



DAF/L OXYFUEL BEVEL UNIT

Fully automated oxyfuel bevel system.

Messer Cutting Systems DAF/L Oxyfuel Bevel Unit is used to produce weld preparation edges on mild steel. Programmable lateral and angle adjustment of the torches provides the ability to quickly switch between V, X, Y or K bevel profiles within the same part or nest of parts. Remote ignition, automatic gas flow adjustment, infinitely rotating gas slip ring, and patented automatic height sensing system provide nearly unattended operation of the machine. The DAF/L is best for companies with multiple bevel profile requirements on mild steel up to 120 mm (4-3/4") that want to maximize productivity while producing high quality parts.

FEATURES AND BENEFITS

- **Infinitely rotating gas slip ring provides full contour beveling without twisting cables or hoses.**
- **Patented automatic height sensing system produces accurate bevel cuts and reduces scrap.**
- **Patented off-plate detection system protects the torches when cutting near plate edge.**
- **Programmable angle and lateral offset adjustment provides automatic positioning of side torches.**
- **Remote automatic torch ignition eliminates the need for climbing on the table to light the torch.**
- **Capable of cutting V, X, Y, and K bevel profiles for maximum versatility.**
- **Mechanical fuse torch collision system uses Z-Axis motorized lifter with a maximum stroke of 250 mm (9-3/4").**
- **Angle adjustment of 15° to 60°.**
- **Straight cuts up to 120 mm (4-3/4") with the center torch.**
- **Bevel cuts up to 80 mm (3-1/4") plate thickness.**

SYSTEM DESCRIPTION

DAF/L Oxyfuel Bevel Unit is capable of cutting a wide variety of bevel profiles in mild steel.

APPLICATION

Available on MPC2000 and TMC4500 DB machine models.



DAF/L cutting a K bevel.



Sample K cut part.

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