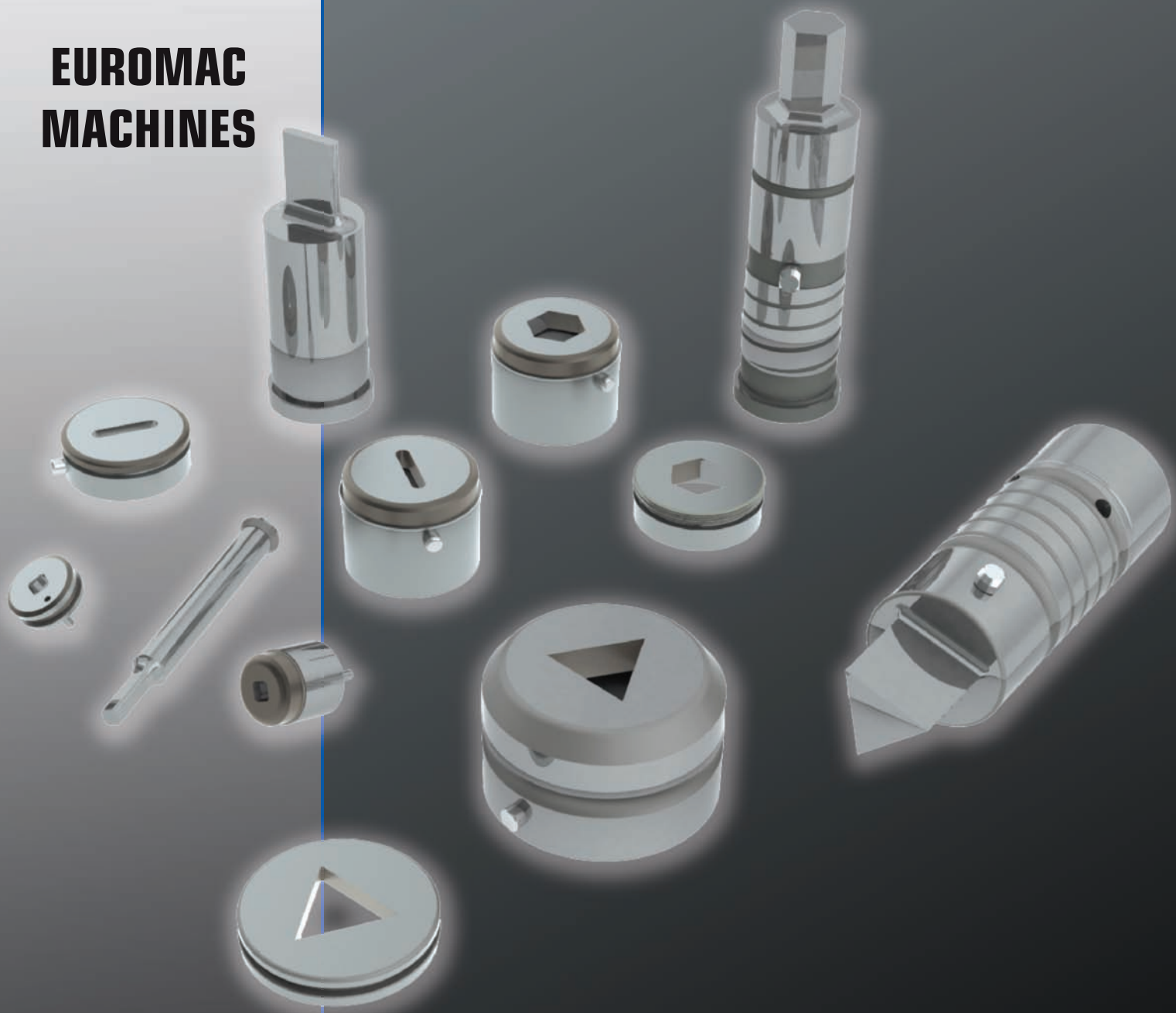




Wilson Tooling System

**EUROMAC
MACHINES**



EUROMAC®

TECHNOLOGY FOR INCREASED TOOL LIFE

OPTIMA COATING



The New Standard in Tooling Performance!

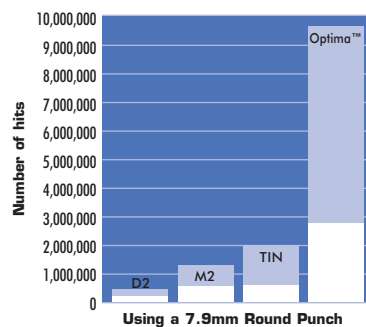
Optima™ is a proprietary TiCN (titanium carbo-nitride) coating that was custom engineered at our in-house coating facilities. It features unique properties that significantly enhance tooling performance. This coating, which is available only to Wilson Tool customers, provides a level of surface hardness, wear resistance and lubricity never before associated with coated or uncoated punch press tooling.

Some of the many benefits that you will enjoy with our Optima™ coating include:

- Longer tool life
- Increased wear resistance
- More hits between sharpenings
- Reduced adhesion (galling)
- Reduced slug pulling
- Reduced corner breakdown
- Improved special tooling performance
- Lower overall tooling costs
- In-house coating facilities allow us to deliver faster and maintain total quality control

PUNCH LIFE

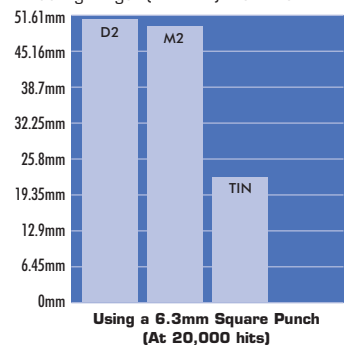
Punch Life
Nibbling 14ga. (1.9mm) 304 Stainless Steel



Using a 7.9mm Round Punch
The white area indicates actual results achieved through three tool sharpenings of 0.25mm each. The complete graph indicates projected results with a total of 6mm removed for sharpening.

MATERIAL ADHESION

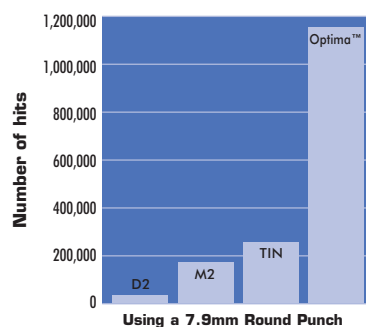
Square mm of Material Adhesion (Galling) on Punch Tips
Nibbling 12ga. (2.1mm) Aluminium



Using a 6.3mm Square Punch (At 20,000 hits)

NUMBER OF HITS

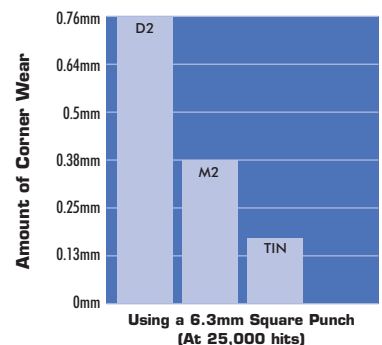
Number of Hits Before First Sharpening
Nibbling 14ga. (1.9mm) 304 Stainless Steel



Using a 7.9mm Round Punch

TIP WEAR

Punch Tip Corner Wear
Nibbling 14ga. (1.9mm) 304 Stainless Steel



Using a 6.3mm Square Punch (At 25,000 hits)

Optima
TECHNOLOGY AT THE CUTTING EDGE

B Station Punches, Dies & Strippers For Euromac XMTE4 Multi-tools		
Description	Cat.No	Price
PUNCHES		
Round	13717	
Shape	13718	
STRIPPERS		
Round	15533	
Shape	15534	
DIES		
Round Standard	2021	
Round Slug Hugger®	2194	
Shape Standard	2025	
Shape Slug Hugger®	2195	
DIE SHIMS (Pkg of 25)		
0.25	2209	
0.75	2724	
1.5	2173	



24mm Punches, Dies & Strippers For Euromac XMTE6 & XMTE 10 Multi-tools		
Description	Cat.No	Price
PUNCHES (SOLID STYLE)		
Round	6916	
Shape	6917	
PUNCHES (ADJUSTABLE STYLE - XMT24A)		
Punch Assembly (Inc Head) Round	TBA	
Punch Assembly (Inc Head) Shape	TBA	
Punch Only Round	TBA	
Punch Only Shape	TBA	
Punch Head	TBA	
STRIPPERS		
Round	6918	
Shape	6920	
DIES		
Round Standard	6152	
Round Slug Hugger®	6189	
Shape Standard	6828/6155†	
Shape Slug Hugger®	6831/6195†	
DIE SHIMS		
Shim Pack (Pkg of X16 0.1mm, X8 0.3mm and X8 0.5mm)	6974	

† A dimension over 19.05 refer to 6155 and 6195 shape dies.

SOLID STYLE PUNCH



ADJUSTABLE STYLE PUNCH (XMT24A)



12.7mm Punches, Dies & Strippers For Euromac XMTE10 Multi-tools		
Description	Cat.No	Price
PUNCHES		
Round	6959	
Shape	6960	
STRIPPERS		
Round	6963	
Shape	6964	
DIES		
Round Standard	6961	
Round Slug Hugger®	6969	
Shape Standard	6962	
Shape Slug Hugger®	6970	
DIE SHIMS		
Shim Pack (Pkg of X16 0.1mm, X8 0.3mm and X8 0.5mm)	6975	



Punches, Dies & Strippers For Euromac MTE4 Multi-tools		
Description	Cat.No	Price
PUNCHES		
Round	13717	
Shape	13718	
STRIPPERS		
Round	1890	
Shape	1917	
DIES		
Round Standard	2021	
Round Slug Hugger®	2194	
Shape Standard	2025	
Shape Slug Hugger®	2195	
DIE SHIMS (Pkg of 25)		
0.25	2209	
0.75	2724	
1.5	2173	



Punches, Dies & Strippers For Euromac MTE6 Multi-tools		
Description	Cat.No	Price
PUNCHES		
Round	6150	
Shape	6153	
STRIPPERS		
Round	6151	
Shape	6827/6154	
DIES		
Round Standard	6152	
Round Slug Hugger®	6189	
Shape Standard	6828/6155†	
Shape Slug Hugger®	6831/6195†	
DIE SHIMS (Pkg of 15)		
0.25	6823	
0.76	6824	

† A dimension over 19.05 refer to 6155 and 6195 shape dies.

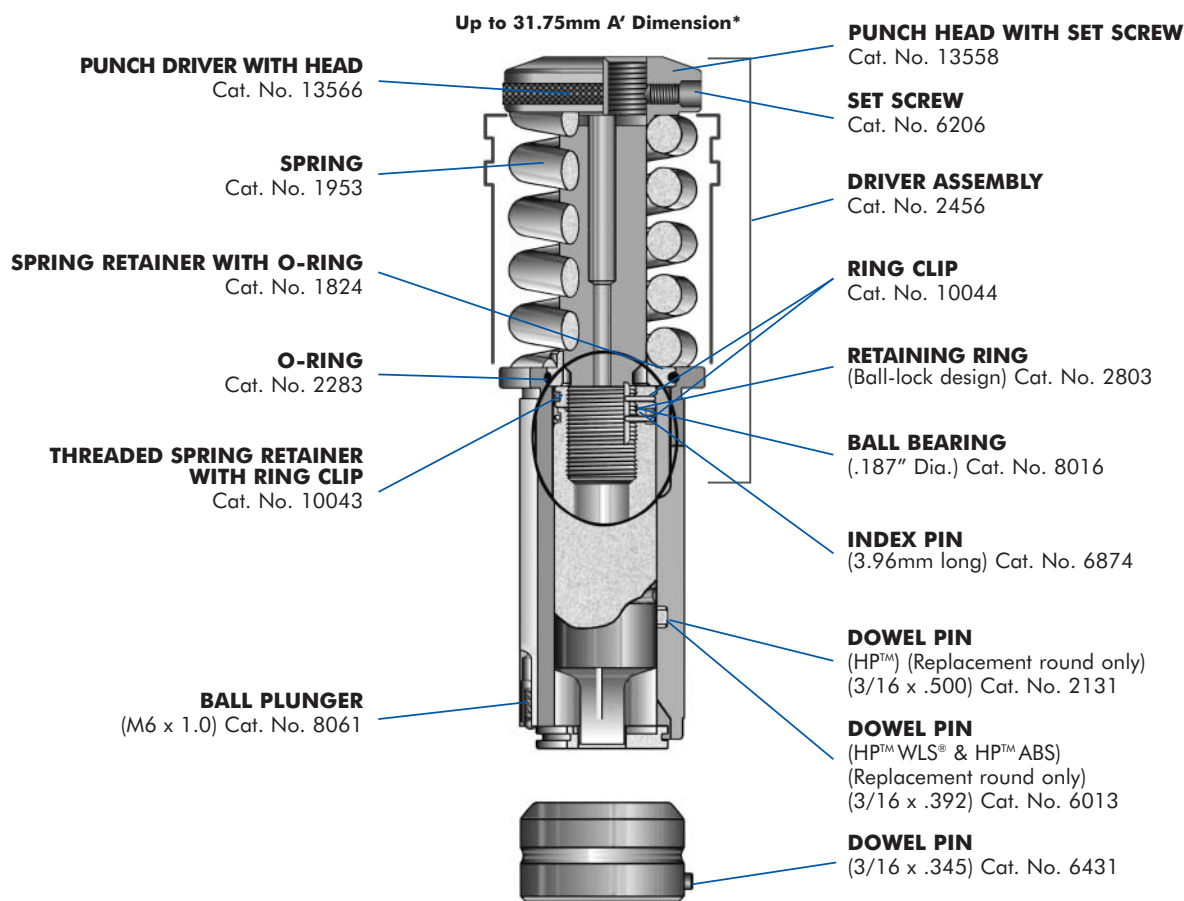


Punches, Dies & Strippers For Euromac MTE10 Multi-tools				
Description	Cat.No	Price	Cat.No	Price
PUNCHES				
Round	24mm 6150		8mm 6080	
Shape	6153		6147	
STRIPPERS				
Round	6151		6146	
Shape	6827/6154		6148	
DIES				
Round Standard	6152		6081	
Round Slug Hugger®	6189		6185	
Shape Standard	6828/6155†		6149	
Shape Slug Hugger®	6831/6195†		6191	
DIE SHIMS (Pkg of 25)				
0.25	6823††		Round 6817	
0.75	6824††		Round 6818	
0.25	-		Shape 6819	
0.76	-		Shape 6820	

† A dimension over 19.05 refer to 6155 and 6195 shape dies.

†† Die Shims 6823 and 6824 are in a Pkg of 15.





Maximum Material Thickness 6.35mm

Description		HP™		HP™ ABS		HP™ WLS®	
		Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
Punch & Guide Assembly	• Round	12827		12831		12845	
	• Shape Fitted	13167		13170		13176	
	• Optima® Add On	-		-		-	
	• Ultima™ Add On (Round)	-		-		-	
	• Ultima™ Add On (Shape)	-		-		-	
Punches	• Round	2407		2398		2581	
	• Shape	2408		2399		2586	
	• Optima® Add On	-		-		-	
	• Ultima™ Add On (Round)	-		-		-	
	• Ultima™ Add On (Shape)	-		-		-	
Guides	• Round	2859		2881		2899	
	• Shape (0°)	2860		2882		2900	
	• Shape (0° & 45°)	2861		2883		2901	
	• Shape (0° & 90°)	2862		2884		2902	
Stripper	• Round	1890		2433		1890	
	• Shape Fitted	1917		2432		1917	
Dies	• Round Slug Hugger®†	2194		2194		2194	
	• Round Standard	2021		2021		2021	
	• Shape Slug Hugger®†	2195		2195		2195	
	• Shape Standard	13804		13804		13804	
	• Ultima™ Add On (Round)	-		-		-	
	• Ultima™ Add On (Shape)	-		-		-	

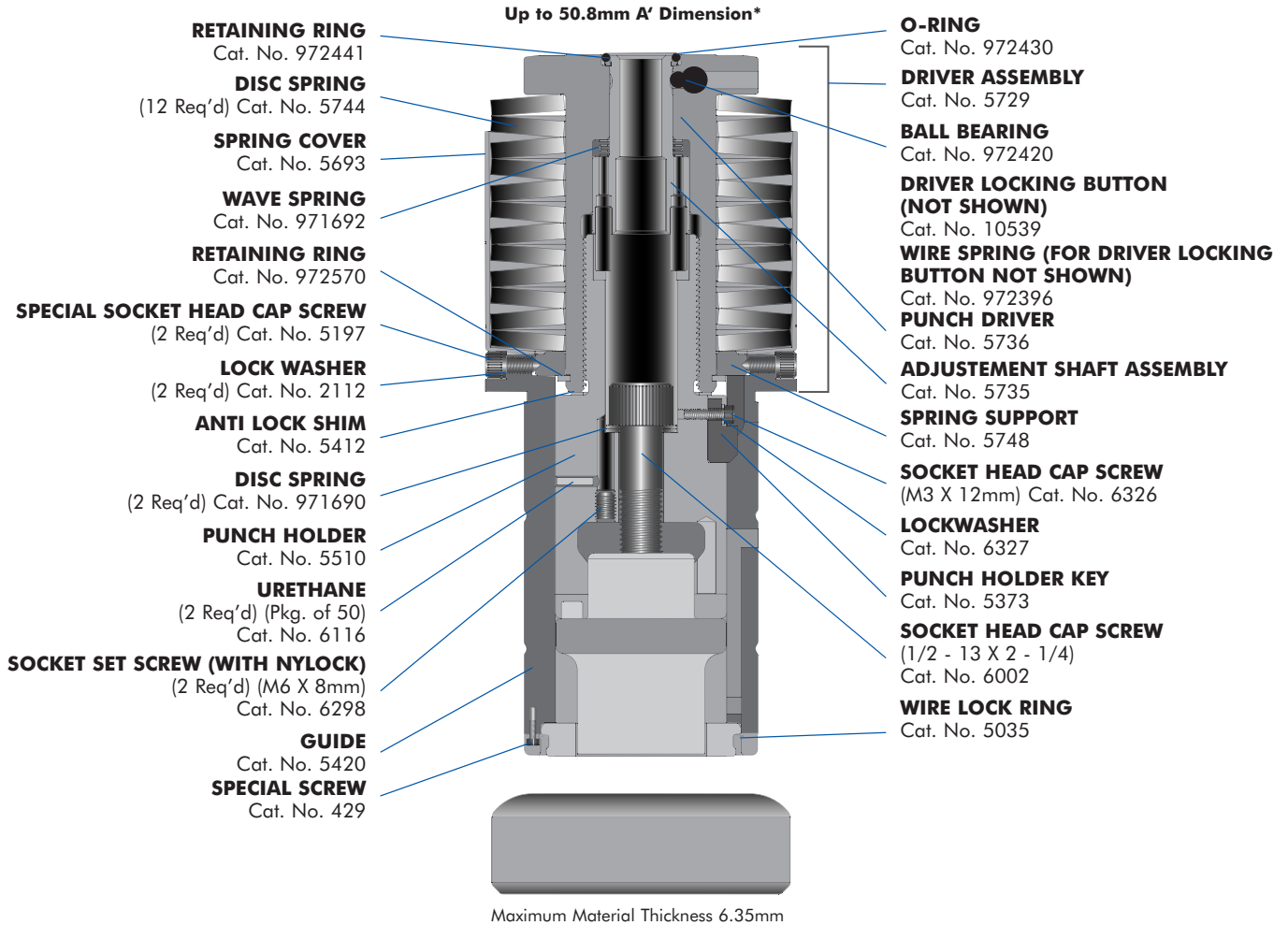
Notes

• Std. keying for square guides is 0° & 45°.

† Slug Hugger® dies must be ordered punch size plus clearance. Size restrictions apply. Slug Hugger 2 available on request. Contact Sales Desk for further information.

* 'A' Dimension = Longest distance across shape.

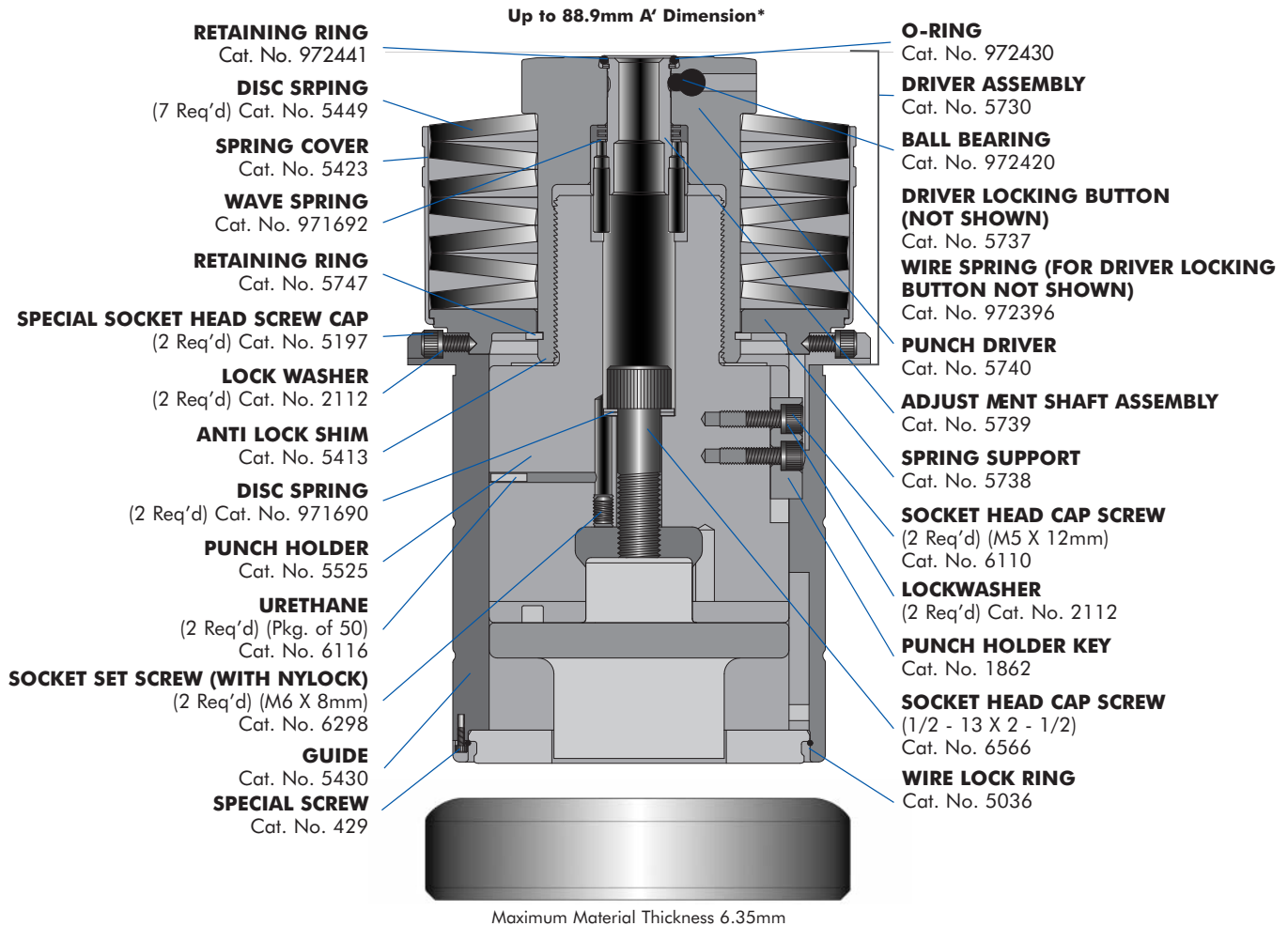
STRIPPER RETAINED WITH WIRE LOCK RING OR STRIPPER CLIPS



Description		Cat. No.	Price
Guide Assembly	• Standard	5586	
	• Standard (LVD)	35194	
	• Standard WLS®	5595	
	• Standard WLS® (LVD)	35195	
Punches	• Round	5026	
	• Shape	5025	
	• Optima® Add On	—	
	• Ultima™ Add On (Round)	—	
	• Ultima™ Add On (Shape)	—	
Strippers	• Round	1848	
	• Shape	1854	
Dies	• Round Slug Hugger®†	2196	
	• Round Standard	1850	
	• Shape Slug Hugger®†	2197	
	• Shape Standard	13807	
	• Ultima™ Add On(Round)	—	
	• Ultima™ Add On(Shape)	—	

Notes
• Standard guide assys. are keyed for shapes at 0°, 90° and 225°. • All punches will be shipped with no shear unless specified. † Slug Hugger® dies must be ordered punch size plus clearance. Size restrictions apply. Slug Hugger 2 available on request. Contact Sales Desk for further information. * 'A' Dimension = longest distance across shape.

STRIPPER RETAINED WITH WIRE LOCK RING OR STRIPPER CLIPS



Description	Cat. No.	Price
Guide Assembly	• Standard	5587
	• Standard (LVD)	35201
	• Standard WLS®	5596
	• Standard WLS® (LVD)	35202
Punches	• Round	5028
	• Shape	5027
	• Optima® Add On	—
	• Ultima™ Add On (Round)	—
	• Ultima™ Add On (Shape)	—
Strippers	• Round	1864
	• Shape	1869
Dies	• Round Slug Hugger®†	2198
	• Round Standard	1865
	• Shape Slug Hugger®†	2199
	• Shape Standard	13810
	• Ultima™ Add On(Round)	—
	• Ultima™ Add On(Shape)	—

Notes
• Standard guide assys. are keyed for shapes at 0°, 90°, 225°. • 1.6mm Rooftop shear is given to all punches with 'A' dimension greater than 50.8mm, and width greater than 6.35mm, at no extra charge. • All punches 6.35mm and under in width will be shipped with no shear unless specified. † Slug Hugger® dies must be ordered punch size plus clearance. Size restrictions apply. Slug Hugger 2 available on request. Contact Sales Desk for further information. * 'A' Dimension = longest distance across shape.

1-1/4" (B) to 1/2" (A) Station Adapter

Description	Cat.No	Price
Punch & Guide Assembly Adapter (Keyed at 0° & 180°)	2284	
Die Adapter	2220	



2" (C) to 1-1/4" (B) Station Adapter

Description	Cat.No	Price
Punch & Guide Assembly Adapter	2476	
Die Adapter	2475	



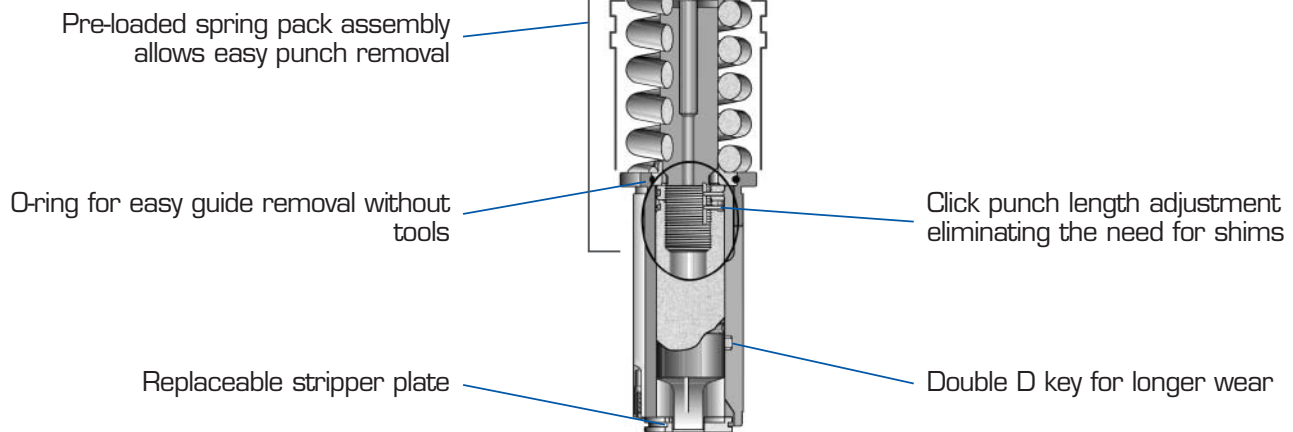
3-1/2" (D) to 1-1/4" (B) Station Adapter

Description	Cat.No	Price
Punch & Guide Assembly Adapter (not shown)	2492	
Die Adapter	35058	

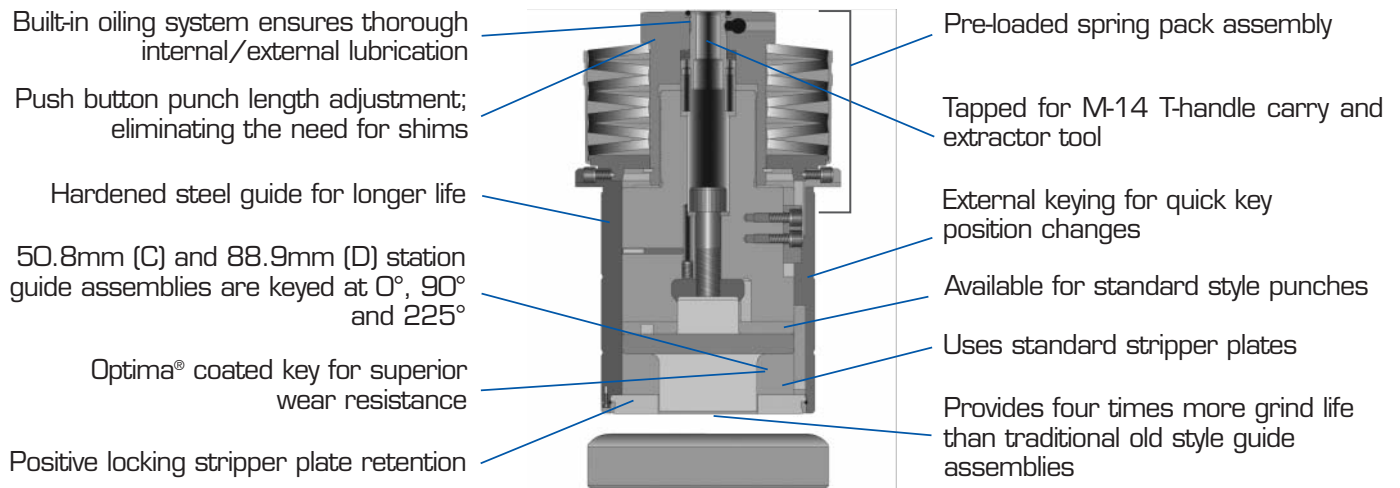
FEATURES & BENEFITS OF HP™ TOOLING



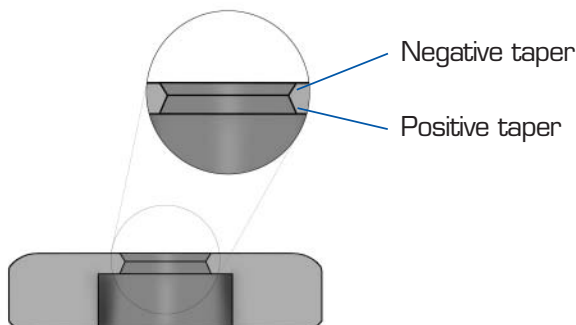
B Station



C, D and E Stations

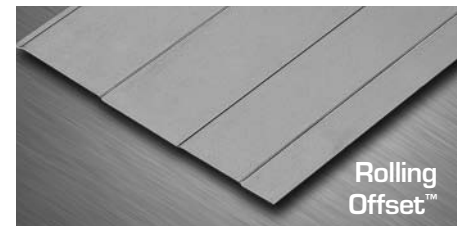
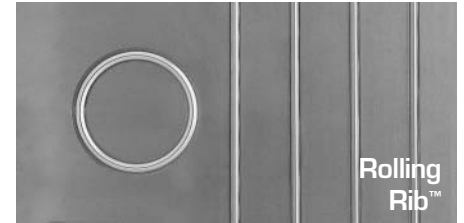
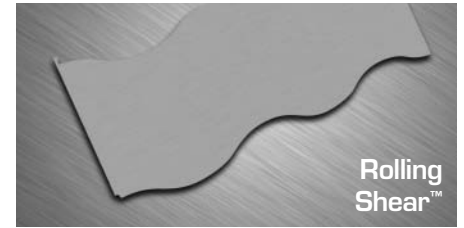


Standard Round Die



Slug Hugger® 2 Die





BENEFITS

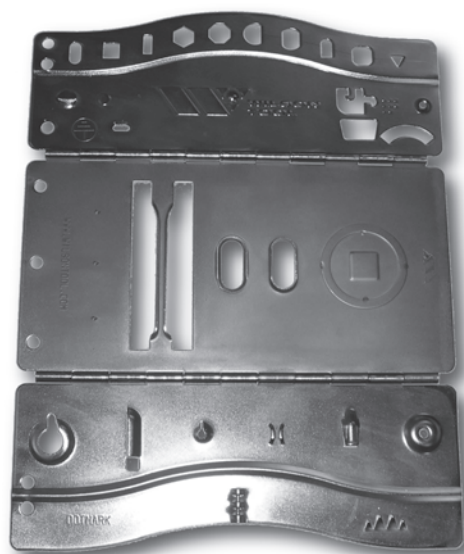
- High speed – equal to programmed table travel speed.
- Create curves, arcs and circles with your auto index station.
- Virtually no burrs or nibble marks on the sheet.
- Eliminate scrap with the rolling shear and pincher.
- Replacement forming wheels available.
- Available in Form-up or Form-down.
- Works on a wide range of material.
- Wheel tools can start or end anywhere on the sheet.
- Stock sizes available for fast delivery.
- A complete instruction manual sent with each tool.

CONSIDERATIONS

- A programmable hydraulic ram is required to use these wheel tools.
- Consult the sales desk for machine specific requirements.
- Consult sales desk for proper adapters when using tool in a large station.
- Consult sales desk for minimum radius of each tool.

INFORMATION NEEDED

- Machine model
- Material thickness and type



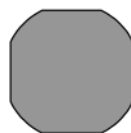
WILSON TOOL SAMPLE PLATES



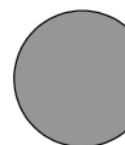
OBROUND



DOUBLE 'D'



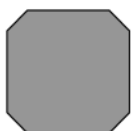
QUAD 'D'



SINGLE 'D'



SQUARE
WITH RADS



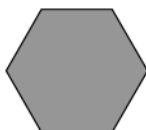
SQUARE
WITH CHAMFERS



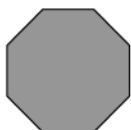
RECTANGLE
WITH RADS



RECTANGLE
WITH CHAMFERS



HEXAGON



OCTAGON



LONG 'D'



LONG 'D'
WITH RADS



EQUILATERAL
TRIANGLE



ISOSCELES
TRIOANGLE



S4



S3 - S3A



S9



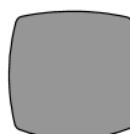
S1



S8



S7



S165



S23

**ALL SHAPES SHOWN
ARE AVAILABLE AT
STANDARD PRICE.**

ORDER

Minimum order is £35.00.

DELIVERY CHARGE

Any larger items with a special delivery charge are indicated within the catalogue. Please call the sales desk for a delivery quotation on these issues.

CREDIT

All orders accepted are subject to the approval of our credit department. If you are a new account, please furnish us with a bank reference & three supplier references. A credit limit will be imposed on new accounts until credit has been established.

PAYMENT

Terms are net 30 days.

CANCELLATION

In the event an order is cancelled, charge will be made to cover labour, materials & overheads.

RETURNED MATERIAL

A handling charge of 25% is made on all standard parts returned for credit. Written permission & shipping instructions must be obtained before the return of any material. Special tooling cannot be returned.

CLAIMS

All claims for shortages must be made within 3 days of the invoice date.

PRICES

Prices & specifications subject to change without prior notice. E & OE. All prices are exclusive of VAT.

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