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## Product Information Sheet

### Razer Vee Ploughs

#### Function

Build up on pulley shells by fugitive material is a major cause for conveyor belt damage, slippage and poor tracking. Effective cleaning of the belt return strand topside by a Razer Vee Plough reduces or eliminates this occurrence and reduces conveyor maintenance costs.

- > To dispose of fugitive product from the belt return strand and prevent it adhering to Take Up, Head and Tail pulley faces.



#### Advantages

- > Razer Industries is a 100% Australian owned and operated company.
- > Floats on the belt cover and requires minimal adjustment throughout the life of the plough blades.
- > Separate Moulded Polyurethane Nose with 25mm Radius for better impact absorption.
- > 100% Stainless Steel construction including all fasteners.
- > Replacement blades are not handed, enabling reduced stock holding.
- > Support arms are greaseable to maintain the "Floating" action over the life of the plough.
- > Low maintenance costs facilitated by rapid blade change times.

#### Applications

- > Should be mounted before tail pulleys and prior to horizontal or gravity take up mechanisms.
- > Is not suitable for reversing conveyor systems.
- > Not to be installed in any position where the belt is likely to run in reverse over the plough blades.



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## Product Information Sheet

### Razer FailSafe™ Vee Plough

#### Function

Build up on pulley shells by fugitive material is a major cause for conveyor belt damage, slippage and poor tracking. Effective cleaning of the belt return strand topside by a Razer FailSafe Vee Plough reduces or eliminates this occurrence and reduces conveyor maintenance costs.

- > To dispose of fugitive product from the belt return strand and prevent it adhering to take up, head and tail pulley faces.



#### Advantages

- > The Rhomboid formed by the dual poles and their connection to the vee plough head ensures that the plough is aligned to the belt at all times throughout the blade wear life.
- > Four point mounting ensures greater stability of the plough preventing any nose dive as a result of impact.
- > Plough Failsafe Mechanism limits the travel of the plough head ensuring that only the blades contact the belt.
- > The plough head floats on the belt cover and requires zero adjustment throughout the life of the plough blades.
- > Separate Moulded Polyurethane Nose with 25mm Radius for better impact absorption.
- > 100% Stainless Steel construction including all fasteners.
- > Replacement blades are not handed enabling reduced stock holding.
- > Support arms are greaseable to maintain the "Floating" action over the life of the plough.
- > Low maintenance costs facilitated by rapid blade change times.

#### Applications

- > Should be mounted before tail pulleys and prior to horizontal or gravity take up mechanisms.
- > Is not suitable under any circumstances for reversing conveyor systems.
- > Not to be installed in any position where the belt is likely to run in reverse over the plough blades.



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## Razer Floating Standard Ploughs

### Stainless Ploughs

- > Razer holds stock of stainless steel standard duty Floating 'V' Ploughs.
- > Delivery of stainless steel 'FailSafe', Heavy Duty Vee Ploughs & Diagonal Reversing Ploughs is subject to manufacturing forward loads but generally not exceeding 15 working days.



### Floating Heavy Duty 'V' Ploughs

| Belt Width (mm) | Part Number | Wt Kg's |
|-----------------|-------------|---------|
| 450             | RVP-0450-S  | 19.70   |
| 600             | RVP-0600-S  | 22.50   |
| 750             | RVP-0750-S  | 24.20   |
| 900             | RVP-0900-S  | 26.50   |
| 1050            | RVP-1050-S  | 27.60   |
| 1200            | RVP-1200-S  | 29.80   |
| 1400            | RVP-1400-S  | 31.30   |
| 1500            | RVP-1500-S  | 35.20   |
| 1600            | RVP-1600-S  | 39.30   |
| 1700            | RVP-1700-S  | 41.50   |

Please note:

- > Prices exclude GST.
- > Prices are FOT Warners Bay NSW Australia.
- > Alternative finishes are available by request.

### Floating Standard Duty Plough - Spare Parts

| Description           | Part Number       | Wt Kg's |
|-----------------------|-------------------|---------|
| Turnbuckle            | RVP-TB            | 0.15    |
| Nose Section          | RVP-N1            | 0.25    |
| Link Arm              | RVP-LA48-S        | 2.20    |
| Mounting Bracket      | RVP-MB48-S        | 1.55    |
| Pole Locking Collar   | RVP-C48-S         | 0.50    |
| Nose Support Collar   | RVP-NS48-S        | 0.25    |
| Stainless Cover Plate | RVP-CP0450-CP1800 | Var     |

| Poles           |               |         | Floating 'V' Frames |         | 2.50'V' Plough Blades |         |
|-----------------|---------------|---------|---------------------|---------|-----------------------|---------|
| Belt Width (mm) | Part No. RVP- | Wt Kg's | Part No. RVP-       | Wt Kg's | Part No. RVP-         | Wt Kg's |
| 450             | P0450-S       | 4.04    | MF0450-S            | 4.41    | 0450-B                | 0.60    |
| 600             | P0600-S       | 4.85    | MF0600-S            | 5.72    | 0600-B                | 0.75    |
| 750             | P0750-S       | 4.85    | MF0750-S            | 7.15    | 0750-B                | 0.95    |
| 900             | P0900-S       | 6.07    | MF0900-S            | 8.45    | 0900-B                | 1.30    |
| 1050            | P01050-S      | 6.07    | MF1050-S            | 9.76    | 1050-B                | 1.55    |
| 1200            | P01200-S      | 7.28    | MF1200-S            | 11.1    | 1200-B                | 1.70    |
| 1400            | P01400-S      | 8.69    | MF1400-S            | 12.81   | 1400-B                | 1.85    |
| 1500            | P01500-S      | 8.69    | MF1500-S            | 13.69   | 1500-B                | 2.00    |
| 1600            | P01600-S      | 8.69    | MF1600-S            | 14.55   | 1600-B                | 2.25    |
| 1800            | P01800-S      | 9.71    | MF1800-S            | 16.63   | 1800-B                | 2.50    |





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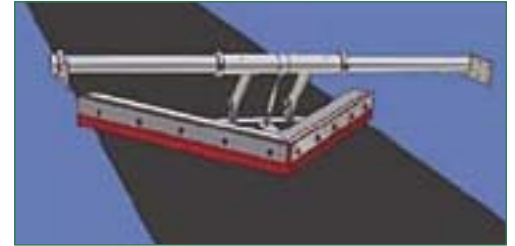
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## Razer Floating Heavy Duty Ploughs

### Stainless Ploughs

- > Razer holds stock of stainless steel standard Duty Floating 'V' Ploughs.
- > Delivery of Stainless Steel 'FailSafe', Heavy Duty Vee Ploughs & Diagonal Reversing Ploughs is subject to manufacturing forward loads but generally not exceeding 15 working days.



### Floating Heavy Duty 'V' Ploughs

| Belt Width (mm) | Part Number | Wt Kg's |
|-----------------|-------------|---------|
| 1600            | RVPHD-1600  | 65.0    |
| 1800            | RVPHD-1800  | 71.2    |
| 2000            | RVPHD-2000  | 78.9    |
| 2200            | RVPHD-2200  | 83.4    |
| 2400            | RVPHD-2400  | 89.2    |
| 2500            | RVPHD-2500  | 93.4    |

Please note:

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- > Alternative finishes are available by request.

### Floating Heavy Duty Plough - Spare Parts

| Description           | Part Number                        | Wt Kg's |
|-----------------------|------------------------------------|---------|
| Turnbuckle            | RVP-TB-HD                          | 0.22    |
| Nose Section          | RVP-NS-HD                          | 0.33    |
| Link Arm              | RVP-LA73-HD                        | 3.00    |
| Mounting Bracket      | RVP-MB-HD                          | 2.50    |
| Pole Locking Collar   | RVP-C-HD                           | 0.75    |
| Nose Support Collar   | RVP-NSC-HD                         | 0.35    |
| Stainless Cover Plate | RVP-CP1600HD – CP2500-HD (Per Set) | Var     |

| Poles           |               |         | Floating 'V' Frames |         | 'V' Plough Blades |         |
|-----------------|---------------|---------|---------------------|---------|-------------------|---------|
| Belt Width (mm) | Part No. RVP- | Wt Kg's | Part No. RVP-       | Wt Kg's | Part No. RVP-     | Wt Kg's |
| 1600            | P1600-HD      | 24.79   | MF1600-HD           | 68.82   | 1600-B-HD         | 3.37    |
| 1800            | P1800-HD      | 27.05   | MF1800-HD           | 75.07   | 1800-B-HD         | 3.80    |
| 2000            | P2000-HD      | 29.30   | MF2000-HD           | 81.31   | 2000-B-HD         | 4.22    |
| 2200            | P2200-HD      | 31.56   | MF2200-HD           | 87.55   | 2200-B-HD         | 4.64    |
| 2400            | P2400-HD      | 33.81   | MF2400-HD           | 93.79   | 2400-B-HD         | 5.06    |
| 2500            | P2500-HD      | 34.94   | MF2500-HD           | 98.90   | 2500-B-HD         | 5.48    |





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## Razer 'FailSafe' Standard Ploughs

### Stainless Ploughs

- > Razer holds stock of stainless steel standard duty Floating 'V' Ploughs.
- > Delivery of stainless steel 'FailSafe', Heavy Duty Vee Ploughs & Diagonal Reversing Ploughs is subject to manufacturing forward loads but generally not exceeding 15 working days.



### FailSafe Standard Duty 'V' Plough

| Belt Width (mm) | Part Number | Wt Kg's |
|-----------------|-------------|---------|
| 600             | RVP-DP0600  | 32.31   |
| 750             | RVP-DP0750  | 35.32   |
| 900             | RVP-DP0900  | 39.05   |
| 1050            | RVP-DP1050  | 41.45   |
| 1200            | RVP-DP1200  | 44.96   |
| 1400            | RVP-DP1400  | 47.78   |
| 1500            | RVP-DP1500  | 53.41   |
| 1600            | RVP-DP1600  | 58.39   |
| 1800            | RVP-DP1800  | 61.45   |

Please note:

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- > Prices are FOT Warners Bay NSW Australia.
- > Alternative finishes are available by request.

### FailSafe Standard Duty Plough - Spare Parts

| Description              | Part Number           | Wt Kg's |
|--------------------------|-----------------------|---------|
| Failsafe Mechanism       | RVP-FSMECH            | 0.47    |
| Nose Section             | RVP-NS                | 0.25    |
| Leading Dual Link Arm    | RVP-DPLA              | 3.90    |
| Trailing Single Link Arm | RVP-DPLA48            | 2.20    |
| Mounting Bracket         | RVP-MB                | 1.55    |
| Pole Spacer              | RVP-DPS0600—DPS1800   | 1.15    |
| Stainless Cover Plate    | RVP-DPCP0600—DPCP1800 | Var     |
| Pole Locking Collar      | RVP-C48-S             | 0.50    |

| Poles           |               |         | Failsafe 'V' Frames |         | Failsafe Std 'V' Plough Blades |         |
|-----------------|---------------|---------|---------------------|---------|--------------------------------|---------|
| Belt Width (mm) | Part No. RVP- | Wt Kg's | Part No. RVP-       | Wt Kg's | Part No. RVP-                  | Wt Kg's |
| 600             | DP0600        | 4.85    | DPMF0600            | 6.72    | DP0600-B                       | 0.75    |
| 750             | DP0750        | 4.85    | DPMF0750            | 8.15    | DP0750-B                       | 0.95    |
| 900             | DP0900        | 6.07    | DPMF0900            | 9.45    | DP0900-B                       | 1.30    |
| 1050            | DP1050        | 6.07    | DPMF1050            | 10.76   | DP1050-B                       | 1.55    |
| 1200            | DP1200        | 7.28    | DPMF1200            | 12.08   | DP1200-B                       | 1.70    |
| 1400            | DP1400        | 8.69    | DPMF1400            | 13.81   | DP1400-B                       | 1.85    |
| 1500            | DP1500        | 8.69    | DPMF1500            | 14.69   | DP1500-B                       | 2.00    |
| 1600            | DP1600        | 8.69    | DPMF1600            | 15.55   | DP1600-B                       | 2.25    |
| 1800            | DP1800        | 9.71    | DPMF1800            | 17.63   | DP1800-B                       | 2.50    |



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## Razer 'FailSafe' Heavy Duty Ploughs

### Stainless Ploughs

- > Razer holds stock of stainless steel standard duty Floating 'V' Ploughs.
- > Delivery of stainless steel 'FailSafe', Heavy Duty Vee Ploughs & Diagonal Reversing Ploughs is subject to manufacturing forward loads but generally not exceeding 15 working days.



### FailSafe Heavy Duty 'V' Plough

| Belt Width (mm) | Part Number | Wt Kg's |
|-----------------|-------------|---------|
| 1600            | RVPHD-1600  | 105.75  |
| 1800            | RVPHD-1800  | 114.24  |
| 2000            | RVPHD-2000  | 122.74  |
| 2200            | RVPHD-2200  | 131.23  |
| 2400            | RVPHD-2400  | 139.73  |
| 2500            | RVPHD-2500  | 145.97  |
| 1500            | RVP-DP1500  | 53.41   |
| 1600            | RVP-DP1600  | 58.39   |
| 1800            | RVP-DP1800  | 61.45   |

Please note:

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- > Alternative finishes are available by request.

### FailSafe Heavy Duty Plough - Spare Parts

| Description              | Part Number                               | Wt Kg's |
|--------------------------|---|---------|
| Failsafe Mechanism       | RVP-FSMECH-HD                             | 0.68    |
| Pole Retaining Collar    | RVP-DP-LC-HD                              | 0.75    |
| Leading Dual Link Arm    | RVP-DP-TLA-HD                             | 4.70    |
| Trailing Single Link Arm | RVP-DP-LA-HD                              | 3.00    |
| Mounting Bracket         | RVP-DP-MB-HD                              | 2.50    |
| Pole Spacer              | RVP-DPS1600-HD—DPS2500-HD                 | 1.75    |
| Stainless Cover Plate    | RVP-DPCP1600-HD<br>—DPCP2500-HD (Per Set) | Var     |
| Pole Locking Collar      | RVP-C48-S                                 | 0.50    |

| Poles           |               |         | Failsafe HD 'V' Frames |         | Failsafe HD Plough Blades |         |
|-----------------|---------------|---------|------------------------|---------|---------------------------|---------|
| Belt Width (mm) | Part No. RVP- | Wt Kg's | Part No RVP-           | Wt Kg's | Part No. RVP-             | Wt Kg's |
| 1600            | DP1600-HD     | 24.79   | DPMF1600HD             | 68.82   | HDDP1600-B                | 3.37    |
| 1800            | DP1800-HD     | 27.05   | DPMF1800HD             | 75.07   | HDDP1800-B                | 3.80    |
| 2000            | DP2000-HD     | 29.30   | DPMF2000HD             | 81.31   | HDDP2000-B                | 4.22    |
| 2200            | DP2200-HD     | 31.56   | DPMF2200HD             | 87.55   | HDDP2200-B                | 4.64    |
| 2400            | DP2400-HD     | 33.81   | DPMF2400HD             | 93.79   | HDDP2400-B                | 5.06    |
| 2500            | DP2500-HD     | 34.94   | DPMF2500HD             | 98.90   | HDDP2500-B                | 5.48    |





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## Product Information Sheet

### Razer Diagonal Ploughs

#### Function

To remove the fugitive material from the return strand of the conveyor belts.

- > To dispose of fugitive product from the belt return strand and prevent it adhering to take up, Head and Tail pulley faces.
- > To deposit all material removed to one side of the conveyor to facilitate ease of cleaning.

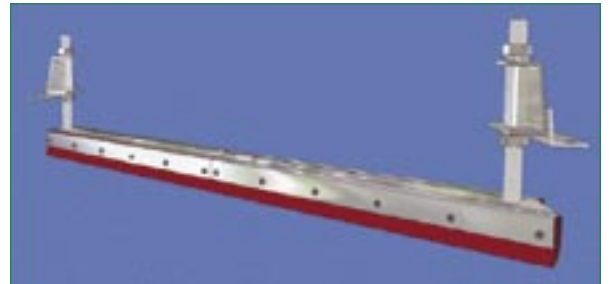
#### Advantages

Build up on pulley shells by fugitive material is a major cause for conveyor belt damage, slippage and poor tracking. Effective cleaning of the belt return strand topside by a Razer Diagonal Plough reduces or eliminates this occurrence and reduces conveyor maintenance costs.

- > Razer Industries is a 100% Australian owned and operated company.
- > Floats over the belt cover and requires minimal adjustment throughout the life of the plough blades.
- > Low maintenance costs due to rapid blade change times.
- > Replacement blades are available in kit form as made to measure items requiring no workshop preparation prior to fitting.
- > Can be installed to discharge removed product to either side of the conveyor.
- > Will run effectively on single direction and reversing conveyor belts.

#### Applications

- > Should be mounted before tail pulleys and prior to horizontal or gravity take up mechanisms.



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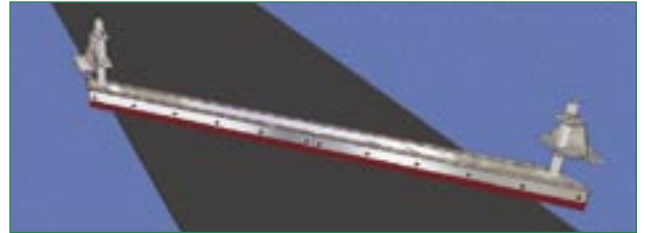
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## Razer Diagonal Reversing Ploughs

### Stainless Ploughs

- > Razer holds stock of stainless steel standard duty Floating 'V' Ploughs.
- > Delivery of stainless steel 'FailSafe', Heavy Duty Vee Ploughs & Diagonal Reversing Ploughs is subject to manufacturing forward loads but generally not exceeding 15 working days.



### Diagonal Reversing Plough

| Belt Width (mm) | Part Number   | Wt Kg's |
|-----------------|---------------|---------|
| 0600—0750       | RRP-0600-0750 | 32.5    |
| 0900—1050       | RRP-0900-1050 | 38.0    |
| 1200—1500       | RRP-1200-1500 | 57.3    |
| 1600—1800       | RRP-1600-1800 | 59.1    |

Please note:

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- > Alternative finishes are available by request.

