



UGS

*Transforming the
process of innovation*

Solid Edge V19

Kris Kasprzak – Solid Edge Product Manager

Sheet Metal hands-on



What You Will Learn



- ▶ Better Manufacturing Documentation
 - ▶ Bend Tables in Part
 - ▶ Bend Table in Draft
 - ▶ Flat Pattern Cut Size
 - ▶ Divide Bend for Lofted Flanges (transitions)
 - ▶ Bend data to DXF
- ▶ Stiffer Models
 - ▶ Contour Flange on Curved Edges
 - ▶ Hem Command
 - ▶ Cross-Brake Feature
 - ▶ Gusset Command (Corner stiffener)
- ▶ Assembly Design
 - ▶ Flange Match Face



What You Will Learn



- ▶ General Fixes
 - ▶ Deliver Stencil Fonts
 - ▶ Enable thickness key-in for initial Contour and Lofted Flange
 - ▶ Dimension Constraints for Flange Profile
 - ▶ Unbend option for “All Bends”
 - ▶ Nearest Cut Normal Cutout (Welding Cases)
 - ▶ Contour Flange: Show Selected Edge in
 - ▶ Contour Flange: Apply Side During Contour Flange Edit
 - ▶ Contour Flange: Correct Miters for Outside
 - ▶ Contour Flange: Correct Miters for Interior Contour Flanges
 - ▶ Contour Flange: Optional Miters for large bend



Some Ground Rules



- ▶ Follow the handouts
- ▶ Exploration is great, but let's do the steps first
- ▶ Listen when I demo
- ▶ Ask questions!



Quick Demo

- ▶ Bend Tables
- ▶ Flat Cut Size
- ▶ Transitions
- ▶ Bend Data To DXF



Quick Demo

- ▶ Flange on curved edges
- ▶ Hems
- ▶ Cross Brakes
- ▶ Gussets



Quick Demo

- ▶ Flange: Match Face
- ▶ Direct Edit: Match Face



Quick Demo

- ▶ Deliver Stencil Fonts
- ▶ Enable thickness key-in for initial Contour and Lofted Flange
- ▶ Dimension Constraints for Flange Profile
- ▶ Unbend option for “All Bends”
- ▶ Nearest Cut Normal Cutout (Welding Cases)
- ▶ Contour Flange: Show Selected Edge in
- ▶ Contour Flange: Apply Side During Contour Flange Edit
- ▶ Contour Flange: Correct Miters for Outside
- ▶ Contour Flange: Correct Miters for Interior Contour Flanges
- ▶ Contour Flange: Optional Miters for large bend