Compatible



LARGE XTREME STORAGE CABINET

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

Press Brake Compatible
.....
Punch Press Compatible



MEDIUM XTREME STORAGE CABINET

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

Press Brake Compatible
.....
Punch Press Compatible



SMALL XTREME STORAGE CABINET

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

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

T-HANDLE EXTRACTOR

Press Brake Compatible
.....
Punch Press Compatible

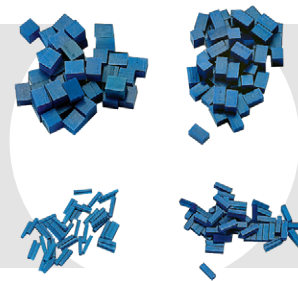


Used for large station guide assemblies.

.....
Cat. No. 6483

SLUG EJECTORS

Press Brake Compatible
.....
Punch Press Compatible



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

ZIP-MAR ADHESIVE DISCS™

Press Brake Compatible
.....
Punch Press Compatible

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



STATION	QUANTITY	CAT. NO.
A	Pack of 10	6083
B	Pack of 10	6084
C	Pack of 10	6085
D	Pack of 10	6086
E	Pack of 10	6087
Sheet	15.2 x 30.5 cm	6108

DIGITAL THICKNESS GAUGE

Press Brake Compatible
.....
Punch Press Compatible



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

.....
Cat. No. 974117

DIGITAL EASY READ CALIPER

Press Brake Compatible
.....
Punch Press Compatible



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

.....
Cat. No. 974118

One tool is required to align each station.

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



SINGLE TRACK MACHINE ALIGNMENT TOOLS

Press Brake Compatible
.....
Punch Press Compatible

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

STATION	UPPER CAT. NO
A	2601
B	2602



MULTIPLE TRACK MACHINE ALIGNMENT TOOLS

Press Brake Compatible
.....
Punch Press Compatible

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

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



ALIGNMENT TOOLS

Press Brake Compatible
.....
Punch Press Compatible

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

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



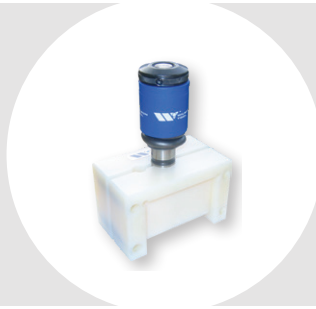
BALL RIDING AND BRUSH DIE

Press Brake Compatible
.....
Punch Press Compatible

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

NYLON VICE JAWS

Press Brake Compatible
Punch Press Compatible



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

Cat. No. 24001

ASSEMBLY FIXTURE

Press Brake Compatible
Punch Press Compatible

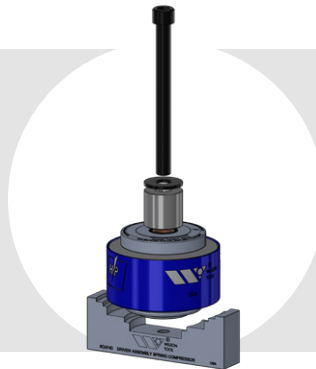


Ideal bench mounted aid for assembling.
For C and D Stations.

Cat. No. 24162

HP SPRING COMPRESSION KIT

Press Brake Compatible
Punch Press Compatible



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

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

RUBBERIZED ABRASIVE WHEEL

Press Brake Compatible
Punch Press Compatible



- For removing galling

Cat. No. 8050

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

Cat. No. 6055



PUNCH LUBRICANT

Press Brake Compatible
Punch Press Compatible

Xcel 1 Liter Spray Bottle
Cat. No. 24315

Xcel 5 Litre Concentrate
Cat. No. 24316



SHEET LUBRICANT

Press Brake Compatible
Punch Press Compatible

0.95 Litre capacity enamel steel sprayer with adjustable plastic nozzle.

Cat. No. 6120



SURE SHOT SPRAYER

Press Brake Compatible
Punch Press Compatible

MAGNET SQUARE

Press Brake Compatible

Punch Press Compatible



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

Cat. No. 974150

WIRE BRUSH

Press Brake Compatible

Punch Press Compatible



3 Row

5 Row

Cat. No. 55068

Cat. No. 55069

OIL STONE

Press Brake Compatible

Punch Press Compatible



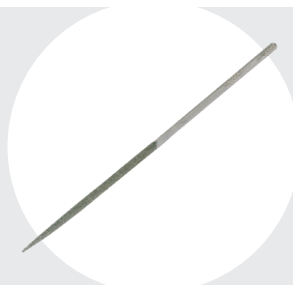
Triangular aluminum oxide
sharpening stone.

Cat. No. 6060

DIAMOND FILE

Press Brake Compatible

Punch Press Compatible



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

Cat. No. 6059

SAE HEX KEY WRENCH SET

Press Brake Compatible

Punch Press Compatible



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

Cat. No. 6057

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

Cat. No. 6105



METRIC HEX KEY WRENCH SET

Press Brake Compatible

Punch Press Compatible

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

Cat. No. 6106



SOFT FACE HAMMER

Press Brake Compatible

Punch Press Compatible

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

Cat. No. 6056



TRU-ARC PLIERS

Press Brake Compatible

Punch Press Compatible

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

Cat. No. 6058



SPANNER WRENCH

Press Brake Compatible

Punch Press Compatible

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

Cat. No. 55061



TINSNIPS

Press Brake Compatible

Punch Press Compatible

DIE SHIMS FOR MULTI-TOOLS®						
STATION	SHAPE	THICKNESS	INDIVIDUAL CAT. NO.	PRICE	PACKAGE OF 15 CAT. NO.	PRICE
3-1/2 - 8i/Ri		0.25 mm	6800	2,00 €	6815	25,70 €
3-1/2 - 8i/Ri		0.76 mm	6801	2,00 €	6816	25,70 €
MT 12 & 20-8	Round	0.25 mm	6802	2,00 €	6817	28,10 €
MT 12 & 20-8	Round	0.76 mm	6803	2,00 €	6818	28,10 €
MT 12 & 20-8	Shape	0.25 mm	6804	3,20 €	6819	38,30 €
MT 12 & 20-8	Shape	0.76 mm	6805	4,40 €	6820	38,30 €
MT 6 & 10 - 16		0.25 mm	6806	2,00 €	6821	30,70 €
MT 6 & 10 - 16		0.76 mm	6807	3,00 €	6822	30,70 €
MT 6 & 8-24		0.25 mm	6808	2,00 €	6823	30,70 €
MT 6 & 8-24		0.76 mm	6809	2,00 €	6824	30,70 €
1-1/4 - 5		0.25 mm	6810	2,20 €	6825	26,70 €
1-1/4 - 5		0.76 mm	6811	2,20 €	6826	26,70 €

THICK TURRET B to A STATION ADAPTER

DESCRIPTION	CAT. NO.	PRICE
Punch & Guide Assembly Adapter (Keyed at 0° & 90°)	2284	472,70 €
Die Adapter	2220	407,30 €
Screw	2119	2,40 €

THICK TURRET C to B STATION ADAPTER

DESCRIPTION	CAT. NO.	PRICE
Punch & Guide Assembly Adapter	2476	751,20 €
Die Adapter	2475	629,90 €
Screw	6206	2,40 €

THICK TURRET D to B STATION ADAPTER

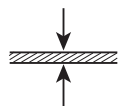
DESCRIPTION	CAT. NO.	PRICE
Punch & Guide Assembly Adapter (not shown)	2492	712,20 €
Die Adapter	35058	582,60 €

THICK TURRET E to B STATION ADAPTER

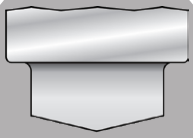
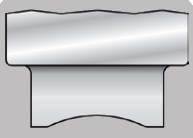
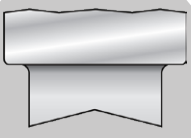
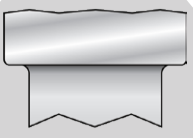
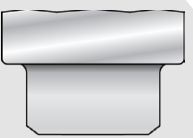
DESCRIPTION	CAT. NO.	PRICE
Punch & Guide Assembly Adapter (not shown)	2680	1.597,60 €
Die Adapter	2681	970,10 €

**MAX. MATERIAL THICKNESS FOR ABOVE ADAPTERS**

3.4 mm mild steel and aluminum
2.3 mm stainless steel



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

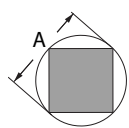
ROOFTOP	CONCAVE OR DOUBLE CONCAVE	INVERTED ROOFTOP	DOUBLE VALLEY	JK SHEAR
 + Best shear for punching at maximum tonnages. - When nibbling, bite must be 75% of punch dimension or excessive side loading will result.	 + Best shear for nibbling because it inverts stresses. - Less resistant to breakage when punching at high tonnages because of inverted stresses.	 + Good shear for nibbling because it inverts stresses. - More susceptible to breakage because of a sharp focal point for stresses—use great care.	 + Best shear for nibbling when shape is long and narrow. - Less resistant to breakage when punching at high tonnages because of inverted stresses.	 + 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 25.4 mm diameter or 'A' dimension.

SPECIAL SHEARS

STATION	'A' Dimension	Inverted Rooftop		Double Valley	
		Single Concave		Double Concave	
		1.6 mm	3.2 mm	1.6 mm	3.2 mm
B	Within 31.75 mm	27,00 €	N/A	39,10 €	N/A
C	Within 50.8 mm	31,70 €	31,70 €	43,90 €	43,90 €
D	Within 88.9 mm	31,70 €	31,70 €	43,90 €	43,90 €
E	Within 114.3 mm	43,90 €	43,90 €	68,10 €	68,10 €

JK SHEAR

SHAPE	ADD ON PRICE
Round	27,00 €
Rectangle, Square, Hexagon, Single 'D', Double 'D'	27,00 €
Oblong OB Round	44,80 €

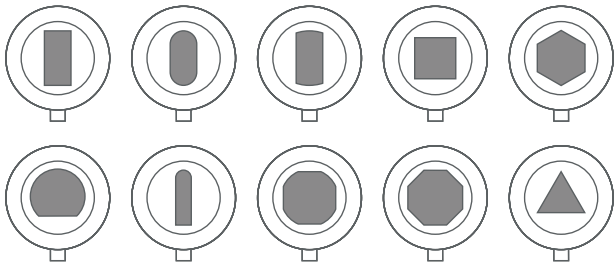
SPECIAL SHEAR DETAILS	'A' DIMENSION	EXCEPTION
1.6 mm rooftop shear is given to all punches with 'A' dimension† greater than 50.8 mm and width greater than 6.35 mm at no extra charge. All punches 6.35 mm and under in width will be shipped with no shear unless specified.		In some instances, inverted rooftop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

JK SHEAR DETAILS
If specified: 3.2 mm maximum rooftop shear can be given at N/C for any round or shape in C, D, E or F stations. For rooftop shear on any round or shape in A or B stations, add.

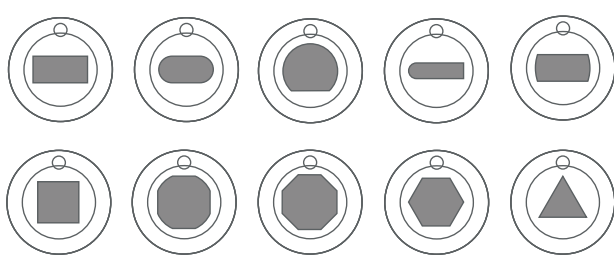
STANDARD KEYING LOCATIONS

PUNCH VIEW

A & B STATION

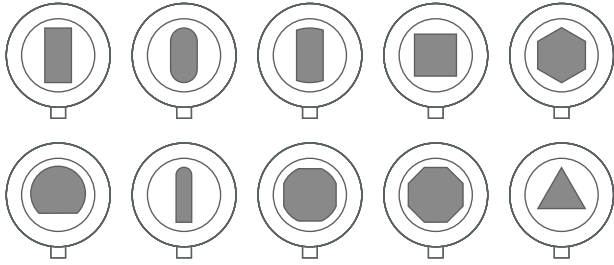


C,D & E STATION

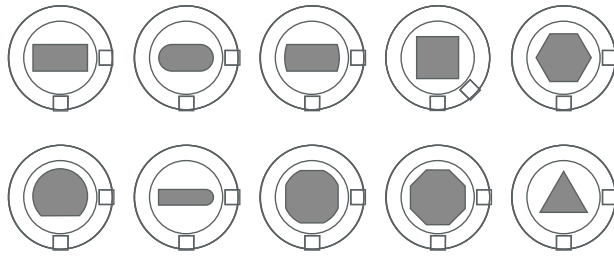


DIE VIEW

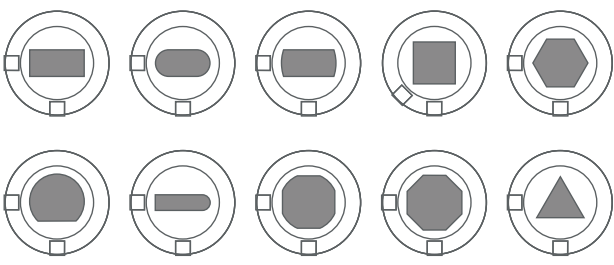
A & B STATION



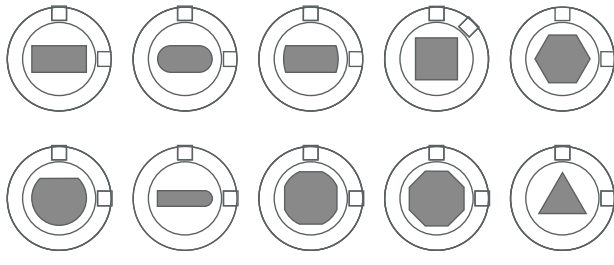
C STATION



D STATION

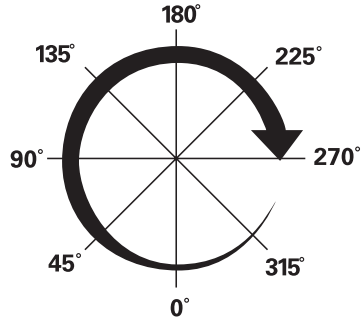


E STATION



REFERENCE

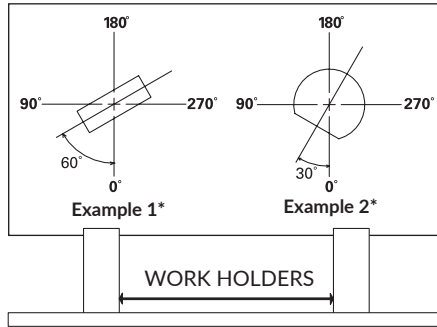
Wilson Tool Keying Diagram



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

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

Examples of angle settings:



FRONT OF PRESS

SHAPE at single angles other than standard

Station	Punch	Die	Guide or Stripper
A	N/C	23,30 €	N/C
B	39,10 €	39,10 €	Not Applicable
C	64,40 €	57,00 €	Not Applicable
D	80,20 €	70,90 €	Not Applicable
E	132,40 €	114,70 €	Not Applicable

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

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

Station	Punch	Die	Guide or Stripper
A	Not Applicable	Not Applicable	84,00 € / key
B	Not Applicable	Not Applicable	84,00 € / key
C	114,70 € / pin	96,90 € / key	Not Applicable
D	114,70 € / pin	96,90 € / key	Not Applicable
E	114,70 € / pin	96,90 € / key	Not Applicable

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

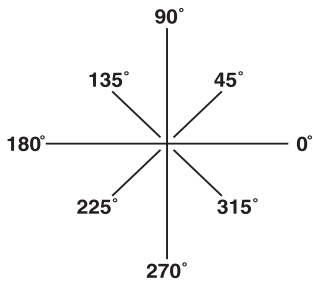
Station	PUNCH		DIE		Guide or Stripper
	Available Options	Add On Price	Available Options	Add On Price	
A	Not Available	Not Available	Not Available	Not Available	35,50 € / key
B	0° & 45° 0° & 180°	44,80 €	0° & 45° 0° & 180°	30,80 €	35,50 € / key
C	45° increments	106,30 € / pin	45° increments	30,80 € / key	Not Applicable
D	45° increments	106,30 € / pin	45° increments	30,80 € / key	Not Applicable
E	45° increments	106,30 € / pin	45° increments	30,80 € / key	Not Applicable

Die Clearance Selection Information

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

% X Material Thickness = Total Clearance

Die View



Front of Press

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

'A' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
0.79 - 1.50 mm	13,10 €	7,50 €	N/C
Clearance < 0.10 mm	11,20 €	11,20 €	N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm	85,80 €	7,50 €	13,10 €
Clearance < 0.10 mm	11,20 €	11,20 €	N/C

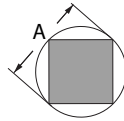
'B' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
0.79 - 1.50 mm	13,10 €	7,50 €	N/C
Clearance < 0.10 mm	11,20 €	11,20 €	N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm	85,80 €	7,50 €	13,10 €
Clearance < 0.10 mm	11,20 €	11,20 €	N/C

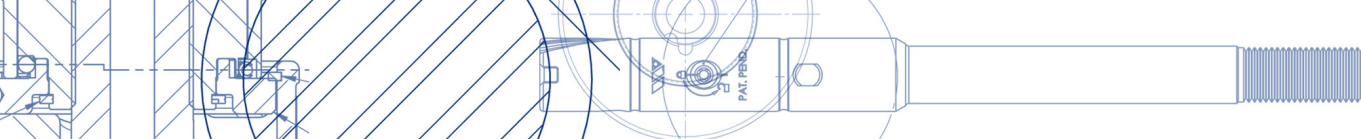
'C' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
<25.4 mm	52,30 €	N/C	N/C
Clearance < 0.10 mm	28,00 €	39,10 €	N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm	149,20 €	166,00 €	31,70 €
'A' Dim < 29.21 mm	42,80 €	N/C	N/C
'A' Dim 29.21 - 31.72 mm	18,70 €	N/C	N/C
Clearance < 0.10 mm	39,10 €	39,10 €	N/C

'D' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
<48.26 mm	82,10 €	N/C	N/C
48.26 - 50.77 mm	11,20 €	N/C	N/C
Clearance < 0.10 mm	28,00 €	39,10 €	N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm	221,90 €	244,30 €	42,80 €
'A' Dim < 48.26 mm	61,50 €	N/C	N/C
'A' Dim 48.26 - 50.77 mm	18,70 €	N/C	N/C
Clearance < 0.10 mm	39,10 €	39,10 €	N/C

'E' STATION			
Add on for ROUNDS			
Small Diameter	PUNCH	DIE	STRIPPER
<86.36 mm	106,30 €	N/C	N/C
86.36 - 88.87 mm	11,20 €	N/C	N/C
Clearance < 0.10 mm	35,50 €	50,30 €	N/C
Add on for SHAPES			
Small Width	PUNCH	DIE	STRIPPER
0.79 - 1.00 mm	333,90 €	333,90 €	63,40 €
'A' Dim < 86.36 mm	93,30 €	N/C	N/C
'A' Dim 86.36 - 88.87 mm	18,70 €	N/C	N/C
Clearance < 0.10 mm	50,30 €	50,30 €	N/C

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

MAX 'A' DIMENSION	NOTES
	Add to round or shape punch for : • Extra straight before radius • Extra back taper • No back taper 10,20 €



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