

MAXI-SPLICE SUPER INSTALLATION

Heavy-duty belt splice installation for high-tension elevator belt applications.

BELT FASTENER INSTALLATION – SUPER SPLICE (HEAVY DUTY)

1. Applications

The Super Splice is designed for heavy-duty elevator belts operating at higher tensions. It features reinforced plates and larger pins for increased pull-through resistance.

2. Belt Requirements

Belt thickness range	1/4" – 3/4"
Minimum belt width	6" (narrower belts use standard splice)
Max operating tension	Per belt PIW rating × splice derating factor (0.85)
Pulley diameter minimum	16" head, 12" tail

3. Installation Procedure

1. Square-cut belt ends — verify 90° accuracy with square
2. Mark centerline on both belt ends
3. Strip top cover 75mm each side of cut (if covered belt) — expose carcass
4. Position bottom splice plate under belt — align centerline
5. Insert high-strength pins through bottom plate and belt — center first, alternate sides
6. Position top plate over pins — drive pins flush using installation tool
7. Torque all bolts in star pattern (center outward) to specification
8. Repeat for opposite belt end
9. Join halves with heavy-duty hinge pin
10. Install hinge pin retaining clip

4. Torque Sequence

STEP	ACTION	TORQUE
1	Hand-tighten all bolts	Finger tight
2	Torque center bolts	50% of spec
3	Torque alternating bolts outward	50% of spec
4	Final torque – center outward	100% of spec

5	Re-check after 24 hours of operation	100% of spec
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RE-TORQUE REQUIRED

After 24 hours of initial operation, re-torque all splice bolts to full specification. Belt compression settles during initial loading.

HEAVY-DUTY SPLICE SUPPORT

Uniking Canada supplies Super Splice kits for all belt sizes.

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