

MAXI-SPLICE ULTRA INSTALLATION

Ultra-duty belt splice for maximum tension elevator belt applications and thick belts.

BELT FASTENER INSTALLATION – ULTRA SPLICE (MAXIMUM DUTY)

1. Applications

The Ultra Splice is the highest-rated belt fastener, designed for maximum-tension elevator applications and belts up to 1" thickness. Features double-row pin pattern and reinforced steel plates.

2. Specifications

Belt thickness range	3/8" – 1"
Plate material	Hardened steel, zinc-plated
Pin pattern	Double row – staggered
Max operating tension	Per belt PIW rating × splice derating factor (0.90)
Min pulley diameter	20" head, 16" tail

3. Installation

1. Square-cut and verify both belt ends at 90°
2. Strip cover material 100mm each side of cut — expose full carcass
3. Clean belt surface — remove all contaminants
4. Position bottom plate — align centerline and belt edges
5. Install inner row of pins first (closest to belt center)
6. Install outer row of pins (staggered offset from inner row)
7. Position top plate — drive all pins flush
8. Torque in sequence: inner row center → outer row center → alternating outward
9. Install hinge pin and retaining clip
10. Test articulation through minimum pulley diameter

4. Inspection After Installation

- ☐ All pins seated flush — no protrusion above plate
- ☐ No gap between plates and belt (check with feeler gauge — max 0.5mm)
- ☐ Hinge pin retained with clip — cannot back out
- ☐ Splice flexes smoothly through pulley transition
- ☐ No belt distortion at splice area

☐ Torque verified on all bolts after initial run

ULTRA SPLICE SUPPLY

Uniking Canada supplies Ultra Splice kits and installation tools.

info@unikingcanada.com