

**WILSON HIGH
PERFORMANCE™
FAB TOOLING
FOR THIN TURRET
STRIPPIT®
MACHINES**

Maximize
Productivity



CUT DOWNTIME WITH WILSON HIGH PERFORMANCE™ FAB TOOLING

Stop wasting time measuring and shimming tools with each adjustment. Maximize your productivity with the Wilson High Performance™ Fab tooling for Strippit®/LVD® thin turret machines. Wilson HP Fab Tooling's unique push button adjustment system makes adjustments faster and easier than ever. A quick release stripper system enables fast, tool-free punch replacement.

Easy Adjustments

Our innovative push button adjustment system makes length adjustments virtually instantaneous. Side-mounted for easier access, simply push the button, click, turn and the adjustment is complete. Adjustments are made in 0.004-inch increments.

Faster Tool Changes

We've engineered a quick-release stripper plate retention system that allows unbelievably quick access to punches. Plus, our unique o-ring design enables tool-free guide removal.

Long-Lasting Durability

All Wilson HP Fab punches are built with premium hardened tool steel for greater durability, increased grind life and superior scratch resistance. For maximum durability and performance, Wilson Tool also offers its exclusive Optima® coating and Ultima® Premium Tool Steel on all HP Fab tooling.

Complete Compatibility

Wilson HP Fab tooling is compatible with existing tooling inventories for a smooth, low-cost transition.

Achieve Faster Setups with Quik Adjust™

Engineered for faster tooling setups and punch changes, Wilson Quick Adjust makes thin turret fabricators more productive than ever before. Wilson's innovative preloaded spring pack makes loading and unloading punches a snap. Simply remove the guide and screw or unscrew the punch from Wilson's unique spring pack. No tools required. Quick Adjust works with existing Fab style full body punches* and shaped guides and is currently available in 1-1/4" (31.75 mm) size.

**Round punches need to be pinned and require a shaped guide to accommodate the pin in the punch.*



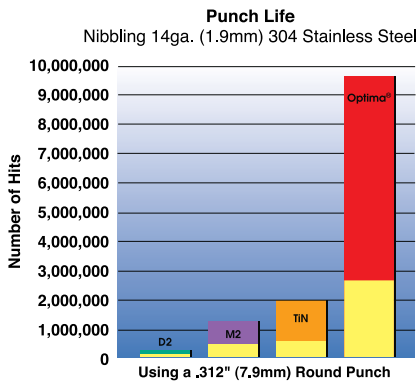
Improve Wear Resistance with Optima®

Every Wilson HP FAB Turret Tooling is available with Wilson's exclusive Optima® coating. Developed by Wilson engineers, Optima provides a surface hardness, wear resistance and lubricity unmatched by any other coated or uncoated turret punch press tooling. The result is a longer tool life, more hits between sharpenings, reduced galling, better performance and less downtime.

Wilson HP™ Fab tooling: Loaded with Value.

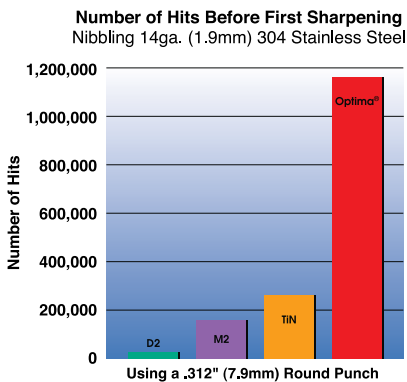
- Longer tool life
- Increased wear resistance
- More hits between sharpenings
- Reduced adhesion (galling)
- Reduced slug pulling
- Reduced corner breakdown
- Improved special tooling performance
- Lower overall tooling costs
- In-house coating facilities allow us to deliver faster and maintain total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

Punch Life

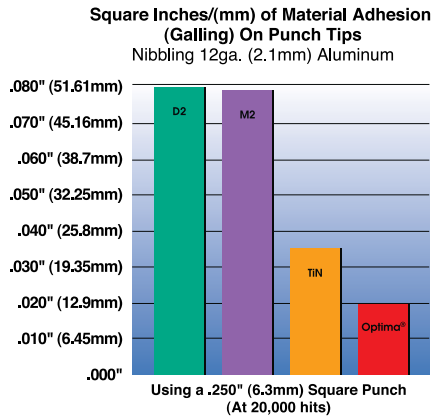


The yellow area indicates actual results achieved through three tool sharpenings of .010" (0.25mm) each. The complete graph indicates projected results with a total of .236" (6mm) removed for sharpening.

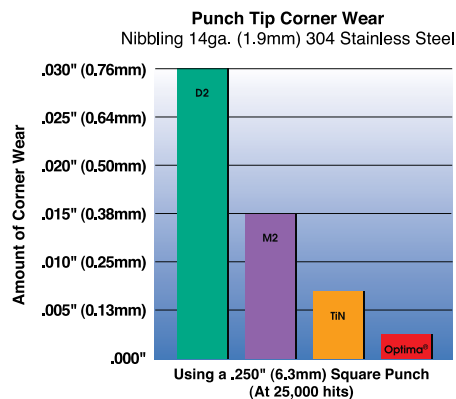
Number of Hits



Material Adhesion



Tip Wear



Improve Durability and Performance with Ultima®.

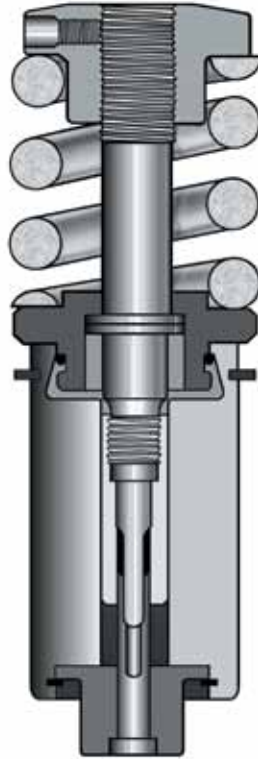
Available exclusively from Wilson Tool, Ultima Premium Tool Steel increases sharpening intervals by up to 100% over conventional tool steels. Ultima punches and dies experience significantly less chipping, cracking and tool fatigue, dramatically reducing downtime and minimizing tool replacement costs.

TABLE OF CONTENTS

HP Fab & Quik Adjust™	
Optima®	2
Perforator	3
Snap Apart (1/2" Body)	4
1/2" Drop In	5
5/8" Drop In	6
Quik Adjust™ 1-1/4" Station	7
HP Fab 1-1/4" Station (Formerly Series 90®)	8
Full Size (1-1/4" Body)	9
HP Fab 1-1/4" Heavy Duty (Formerly Series 90®)	10
HP Fab 2" Station	11
HP Fab 3-1/2" Station	12
Dura-Blade™	13-14
3-1/2" Station Notcher	15
Universal Notch Station	15
Center Punch	16
Shear Options	17
Standard Keying Locations	18
Non-Standard Keying	19
Multi-Tools®	20-22
Accessories	23-30
• Tools	23-24
• Tool Kit/Slug Ejectors	25
• Tool Holding Fixture	25
• Punch & Die Shims	26
• Shear Grinding Fixture & Accessories	26
• Tooling Cabinet	27
• Turret Bushings	27
• Fab 3-1/2" Adapter to accept 1-1/4" Station Tooling	28
• 7/8" Square Shearproof	28
• Aligning Tools	28
• Ball Riding Die	29
• Brush Die	29
• Plexiglass Turret Layout	29
• Wilson Punch & Die Grinder	30
• Wilson Mini Grinder	31
Terms of Sale	32



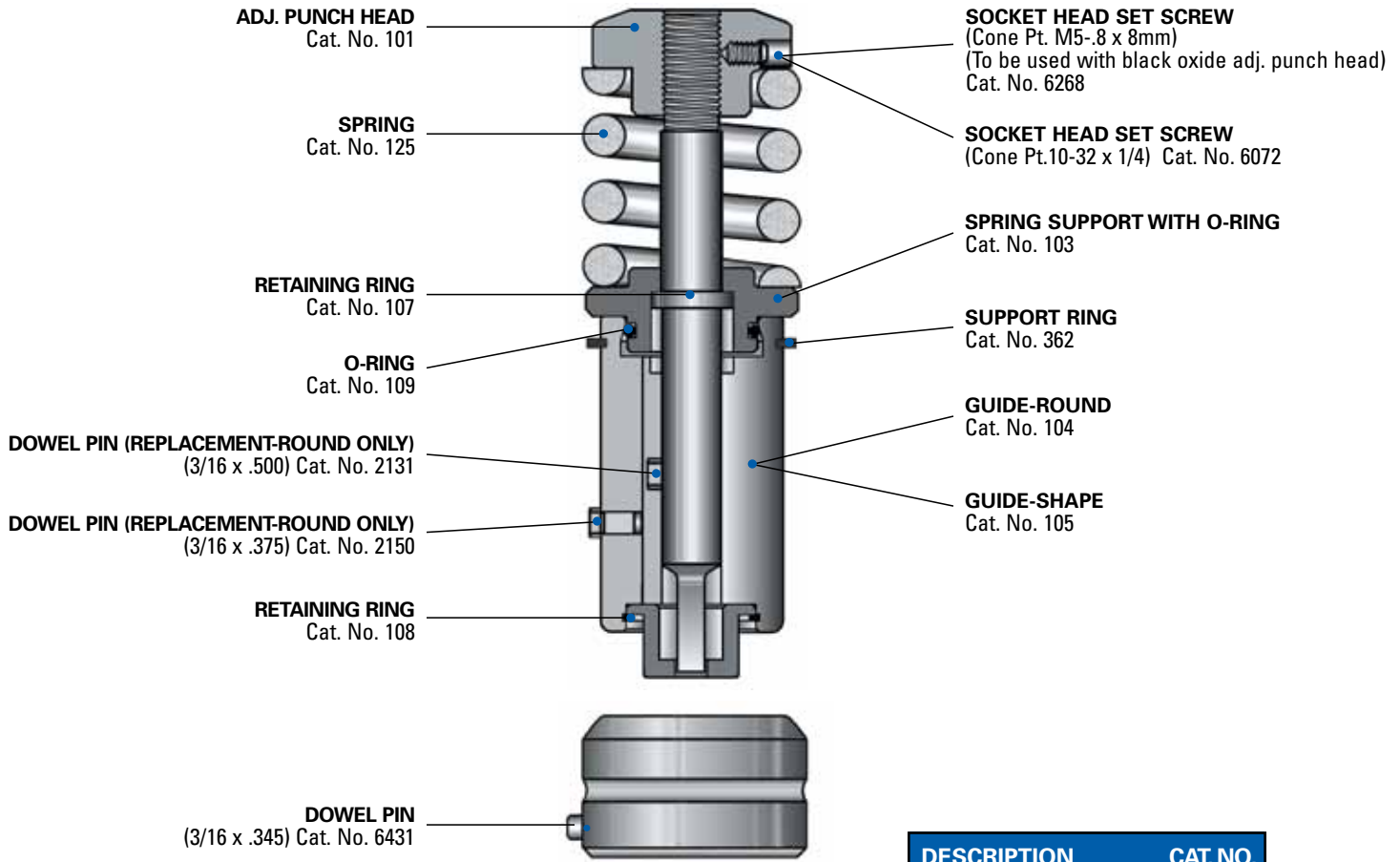
(Replacement punches & dies only)



DESCRIPTION	CAT. NO.
PUNCHES	
• Round	
.030-.060 Dia. (0.76-1.52mm)	303
.061-.115 Dia. (1.55-2.92mm)	305
DIES	
• Positive	
.037 (0.94mm) Min. Dia.	133
.062 (1.57mm) Min. Dia.	133
SLEEVE ASSEMBLIES	
• Round	
.030-.060 Dia. (0.76-1.52mm)	306
.061-.115 Dia. (1.55-2.92mm)	307

Note: Not recommended for stainless steel

Maximum Punching Force: 5 tons (4.5 metric)



Stubby Style 1/2" Body

Note: Must use stubby style die and stripper with stubby style punch.

Additional charges apply to round or shape punch for undersize punches, extra straight before radius, extra back taper, or no back taper.

DESCRIPTION	CAT. NO.
PUNCH & GUIDE ASSEMBLY	
• Round w/Closed Round Stripper Plate	102
• Shape w/Fitted Stripper Plate	335
• Optima®	-
PUNCHES	
• Round	195
• Shape	333
• Optima®	-
STRIPPERS	
• Round	478
• Shape Fitted	337
DIES	
• Round Slug Hugger® 2*	10595
• Round Standard	133
• Shape Slug Hugger® 2*	10373
• Shape Positive	162
• Shape Negative	244

Notes:

* Slug Hugger® dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance (patented).

† 'A' Dimension = longest distance across shape.

Local
Tel: 651-286-6001
Fax: 651-286-5959

Toll Free U.S.A. & Canada
Tel: 800-328-9646
Fax: 800-222-0002

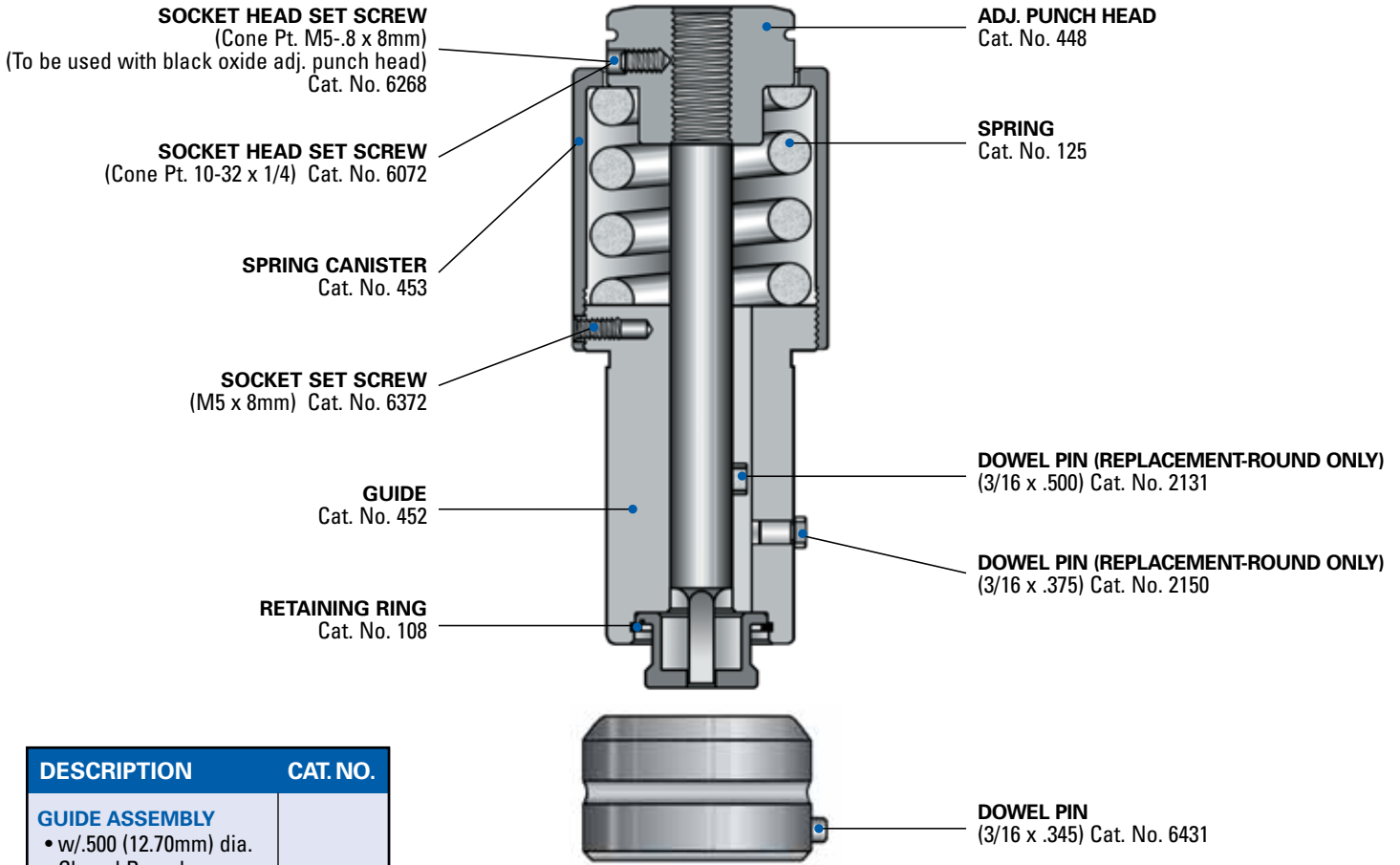
Toll Free Mexico
Tel: 001-800-741-2510
Fax: 001-800-544-2096

Website & Email
www.wilsontool.com
salesdesk@wilsontool.com



1/2" DROP IN


Maximum Punching Force: 5 tons (4.5 metric)



DESCRIPTION	CAT. NO.
GUIDE ASSEMBLY • w/.500 (12.70mm) dia. Closed Round Stripper Plate	447
PUNCHES • Round • Shape • Optima®	451 450 -
STRIPPERS • Round • Shape Fitted	478 337
DIES • Round Slug Hugger® 2* • Round Standard • Shape Slug Hugger® 2* • Shape Positive • Shape Negative	10595 133 10373 162 244
TO FIT STRIPPIT'S HOLDER • Punch Head-New Style • Stripper - Round • Stripper - Shape Fitted	448 474 473

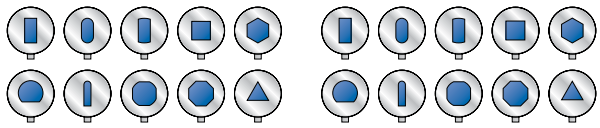
Additional charges apply to round or shape punch for undersize punches, extra straight before radius, extra back taper, or no back taper.

Stubby Style 1/2" Body



Note: Must use stubby style die and stripper with stubby style punch.

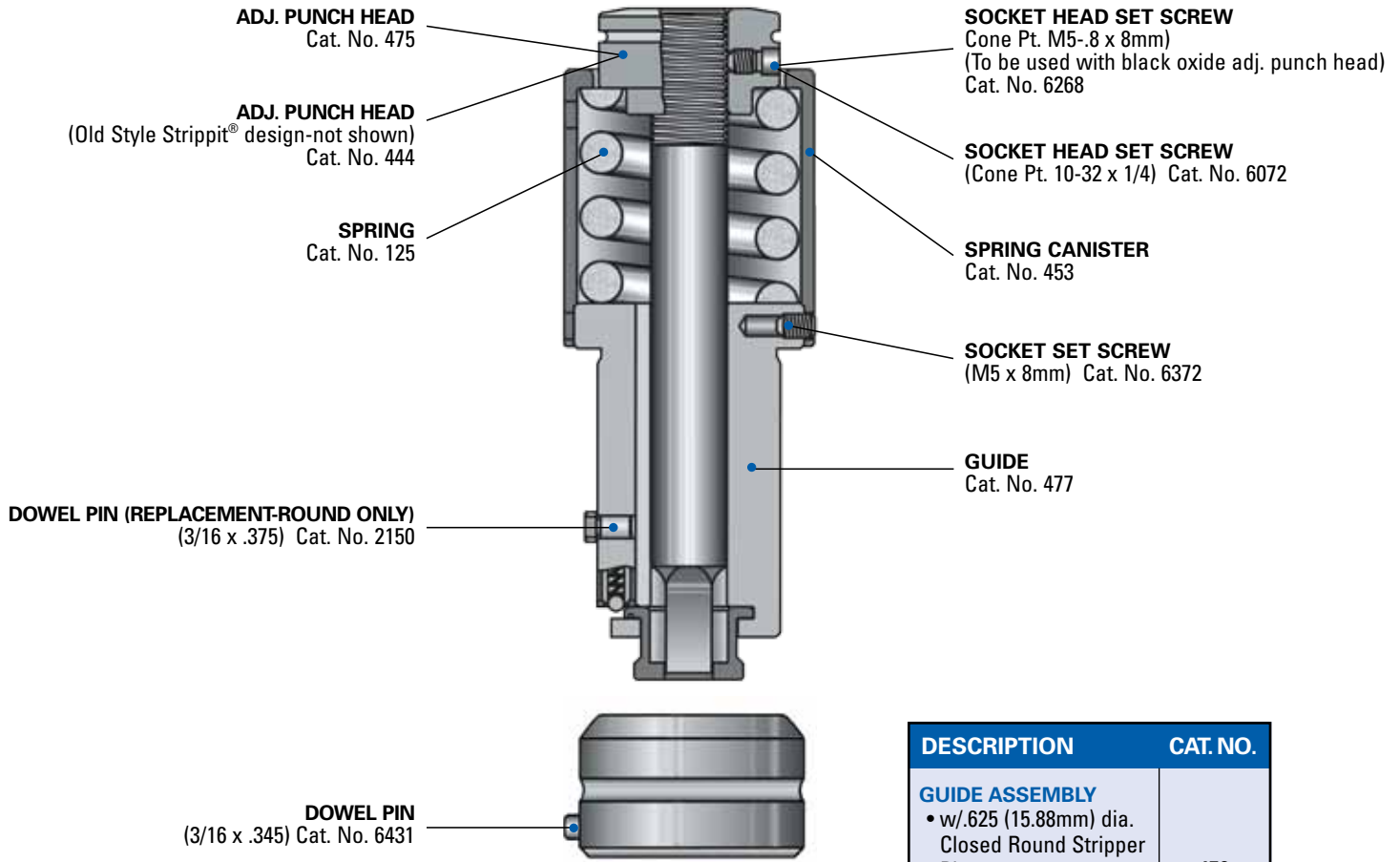
Standard Shapes & Key Locations



Punch View Die View

Additional charge for Radius or 45° Chamfer 4 Corners Punches and Dies.

Maximum Punching Force: 10 tons (9 metric)



DESCRIPTION	CAT. NO.
GUIDE ASSEMBLY • w/.625 (15.88mm) dia. Closed Round Stripper Plate	476
PUNCHES • Round • Shape • Optima®	445 446 -
STRIPPERS • Round • Shape Fitted	478 479
DIES • Round Slug Hugger® 2* • Round Standard • Shape Slug Hugger® 2* • Shape Positive • Shape Negative	10595 133 10373 162 244
TO FIT STRIPPIT'S® HOLDER • Punch Head - Old Style • Punch Head - NewStyle • Stripper - Round • Stripper - Shape Fitted	444 475 474 473

Stubby Style

Note: Must use stubby style die and stripper with stubby style punch.

Additional charges apply to round or shape punch for undersize punches, extra straight before radius, extra back taper, or no back taper.

Notes:

* Slug Hugger® dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance (patented).

† 'A' Dimension = longest distance across shape.

Local
Tel: 651-286-6001
Fax: 651-286-5959

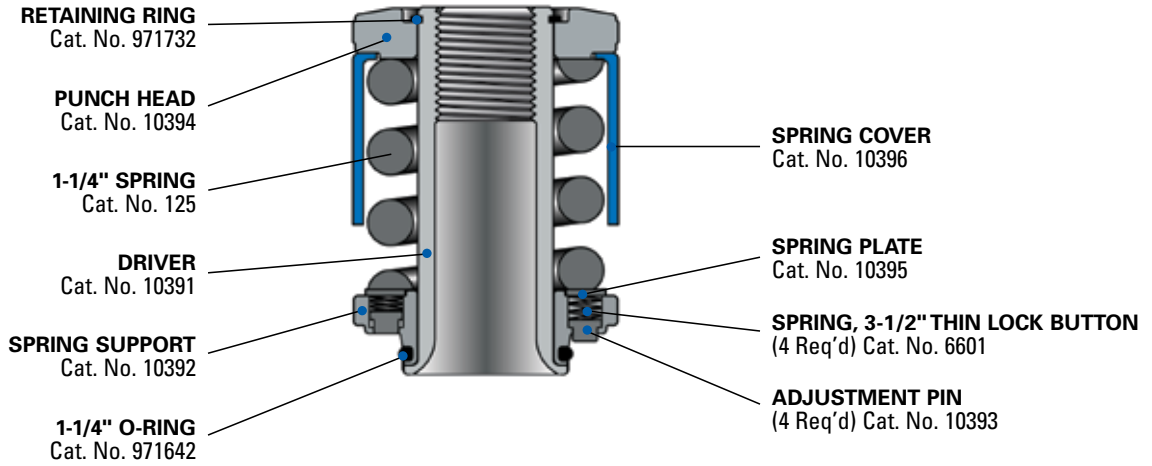
Toll Free U.S.A. & Canada
Tel: 800-328-9646
Fax: 800-222-0002

Toll Free Mexico
Tel: 001-800-741-2510
Fax: 001-800-544-2096

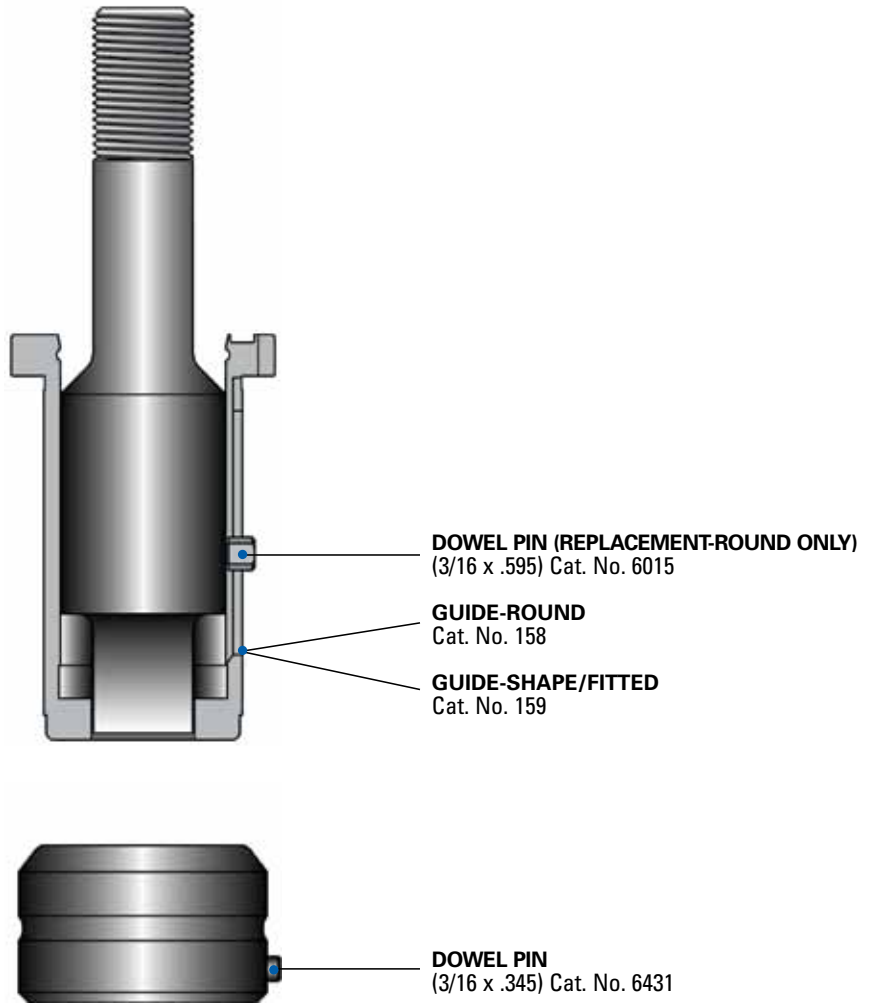
Website & Email
www.wilsontool.com
salesdesk@wilsontool.com



QUICK ADJUST™ 1-1/4" STATION



DESCRIPTION	CAT. NO.
Quick Adjust Spring Pack Assembly	10390
PUNCH & GUIDE ASSEMBLY	
• Round w/Closed Rd. Guide	10456
• Shape w/Fitted Guide	10389
• Optima®	-
PUNCHES	
• Round	10457
• Shape	161
• Optima®	-
GUIDE	
• Round	158
• Shape	159
DIES	
• Round Slug Hugger® 2*	10595
• Round Standard	133
• Shape Slug Hugger® 2*	10373
• Shape Positive	162
• Shape Negative	244
• Shape (0° & 45°) Slug Hugger® 2*	10376
• Shape (0° & 45°) Pos.	485
• Shape (0° & 45°) Neg.	486

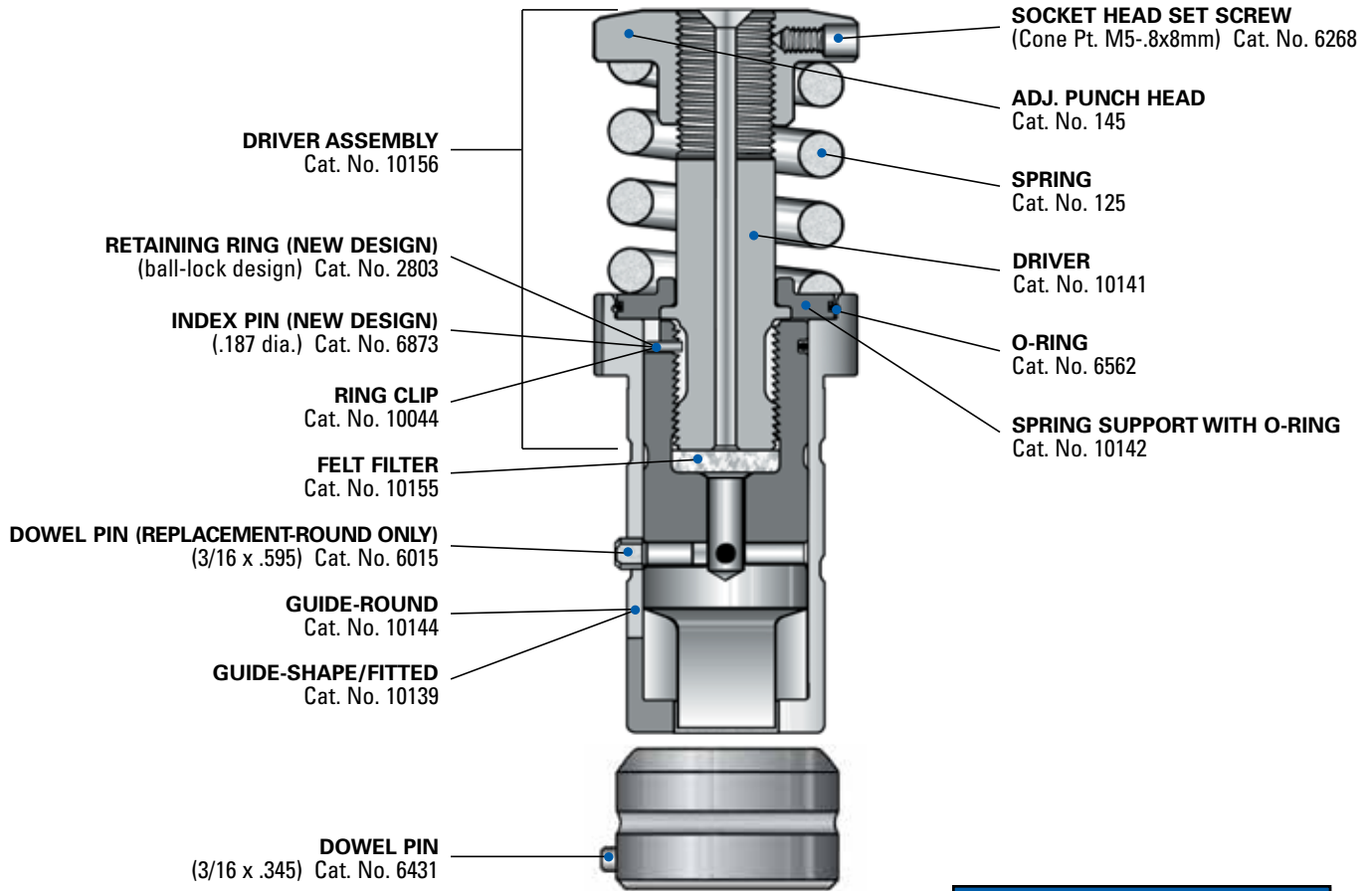


Standard Shapes & Key Locations									
Punch View					Die View				

Additional charge for Radius or 45° Chamfer 4 Corners Punches and Dies.

(FORMERLY SERIES 90®)

Maximum Punching Force: 15 tons (13.6 metric)



Stubby Style

Note: Must use stubby style die and guide with stubby style punch.

Additional charges apply to round or shape punch for undersize punches, extra straight before radius, extra back taper, or no back taper.

DESCRIPTION	CAT. NO.
PUNCH & GUIDE ASSEMBLY	
• Round w/Closed Rd. Guide	10143
• Shape w/Fitted Guide	10145
• Optima®	-
PUNCHES	
• Round	10137
• Shape	10136
• Optima®	-
DIES	
• Round Slug Hugger® 2*	10595
• Round Standard	133
• Shape Slug Hugger® 2*	10373
• Shape Positive	162
• Shape Negative	244
• Shape (0° & 45°) Slug Hugger® 2*	10376
• Shape (0° & 45°) Pos.	485
• Shape (0° & 45°) Neg.	486

Notes:

* Slug Hugger® dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance (patented).

† 'A' Dimension = longest distance across shape. Maximum punching force: 5 tons (4.5 metric)

Local
Tel: 651-286-6001
Fax: 651-286-5959

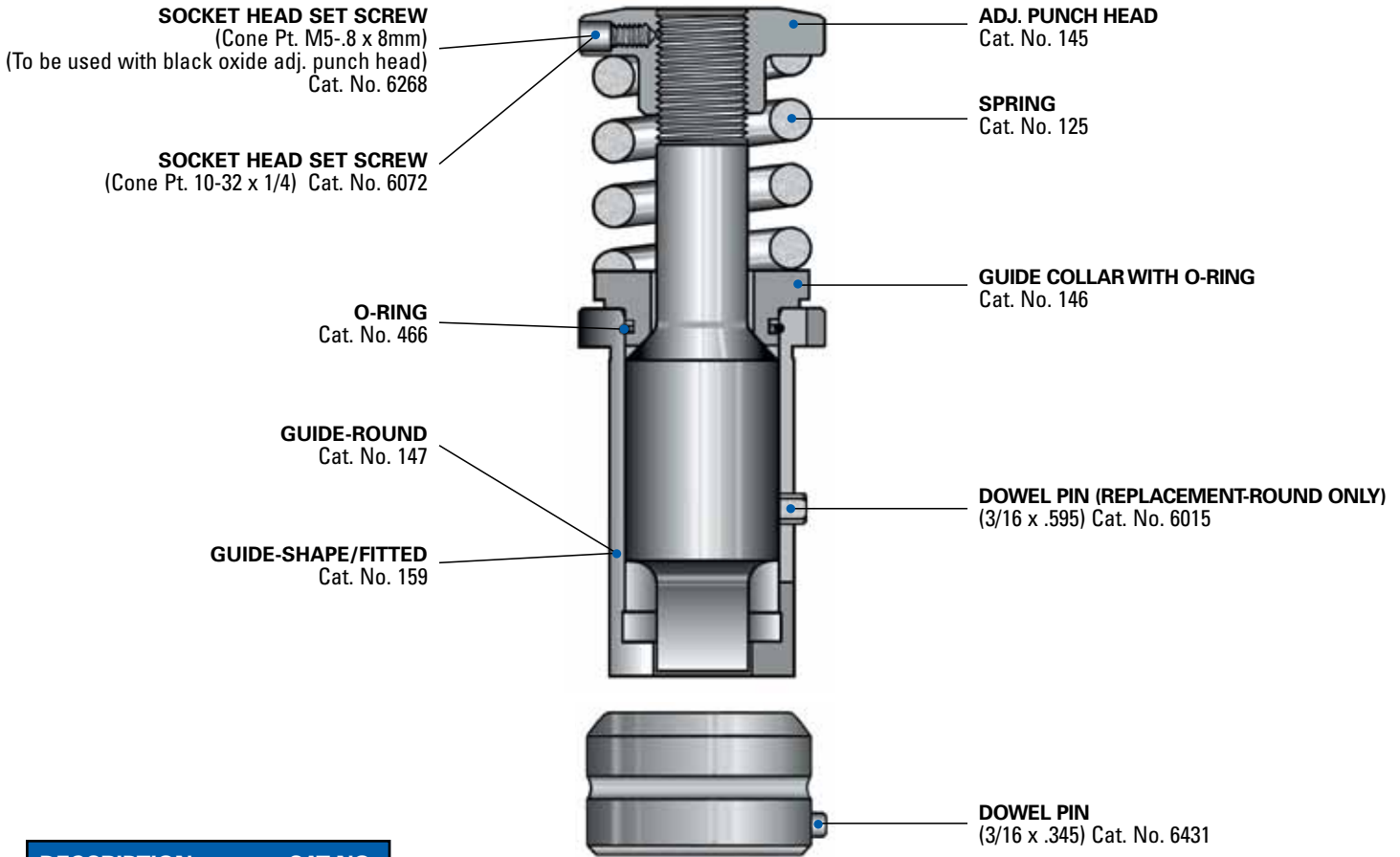
Toll Free U.S.A. & Canada
Tel: 800-328-9646
Fax: 800-222-0002

Toll Free Mexico
Tel: 001-800-741-2510
Fax: 001-800-544-2096

Website & Email
www.wilsontool.com
salesdesk@wilsontool.com



FULL SIZE (1-1/4" BODY)



DESCRIPTION	CAT. NO.
PUNCH & GUIDE ASSEMBLY	
• Round w/Closed Rd. Guide	149
• Shape w/Fitted Guide	164
• Optima®	-
PUNCHES	
• Round	148
• Shape	161
• Optima®	-
DIES	
• Round Slug Hugger® 2*	10595
• Round Standard	133
• Shape Slug Hugger® 2*	10373
• Shape Positive	162
• Shape Negative	244
• Shape (0° & 45°) Slug Hugger® 2*	10376
• Shape (0° & 45°) Pos.	485
• Shape (0° & 45°) Neg.	486

Stubby Style

Note: Must use stubby style die and guide with stubby style punch.

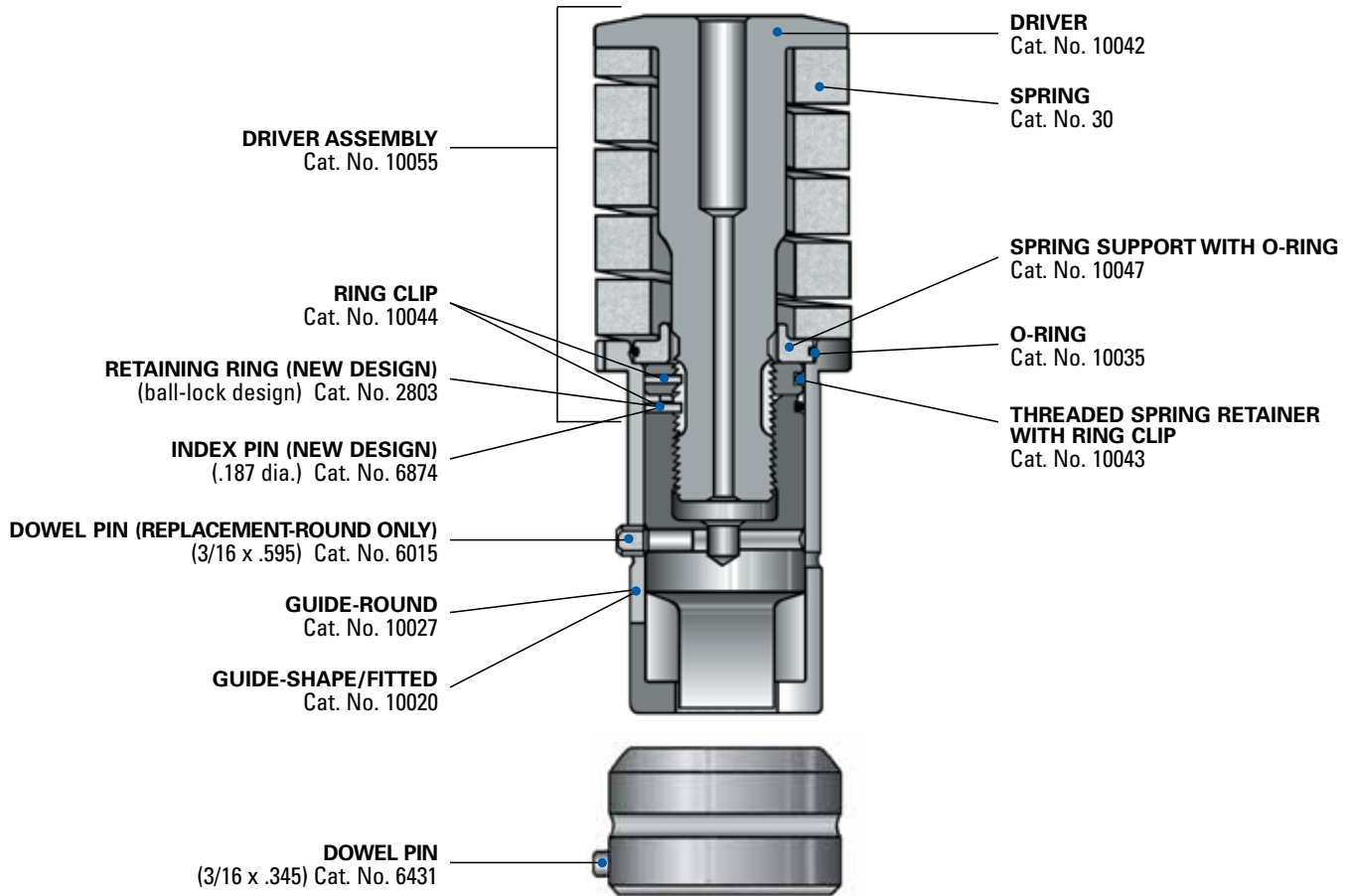
Additional charges apply to round or shape punch for undersize punches, extra straight before radius, extra back taper, or no back taper.

Standard Shapes & Key Locations

Punch View
Die View

Additional charge for Radius or 45° Chamfer 4 Corners Punches and Dies.

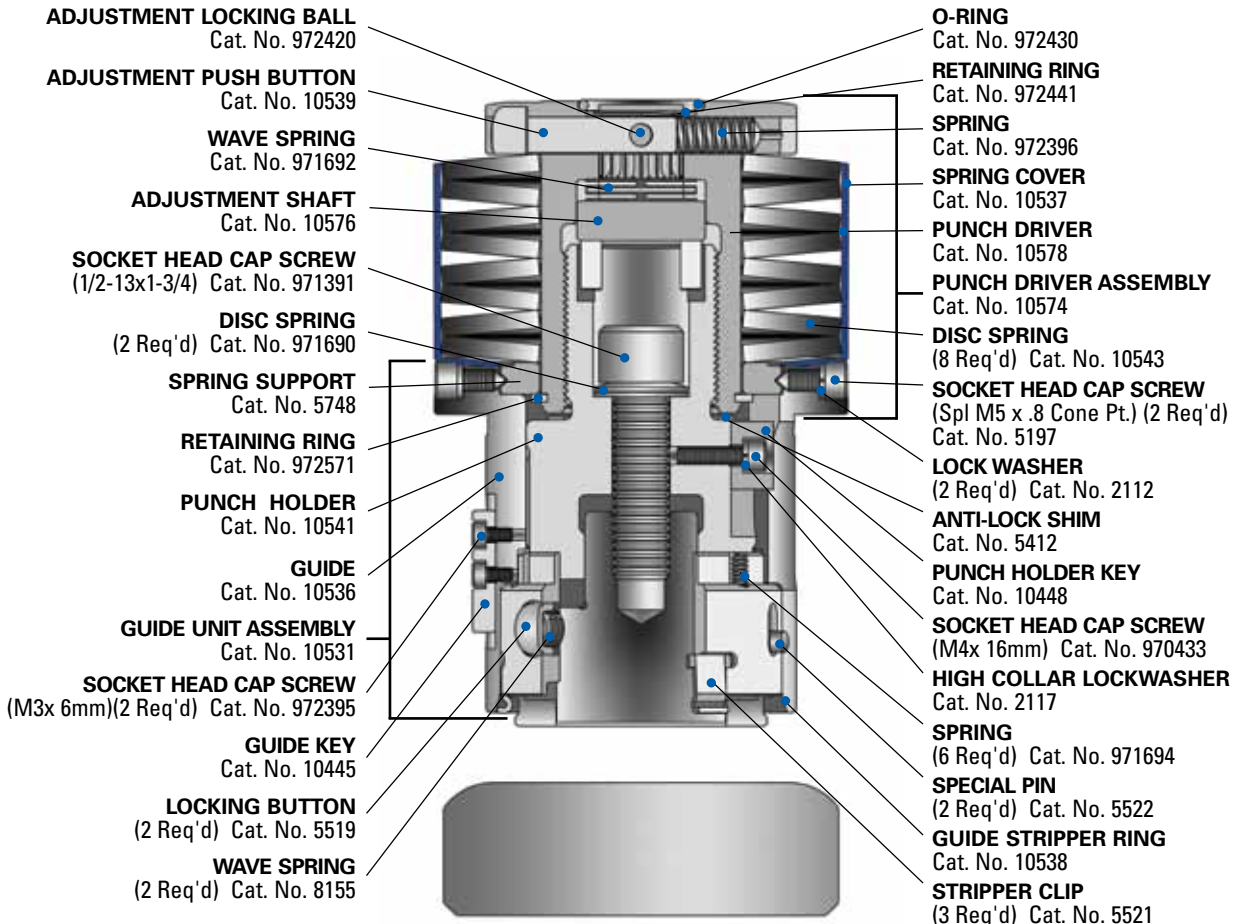
(FORMERLY SERIES 90®)



Notes	
<p>HP Heavy Duty Note: Spherical concave shear & Optima® standard on 1" (25.4mm), 25mm, and 1.250" (31.75mm) diameters.</p> <p>Maximum material thickness .375" (9.5mm) mild steel.</p> <p>Full Size (1-1/4" Body) Note: Urethane spring assemblies available upon request.</p> <p>Maximum punching force - 15 tons (13.6 metric).</p> <p>* Slug Hugger® dies must be ordered punch size plus clearance, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. total clearance (patented).</p> <p>† 'A' Dimension = longest distance across shape.</p>	

Additional charges apply to round or shape punch for undersize punches, extra straight before radius, extra back taper, or no back taper.

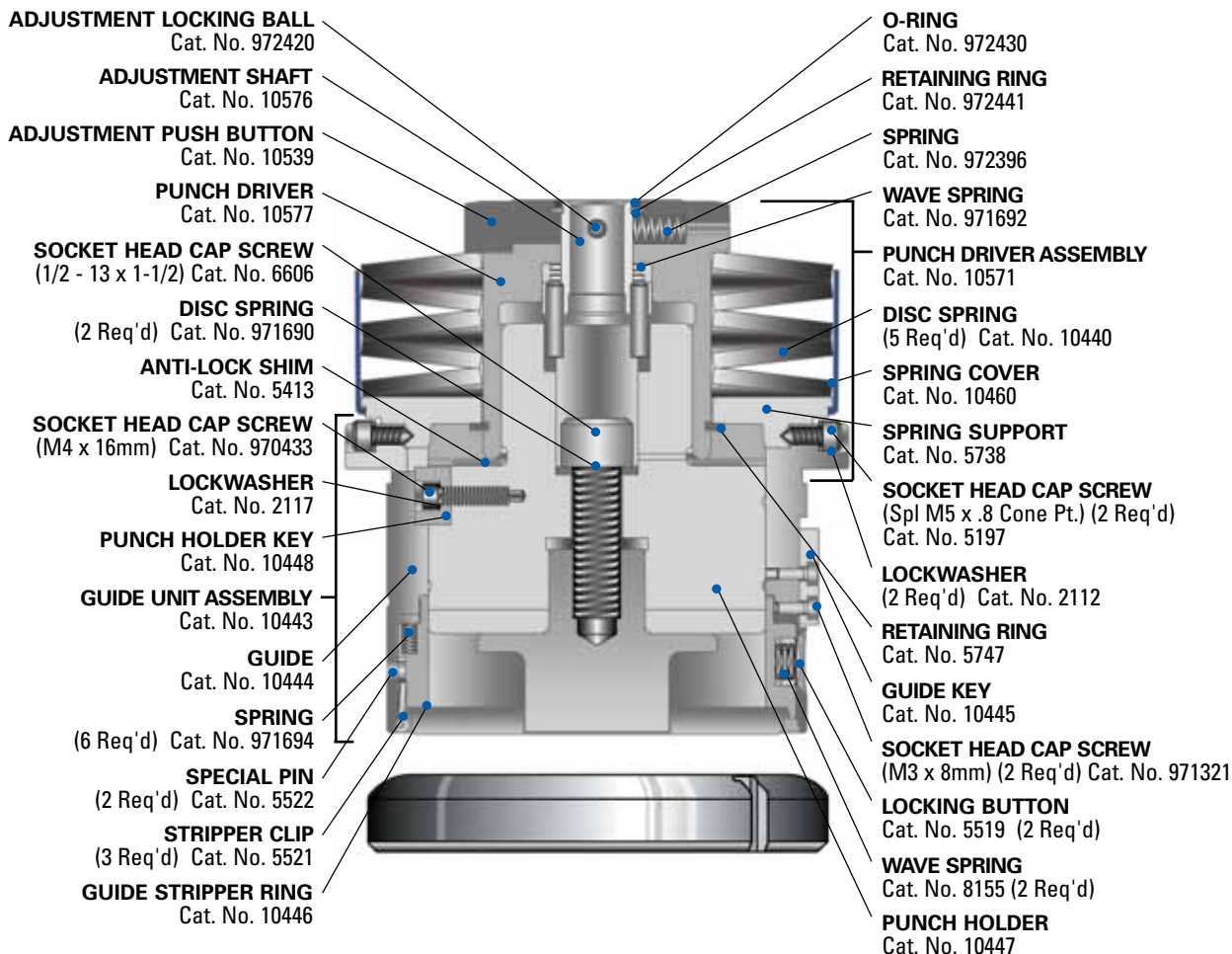
DESCRIPTION	CAT. NO.
PUNCH & GUIDE ASSEMBLY	
• Round w/Closed Rd. Guide	10039
• Shape w/Fitted Guide	10040
• Optima®	-
PUNCHES	
• Round	10046
• Shape	10045
• Optima®	-
DIES	
• Round Slug Hugger® 2*	10595
• Round Standard	133
• Shape Slug Hugger® 2*	10373
• Shape Positive	162
• Shape Negative	244
• Shape (0° & 45°) Slug Hugger® 2*	10376
• Shape (0° & 45°) Pos.	485
• Shape (0° & 45°) Neg.	486



DESCRIPTION	CAT. NO.
GUIDE ASSEMBLY	10530
PUNCHES	
• Round	10568
• Shape	10567
• Optima®	
STRIPPERS	
• Round	10534
• Shape Fitted	10535
DIES	
• Round Slug Hugger® 2*	10596
• Round Standard	10544
• Shape Slug Hugger® 2*	10548
• Shape Positive	10546
• Shape Negative	10547

Additional charges apply to round or shape punch for undersize punches, extra straight before radius, extra back taper, or no back taper.

Notes
Note: HP Guide Assemblies are keyed for shapes at 0°, 45°, 90°, 180°, 225°, 270°.
• All punches .250 (6.35mm) and under in width will be shipped with no shear unless specified.
• Square dies are keyed for shape at 0° and 45°; all other shaped dies are keyed for shape at 0° and 90°.
* Slug Hugger dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance (patented).
† 'A' Dimension = longest distance across shape.



Notes	
Note: HP Guide Assemblies are keyed for shapes at 0°, 45°, 90°, 180°, 225°, 270°.	
<ul style="list-style-type: none"> • 1/32" (.079mm) Rooftop shear is given to all punches with 'A' dimension† greater than 2.000 (50.8mm), and width greater than .250 (6.35mm), at no extra charge. • All punches .250 (6.35mm) and under in width will be shipped with no shear unless specified. • Square dies are keyed for shape at 0° and 45°; all other shaped dies are keyed for shape at 0° and 90°. 	
* Slug Hugger dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance (patented).	
† 'A' Dimension = longest distance across shape.	

** Punch retainer required

Additional charges apply to round or shape punch for undersize punches, extra straight before radius, extra back taper, or no back taper.

DESCRIPTION	CAT. NO.
GUIDE ASSEMBLY	10436
PUNCHES	
• Round	
1.250-1.562 (31.75-39.67mm) Dia.	181
1.563-2.250 (39.70-57.15mm) Dia.**	183
2.251-2.875 (57.17-73.03mm) Dia.**	184
2.876-3.500 (73.05-88.90mm) Dia.**	185
• Punch Retainer	182
• Shape	
1.250-1.500 (31.75-38.10mm) 'A' Dim.†	188
1.501-2.500 (38.12-63.50mm) 'A' Dim.†	189
2.501-3.500 (63.52-88.90mm) 'A' Dim.†	190
• Optima®	-
STRIPPERS	
• Round	186
• Shape Fitted	192
DIES	
• Round Slug Hugger® 2*	10597
• Round Standard	187
• Shape Slug Hugger® 2*	10381
• Shape Positive	212
• Shape Negative	251
• Shape Slug Hugger® 2* Heavy Duty	10382
• Shape Positive Heavy Duty	213
• Shape Negative Heavy Duty	252

INCREASE YOUR PARTING PRODUCTIVITY WITH HP DURA-BLADE®

HP FAB DURA-BLADE



Reach new levels of sheet metal parting productivity with Wilson Tool's High Performance Dura-Blade Parting Tool for thin turret punch presses.

Wilson Tool's highly engineered HP Dura-Blade dramatically reduces downtime by maximizing the number of hits between sharpenings. Dura-Blade utilizes a replaceable, fully-guided blade insert made of Ultima® Premium Tool Steel. It also features quick release stripper plate retention and a push button adjustment system that allows for fast and easy tool changes.

Only HP Dura-Blade is uniquely equipped to handle the daily rigors of sheet metal parting, so you can finish the job right.

High Performance Features

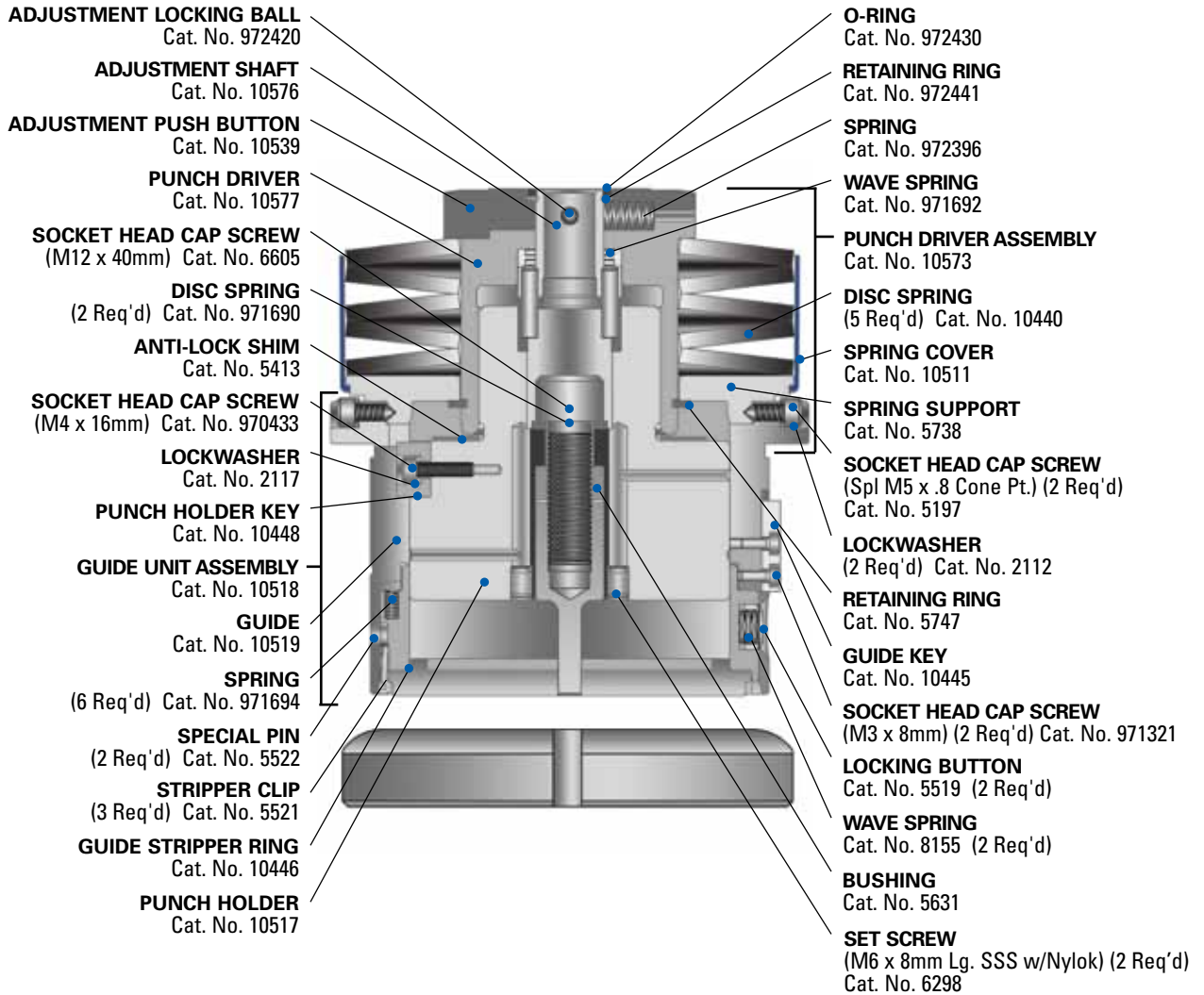
HP Dura-Blade includes all of the Performance-driven features of the HP-style tooling:

- HP-style quick release stripper retention for fast and easy tool changes
- HP-style side-mounted push-button for fast and easy tool adjustments

Plus

- Cutting insert made with Ultima Premium Tool Steel increasing the grind life for extended punch use.
- Fully guided for maximum support and accuracy at the punching surface
- Designed specifically for parting applications





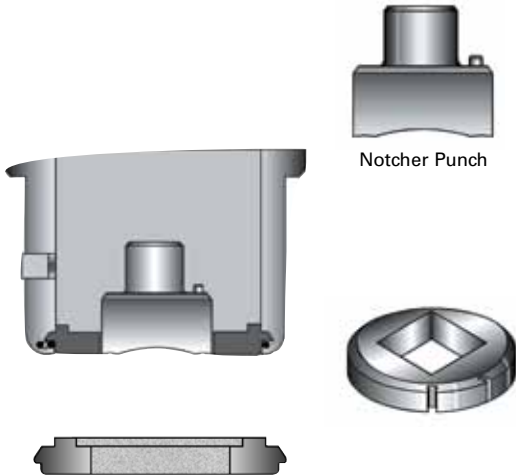
DESCRIPTION	CAT. NO.
GUIDE ASSEMBLY	10516
PUNCHES	
• Blade	10520
• Optima®	-
STRIPPERS	
• Shape	367
DIES	
• Slug Hugger® 2*	10381
• Shape Positive	212
• Shape Negative	251
• Slug Hugger® 2*	
Heavy Duty	10382
• Shape Positive	
Heavy Duty	213
• Shape Negative	
Heavy Duty	252

Notes
Note: HP Dura-Blade™ Guide Assemblies are keyed for shapes at 0°, 45°, 90°.
• Maximum width for blade insert is .750 (19.05mm).
* Slug Hugger® dies must be ordered punch size plus clearance, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. total clearance (patented).
† 'A' Dimension = longest distance across shape.
Maximum A Dim. = 3.500"

3-1/2" STATION NOTCHER & UNIVERSAL NOTCH STATION

3-1/2" Station Notcher

(For Series 80[®] Plus and Series 90[®] Guide Assemblies)

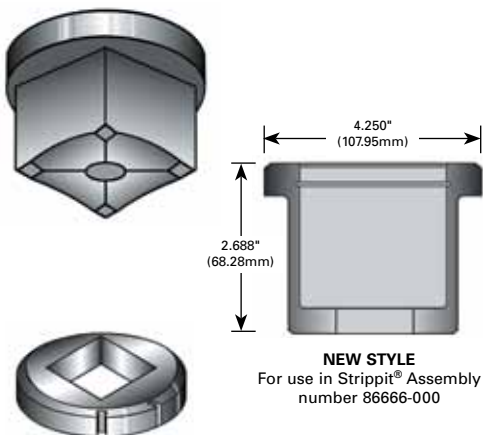


Notcher Punch

Notes	DESCRIPTION	CAT. NO.
<ul style="list-style-type: none"> • Square dies are keyed for shape at 0° and 45°. • Optima[®] standard on all Notcher Punches. • Includes 1/16" (1.6mm) dbl. concave shear * Slug Hugger[®] dies must be ordered punch size plus clearance, .060 (1.53mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance (patented). 	PUNCHES 2" (50.8mm) or 50mm square	449
	NOTCHER STRIPPER PLATE	367
	DIES <ul style="list-style-type: none"> • Slug Hugger[®] 2* • Positive • Negative 	10381 212 251

Universal Notch Station

(For Strippit[®] Universal Notch Guide Assemblies)



NEW STYLE
For use in Strippit[®] Assembly number 86666-000

	DESCRIPTION	CAT. NO.
	PUNCHES <ul style="list-style-type: none"> • Round • Standard Square 1.000 (25.4mm) square, 1.500 (38.10mm) square, 2.000 (50.80mm) square, 50mm square • Non-standard square 	238 215 239
	STRIPPING GUIDE <ul style="list-style-type: none"> • Round • Shape 	278 279
	DIES <ul style="list-style-type: none"> • Round Slug Hugger[®] 2* • Round Standard • Shape Slug Hugger[®] 2* • Shape Positive • Shape Negative 	10597 187 10381 212 251

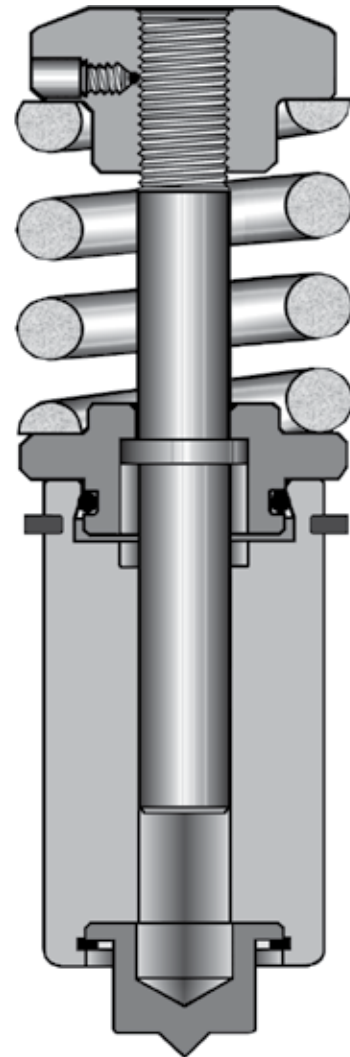
Add Ons & Notes
<ul style="list-style-type: none"> • All square guides are keyed at 0° and 45°. • Optima[®] standard on all Universal Notch Punches. • All square dies are keyed at 0°-45°. • Additional charge for flat punch. * Slug Hugger dies must be ordered punch size plus clearance, .060 (1.53mm) min. width on shapes, .006 (.15mm) min. width on shapes, .006 (0.15mm) min. clearance (patented).

BENEFITS:

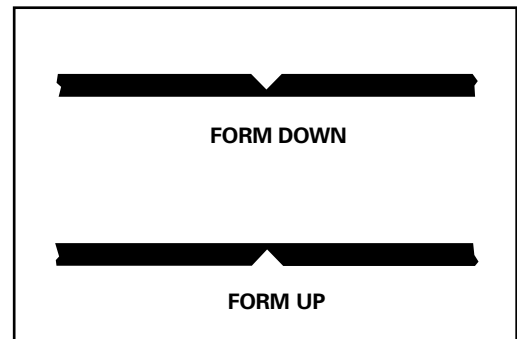
- Cuts your cost by eliminating or reducing set-up time.
- Form down tool indents most material thicknesses with no adjustment necessary.
- Form down tool offers a light duty spring for the special applications requiring a lighter indent.
- Replacement components are available at reasonable cost.

APPLICATIONS:

- Allows using the speed and accuracy of the press to center punch locations for secondary drilling operations.
- Center punched indents can be used as gauging marks for secondary operations such as bending, shearing and spot welding.
- By programming special alphabets, the indents are used to make letters and numbers for part identification.

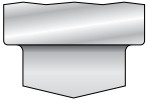
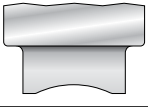
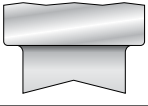
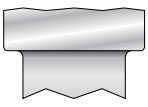
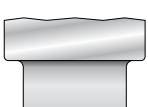


Center Punch	
Form Down	
Description	Cat. No.
Complete Form-Down Assembly Including Die	399
Replacement Center Punch Tip	400
1/2" Replacement Punch Body	401
Blank Die	498
Light Spring*	77
Form Up	
Complete Form-Up Assembly (Upper and Lower)	10214



* Will fit Snap Apart, will not fit Drop-In.

SHEAR OPTIONS

Type of Shear	Benefit	Limitation
 <p>Rooftop</p>	Best shear for punching at maximum tonnages.	When nibbling, bite must be 75% of punch dimension or excessive side loading will result.
 <p>Concave or Double Concave</p>	Best shear for nibbling because it inverts stresses.	The punch is less resistant to breakage when punching at high tonnages because of inverted stresses.
 <p>Inverted Rooftop</p>	Also good shear for nibbling because it inverts stresses.	More susceptible to breakage because of a sharp focal point for stresses—use great care.
 <p>Double Valley Shear</p>	Best shear for nibbling when shape is long and narrow.	The punch is less resistant to breakage when punching at high tonnages because of inverted stresses.
 <p>JK Shear</p>	A special punch tip shear that allows you to punch high strength materials with a reduced risk of breakage	Can only be used on punches up to 1.000" (25.4mm) diameter or 'A' dimension.

Special Shears					
Station	'A' Dimensions †	Inverted Rooftop		Double Valley	
		Single Concave		Double Concave	
		1/16" (1.6mm) Shear	3/32" (2.4mm) Shear	1/16" (1.6mm) Shear	3/32" (2.4mm) Shear
1-1/4"	Within 1.250" (31.75mm)		N/A		N/A
2"	Within 2.000" (50.8mm)		N/A		N/A
3-1/2"	Within 3.500" (88.9mm)		N/A		N/A

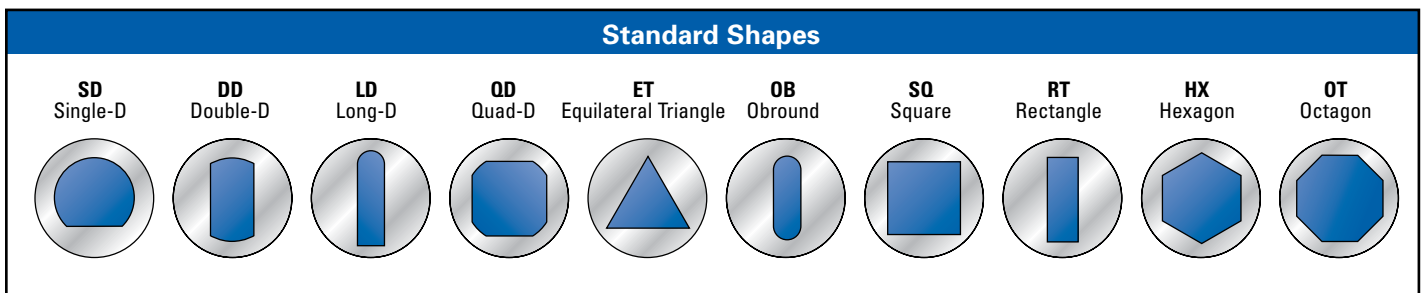
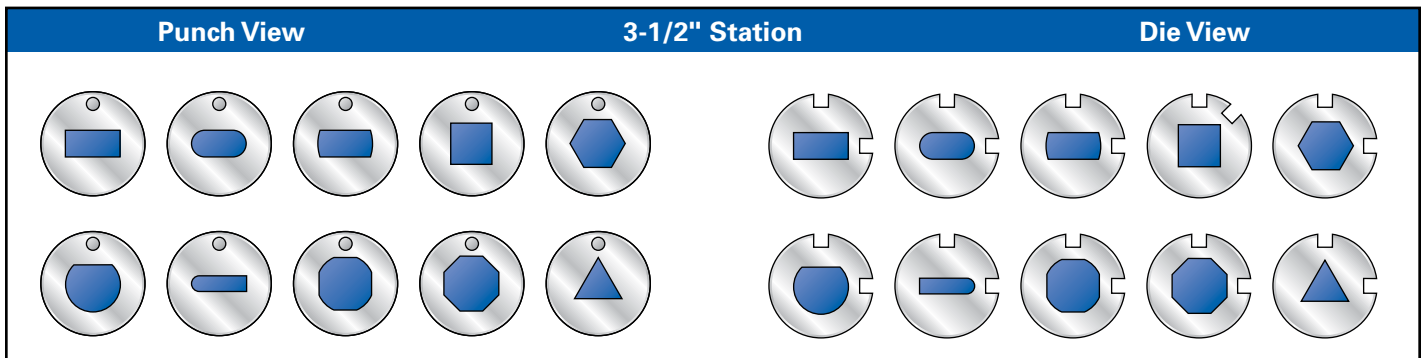
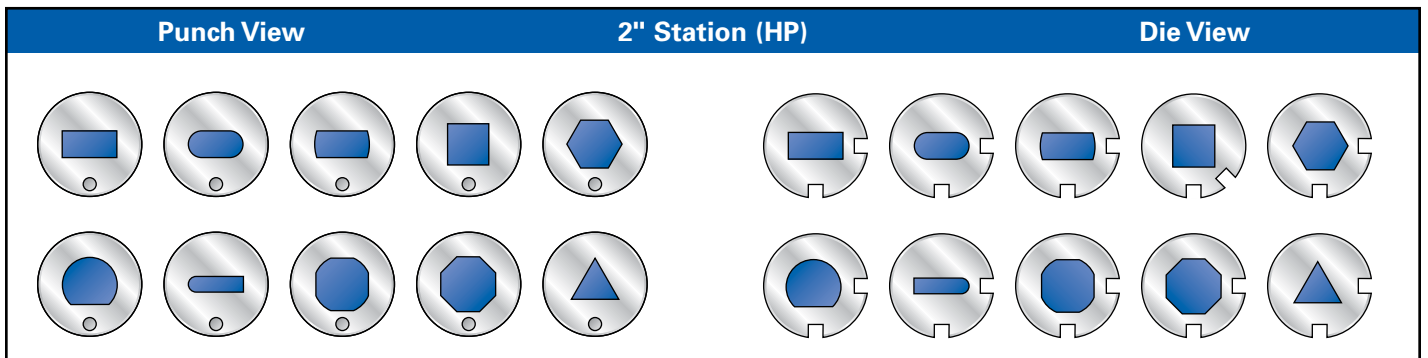
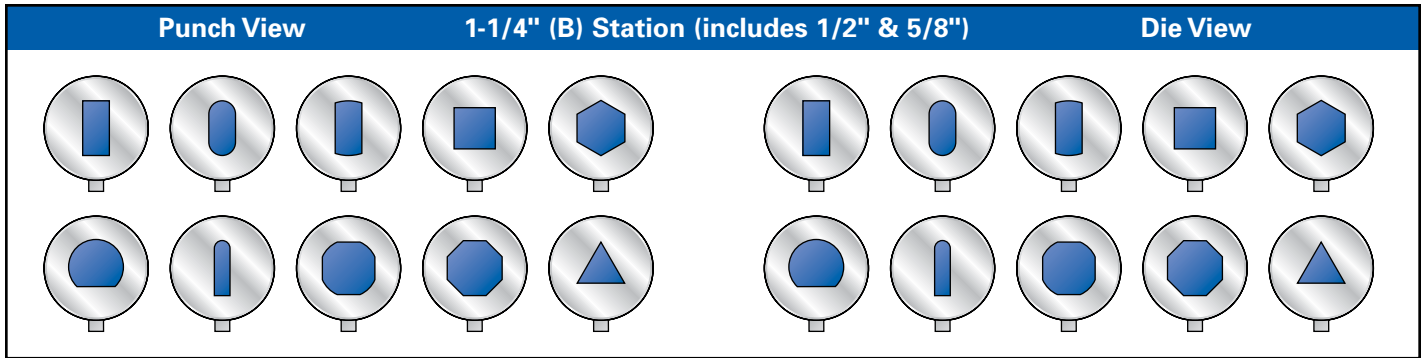
1/32" (0.79mm) Rooftop shear is given to all punches with 'A' dimension[†] greater than 2.000" (50.8mm) and width greater than .250" (6.35mm) at no extra charge. All punches .250" (6.35mm) and under in width will be shipped with no shear unless specified.

NOTE: In some instances, inverted rooftop is substituted for single and double concave shears.

JK Shear
Shape
Round
Rectangle, Square, Hexagon, Single "D", Double "D"
Obround

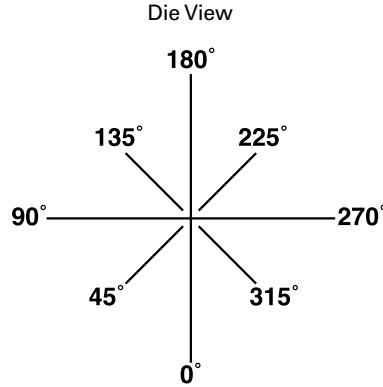
† 'A' Dimension = Longest dimension across shape.

Notes
If Specified: 1/16" (1.6mm) maximum rooftop shear can be given at N/C for any round or shape in 2", 3-1/2" or 5" stations. Additional charge for rooftop shear on any round or shape in 1-1/4" station.



NON-STANDARD KEYING

When ordering shapes at non-standard angles, use the diagram below to eliminate any confusion.



Front of Machine

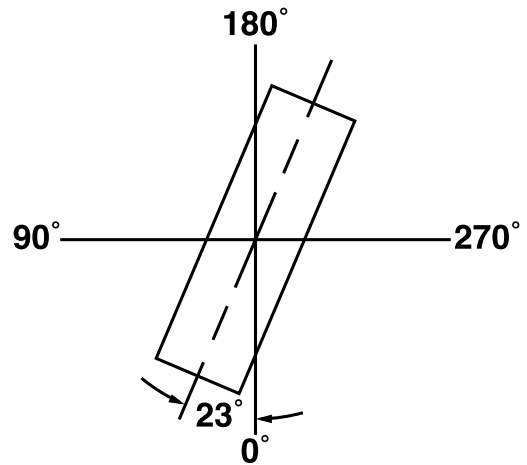
Wilson Tool's keying diagram.

Shape at single angles other than standard (Note: No add'l charge on 1-1/4" stn for shape at 45° increments)			
Station	Punches	Dies	Guides or Strippers
1/2" & 5/8"	No Charge		No Charge
1-1/4"			Not Available
2"			Not Available
3-1/2"			Not Available

Standard keying, plus extra pins or keys for shapes at other than 45° increments			
Station	Punches	Dies	Guides or Strippers
1/2" & 5/8"	Not Available	Not Available	Not Available
1-1/4"	Not Available	Not Available	Not Available
2"			Not Available
3-1/2"			Not Available

Example

Shape at 23°



Standard keying, plus extra pins or keys for shapes at 45° increments			
Station	Punches	Dies	Guides or Strippers
	Available Options	Available Options	Available Options
1/2" & 5/8"	Not Available	0° & 45°	*0° & 45° or 0° & 180°
		0° & 180°	
1-1/4"	0° & 45° 0° & 180°	0° & 45°	Closed round guide or 2 fitted guides required
		0° & 180°	
2"	45° Increments	45° Increments	Not Available
3-1/2"	45° Increments	45° Increments	Not Available



Local
Tel: 651-286-6001
Fax: 651-286-5959

Toll Free U.S.A. & Canada
Tel: 800-328-9646
Fax: 800-222-0002

Toll Free Mexico
Tel: 001-800-741-2510
Fax: 001-800-544-2096

Website & Email
www.wilsontool.com
salesdesk@wilsontool.com

3-STATION FOR 3-1/2" (D) STATION



Indexable

DESCRIPTION	CAT. NO.
P&D ASSEMBLY	10407
PUNCHES	
• Shape	69351
• Optima®	-
STRIPPERS	
• Round	77232
• Shape	77233
DIES	
• Round Slug Hugger® 2*	77236
• Shape Standard	77234
• Shape Slug Hugger® 2*	77237
• Shape Standard	77235

Maximum material thickness .187" (4.75mm)
 Maximum 'A' Dimension 1.250" (31.75mm)

Consult sales desk for non-indexable multi-tool.



Punch



Stripper



Die

Notes

* Slug Hugger® dies must be ordered punch size plus clearance, .060 (1.52mm) min. width on shapes, .006 (0.15mm) min. clearance (patented).

Standard Shapes				
SD Single-D	DD Double-D	LD Long-D	OD Quad-D	ET Equilateral Triangle
OB Obround	SQ Square	RT Rectangle	HX Hexagon	OT Octagon

Multi-Tool is a registered trademark of Finn-Power International, Inc.

21 MULTI-TOOL® FOR STRIPPIT®/LVD MACHINES

8-STATION FOR 3-1/2" (D) STATION



Consult sales desk for non-indexable multi-tool.

Die Shims for Multi-Tools®		
Individual		
Station	Thickness	Cat. No.
3-1/2-8	.010 (.25mm)	6199
3-1/2-8	.030 (.76mm)	6200
Package Of 15 Each		
3-1/2-8	.010 (.25mm)	6813
3-1/2-8	.030 (.76mm)	6814

Standard Shapes				
SD Single-D	DD Double-D	LD Long-D	QD Quad-D	ET Equilateral Triangle
OB Oblong	SD Square	RT Rectangle	HX Hexagon	OT Octagon

Notes

* Slug Hugger® dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.52mm) min. width on shapes, .006 (0.15mm) min. clearance (patented).

Multi-Tool is a registered trademark of Finn-Power International, Inc.



Indexable

DESCRIPTION	CAT. NO.
P&D ASSEMBLY	10408
PUNCHES	
• Round	10012
• Shape	10013
• Optima®	-
STRIPPERS	
• Round	474
• Shape	473
DIES	
• Round Slug Hugger® 2*	10599
• Round Standard	10014
• Shape Slug Hugger® 2*	10384
• Shape Positive	10015

Maximum material thickness .134" (3.40mm).
Maximum 'A' Dimension .500" (12.7mm).



Local
Tel: 651-286-6001
Fax: 651-286-5959

Toll Free U.S.A. & Canada
Tel: 800-328-9646
Fax: 800-222-0002

Toll Free Mexico
Tel: 001-800-741-2510
Fax: 001-800-544-2096

Website & Email
www.wilsontool.com
salesdesk@wilsontool.com

30-STATION FOR 3-1/2" (D) STATION



Punch



Stripper



Die

Consult sales desk for non-indexable multi-tool.

Indexable

DESCRIPTION	CAT. NO.
P&D ASSEMBLY	10409
PUNCHES	
• Round	68358
• Shape	68410
• Optima®	-
STRIPPERS	
• Round	68424
• Shape	68440
DIES	
• Round Slug Hugger® 2*	6948
• Round Standard	68453
• Shape Slug Hugger® 2*	10385
• Shape Positive	68500

Maximum material thickness .105" (2.67mm).
Maximum 'A' Dimension .250" (6.35mm).

Standard Shapes				
SD Single-D	DD Double-D	LD Long-D	OD Quad-D	ET Equilateral Triangle
OB Obround	SQ Square	RT Rectangle	HX Hexagon	OT Octagon

Notes

* Slug Hugger® dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.52mm) min. width on shapes, .006 (0.15mm) min. clearance (patented).

Multi-Tool is a registered trademark of Finn-Power International, Inc.

TOOLS

Sure Shot Sprayer
1-QT (.95 liter) capacity
CAT. NO. 6120



T-Handle extractor for
large station guide assemblies
CAT. NO. 6483



SAE Hex Key Wrench Set
CAT. NO. 6057



Punch Lubricant
CAT. NO. 6055



Soft Face Hammer
CAT. NO. 6106



Tru-Arc Pliers
CAT. NO. 6056

TOOLS



Rubberized abrasive wheel
for removing galling
CAT. NO. 8050



Spanner Wrench
CAT. NO. 6058



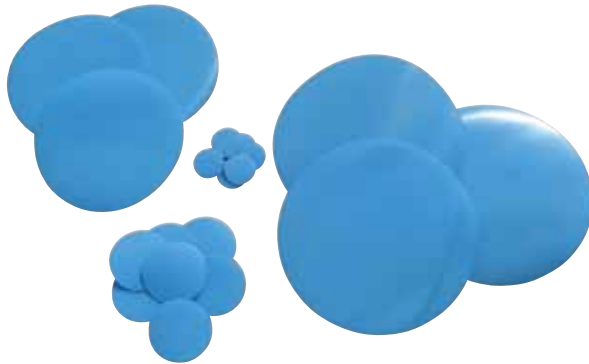
Metric Hex Key Wrench Set
CAT. NO. 6105



Oil Stone
CAT. NO. 6060



Diamond File
CAT. NO. 6059



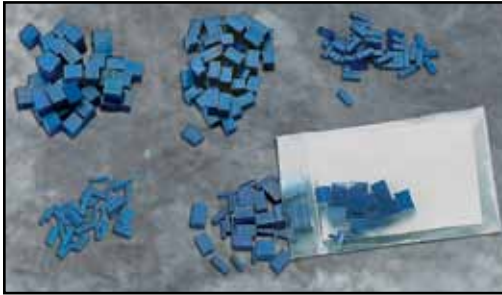
"Zip-Mar" Adhesive Disks™		
Station	Qty.	Cat. No.
1/2" & 5/8"	pkg.(10)	6082
1-1/4"	pkg.(10)	6084
3-1/2"	pkg.(10)	6086
6" x 12" (15.2 x 30.5cm) Sheet	1	6108

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.

TOOL KIT/SLUG EJECTORS & TOOL HOLDING FIXTURE



Tool Kit	
Tool Kit consists of the following:	Cat. No.
(1) Tool Box, (1) Oil Stone, (1) Diamond File, (1) Tru-Arc Pliers, (1) Spanner Wrench, (1) Punch Lubricant, (1) Soft Face Hammer, (1) Metric Hex Key Wrench Set, (1) Hex Key Wrench Set (English), (1) Assortment of 4-sizes of square urethane ejectors.	6091



Slug Ejectors		
Square Urethane		
Hole Dia. In Punch	Qty.	Cat. No.
1/8" (3.2mm)	50	6116
3/16" (4.8mm)	50	6117
3/8" (9.5mm)	50	6118
1/2" (12.7mm)	50	6119
Assortment	50	6410



Strippit Style 3-1/2" Assembly Fixture

Cat. No.
24161

Bench mounted aid for assembling and maintaining 3-1/2" Strippit® Style guide assemblies

PUNCH/DIE SHIMS & SHEAR GRINDING FIXTURE/ACCESSORIES

Punch Shims		
.060 Thick (1.5mm)		
Individually		
Station	Qty.	Cat. No.
1/2"	1	100
1-1/4"	1	152
Package		
Station	Qty.	Cat. No.
1/2"	25	99
1-1/4"	25	98

Die Shims		
.010 Thick (.25mm)		
Individually		
Station	Qty.	Cat. No.
1-1/4"	1	2097
3-1/2"	1	2081
Package		
Station	Qty.	Cat. No.
1-1/4"	25	2209
3-1/2"	5	2211

Die Shims		
.030 Thick (.76mm)		
Individually		
Station	Qty.	Cat. No.
1-1/4"	1	2723
3-1/2"	1	2727
Package		
Station	Qty.	Cat. No.
1-1/4"	25	2724
3-1/2"	5	2728

Die Shims		
.060 Thick (1.5mm)		
Individually		
Station	Qty.	Cat. No.
1-1/4"	1	2100
3-1/2"	1	2084
Package		
Station	Qty.	Cat. No.
1-1/4"	25	2173
3-1/2"	5	2175

Shear Grinding Fixture and Accessories	
Description	Cat. No.
Shear Grinding Fixture	6034
1/2" Tooling Sleeve Adapter	6045
5/8" Tooling Sleeve Adapter	6046
1-1/4" Tooling Punch and Die Holder	6044
2" & 3-1/2" Tooling Punch Holder	6041
Universal Notch Punch Holder	6071
Pointer (Replacement)	6035
Dura-Blade Adapter	6932
Degree Scale (Replacement)	6036
Multi-Tool® Punch and Die Holders	
Description	Cat. No.
8mm Punch & Die Holder	6156
16mm Punch & Die Holder	6157
24mm Punch & Die Holder	6158
8-Station Fab Multi-Tool® Punch & Die Holder	6159



TOOLING CABINET & FAB 3-1/2" ADAPTER TO 1-1/4" STATION TOOLING



Tooling Cabinet	
Fabricating Tooling Cabinet	Cat. No.
	90000
Options	
Plastic Drawer Liners	90002
Mobile Base	90003
Maple Top	90004
Cart Handle (1)	90005
Ribbed Rubber Mat	90006

9 Drawer Arrangement & Capacity consisting of:

6 Drawers for 1-1/4" Station Tooling:

- 18 Punch & Guide Assemblies (per drawer)
- 36 Dies & 18 Replacement Punches (per drawer)

2 Drawers for 3-1/2" Station Tooling:

- 16 Sets of 3-1/2" Station Tooling (per drawer)

1 Drawer (9 Compartments) for Guide Assemblies,

- 5" Station Tooling or Miscellaneous Fabricating Tooling.

Cabinet includes lock with two keys and forklift base.

Dimensions: 42" (107 cm) high x 28" (71 cm) wide x 29" (74 cm) deep.

Standard Color: Guardian Green

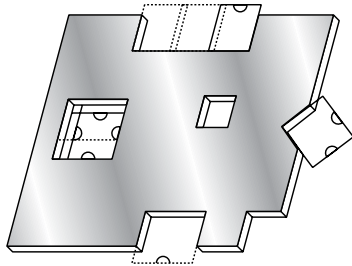
Tool Cabinets are shipped Motor Freight-collect.



Turret Bushings				
Station	Machine Model(s)	Keying	Cat. No.	
1-1/4" (2.437" / 61.9 mm flange O. D.)	For use in any SAF that utilizes Strippit® 1-1/4" Tool Holder Assembly #62532-000 or #62515-000, as well as the following: T-SAF-30, FC75/30, FC750, FC1000 (I & II), FC1250 and Cap 1000	0° - 90° (Standard)	15	
		0° - 90° - 180° & 270°	490	
		0° - 45° - 270° & 315°	491	
		0° - 135° - 225° & 270°	492	
1-1/4" (2.375" / 60.3 mm flange O. D.)	FC1000 III & 33 STN. 1250, FC1000R	Available as listed above	471	0° - 90° Std. Multiple Keyways
3-1/2"	FM-30-30	1-Keyway	280	
3-1/2"	For use in any SAF that utilizes Strippit® 3-1/2" Tool Holder Assembly #62530-000 or #93023-100, 200, as well as the following: T-SAF-30, FC75/30, FC750, FC1000 (I, II & III), FC1250 and Cap 1000, all XT & "S" Series machines.	1-Keyway	277	

Fab 3-1/2" Station Adapter to Accept 1-1/4" Station Tooling		
Fab Station	Description	Cat. No.
3-1/2" Station	Punch Assembly	10059
	Die Adapter*	10096

* Keyed 4 ways for use in all machines



7/8" (22.2 mm) Square Shearproof	
Description	Cat. No.
Punch and Guide Assembly	223
Punch only	228
Adjustable Punch Head	145
Spring	125
Guide Collar w/"O" Ring	146
Guide (Slip Fit Shaped)	231
Die (Positive)	162
Die (Slug Hugger®2)	10373
Punch Shims	152



Aligning Tools	
Description	Cat. No.
1-1/4" Station	
Upper Unit	494
Lower Unit	495
2" Station	
Upper Unit	S190
Lower Unit	1841
3-1/2" Station	
Upper Unit	496
Lower Unit	497

Note: Not for use in Auto Index Station.



Local
Tel: 651-286-6001
Fax: 651-286-5959

Toll Free U.S.A. & Canada
Tel: 800-328-9646
Fax: 800-222-0002

Toll Free Mexico
Tel: 001-800-741-2510
Fax: 001-800-544-2096

Website & Email
www.wilsontool.com
salesdesk@wilsontool.com





Ball Riding Die

STATION	Cat. No.
1-1/4"	482

The "Ball Riding Die," which consists of a spring loaded ball, has been designed to help eliminate several problems. The most common problems result from the higher height of the form-up dies.

These problems are:

- Sheet hang-up from the material running into a higher die, such as a forming tool.
- Sheet deformation from punching next to dies of different heights.
- Damage to forming die inserts when the die cap receives uneven loading during punching in neighboring stations.

To reduce sheet and tool damage in forming applications, two of these dies are placed in stations surrounding the forming tool. When the sheet approaches the form-up die, it is lifted by the ball riding die. When the forming operation begins, the ball in the surrounding die recesses with the sheet. Once the form has been achieved and the tool strips, the spring loaded balls lift the sheet back to its original height. This allows the sheet to move more freely through the turret, avoiding collisions with the form-up tool.

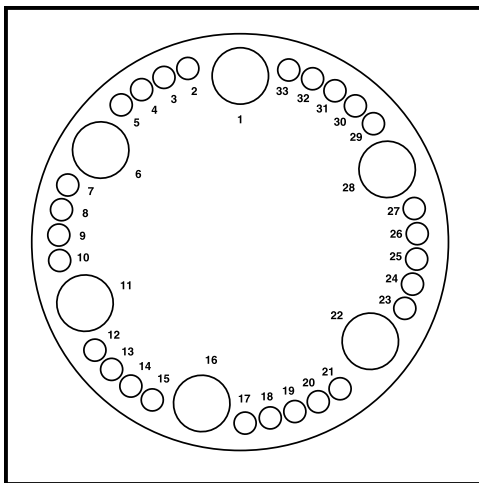
Placing these dies into the vacant stations on a turret loaded on one side can also eliminate material crashes.



Brush Die

STATION	Cat. No.
1-1/4"	2761

The primary use for brush dies is in applications where any marking that might be caused by ball riding dies is not acceptable.



Plexiglass Turret Layout

Wilson Tool's plexiglass turret layout is available for 33 Station Stripit® Turrets. These 18" x 24" (46 cm x 61 cm) clear sheets reduce guesswork and set up time by identifying the location of tools. Simply place the board on or near the machine and mark with a standard grease marker or crayon.

Turret Layout

Cat. No.
6168

WILSON PUNCH & DIE GRINDER

The Wilson Punch & Die Grinder is the latest in a long line of Wilson Tool products designed to help you work smarter—not harder.

Designed by DCM specifically for resurfacing punches and dies, it can save you time, space and money compared to existing sharpening methods. Here's how:

- 5 hp spindle motor. Handles large dies easily.
- CBN grinding wheel. Provides aggressive material removal rates and a high-quality surface finish.
- Dual coolant application. Coolant is supplied both externally and through the spindle for maximum heat removal while grinding—helping to maintain tool integrity.
- Regrind punches up to 10° angle. The punch fixturing allows sharpening of rooftop and straight angle shear punches with angles up to 10° and everything in between.
- Simple fixturing design. Allows for quick, easy loading and unloading of parts and accurate, repeatable process control.
- Auxiliary magnetic chuck standard. Accommodates items that cannot be secured in the three-jaw chuck.
- Autofeed. Frees up the operator to perform other shop duties during the grinding process and allows for accurate cut depths.
- Heavy-duty three-jaw chuck standard. Will accommodate all punches and dies up to 6" (152 mm) diameter.
- Small footprint. At 40" x 48" (101 x 122 cm), the Wilson Punch and Die Grinder requires minimal floor space.



In addition, the grinder comes standard with a rigid, heavy-duty 18" (45.7 cm) diameter rotary table that eliminates any chance for the chatter common with smaller tables.

To learn more about the new Wilson Punch & Die Grinder and how to invest in this effective, economical means to maximize punch and die life, please contact your local Wilson Tool representative, or call our sales desk at 800-328-9646.

Machine & Consumables Pricing	
Description	Cat. No.
230V 3 Phase 30 Amp grinder	6854
230V 3 Phase 30 Amp grinder - Enclosed	6938
460V 3 Phase 20 Amp grinder	6855
460V 3 Phase 20 Amp grinder - Enclosed	6939
1/2 gallon coolant mix	6856
5 gallon coolant mix	6857
Coolant filter pack (50 sheets)	6858
6" replacement CBN wheel	6859
Production coolant filtration system	6860
Replacement filter roll for filtration system	6861

The fully enclosed punch and die grinder includes an integral mist collection unit and provides full containment of the grinding area vs. the standard open air containment shrouding.

WILSON MINI GRINDER

WILSON MINI GRINDER



Efficient and Economical Punch and Die Grinding

The Wilson Mini Grinder is an efficient and economical solution for sharpening turret and punch press tooling. With a typical grind time of under 5 minutes per tool, the Wilson mini grinder uses a vertical spindle rotary grinding action and a CBN superabrasive grinding wheel to sharpen tools to "just like new" condition. Because of the smaller size, the Wilson Mini Grinder is easily moved using the built-in fork truck rails and can be plugged into a standard 120V, 20A receptacle.

Specifications

Just because the Wilson Mini Grinder is smaller than the full-sized Wilson PDG Grinder doesn't mean you are sacrificing key industrial strength grinding features, including:

- Cast-iron base
- Rigid z-axis column with dovetail ways
- Accepts 6-inch diameter grinding wheel
- Recirculating coolant system with paper filter media
- Standard 3 jaw chuck workholding fixture
- Optional fixturing for angled tool sharpening
- 1.5 horsepower 3600 RPM grinding spindle motor
- Dimensions: 33" x 17" x 60"
- Weight : 800 lb



Machine & Consumables Pricing		
Description	Cat. No.	
Wilson Mini Grinder	6950	
1/2 gallon coolant mix	6856	
5 gallon coolant mix	6857	
Coolant filter pack (50 sheets)	6858	
6" replacement CBN wheel	6859	
Production coolant filtration system	6860	
Replacement filter roll for filtration system	6861	
Sine Plate	6951	



Strength. Performance. Innovation.

Contact your Wilson Tool Sales Engineer for more information or call 800-328-9646.

ORDER

Minimum order is \$50.00.

CREDIT REQUIREMENTS

All orders are subject to approval by our Credit Department. If you are a new account, please furnish us with your tax exempt status, a bank reference, three current supplier references and/or your current D&B rating with your first order. A credit limit will be imposed on new accounts until credit has been established.

PAYMENT TERMS

Terms are net 10 days. Catalog prices are subject to change without notice.

FREIGHT

Orders are shipped F.O.B. from our manufacturing facility. (International Shipments are Incoterms: Ex Works).

ORDER CANCELLATION

In the event an order is cancelled, an additional charge will be assessed to cover the cost of labor and material.

RETURNED MATERIAL

A handling/restocking fee will be applied to all standard products returned for credit. A return authorization number and shipping instructions must be obtained in advance before an item can be returned.

CLAIMS

All claims or product shortages must be made within 30 days of the invoice date.

PRECISION TOOLING. UNBEATABLE PERFORMANCE.

For more than 40 years, Wilson Tool International® has provided industry-leading tooling solutions that enhance the performance of sheet metal fabricators and stampers worldwide.

The three divisions of Wilson Tool – Punching, Press Brake, and Stamping – represent the most comprehensive line of tooling systems and accessories available. Our ability to consistently provide innovative, high quality products that outlast and outperform the competition is why the world's most successful fabricators rely upon Wilson Tool tooling systems.

A knowledgeable global sales force, multilingual customer support staff, same-day shipping and extensive distribution network are just a few of the benefits that keep our customers coming back time and again.



Punch Press Tooling Division
12912 Farnham Avenue • White Bear Lake, MN 55110

Tel (Free): 800-328-9646
Fax (Free): 800-222-0002
Email: salesdesk@wilsontool.com
www.wilsontool.com

WILSON TOOL INTERNATIONAL

Wilson Tool International, Inc. - United States

Tel (Free): 800-328-9646 | Tel: 651-286-6001
Fax (Free): 800-222-0002 | Fax: 651-286-5959
Email: sales@wilsontool.com

Wilson Tool International, Ltd. - United Kingdom

Tel (Free): 0800-373748 | Tel: +44 1793 831818
Fax (Free): 0800-373758 | Fax: +44 1793 831945 or 46
Email: sales@wilsontool.eu.com

Wilson Tool International - China

Tel: +86 21 51089638 | Fax: +86 21 64422195
Email: sales@wilsontool.cn

Wilson Tool International - Germany

Tel (Free): 00800-9457668665 | Tel: +49 5723 747 0
Fax (Free): 00800-945766329 | Fax: +49 5723 747 10
Email: verkauf@wilsontool.eu.com

Wilson Tool International A/S - Denmark

Tel (Free): 80 20 20 24 | Tel: +45 44 53 1699
Fax (Free): 80 20 20 26 | Fax: +45 44 53 0607
Email: sales@wilsontool.dk

Wilson Tool International - France

Tel: +33 (0) 164 13 47 80 | Fax: +33 (0) 164 13 47 81
Email: ventes@wilsontool.eu.com

Wilson Tool International - Argentina

Tel: +54 114 7634004 | Fax: +54 114 5084190
Email: ventasargentina@wilsontool.com

Wilson Tool - South Africa (Pty) Limited

Tel: +27 877 217 875 | Fax: 086 657 8629
Email: simon.penney@wilsontool.com

The Wilson Tool Company S. de R.L. de C.V. - Mexico

Tel: 52 (81) 8865-4820 | Fax: 52 (81) 8865-4599
Email: americalatina@wilsontool.com

Exacta Precision Products - Ontario

Tel: 800-268-5573 | Fax: 800-668-9314
Email: info@exactapunch.com

Exacta FabTool - Ontario

Tel: 905-840-2240 | Fax: 905-840-1032
Email: info@exactafabtool.com