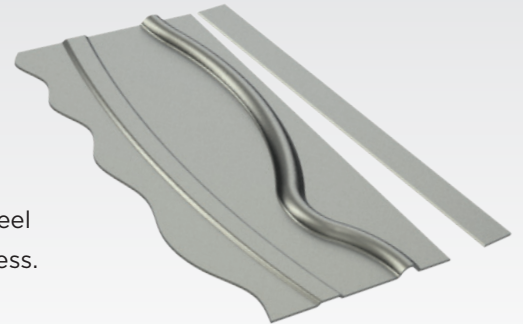


REDUCE CYCLE TIME WITH A NEW SET OF WHEELS

The Wilson Wheel® family of products from Wilson Tool International is the most revolutionary collection of tooling for the punch press. Offering drastically higher speed, greater flexibility and improved part quality, wheel tools allow fabricators to achieve much higher efficiency in the punch press.



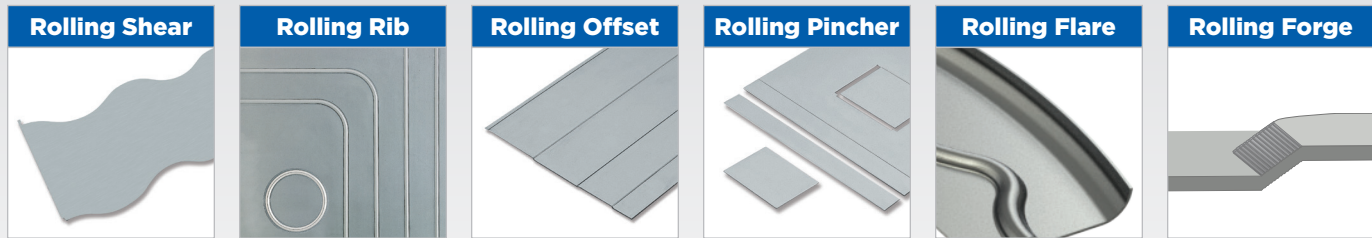
Scan QR Code
to See the
Wilson Wheel®
Family
in Action



The following tools from the Wilson Wheel® family are available in most punch press tool styles:

- The **Rolling Shear** offers the ability to create straight-line cuts or contours from anywhere on the sheet.
- The **Rolling Rib** makes it possible to create ribs quickly and in any location.
- The **Rolling Offset** quickly creates offsets in any contour, starting or ending anywhere on the sheet.
- The **Rolling Pincher** is ideal for easy, clean separation of parts.
- The **Rolling Flare** allows fabricators to create large diameter flares and other shapes — including those larger than station size — with one tool.
- The **Rolling Forge** creates fast, buckle-free embosses and offsets in the punch press.

WILSON WHEEL® FAMILY



For applications outside of the guidelines below, please contact a tooling technician for alternative solutions.

Material Range	Min. Radius	Additional Info
Rolling Shear Create straight-line cuts or contours from anywhere on the sheet		
SS .032 – .060" [0.8 – 1.5mm] MS .032 – .079" [0.8 – 2.0mm] Al .032 – .098" [0.8 – 2.5mm]	1.75 – 4.00" (dependent upon material thickness) <i>1.75" (material = .048")</i> <i>3" (material = .059")</i> <i>4" (material = .074")</i>	Wheels are material specific: • Never run material thicker than what the tool was designed for. Thinner material may result in a slight curl along the cut edge which may be acceptable. • Minimum distance from the edge of the form is 1". Additional relief can be added per application.
Rolling Rib Create ribs quickly in any location		
SS .032 – .060" [0.8 – 1.5mm] MS .032 – .079" [0.8 – 2.0mm] AL .032 – .098" [0.8 – 2.5mm]	.590" [15mm] <i>(material ≤ .060" [1.5mm])</i> .787" [20mm] <i>(material > .060" [1.5mm])</i>	Form will work well if: • Form height is 2-3 times the material thickness • Form width is 2 times the height • Max. width is .500" [12.7mm]
Rolling Offset Quickly create offsets in any contour, starting or ending anywhere on the sheet		
SS .032 – .060" [0.8 – 1.5mm] MS .032 – .079" [0.8 – 2.0mm] Al .032 – .098" [0.8 – 2.5mm]	1" [25mm]	Form will work well if: • Form angle is 45° • Max. top to top height is 0.188"
Rolling Pincher Ideal for easy, clean separation of parts		
SS .032 – .060" [0.8 – 1.5mm] MS .032 – .079" [0.8 – 2.0mm] Al .032 – .098" [0.8 – 2.5mm]	9.69" [500mm]	• Punch wheel is 60° x .060" [1.5mm] deep
Rolling Flare Create large diameter flares and other shapes — including those larger than station size		
SS .036 – .048" [0.9 – 1.2mm] MS .036 – .074" [0.9 – 1.8mm]	1.50" [38.1mm]	• Max. overall height is .300 – .375" [7.62 – 9.52mm] (dependent upon machine) • Flare Height ≤ Radius • Not recommended for Aluminum (galling)
Rolling Forge Create fast, buckle-free embosses and offsets in the punch press		
.032 – .075" [0.8 – 1.9mm]	Internal 1.968" [50mm] External 0.394" [10mm]	• Max. recommended height is 0.250" [6.3mm]

For more information, visit wilsontool.com/punching, call our tooling technicians at 800.328.9646 or contact your sales engineer.

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