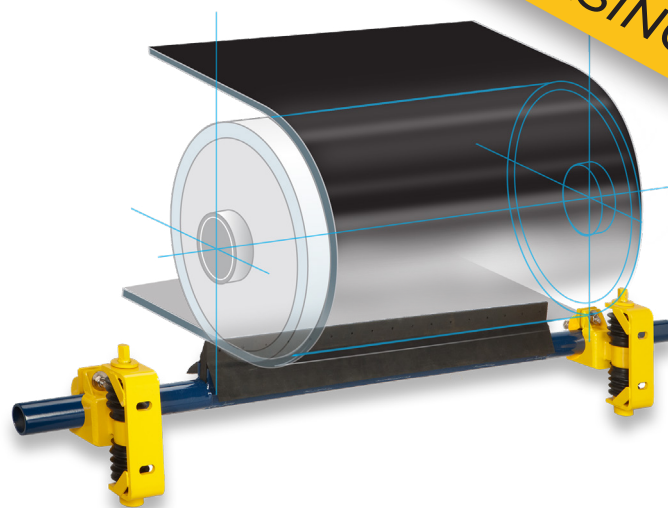


CONSISTENT BLADE-TO-BELT CONTACT

### BES1 Secondary Belt Cleaner

The BES1's design of one blade makes for quick blade replacement. With no spaces between blades, the uni-blade conforms easily to irregularities in the belt and minor belt cupping.

With a simple tensioning system, the Dual Rosta Arm tensioner allows clips to pass through as long as whatever is on the belt isn't protruding excessively high. Simple linear tensioning by a threaded rod is tensioned once for the blade's life.



#### FEATURES & BENEFITS

- Excellent for cupped or worn belts
- Blade Options: rubber with tungsten, rubber only, or urethane
- Belt Speed: 1000 ft/min. maximum
- Tensioner Options: Rosta or Pneumatic
- Threaded rods easily move the cleaner up to the belt or down for maintenance
- Blade arcs into the center as it wears to maintain continuous blade-to-belt contact

### Solid Polyurethane Blade Options

#### TRI-LAYER

Soft durometer center cleans moist material from belt surfaces while harder outside keeps the blade rigid and cleans hard material. For conveyors moving 450 to 800 feet per minute.

#### DUAL LAYER

Harder layer paired with a softer layer of rubber. The harder side cleans tough debris and the softer side removes moist material. For conveyors moving 450 ft. per minute.

#### CERAMIC BEAD

For heavy duty applications, the urethane is packed with ceramic beads making for a super tough blade style.

## BES1 FULL ASSEMBLY\*

| Belt Width   | RUBBER/<br>TUNGSTEN | RUBBER         | HIGH<br>TEMPERATURE | CERAMIC<br>BEAD | TRI-LAYER      | DUAL LAYER     |
|--------------|---------------------|----------------|---------------------|-----------------|----------------|----------------|
| 18" (450mm)  | BES1-018-1T11Z      | BES1-018-1R11Z | BES1-018-1HT1Z      | BES1-018-1CB1Z  | BES1-018-13L1Z | BES1-018-12L1Z |
| 24" (600mm)  | BES1-024-1T11Z      | BES1-024-1R11Z | BES1-024-1HT1Z      | BES1-024-1CB1Z  | BES1-024-13L1Z | BES1-024-12L1Z |
| 30" (750mm)  | BES1-030-1T11Z      | BES1-030-1R11Z | BES1-030-1HT1Z      | BES1-030-1CB1Z  | BES1-030-13L1Z | BES1-030-12L1Z |
| 36" (900mm)  | BES1-036-1T11Z      | BES1-036-1R11Z | BES1-036-1HT1Z      | BES1-036-1CB1Z  | BES1-036-13L1Z | BES1-036-12L1Z |
| 42" (1050mm) | BES1-042-1T12Z      | BES1-042-1R12Z | BES1-042-1HT2Z      | BES1-042-1CB2Z  | BES1-042-13L2Z | BES1-042-12L2Z |
| 48" (1200mm) | BES1-048-1T12Z      | BES1-048-1R12Z | BES1-048-1HT2Z      | BES1-048-1CB2Z  | BES1-048-13L2Z | BES1-048-12L2Z |
| 54" (1350mm) | BES1-054-1T13Z      | BES1-054-1R13Z | BES1-054-1HT3Z      | BES1-054-1CB3Z  | BES1-054-13L3Z | BES1-054-12L3Z |
| 60" (1500mm) | BES1-060-1T13Z      | BES1-060-1R13Z | BES1-060-1HT3Z      | BES1-060-1CB3Z  | BES1-060-13L3Z | BES1-060-12L3Z |
| 72" (1800mm) | BES1-072-1T13Z      | BES1-072-1R13Z | BES1-072-1HT3Z      | BES1-072-1CB3Z  | BES1-072-13L3Z | BES1-072-12L3Z |
| 84" (2133mm) | BES1-084-1T13Z      | BES1-084-1R13Z | BES1-084-1HT3Z      | BES1-084-1CB3Z  | BES1-084-13L3Z | BES1-084-12L3Z |

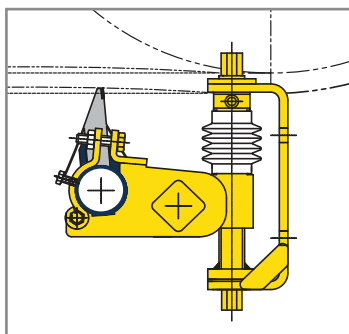
\*Stainless steel option available for both poles and tensioners

## BES1 BLADE

| Belt Width   | RUBBER/<br>TUNGSTEN | RUBBER        | HIGH<br>TEMPERATURE | CERAMIC<br>BEAD | TRI-LAYER     | DUAL LAYER    |
|--------------|---------------------|---------------|---------------------|-----------------|---------------|---------------|
| 18" (450mm)  | BES1T-018-1T1       | BES1R-018-1R1 | BES1U-018-1HT       | BES1C-018-1CB   | BES1U-018-13L | BES1U-018-12L |
| 24" (600mm)  | BES1U-024-1T1       | BES1R-024-1R1 | BES1U-024-1HT       | BES1C-024-1CB   | BES1U-024-13L | BES1U-024-12L |
| 30" (750mm)  | BES1U-030-1T1       | BES1R-030-1R1 | BES1U-030-1HT       | BES1C-030-1CB   | BES1U-030-13L | BES1U-030-12L |
| 36" (900mm)  | BES1U-036-1T1       | BES1R-036-1R1 | BES1U-036-1HT       | BES1C-036-1CB   | BES1U-036-13L | BES1U-036-12L |
| 42" (1050mm) | BES1U-042-1T1       | BES1R-042-1R1 | BES1U-042-1HT       | BES1C-042-1CB   | BES1U-042-13L | BES1U-042-12L |
| 48" (1200mm) | BES1U-048-1T1       | BES1R-048-1R1 | BES1U-048-1HT       | BES1C-048-1CB   | BES1U-048-13L | BES1U-048-12L |
| 54" (1350mm) | BES1U-054-1T1       | BES1R-054-1R1 | BES1U-054-1HT       | BES1C-054-1CB   | BES1U-054-13L | BES1U-054-12L |
| 60" (1500mm) | BES1U-060-1T1       | BES1R-060-1R1 | BES1U-060-1HT       | BES1C-060-1CB   | BES1U-060-13L | BES1U-060-12L |
| 72" (1800mm) | BES1U-072-1T1       | BES1R-072-1R1 | BES1U-072-1HT       | BES1C-072-1CB   | BES1U-072-13L | BES1U-072-12L |
| 84" (2133mm) | BES1U-084-1T1       | BES1R-084-1R1 | BES1U-084-1HT       | BES1C-084-1CB   | BES1U-084-13L | BES1U-084-12L |

## BES1 TENSIONER

| Belt Width  | Tensioner Type (pair) | PART NO. |
|-------------|-----------------------|----------|
| 18" to 36"  | Dual Rosta Level 1    | BSTZ100  |
| 42" to 48"  | Dual Rosta Level 2    | BSTZ200  |
| 54" & Above | Dual Rosta Level 3    | BSTZ300  |



Installation Schematic



Modular Design



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