

THREE POSITION OXYFUEL BEVEL UNIT

Oxyfuel Bevel System with Manual Positioning

Messer Cutting Systems Three Position Oxyfuel Bevel Unit produces weld preparation edges on mild steel. Standard bevels including V, X, Y and K profiles are possible by manual adjustment of the torches. The unit can manually rotate between three fixed locations to cut linear entities in the longitudinal (X) and plus/minus cross (Y) directions. A patented automatic height sensing system is also included. This bevel system is ideally suited for applications requiring a bevel profile on rectangular plate.

FEATURES AND BENEFITS

- **Quick, manual rotation in +/- 90° increments.**
- **Patented automatic height sensing system produces accurate bevel cuts and reduces scrap.**
- **Patented off-plate detection system protects the torches when cutting near the plate edge.**
- **Manual adjustment of side torch angle, lateral offset and torch ignition.**
- **Capable of cutting V, X, Y & K bevel profiles for maximum versatility.**
- **Mechanical torch collision system prevents costly repair.**
- **Z-axis motorized lifter with a maximum stroke of 200 mm (7-3/4") or optional 300 mm (11-3/4").**
- **Angle adjustment of 15° to 45°.**
- **Straight cuts up to 305 mm (12") with the center torch.**



Thickness capacity is dependent upon bevel angle and bevel profile.

- » Bevel cuts up to 195 mm (7-3/4") plate thickness at 15°
- » Bevel cuts up to 185 mm (7-1/4") plate thickness at 22.5°
- » Bevel cuts up to 175 mm (6-7/8") plate thickness at 30°
- » Bevel cuts up to 140 mm (5-1/2") plate thickness at 45°

SYSTEM DESCRIPTION

Manually positioned oxyfuel bevel system capable of cutting a variety of bevel profiles in mild steel.

APPLICATION

Available on the Titan III, MPC2000 and TMC4500 DB machine models.



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