

August 2010



**WILSON HP™  
MURATA  
WIEDEMANN®  
112 AND 114  
STYLE TOOLING**

Your Choice for  
Speed and Precision



*Strength. Performance. Innovation.*

# INCREASE PRODUCTIVITY WITH A WILSON HIGH PERFORMANCE™ MURATA WIEDEMANN® TOOLING SYSTEM.

**U**niquely designed to handle high speed punching, the Wilson High Performance™ tooling system for Murata Wiedemann® boosts punch press productivity. It not only withstands more punches per minute than traditional punch press tooling but its innovative holder design speeds adjustments, drastically reducing downtime and improving efficiency. The standard Wilson HP holder works with all 112 and 114 style punches for Murata Wiedemann machines.

## Engineered for Speed and Precision.

Wilson HP features full guiding and spring stripping for higher speed punching and increased punch life.

Each tooling is constructed from hardened tool steel to increase durability and scratch resistance.

A quick release steel stripper plate produces cleaner holes with less sheet distortion for greater precision.

## Fast Adjustments Reduce Downtime.

Wilson Tool's exclusive holder technology provides quick and easy push button adjustments that reduce downtime. Positive, in-machine adjustments can be made with a simple click-and-turn motion in .005" (0.13mm) increments for standard tooling. Wilson HP holders eliminate the need for shims and significantly increase adjustment accuracy.



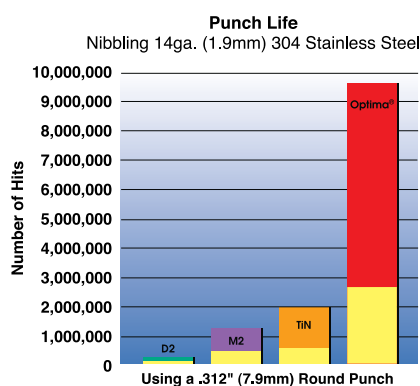
## Improve Wear Resistance with Optima®.

Every Wilson 112 and 114 style 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.

### Optima® coating provides:

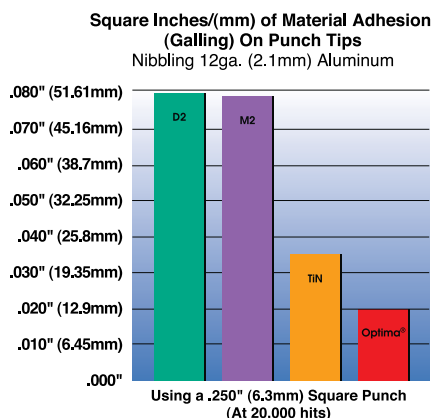
- Longer tool life
- Increased wear resistance
- More hits between sharpenings
- Reduced adhesion (galling)
- Reduced slug pulling
- Reduced corner breakdown
- Improved special tooling performance
- Lower overall tooling costs

### Punch Life

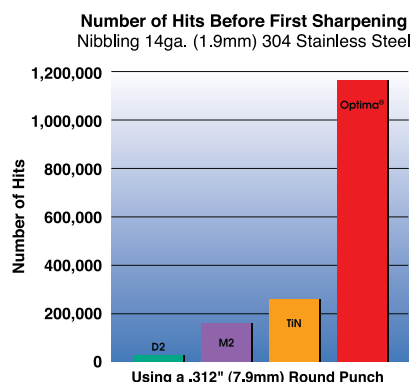


The yellow area indicates actual results achieved through three tool sharpenings of .010" (0.25mm) each. The complete graph indicates projected results with a total of .236" (6mm) removed for sharpening.

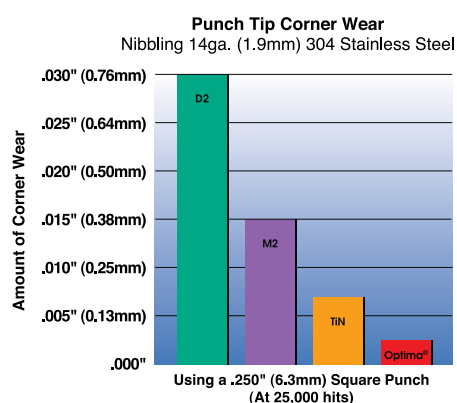
### Material Adhesion



### Number of Hits



### Tip Wear



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## FOR 112 & 114 STYLE TOOLING

| DESCRIPTION                                            | CAT. NO. | PRICE |
|--------------------------------------------------------|----------|-------|
| XB Wilson HP™ 112 Style Guide Assembly                 | 22517    |       |
| XB Wilson HP™ 114 Style Guide Assembly*                | 22500    |       |
| Wilson HP™ Stripper Plate - round                      | 22509    |       |
| Thread Adapter 5/16-18 to 1/2-13                       | 22535    |       |
| B Wilson HP™ 112 Style Guide Assembly                  | 22514    |       |
| B Wilson HP™ 114 Style Guide Assembly*                 | 22513    |       |
| Wilson HP™ Stripper Plate - round                      | 22530    |       |
| Wilson HP™ Stripper Plate - shape                      | 22531    |       |
| Thread Adapter 5/16-18 to 1/2-13                       | 22535    |       |
| C Wilson HP™ 112 Style Guide Assembly                  | 22591    |       |
| C Wilson HP™ 114 Style Guide Assembly                  | 22592    |       |
| Wilson HP™ Stripper Plate - round                      | 22607    |       |
| Wilson HP™ Stripper Plate - shape                      | 22608    |       |
| D Wilson HP™ 112 Style Guide Assembly**                | 22613    |       |
| D-AI Wilson HP™ 112 Style Guide Assembly (3.375" O.D.) | 22617    |       |
| D Wilson HP™ 114 Style Guide Assembly**                | 22616    |       |
| D-AI Wilson HP™ 114 Style Guide Assembly (3.375" O.D.) | 22618    |       |
| D-AI Lifter Button Assembly (set of 4)                 | 22596    |       |
| Wilson HP™ Stripper Plate - round                      | 22638    |       |
| Wilson HP™ Stripper Plate - shape                      | 22639    |       |
| EF Wilson HP™ 112 Style Guide Assembly                 | 22536    |       |
| F-AI Wilson HP™ 112 Style Guide Assembly               | 22563    |       |
| EF Wilson HP™ 114 Style Guide Assembly                 | 22537    |       |
| F-AI Wilson HP™ 114 Style Guide Assembly               | 22562    |       |
| Wilson HP™ Stripper Plate - round                      | 22557    |       |
| Wilson HP™ Stripper Plate - shape                      | 22558    |       |
| GHJ Wilson HP™ 114 Style Guide Assembly (5.937" O.D.)  | 22595    |       |
| Wilson HP™ Stripper Plate - round                      | 22587    |       |
| Wilson HP™ Stripper Plate - shape                      | 22588    |       |

\* Uses thread adapter

\*\* Assembly can be converted to Auto-Index by adding catalog #22596

### Wilson HP™ Assemblies fit the following machines:

Centrum 3000, 3500  
 Magnum 2125, 5000  
 Vectrum 3046, 3056, 5058  
 Motorum 2044, 2048  
 Wiedematic 3050, 4560

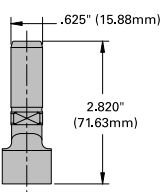
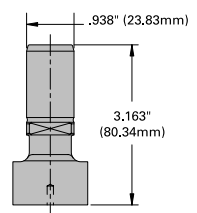
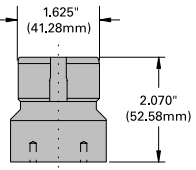
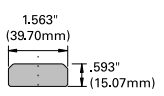
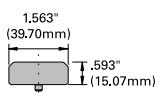
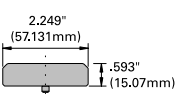
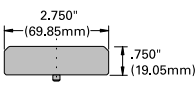
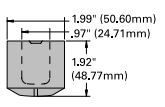
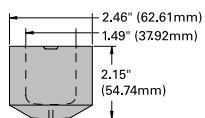
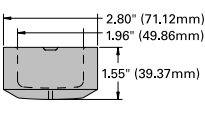
### Accessories

Catalog #23533 (1/4" T-handle hex wrench)  
 Price:  
 Used on: 114 XB thru GHJ Assembly  
 112 XB thru EF Assembly

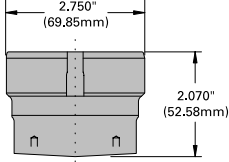
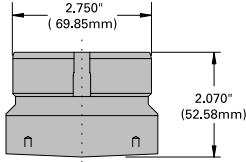
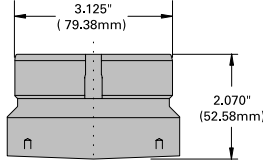
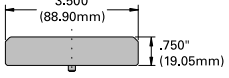
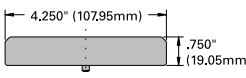
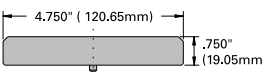
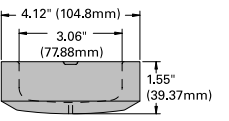
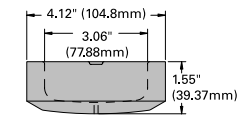
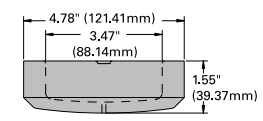


### Features and Benefits:

- ▼ Accepts standard 112/114 Wiedemann tooling.
- ▼ Push button length adjustment in .005 increments.  
(XB Assembly does not have the above feature)
- ▼ Punches are self-stripping and guided.
- ▼ Utilizes a steel stripper retention system  
(no tools required).

|             | A Station<br>Up to .500" (12.7mm)                                                                                                                          | B Station<br>Up to 1.000" (25.4mm)                                                                                                                                                                                                                                                                           | C Station<br>1.001 - 1.500" (25.4 - 38.1mm)                                                                                                                                                                          | D Station<br>1.501 - 2.000" (38.1 - 50.8mm)                                                                                                                                                                           |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PUNCHES     | Not Available                                                                                                                                              |  <p>Cat. No.<br/>Round 20101<br/>Shape 20102<br/>Shape Punch 0°&amp;45° 20152<br/>Optima™ —</p>                                                                                                                             |  <p>Cat. No.<br/>Round 20103<br/>Shape 20104<br/>Shape Punch 0°&amp;45° 20154<br/>Optima™ —</p>                                    |  <p>Cat. No.<br/>Round 20105<br/>Shape 20106<br/>Optima™ —</p>                                                                     |
| DIES        |  <p>Cat. No.<br/>Round Slug Hugger-2™* 20001<br/>Round Standard 20000</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™* 20001<br/>Round Standard 20000<br/>Shape Slug Hugger-2™* 20004<br/>Shape Positive 20003<br/>Shape Die Positive at 0°&amp;45° 20282<br/>Shape Slug Hugger-2™* at 0°&amp;45° 20283</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™* 20007<br/>Round Standard 20006<br/>Shape Slug Hugger-2™* 20010<br/>Shape Positive 20009</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™* 20013<br/>Round Standard 20012<br/>Shape Slug Hugger-2™* 20016<br/>Shape Positive 20015</p> |
| STRIPPERS   | Not Available                                                                                                                                              |  <p>Cat. No.<br/>Standard ≤ 1/8" (3.2mm) RT 20303<br/>20304</p>                                                                                                                                                           |  <p>Cat. No.<br/>Standard 20305</p>                                                                                              |  <p>Cat. No.<br/>Standard ≤ 1/8" (3.2mm) RT 20306<br/>≤ 1/2" (12.7mm) RT 20308<br/>1" (25.4mm) SQ 20309<br/>20307</p>            |
| PUNCH SHIMS | Not Available                                                                                                                                              | <p>OD .59" (15mm)<br/>Thickness .060 (1.5mm)</p> <p>Cat. No.<br/>25 per bag 20226</p>                                                                                                                                                                                                                        | <p>OD .90" (22.86mm)<br/>Thickness .060 (1.5mm)</p> <p>Cat. No.<br/>25 per bag 20228</p>                                                                                                                             | <p>OD 1.59" (40.39mm)<br/>Thickness .060 (1.5mm)</p> <p>Cat. No.<br/>5 per bag 20230</p>                                                                                                                              |
| DIE SHIMS   | <p>OD 1.54" (39mm)<br/>Thickness .030 (0.75mm)</p> <p>Cat. No.<br/>25 per bag 20202</p>                                                                    |                                                                                                                                                                                                                                                                                                              | <p>OD 2.23" (56.6mm)<br/>Thickness .030 (0.75mm)</p> <p>Cat. No.<br/>25 per bag 20204</p>                                                                                                                            | <p>OD 2.73" (69mm)<br/>Thickness .030 (0.75mm)</p> <p>Cat. No.<br/>5 per bag 20206</p>                                                                                                                                |

\*Slug Hugger-2™ 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. For 112 Style Tooling add ons, and other urethane stripper options, see page 6.

|                    | <b>E Station</b><br>2.001 - 2.500" (50.8 - 63.5mm)                                                                                                                                                                                | <b>F Station</b><br>2.501 - 3.125" (63.5 - 79.4mm)                                                                                                                                                                                | <b>G Station</b><br>3.126 - 3.500" (79.4 - 88.9mm)                                                                                                                                                                                  |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PUNCHES</b>     |  <p>Cat. No.<br/>Round Shape Optima™<br/>20107<br/>20108<br/>—</p>                                                                               |  <p>Cat. No.<br/>Round Shape Optima™<br/>20109<br/>20110<br/>—</p>                                                                               |  <p>Cat. No.<br/>Round Shape Optima™<br/>20111<br/>20112<br/>—</p>                                                                               |
| <b>DIES</b>        |  <p>Cat. No.<br/>Round Slug Hugger-2™<br/>20019<br/>Round Standard<br/>20018<br/>Shape Slug Hugger-2™<br/>20022<br/>Shape Positive<br/>20021</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™<br/>20025<br/>Round Standard<br/>20024<br/>Shape Slug Hugger-2™<br/>20028<br/>Shape Positive<br/>20027</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™<br/>20031<br/>Round Standard<br/>20030<br/>Shape Slug Hugger-2™<br/>20034<br/>Shape Positive<br/>20033</p> |
| <b>STRIPPERS</b>   |  <p>Cat. No.<br/>Standard<br/>≤ 1/2" (12.7mm) RT<br/>20310<br/>20311</p>                                                                       |  <p>Cat. No.<br/>Standard<br/>≤ 1/2" (12.7mm) RT<br/>2" (50.8mm) SQ<br/>20312<br/>20314<br/>20313</p>                                          |  <p>Cat. No.<br/>Standard<br/>≤ 1/2" (12.7mm) RT<br/>20315<br/>20317</p>                                                                       |
| <b>PUNCH SHIMS</b> | <p><b>OD 2.72" (69mm)</b><br/><b>Thickness .060 (1.5mm)</b></p> <p>5 per bag Cat. No. 20232</p>                                                                                                                                   |                                                                                                                                                                                                                                   | <p><b>OD 3.09" (78.5mm)</b><br/><b>Thickness .060 (1.5mm)</b></p> <p>5 per bag Cat. No. 20234</p>                                                                                                                                   |
| <b>DIE SHIMS</b>   | <p><b>OD 3.480" (88.4mm)</b><br/><b>Thickness .030 (0.75mm)</b></p> <p>5 per bag Cat. No. 20208</p>                                                                                                                               | <p><b>OD 4.23" (107.4mm)</b><br/><b>Thickness .030 (0.75mm)</b></p> <p>5 per bag Cat. No. 20210</p>                                                                                                                               | <p><b>OD 4.73" (120.1mm)</b><br/><b>Thickness .030 (0.75mm)</b></p> <p>5 per bag Cat. No. 20212</p>                                                                                                                                 |

\*Slug Hugger-2™ 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.

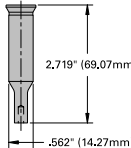
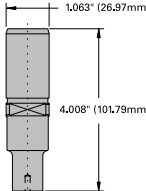
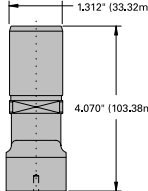
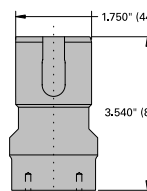
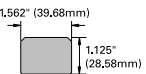
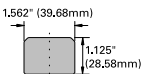
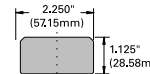
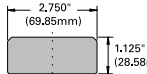
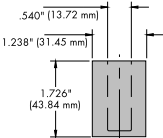
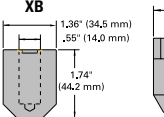
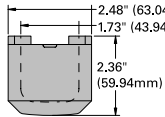
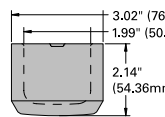
For 112 Style Tooling add ons, and other urethane stripper options, see page 6.

| A, B, C Station Add Ons                                                                                                   |              |                   |
|---------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|
| Add ons for Rounds                                                                                                        |              |                   |
| <b>Small Diameter</b><br>.031 - .061 (0.79 - 1.55 mm)<br>.062 - .092 (1.57 - 2.34 mm)<br><b>Clearance</b> < .004 (0.10mm) | <b>Punch</b> | <b>Die</b><br>N/C |
| Add ons for Shapes                                                                                                        |              |                   |
| <b>Small Widths</b><br>.031 - .039 (0.79 - 1.0mm)<br>.040 - .092 (1.02 - 2.34mm)                                          | <b>Punch</b> | <b>Die</b><br>N/C |
| <b>Small 'A' Dimension†</b><br>C < .750 (19.05mm)<br><b>Clearance</b> < .004 (0.10mm)                                     | <b>Punch</b> | <b>Die</b><br>N/C |

| D Station Add Ons                                                                                                      |              |                          |
|------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------|
| Add ons for Rounds                                                                                                     |              |                          |
| <b>Small Diameter</b><br>< 1.250 (31.75mm)<br><b>Clearance</b> < .004 (0.10mm)                                         | <b>Punch</b> | <b>Die</b><br>N/C        |
| Add ons for Shapes                                                                                                     |              |                          |
| <b>Small Widths</b><br>.031 - .039 (0.79 - 1.0mm)<br>.040 - .092 (1.02 - 2.34mm)                                       | <b>Punch</b> | <b>Die</b>               |
| <b>Small 'A' Dimension†</b><br>< 1.150 (29.21mm)<br>1.150 - 1.500 (29.21 - 38.1mm)<br><b>Clearance</b> < .004 (0.10mm) | <b>Punch</b> | <b>Die</b><br>N/C<br>N/C |

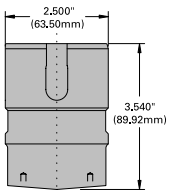
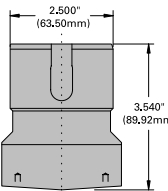
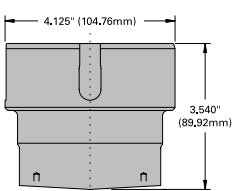
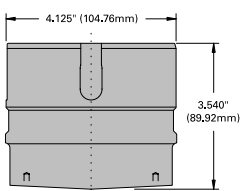
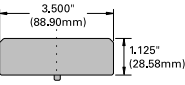
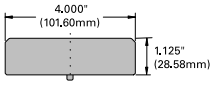
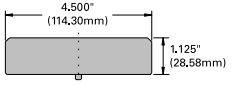
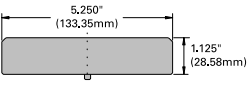
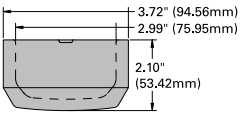
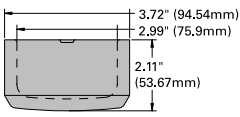
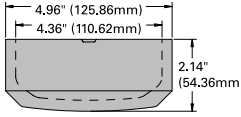
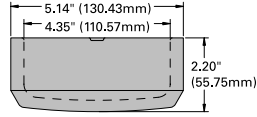
| E, F, G Station Add Ons                                                                            |       |                   | Radius or 45° Chamfer 4 Corners                                                                                                                                                                                                 |                             |       | Urethane Stripper Options                       |                 |
|----------------------------------------------------------------------------------------------------|-------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------|-------------------------------------------------|-----------------|
| Add ons for Rounds                                                                                 |       |                   | Punches                                                                                                                                                                                                                         | Radius or Chamfer Size      | Price | 95 dA (natural)*                                | Heavy Duty      |
| Small Diameter<br>E, F < 1.900 (48.26mm)<br>G < 3.024 (76.81mm)<br>Clearance < .004 (0.10mm)       | Punch | Die<br>N/C<br>N/C |                                                                                                                                                                                                                                 | .001 - .062 (0.02 - 1.57mm) |       | 90 dA (blue)                                    | Standard        |
|                                                                                                    |       |                   |                                                                                                                                                                                                                                 | .063 - .250 (1.58 - 6.35mm) |       | 80 dA (green)*                                  | Light Duty      |
|                                                                                                    |       |                   |                                                                                                                                                                                                                                 | Greater than .250 (6.35mm)  |       | 70 dA (yellow)*                                 | Very Light Duty |
| Add ons for Shapes                                                                                 |       |                   | Dies                                                                                                                                                                                                                            | Any size                    |       | Custom Molded*                                  |                 |
| Small Widths<br>.031 - .039 (0.79 - 1.0mm)<br>.040 - .092 (1.02 - 2.34mm)                          | Punch | Die               | Notes                                                                                                                                                                                                                           |                             |       |                                                 |                 |
| Small 'A' Dimension†<br>E, F < 1.750 (44.45mm)<br>G < 2.750 (69.85mm)<br>Clearance < .004 (0.10mm) | Punch | Die<br>N/C<br>N/C | <ul style="list-style-type: none"><li>Additional charges apply to round or shape punch for extra straight before radius, extra back taper, or no back taper.</li><li>† 'A' Dimension = longest distance across shape.</li></ul> |                             |       | *Contact our sales desk for price and delivery. |                 |



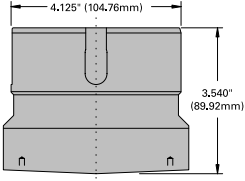
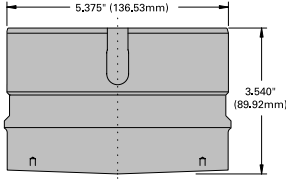
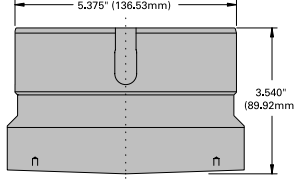
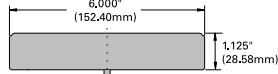
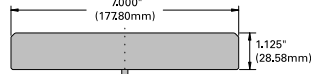
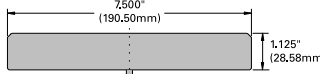
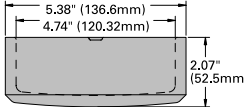
|             | A Station<br>Up to .500" (12.7mm)                                                   |                                                                                                                                                                                                                         | B Station<br>Up to 1.000" (25.4mm)                                                                                                 |                                                                                                                                    | C Station<br>1.001 - 1.500" (25.4 - 38.1mm)                                          |  | D Station<br>1.501 - 2.000" (38.1 - 50.8mm)                                           |  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|
| PUNCHES     |    |                                                                                                                                                                                                                         |                                                   |                                                                                                                                    |    |  |    |  |
|             | Round Optima™<br>Cat. No.<br>20113<br>—                                             | Round Shape<br>Keyed Round Punch<br>Shape Punch 0°&45°<br>Optima™<br>Cat. No.<br>20115<br>20116<br>20165<br>20166<br>—                                                                                                  | Round Shape<br>Shape Punch 0°&45°<br>Optima™<br>Cat. No.<br>20117<br>20118<br>20168<br>—                                           | Round Shape<br>Optima™<br>Cat. No.<br>20119<br>20120<br>—                                                                          |                                                                                      |  |                                                                                       |  |
| DIES        |    |                                                                                                                                                                                                                         |                                                   |                                                                                                                                    |    |  |    |  |
|             | Round Slug Hugger-2™*<br>Round Standard<br>Cat. No.<br>20037<br>20036               | Round Slug Hugger-2™*<br>Round Standard<br>Shape Slug Hugger-2™*<br>Shape Positive<br>Shape Die Positive at 0°&45°<br>Shape Slug Hugger-2™* at 0°&45°<br>Cat. No.<br>20037<br>20036<br>20040<br>20039<br>20291<br>20292 | Round Slug Hugger-2™*<br>Round Standard<br>Shape Slug Hugger-2™*<br>Shape Positive<br>Cat. No.<br>20043<br>20042<br>20046<br>20045 | Round Slug Hugger-2™*<br>Round Standard<br>Shape Slug Hugger-2™*<br>Shape Positive<br>Cat. No.<br>20049<br>20048<br>20052<br>20051 |                                                                                      |  |                                                                                       |  |
| STRIPPERS   |  |                                                                                                                                                                                                                         |                                                 |                                                                                                                                    |  |  |  |  |
|             | Standard (Magnum Machine)<br>Cat. No.<br>20401<br>20402                             | XB Standard<br>≤ 1/8" (3.2mm) RT<br>Cat. No.<br>20400<br>20403<br>20404                                                                                                                                                 | Standard<br>Cat. No.<br>20405                                                                                                      | Standard<br>≤ 1/8" (3.2mm) RT<br>1" (2.54mm) SQ<br>Cat. No.<br>20406<br>20408<br>20407                                             |                                                                                      |  |                                                                                       |  |
| PUNCH SHIMS | OD 1.03" (26.2mm)<br>Thickness .060 (1.5mm)<br>Cat. No.<br>20236<br>25 per bag      |                                                                                                                                                                                                                         | OD 1.28" (32.5mm)<br>Thickness .060 (1.5mm)<br>Cat. No.<br>20238<br>25 per bag                                                     |                                                                                                                                    | OD 1.72" (43.7mm)<br>Thickness .060 (1.5mm)<br>Cat. No.<br>20240<br>5 per bag        |  |                                                                                       |  |
|             | OD 1.54" (39mm)<br>Thickness .030 (0.75mm)<br>Cat. No.<br>20202<br>25 per bag       |                                                                                                                                                                                                                         | OD 2.23" (56.6mm)<br>Thickness .030 (0.75mm)<br>Cat. No.<br>20204<br>25 per bag                                                    |                                                                                                                                    | OD 2.73" (69mm)<br>Thickness .030 (0.75mm)<br>Cat. No.<br>20206<br>5 per bag         |  |                                                                                       |  |
| DIE SHIMS   |                                                                                     |                                                                                                                                                                                                                         |                                                                                                                                    |                                                                                                                                    |                                                                                      |  |                                                                                       |  |

\*Slug Hugger-2™ 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. For 114 Style Tooling add ons, and other urethane stripper options, see page 10.



|             | E Station<br>2.001 - 2.500" (50.8 - 63.5mm)                                                                                                                                                                         | F Station<br>2.501 - 3.000" (63.5 - 76.2mm)                                                                                                                                                                         | G Station<br>3.001 - 3.500" (76.2 - 88.9mm)                                                                                                                                                                          | H Station<br>3.501 - 4.125" (88.9 - 104.8mm)                                                                                                                                                                          |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PUNCHES     |  <p>Cat. No.<br/>20121<br/>20122<br/>—</p>                                                                                         |  <p>Cat. No.<br/>20123<br/>20124<br/>—</p>                                                                                         |  <p>Cat. No.<br/>20125<br/>20126<br/>—</p>                                                                                         |  <p>Cat. No.<br/>20127<br/>20128<br/>—</p>                                                                                         |
| DIES        |  <p>Cat. No.<br/>Round Slug Hugger-2™* 20055<br/>Round Standard 20054<br/>Shape Slug Hugger-2™* 20058<br/>Shape Positive 20057</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™* 20061<br/>Round Standard 20060<br/>Shape Slug Hugger-2™* 20064<br/>Shape Positive 20063</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™* 20067<br/>Round Standard 20066<br/>Shape Slug Hugger-2™* 20070<br/>Shape Positive 20069</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™* 20073<br/>Round Standard 20072<br/>Shape Slug Hugger-2™* 20076<br/>Shape Positive 20075</p> |
| STRIPPERS   |  <p>Cat. No.<br/>Standard 20410<br/>≤1/2" (12.7mm) RT 20411</p>                                                                  |  <p>Cat. No.<br/>Standard 20412<br/>≤ 1/2" (12.7mm) RT 20414<br/>2" (50.8mm) SQ 20413</p>                                        |  <p>Cat. No.<br/>Standard 20415<br/>≤1/2" (12.7mm) RT 20417<br/>2" (50.8mm) SQ 20416</p>                                         |  <p>Cat. No.<br/>Standard 20418<br/>≤1/2" (12.7mm) RT 20419</p>                                                                  |
| PUNCH SHIMS | <p>OD 2.47" (62.7mm)<br/>Thickness .060 (1.5mm)</p> <p>Cat. No.<br/>5 per bag 20242</p>                                                                                                                             |                                                                                                                                                                                                                     | <p>OD 4.09" (103.9mm)<br/>Thickness .060 (1.5mm)</p> <p>Cat. No.<br/>5 per bag 20244</p>                                                                                                                             |                                                                                                                                                                                                                       |
| DIE SHIMS   | <p>OD 3.48" (88.4mm)<br/>Thickness .030 (0.75mm)</p> <p>Cat. No.<br/>5 per bag 20208</p>                                                                                                                            | <p>OD 3.98" (101.1mm)<br/>Thickness .030 (0.75mm)</p> <p>Cat. No.<br/>5 per bag 20214</p>                                                                                                                           | <p>OD 4.48" (113.8mm)<br/>Thickness .030 (0.75mm)</p> <p>Cat. No.<br/>5 per bag 20216</p>                                                                                                                            | <p>OD 5.23" (132.8mm)<br/>Thickness .030 (0.75mm)</p> <p>Cat. No.<br/>5 per bag 20218</p>                                                                                                                             |

\*Slug Hugger-2™ 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. For 114 Style Tooling add ons, and other urethane stripper options, see page 10.

|             | J Station<br>4.126 - 4.750" (104.8 - 120.65mm)                                                                                                                                                                                      | K Station<br>4.751 - 5.500" (120.65 - 139.7mm)                                                                                                                                                                                      | L Station<br>5.501 - 6.000" (139.7 - 152.4mm)                                                                                                                                                                                        |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PUNCHES     |  <p>Cat. No.<br/>Round Shape Optima™<br/>20129<br/>20130<br/>—</p>                                                                                 |  <p>Cat. No.<br/>Round Shape Optima™<br/>20131<br/>20132<br/>—</p>                                                                                 |  <p>Cat. No.<br/>Round Shape Optima™<br/>20133<br/>20134<br/>—</p>                                                                                 |
| DIES        |  <p>Cat. No.<br/>Round Slug Hugger-2™*<br/>Round Standard<br/>Shape Slug Hugger-2™*<br/>Shape Positive<br/>20079<br/>20078<br/>20082<br/>20081</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™*<br/>Round Standard<br/>Shape Slug Hugger-2™*<br/>Shape Positive<br/>20085<br/>20084<br/>20088<br/>20087</p> |  <p>Cat. No.<br/>Round Slug Hugger-2™*<br/>Round Standard<br/>Shape Slug Hugger-2™*<br/>Shape Positive<br/>20091<br/>20090<br/>20094<br/>20093</p> |
| STRIPPERS   |  <p>Cat. No.<br/>Standard<br/>≤1/2" (12.7mm) RT<br/>20420<br/>20421</p>                                                                          |  <p>Cat. No.<br/>Standard<br/>≤1/2" (12.7mm) RT<br/>(Magnum Machine)<br/>20422<br/>20424<br/>20423</p>                                           | Not Available                                                                                                                                                                                                                        |
| PUNCH SHIMS | <p>OD 4.09" (103.9mm)<br/>Thickness .060 (1.5mm)</p> <p>Cat. No.<br/>5 per bag<br/>20244</p>                                                                                                                                        | <p>OD 5.34" (135.6mm)<br/>Thickness .060 (1.5mm)</p> <p>Cat. No.<br/>5 per bag<br/>20246</p>                                                                                                                                        |                                                                                                                                                                                                                                      |
| DIE SHIMS   | <p>OD 5.98" (151.9mm)<br/>Thickness .031 (0.79mm)</p> <p>Cat. No.<br/>5 per bag<br/>20220</p>                                                                                                                                       | <p>OD 6.98" (177.3mm)<br/>Thickness .030 (0.75mm)</p> <p>Cat. No.<br/>5 per bag<br/>20222</p>                                                                                                                                       | <p>OD 7.48" (190mm)<br/>Thickness .030 (0.75mm)</p> <p>Cat. No.<br/>5 per bag<br/>20224</p>                                                                                                                                          |

\*Slug Hugger-2™ 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.

For 114 Style Tooling add ons, and other urethane stripper options, see page 10.

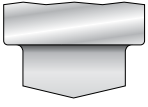
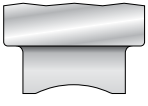
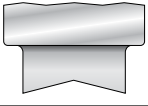
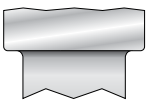
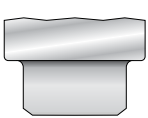
| A, B, C Station Add Ons                                                                                                   |       |            |
|---------------------------------------------------------------------------------------------------------------------------|-------|------------|
| Add ons for Rounds                                                                                                        |       |            |
| <b>Small Diameter</b><br>.031 - .061 (0.79 - 1.55 mm)<br>.062 - .092 (1.57 - 2.34 mm)<br><b>Clearance</b> < .004 (0.10mm) | Punch | Die<br>N/C |
| Add ons for Shapes                                                                                                        |       |            |
| <b>Small Widths</b><br>.031 - .039 (0.79 - 1.0mm)<br>.040 - .092 (1.02 - 2.34mm)                                          | Punch | Die<br>N/C |
| <b>Small 'A' Dimension'</b><br>C < .750 (19.05mm)<br><b>Clearance</b> < .004 (0.10mm)                                     | Punch | Die<br>N/C |

| D Station Add Ons                                                                                                      |       |                   |
|------------------------------------------------------------------------------------------------------------------------|-------|-------------------|
| Add ons for Rounds                                                                                                     |       |                   |
| <b>Small Diameter</b><br>< 1.250 (31.75mm)<br><b>Clearance</b> < .004 (0.10mm)                                         | Punch | Die<br>N/C        |
| Add ons for Shapes                                                                                                     |       |                   |
| <b>Small Widths</b><br>.031 - .039 (0.79 - 1.0mm)<br>.040 - .092 (1.02 - 2.34mm)                                       | Punch | Die               |
| <b>Small 'A' Dimension'</b><br>< 1.150 (29.21mm)<br>1.150 - 1.500 (29.21 - 38.1mm)<br><b>Clearance</b> < .004 (0.10mm) | Punch | Die<br>N/C<br>N/C |

| E, F, G Station Add Ons                                                                                          |       |                   |
|------------------------------------------------------------------------------------------------------------------|-------|-------------------|
| Add ons for Rounds                                                                                               |       |                   |
| <b>Small Diameter</b><br>E, F < 1.900 (48.26mm)<br>G < 3.024 (76.81mm)<br><b>Clearance</b> < .004 (0.10mm)       | Punch | Die<br>N/C<br>N/C |
| Add ons for Shapes                                                                                               |       |                   |
| <b>Small Widths</b><br>.031 - .039 (0.79 - 1.0mm)<br>.040 - .092 (1.02 - 2.34mm)                                 | Punch | Die               |
| <b>Small 'A' Dimension'</b><br>E, F < 1.750 (44.45mm)<br>G < 2.750 (69.85mm)<br><b>Clearance</b> < .004 (0.10mm) | Punch | Die<br>N/C<br>N/C |

| H, J Station Add Ons                                                                 |       |            |
|--------------------------------------------------------------------------------------|-------|------------|
| Add ons for Rounds                                                                   |       |            |
| <b>Small Diameter</b><br>< 3.400 (88.9mm)<br><b>Clearance</b> < .004 (0.10mm)        | Punch | Die<br>N/C |
| Add ons for Shapes                                                                   |       |            |
| <b>Small Widths</b><br>.031 - .039 (0.79 - 1.0mm)<br>.040 - .092 (1.02 - 2.34mm)     | Punch | Die        |
| <b>Small 'A' Dimension'</b><br>< 3.250 (82.55mm)<br><b>Clearance</b> < .004 (0.10mm) | Punch | Die<br>N/C |

| K, L Station Add Ons                                                      |       |            | Radius or 45° Chamfer 4 Corners                                                                                                                                                                                                 |                             |       | Urethane Stripper Options                       |                 |
|---------------------------------------------------------------------------|-------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------|-------------------------------------------------|-----------------|
| Add ons for Rounds                                                        |       |            | Punches                                                                                                                                                                                                                         | Radius or Chamfer Size      | Price | 95 dA (natural)*                                | Heavy Duty      |
| Small Diameter<br>< 4.650 (120.65mm)<br>Clearance < .004 (0.10mm)         | Punch | Die<br>N/C |                                                                                                                                                                                                                                 | .001 - .062 (0.02 - 1.57mm) |       | 90 dA (blue)                                    | Standard        |
|                                                                           |       |            |                                                                                                                                                                                                                                 | .063 - .250 (1.58 - 6.35mm) |       | 80 dA (green)*                                  | Light Duty      |
|                                                                           |       |            |                                                                                                                                                                                                                                 | Greater than .250 (6.35mm)  |       | 70 dA (yellow)*                                 | Very Light Duty |
| Add ons for Shapes                                                        |       |            | Dies                                                                                                                                                                                                                            | Any size                    |       |                                                 |                 |
| Small Widths<br>.031 - .039 (0.79 - 1.0mm)<br>.040 - .092 (1.02 - 2.34mm) | Punch | Die        | Notes                                                                                                                                                                                                                           |                             |       |                                                 |                 |
|                                                                           |       |            | <ul style="list-style-type: none"><li>Additional charges apply to round or shape punch for extra straight before radius, extra back taper, or no back taper.</li><li>† 'A' Dimension = longest distance across shape.</li></ul> |                             |       |                                                 |                 |
| Small 'A' Dimension'<br>< 4.500 (114.3mm)<br>Clearance < .004 (0.10mm)    | Punch | Die<br>N/C |                                                                                                                                                                                                                                 |                             |       | *Contact our sales desk for price and delivery. |                 |

| Type of Shear                                                                     |                                  | Benefit                                                                                                     | Limitation                                                                                           |
|-----------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|  | <b>Rooftop</b>                   | Best shear for punching at maximum tonnages.                                                                | When nibbling, bite must be 75% of punch dimension or excessive side loading will result.            |
|  | <b>Concave or Double Concave</b> | Best shear for nibbling because it inverts stresses.                                                        | The punch is less resistant to breakage when punching at high tonnages because of inverted stresses. |
|  | <b>Inverted Rooftop</b>          | Also good shear for nibbling because it inverts stresses.                                                   | More susceptible to breakage because of a sharp focal point for stresses—use great care.             |
|  | <b>Double Valley Shear</b>       | 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. |
|  | <b>JK Shear</b>                  | 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 <sup>†</sup> .           |

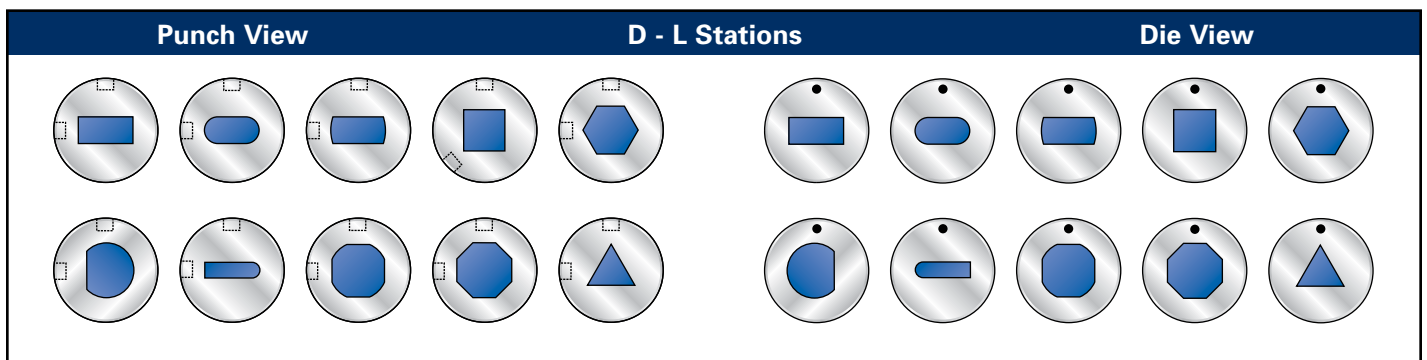
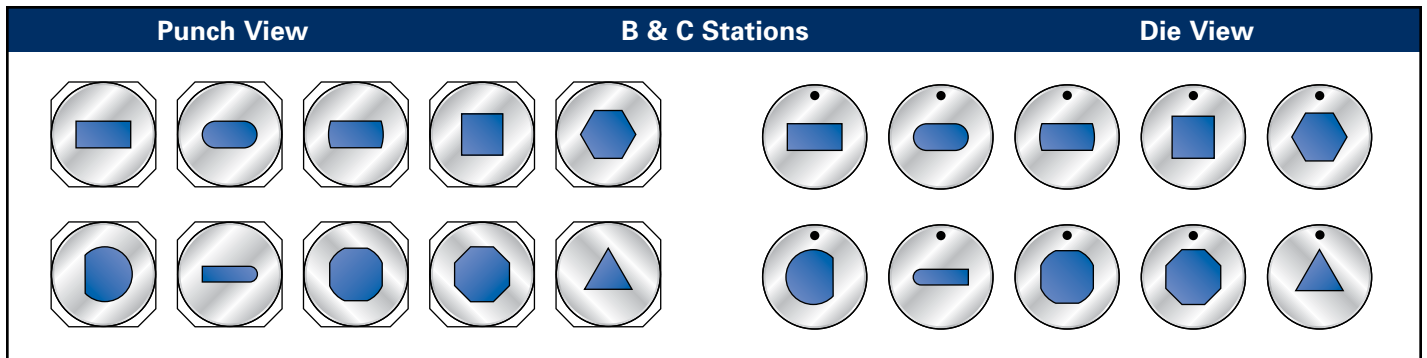
| Special Shears |                             |                                    |                    |                                 |                    |
|----------------|-----------------------------|------------------------------------|--------------------|---------------------------------|--------------------|
| Station        | 'A' Dimensions <sup>†</sup> | Inverted Rooftop Or Single Concave |                    | Double Valley Or Double Concave |                    |
|                |                             | 112                                | 114                | 112                             | 114                |
|                |                             | .062" (1.6mm) Shear                | .093 (2.4mm) Shear | .062 (1.6mm) Shear              | .093 (2.4mm) Shear |
| <b>B, C</b>    | Within 1.500" (38.1mm)      |                                    |                    |                                 | N/A                |
| <b>D, E, F</b> | Within 3.125" (79.4mm)      |                                    |                    |                                 |                    |
| <b>G, H, J</b> | Within 4.750" (120.6mm)     |                                    |                    |                                 |                    |
| <b>K, L</b>    | Within 6.000" (152.4mm)     | N/A                                |                    | N/A                             |                    |

.062"/1.6mm (112 Style) and .093"/2.4mm (114 Style) rooftop shear is given to all punches with 'A' dimension<sup>†</sup> 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.

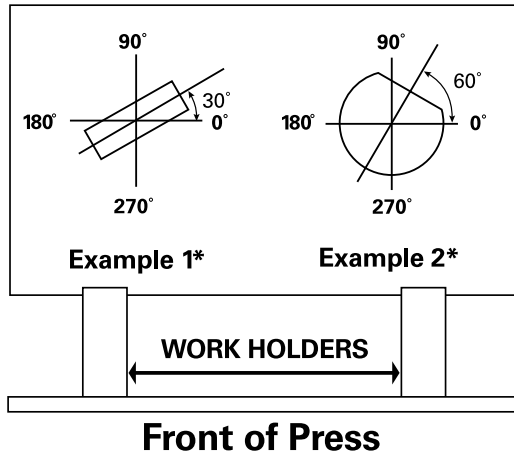
<sup>†</sup> 'A' Dimension = Longest dimension across shape.

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

| JK Shear                                           |              |
|----------------------------------------------------|--------------|
| Shape                                              | Add On Price |
| Round                                              |              |
| Rectangle, Square, Hexagon, Single "D", Double "D" |              |
| Obround                                            |              |

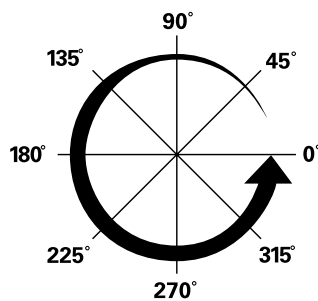


## Examples of angle settings:



**Note:** Please refer to non-standard key locations by the following method:

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



**Note:** No additional charge on B & C stations for shape at 45 degree increments

### Shape at single angle only at 15° Increments for 112 and 114

| Station | Punches | Dies |
|---------|---------|------|
| BC      |         |      |
| D       |         |      |
| EF      |         |      |
| GHJ     |         |      |
| KL      |         |      |

### Shape at single angle only at other than 15° Increments for 112 and 114

| Station | Punches | Dies |
|---------|---------|------|
| BC      |         |      |
| D       |         |      |
| EF      |         |      |
| GHJ     |         |      |
| KL      |         |      |

### Standard keying, plus extra keys for shapes at 45° increments for 112 and 114

| Station | Punches           |              | Dies         |
|---------|-------------------|--------------|--------------|
|         | Available Options | Add On Price | Add On Price |
| BC      | 45° Only          |              |              |
| D       | 45° Increments    |              |              |
| EF      | 45° Increments    |              |              |
| GHJ     | 45° Increments    |              |              |
| KL      | 45° Increments    |              |              |

### Standard keying, plus extra pins or keys for shapes at other than 45° increments for 112 and 114

| Station | Punches       | Dies          |
|---------|---------------|---------------|
| BC      | Not Available | Not Available |
| D       | Not Available | Not Available |
| EF      |               |               |
| GHJ     |               |               |
| KL      |               |               |

**FEATURES AND BENEFITS*****Fast, Flexible and Accurate Wilson HP™ Special Tooling***

*In addition to the unique Wilson HP holder technology that allows fast, "click-and-turn" in-machine adjustment, Wilson HP Special Tooling offers:*

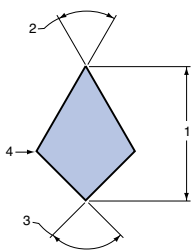
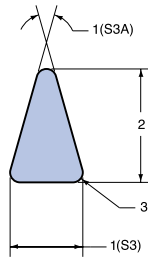
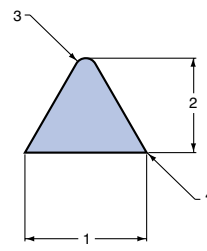
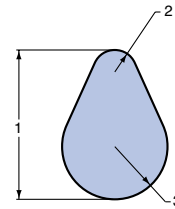
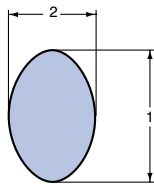
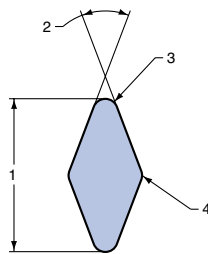
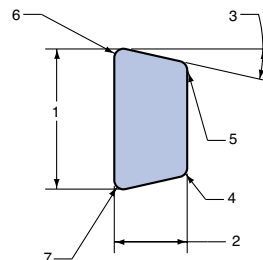
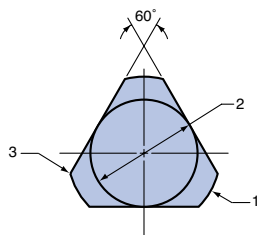
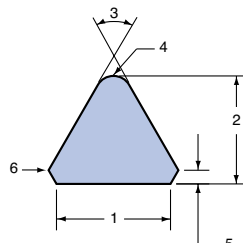
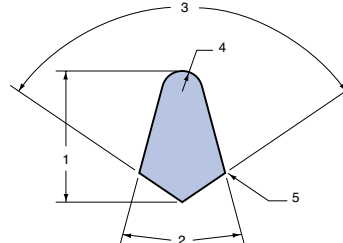
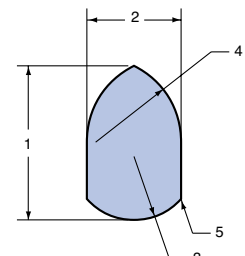
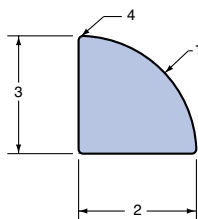
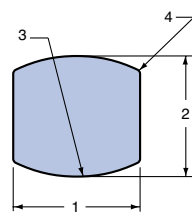
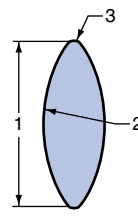
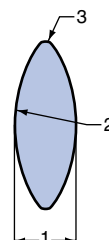
- ▼ Positive, push-button adjustment in .002" (0.05mm) increments for improved accuracy without the use of shims, without tools and without removal from the machine
- ▼ Larger maximum "A" dimension than other forming punches which allows larger-sized forming tools to be used in the XB-L stations of Murata Wiedemann punch presses for faster, easier and more efficient punching
- ▼ The shortest lead-times and fastest deliveries in the industry
- ▼ An extensive selection of Special Forming Tools including:
  - Embosses
  - Extrusions
  - Half Shears
  - EKO's
  - Coining Tools
  - Lance and Forms
  - Progressive Ribs
  - Louvers
  - Bridges
  - Letter Stamps
  - Hinges
  - Thread Forms
  - Card Guides



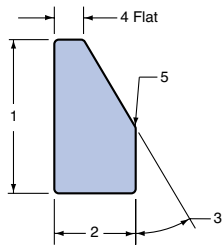
*For a special forming tool that is not on this list, contact our Sales Desk.*



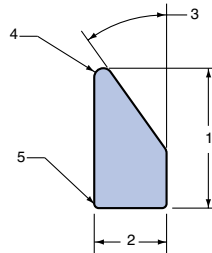
Note: Special Considerations May Alter Price and Lead Time

**S1****S3 -S3A****S4****S7****S8****S9****S23****S50****S51****S59****S65****S69****S81****S95L****S95W**

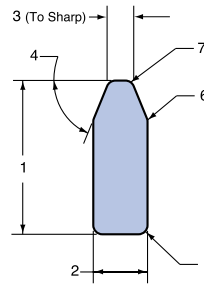
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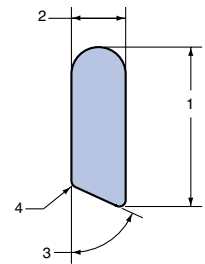
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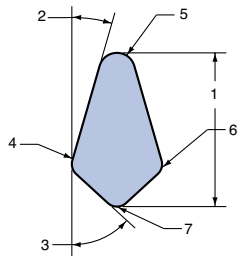
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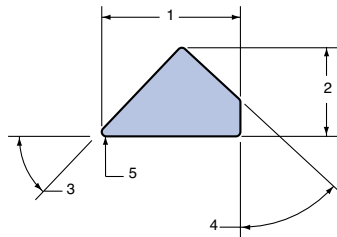
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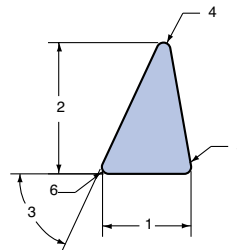
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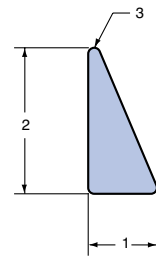
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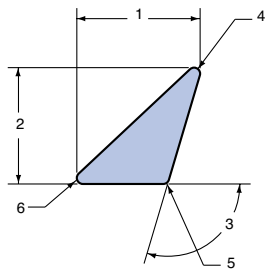
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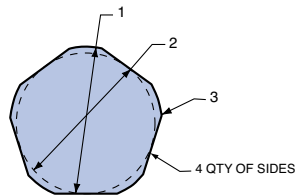
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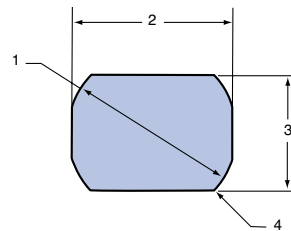
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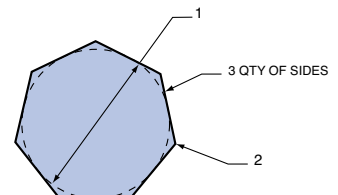
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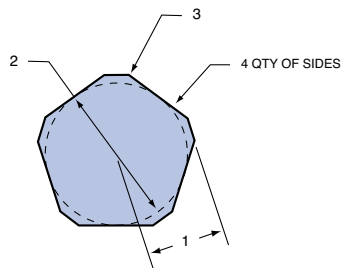
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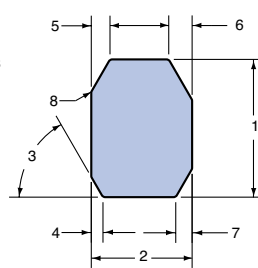
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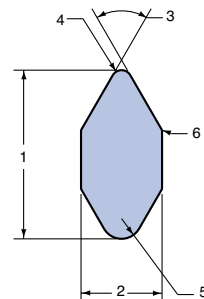
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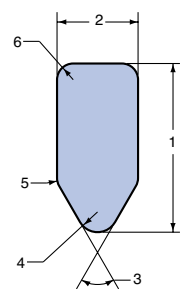
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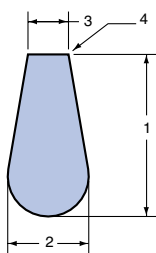
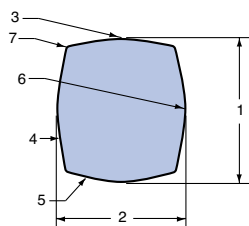
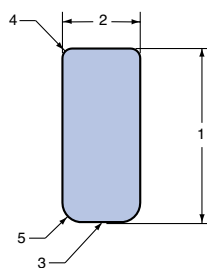
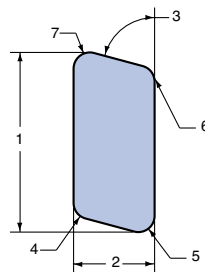
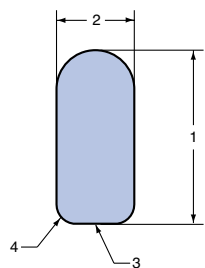
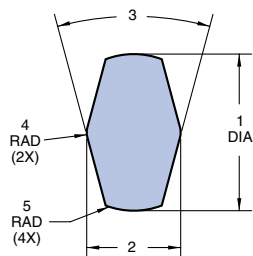
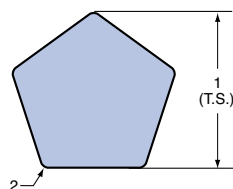
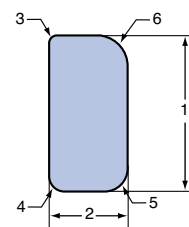
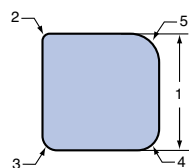
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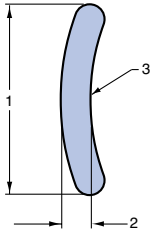
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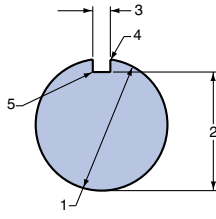
S163

**GROUP "A"****S164****S165****S166****S167****S170****S181****PN****RTF****SQF**

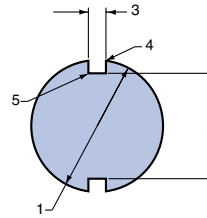
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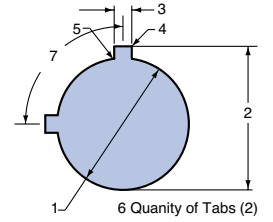
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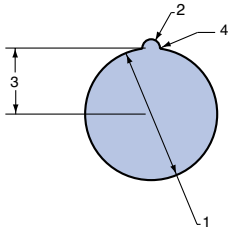
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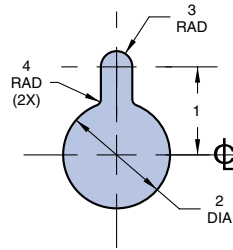
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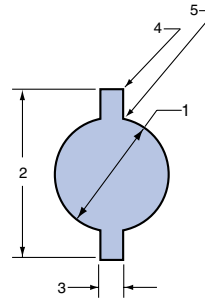
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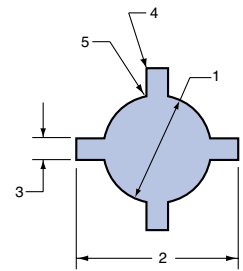
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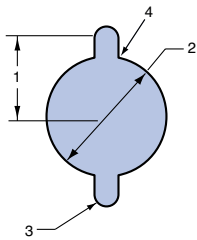
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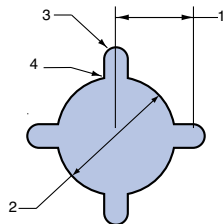
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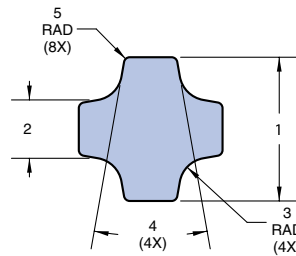
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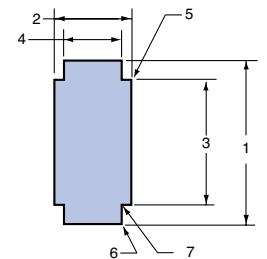
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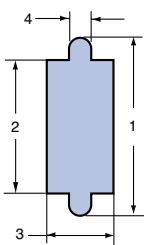
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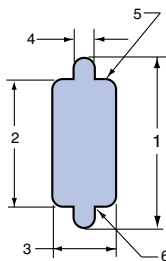
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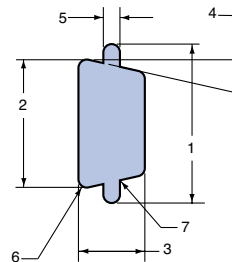
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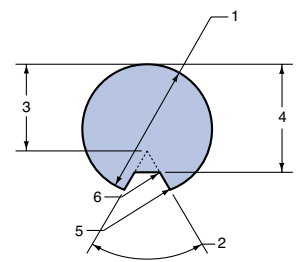
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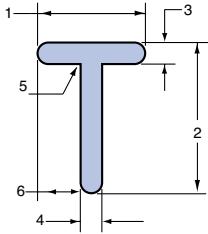
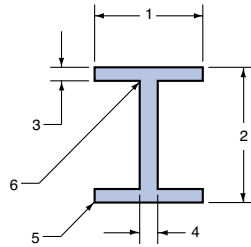
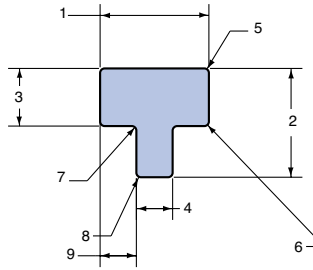
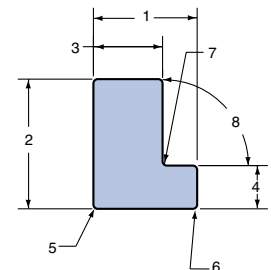
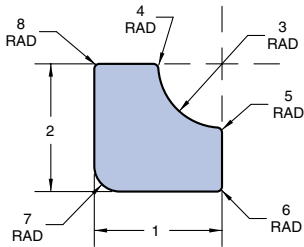
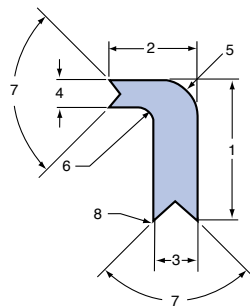
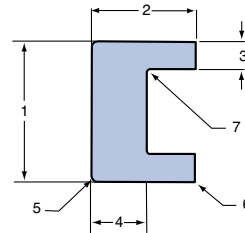
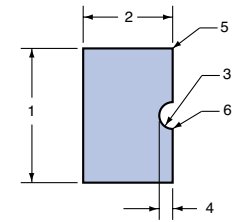
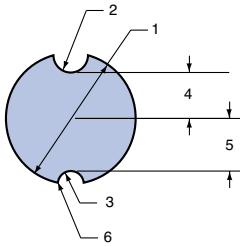
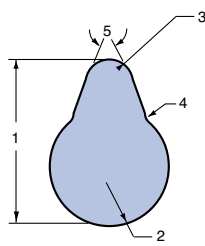
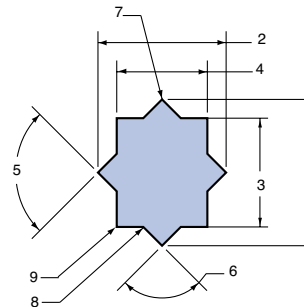
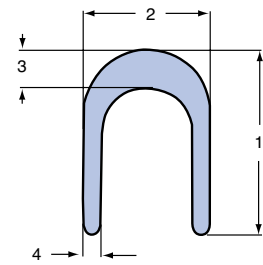
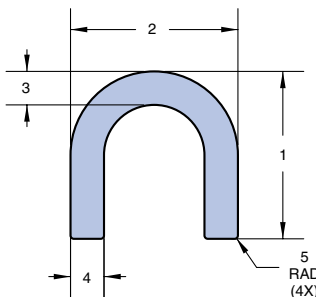
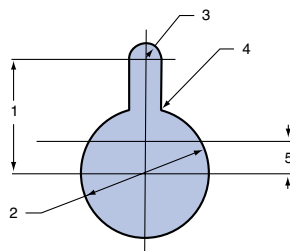
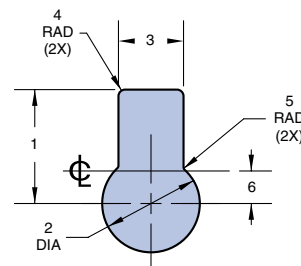
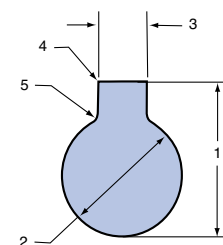
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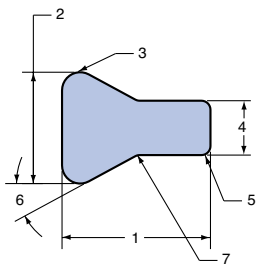
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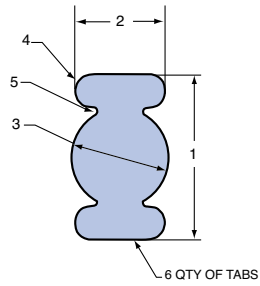
S30

**GROUP "B"****S31****S33****S35****S36****S36A****S37****S40****S41****S42****S43****S46****S54****S55****S56****S57****S58**

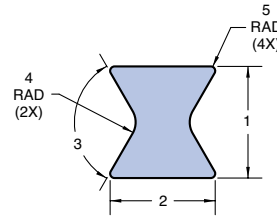
## GROUP "B"



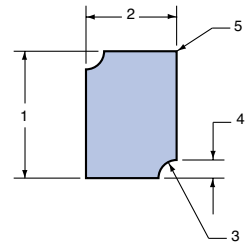
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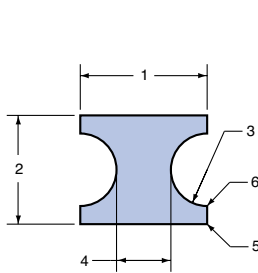
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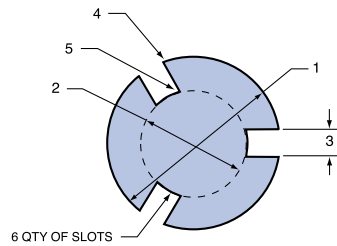
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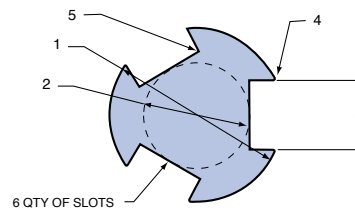
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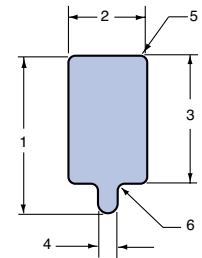
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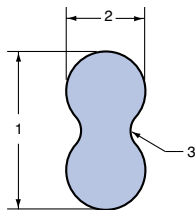
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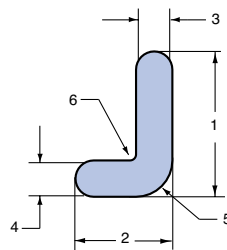
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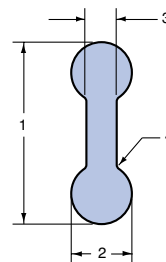
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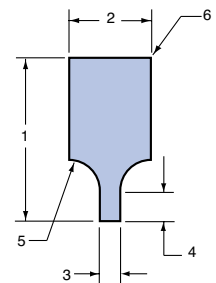
S87



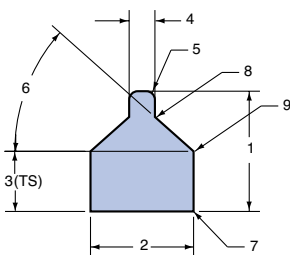
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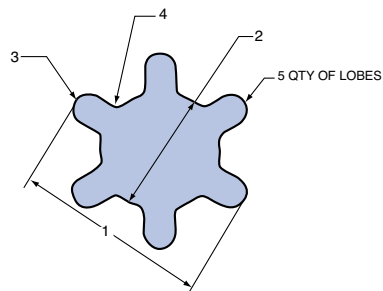
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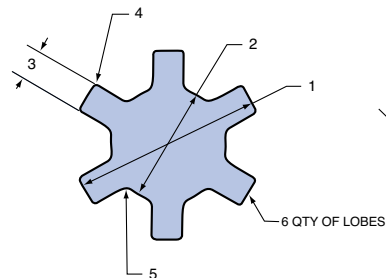
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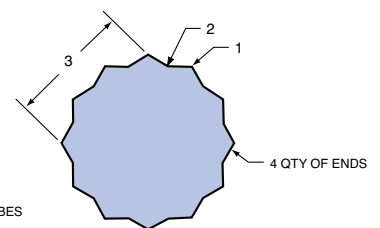
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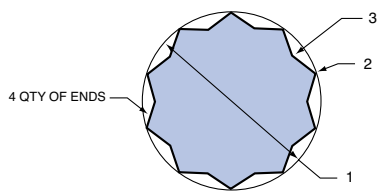
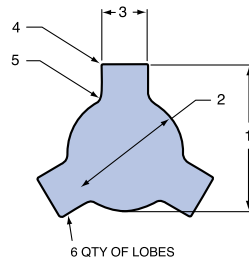
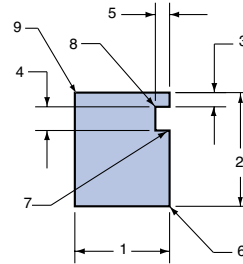
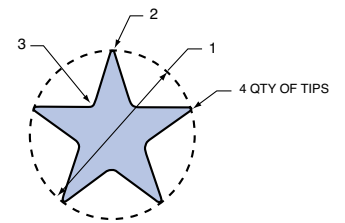
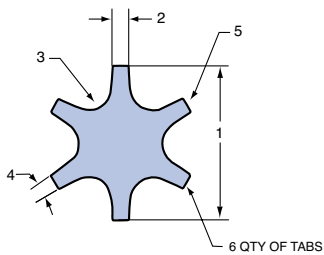
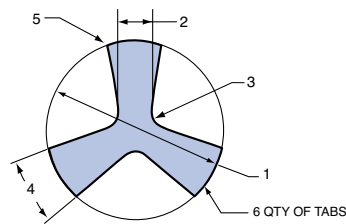
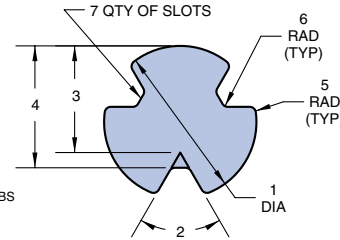
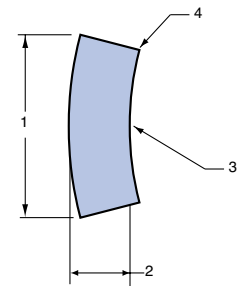
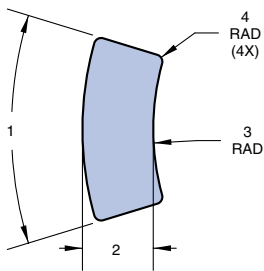
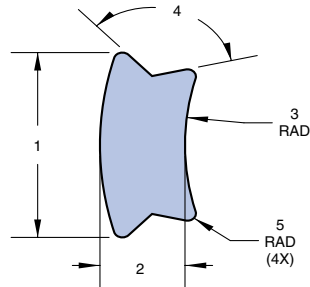
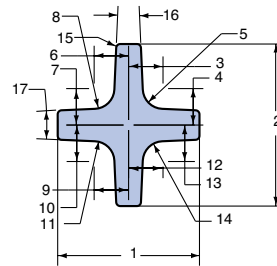
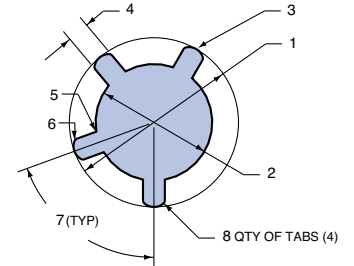
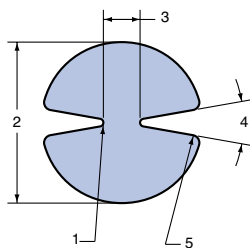
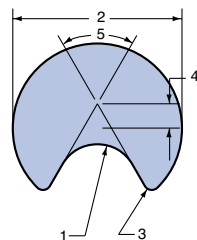
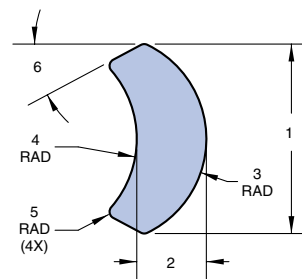
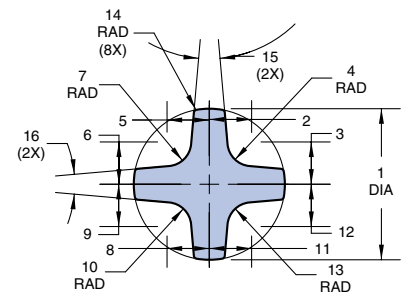
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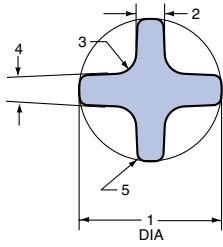
S116



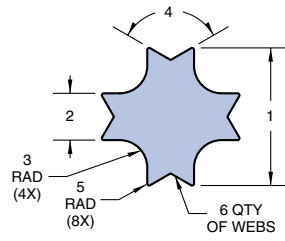
S117

**GROUP "B"****S118****S119****S120****S125****S126****S127****S128****S141****S141A****S142****S168****S169****S171****S172****S174****S176**

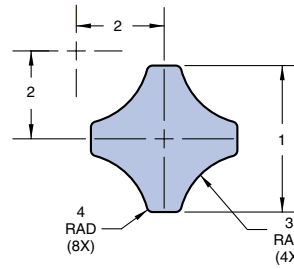
## GROUP "B"



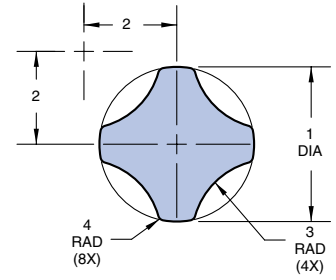
S177



S179

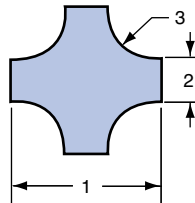


S19A



S19B

### 4-Way Radius Tools - Standard Sizes

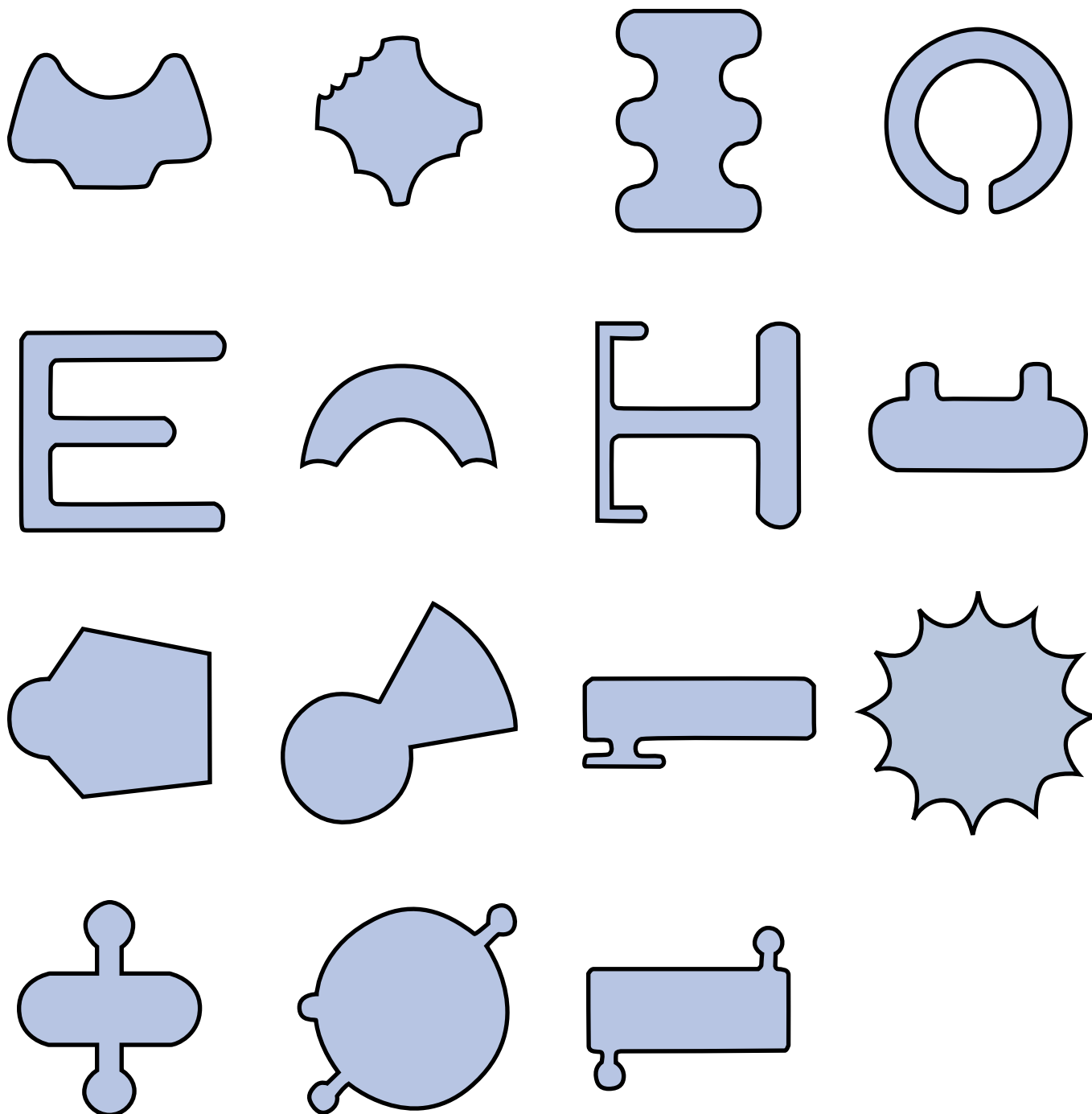


| RADIUS        | DIM. 1         | DIM. 2        | DIM. 3        |
|---------------|----------------|---------------|---------------|
| .062 (1.58mm) | .500 (1.58mm)  | .250 (6.35mm) | .062 (1.58mm) |
| .094 (2.39mm) | .625 (2.39mm)  | .250 (6.35mm) | .094 (2.39mm) |
| .125 (3.18mm) | .625 (3.18mm)  | .250 (6.35mm) | .125 (3.18mm) |
| .156 (3.96mm) | .750 (3.96mm)  | .250 (6.35mm) | .156 (3.96mm) |
| .188 (4.78mm) | .750 (4.78mm)  | .250 (6.35mm) | .188 (4.78mm) |
| .250 (6.35mm) | .875 (6.35mm)  | .250 (6.35mm) | .250 (6.35mm) |
| .312 (7.93mm) | 1.000 (7.93mm) | .250 (6.35mm) | .312 (7.93mm) |
| .375 (9.53mm) | 1.125 (9.53mm) | .250 (6.35mm) | .375 (9.53mm) |
| .500 (12.7mm) | 1.250 (12.7mm) | .250 (6.35mm) | .500 (12.7mm) |



# SPECIAL SHAPES

## GROUP "C"



## FOR F (I/T) STATION ONLY



**Punch & Die Adapter Set**  
CAT. NO. 21064  
(wheel tools not included)

Wheel tools shown with punch and die adapter set



**Rolling Shear™**



**Rolling Rib™**



**Rolling Offset™**



**Rolling Pincher™**



**Rolling Flare™**



### FEATURES

The Wilson Wheel family of products offers fabricators flexible, high-speed production of flares, slits, ribs and offsets on a wide range of materials with virtually no burrs or nibble marks.

### DESIGN CRITERIA

- A programmable ram is required to use these wheel tools.
- Consult the sales desk for machine specific requirements.
- Consult sales desk for minimum radius of each tool.
- Can be used on Pullmax machines and some others - please consult sales desk.

### INFORMATION NEEDED

- Machine model
- Material thickness and type

**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





Metric Hex Key Wrench Set  
CAT. NO. 06105



SAE Hex Key Wrench Set  
CAT. NO. 06057



Soft Face Hammer  
CAT. NO. 06106



Oil Stone  
CAT. NO. 06060

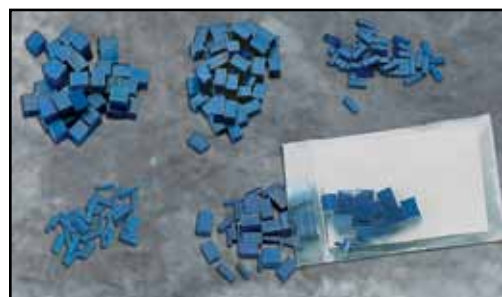


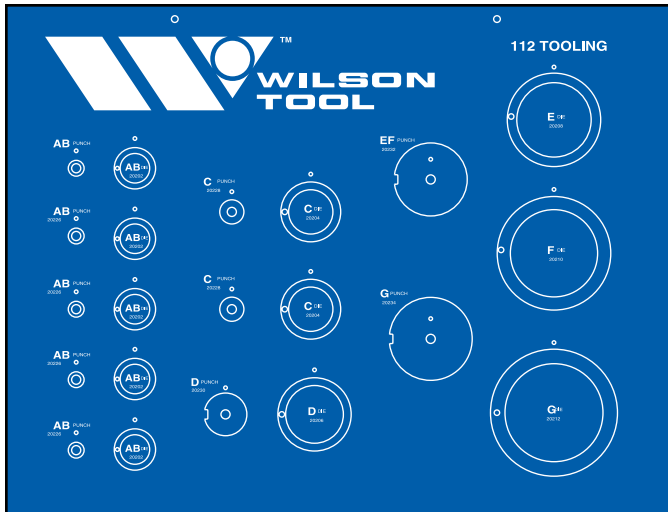
Diamond File  
CAT. NO. 06059



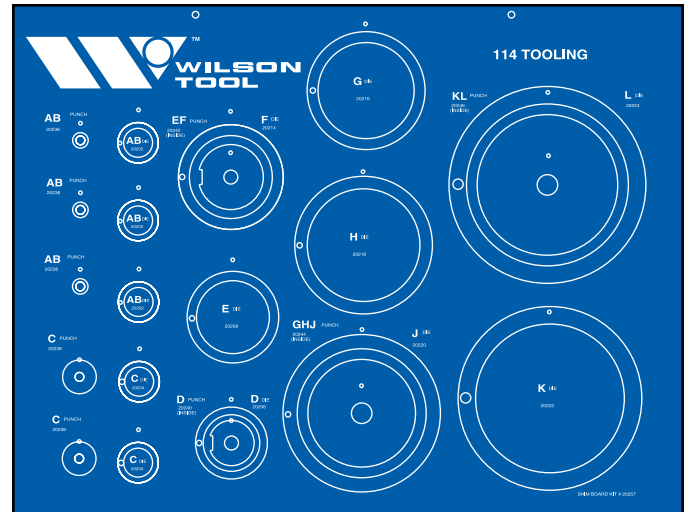
Sure Shot Sprayer  
1-QT (.95 liter) capacity  
CAT. NO. 06120

| Slug Ejectors      |      |          |       |
|--------------------|------|----------|-------|
| Square Urethane    |      |          |       |
| HOLE DIA. IN PUNCH | QTY. | CAT. NO. | PRICE |
| 1/8" (3.2mm)       | 50   | 06116    |       |
| 3/16" (4.8mm)      | 50   | 06117    |       |
| 3/8" (9.5mm)       | 50   | 06118    |       |
| 1/2" (12.7mm)      | 50   | 06119    |       |
| Assortment         | 50   | 06410    |       |





Shim board and hook package for 112 Style Tooling\*  
CAT. NO. 20256



Shim board and hook package for 114 Style Tooling\*  
CAT. NO.20257

\*Shims not included

## TERMS OF SALE

### 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.

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Fax: 651-286-5959

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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.



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Email: salesdesk@wilsontool.com  
www.wilsontool.com

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Fax: 651-286-5959  
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Fax (Free): 0800-373758  
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Email: sales@wilsontool.eu.com

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