

RDP1 Diagonal Plow

A "Belt Cleaner" for the Tail Pulley

The Diagonal Plow cleans the belt in front of the tail pulley. It keeps lumps, rocks and other fugitive materials out of the tail pulley where they could cause damage to the belt, the mechanical splice, the lagging or the pulley. This is the versatile, economical solution for protecting the tail pulley, drive pulley, or gravity take-up pulleys from carryback materials.



Simple and quick
installation and
blade replacement



Easy adjustment with the
threaded bolt for constant
blade-to-belt contact



Innovative design
cleans the belt quickly and
provides a long wear life



Quickly and efficiently
the leading edge lifts and
'spirals' debris and water
off the belt

Features and Benefits

- **Reduces belt mistracking.** Material build-up on a pulley causes belt mistracking problems which can lead to other problems on the conveyor. The RDP1 Diagonal Plow removes those materials before they get into the pulley and begin building up.
- **Discharges to either side of the belt.** The plow can be angled to discharge materials to either side of the belt, making it as convenient as possible for cleanup.
- **Can be used anywhere on the beltline.** The RDP1 Diagonal Plow can be installed on the side of the return belt anywhere there is a problem with materials falling onto the belt. Many times it is installed just behind the head pulley to dump carryback before it travels down the beltline.
- **Economical.** Durability and budget-conscious pricing make the Diagonal Plow very versatile. Replacement blades are also low cost.

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Specifications and Guidelines

- **Maximum Belt Speed**
3.5 m/s (700 FPM)
- **Temperature Rating**
-40° C to 71° C (-40°F to 160° F)
- **Blade Material**
UHMWPE 67-D durometer
- **Belt Direction**
One Way
- **Available for Belt Widths**
450 to 2100mm (18" to 84")
- **Grease and Chemical Resistance**
Excellent
- **Sticky Material Performance**
Excellent

Ordering Information

| <i>Diagonal Plows</i> | | | | |
|-----------------------|------------|-------|-----------------|-----------|
| Size | Belt Width | | Ordering Number | Item Code |
| | mm | in. | | |
| Small | 450-750 | 18-30 | RDP1-S | 81363 |
| Medium | 900-1050 | 36-42 | RDP1-M | 81364 |
| Large | 1200-1500 | 48-60 | RDP1-L | 81365 |
| Extra Large | 1800-2100 | 72-84 | RDP1-XL | 81366 |

| <i>Replacement Blade Kits</i> | | | | |
|-------------------------------|------------|-------|-----------------|-----------|
| Size | Belt Width | | Ordering Number | Item Code |
| | mm | in. | | |
| Small | 450-750 | 18-30 | RDPBK-S | 74699 |
| Medium | 900-1050 | 36-42 | RDPBK-M | 74700 |
| Large | 1200-1500 | 48-60 | RDPBK-L | 74701 |
| Extra Large | 1800-2100 | 72-84 | RDPBK-XL | 74702 |

Additional Information

Use in combination with a precleaner and secondary cleaner for the most effective cleaning solution.



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