



# 2500 Series In-Row Ripper Specifications

Auto-Reset Spring Shanks, Non-Folding Units

| Product Attributes          | 2511N-3-30  | 2511N-4-30  | 2511N-5-30  | 2512-5-30   | 2512-6-30   | 2512-7-30   |
|-----------------------------|---|---|---|---|---|---|
| Approximate Weight          | 3,357 lbs. (1,523 kg)   | 3,849 lbs. (1,746 kg)   | 4,725 lbs. (2,143 kg)   | 6,398 lbs. (2,902 kg)   | 8,209 lbs. (3,724 kg)   | 9,406 lbs. (4,266 kg)   |
| Working Width               | 7 ft. 6 in. (2.3 m)   | 10 ft. 0 in. (3.0 m)  | 12 ft. 6 in. (3.8 m)  | 12 ft. 6 in. (3.8 m)  | 15 ft. 0 in. (4.6 m)  | 17 ft. 6 in. (5.3 m)  |
| Transport Width             | 9 ft. 3 in. (2.8 m)   | 9 ft. 3 in. (2.8 m)   | 12 ft. 0 in. (3.7 m)  | 11 ft. 6 in. (3.5 m)  | 13 ft. 5 in. (4.1 m)  | 15 ft. 11 in. (4.9 m)   |
| Frame Type                  | Narrow Non-Folding  | Narrow Non-Folding  | Narrow Non-Folding  | Standard Non-Folding  | Standard Non-Folding  | Standard Non-Folding  |
| Frame Structure             | 6 in. x 4 in. (152 x 102 mm)<br>Double Bar Frame  | 6 in. x 4 in. (152 x 102 mm)<br>Double Bar Frame  | 6 in. x 4 in. (152 x 102 mm)<br>Double Bar Frame  | 6 in. x 6 in. x 0.5 in. (152 x 152 x 13 mm)<br>Rear Frame<br>6 in. x 4 in. x 0.5 in. (152 x 102 x 13 mm)<br>Front Frame   | 6 in. x 6 in. x 0.5 in. (152 x 152 x 13 mm)<br>Rear Frame<br>6 in. x 4 in. x 0.5 in. (152 x 102 x 13 mm)<br>Front Frame   | 6 in. x 6 in. x 0.5 in. (152 x 152 x 13 mm)<br>Rear Frame<br>6 in. x 4 in. x 0.5 in. (152 x 102 x 13 mm)<br>Front Frame   |
| Frame Construction          | Laser Cut Components;<br>Robotically Welded   | Laser Cut Components;<br>Robotically Welded   | Laser Cut Components;<br>Robotically Welded   | Laser Cut Components;<br>Robotically Welded   | Laser Cut Components;<br>Robotically Welded   | Laser Cut Components;<br>Robotically Welded   |
| Frame Extensions            | None  | None  | 12 in. (305 mm) Bolt-On   | None  | 12 in. (305 mm) Bolt-On   | 27 in. (686 mm) Bolt-On   |
| Coulter Assemblies          | Standard  | Standard  | Standard  | Standard  | Standard  | Standard  |
| Number of Coulters          | 3   | 4   | 5   | 5   | 6   | 7   |
| Coulter Blade Diameter      | 22 in. (559 mm) Smooth Blade (Standard)   | 22 in. (559 mm) Smooth Blade (Standard)   | 22 in. (559 mm) Smooth Blade (Standard)   | 22 in. (559 mm) Smooth Blade (Standard)   | 22 in. (559 mm) Smooth Blade (Standard)   | 22 in. (559 mm) Smooth Blade (Standard)   |
| Coulter Protection          | Adjustable Spring Cushion   | Adjustable Spring Cushion   | Adjustable Spring Cushion   | Adjustable Spring Cushion   | Adjustable Spring Cushion   | Adjustable Spring Cushion   |
| Coulter Down Pressure       | 600 lbs. (272 kg)   | 600 lbs. (272 kg)   | 600 lbs. (272 kg)   | 600 lbs. (272 kg)   | 600 lbs. (272 kg)   | 600 lbs. (272 kg)   |
| Coulter Trip Height         | 6 in. (152 mm)  | 6 in. (152 mm)  | 6 in. (152 mm)  | 6 in. (152 mm)  | 6 in. (152 mm)  | 6 in. (152 mm)  |
| 22 in. Ripple Coulter       | Optional  | Optional  | Optional  | Optional  | Optional  | Optional  |
| 22 in. Pyramid Coulter      | Optional  | Optional  | Optional  | Optional  | Optional  | Optional  |
| Number of Shanks            | 3   | 4   | 5   | 5   | 6   | 7   |
| Shank Type                  | Auto-Reset Spring Shank   | Auto-Reset Spring Shank   | Auto-Reset Spring Shank   | Auto-Reset Spring Shank   | Auto-Reset Spring Shank   | Auto-Reset Spring Shank   |
| Shank Leg Type*             | 1.25 in. x 5 in. x 36 in.<br>(32.8 x 127 x 914 mm) Straight Leg Shank<br>1.25 in. x 4 in. x 36 in.<br>(32.8 x 102 x 914 mm) Parabolic Shank<br>0.75 in. x 5 in. x 32 in. (19 x 127 x 813 mm)<br>Low Disturbance Shank | 1.25 in. x 5 in. x 36 in.<br>(32.8 x 127 x 914 mm) Straight Leg Shank<br>1.25 in. x 4 in. x 36 in.<br>(32.8 x 102 x 914 mm) Parabolic Shank<br>0.75 in. x 5 in. x 32 in. (19 x 127 x 813 mm)<br>Low Disturbance Shank | 1.25 in. x 5 in. x 36 in.<br>(32.8 x 127 x 914 mm) Straight Leg Shank<br>1.25 in. x 4 in. x 36 in.<br>(32.8 x 102 x 914 mm) Parabolic Shank<br>0.75 in. x 5 in. x 32 in. (19 x 127 x 813 mm)<br>Low Disturbance Shank | 1.25 in. x 5 in. x 36 in.<br>(32.8 x 127 x 914 mm) Straight Leg Shank<br>1.25 in. x 4 in. x 36 in.<br>(32.8 x 102 x 914 mm) Parabolic Shank<br>0.75 in. x 5 in. x 32 in. (19 x 127 x 813 mm)<br>Low Disturbance Shank | 1.25 in. x 5 in. x 36 in.<br>(32.8 x 127 x 914 mm) Straight Leg Shank<br>1.25 in. x 4 in. x 36 in.<br>(32.8 x 102 x 914 mm) Parabolic Shank<br>0.75 in. x 5 in. x 32 in. (19 x 127 x 813 mm)<br>Low Disturbance Shank | 1.25 in. x 5 in. x 36 in.<br>(32.8 x 127 x 914 mm) Straight Leg Shank<br>1.25 in. x 4 in. x 36 in.<br>(32.8 x 102 x 914 mm) Parabolic Shank<br>0.75 in. x 5 in. x 32 in. (19 x 127 x 813 mm)<br>Low Disturbance Shank |
| Shank Spacing               | 30 in. (762 mm)   | 30 in. (762 mm)   | 30 in. (762 mm)   | 30 in. (762 mm)   | 30 in. (762 mm)   | 30 in. (762 mm)   |
| Maximum Shank Working Depth | 16 in. (406 mm)   | 16 in. (406 mm)   | 16 in. (406 mm)   | 16 in. (406 mm)   | 16 in. (406 mm)   | 16 in. (406 mm)   |
| Shank Trip Height           | 16 in. (406 mm)   | 16 in. (406 mm)   | 16 in. (406 mm)   | 16 in. (406 mm)   | 16 in. (406 mm)   | 16 in. (406 mm)   |
| Point Load                  | 2,300 lbs. (1,043 kg)   | 2,300 lbs. (1,043 kg)   | 2,300 lbs. (1,043 kg)   | 2,300 lbs. (1,043 kg)   | 2,300 lbs. (1,043 kg)   | 2,300 lbs. (1,043 kg)   |
| Under Frame Clearance       | 40.5 in. (1.0 m)  | 40.5 in. (1.0 m)  | 40.5 in. (1.0 m)  | 40.5 in. (1.0 m)  | 40.5 in. (1.0 m)  | 40.5 in. (1.0 m)  |

\*Units are equipped with choice of Straight Leg Shanks, Parabolic Shanks or Low Disturbance Shanks. Points and Wearstrips listed as Standard are included with each respective shank choice, unless Optional equipment is chosen.



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|---------------------------------------|---|---|---|---|---|---|
| Points for Straight Leg Shanks        | 2 in. (50.8 mm) V-Shaped Cast C.A.D.I. Point (Standard) | 2 in. (50.8 mm) V-Shaped Cast C.A.D.I. Point (Standard) | 2 in. (50.8 mm) V-Shaped Cast C.A.D.I. Point (Standard) | 2 in. (50.8 mm) V-Shaped Cast C.A.D.I. Point (Standard) | 2 in. (50.8 mm) V-Shaped Cast C.A.D.I. Point (Standard) | 2 in. (50.8 mm) V-Shaped Cast C.A.D.I. Point (Standard) |
| Wearstrips for Straight Leg Shanks    | C.A.D.I. Reversible Wearstrip (Standard)                | C.A.D.I. Reversible Wearstrip (Standard)                | C.A.D.I. Reversible Wearstrip (Standard)                | C.A.D.I. Reversible Wearstrip (Standard)                | C.A.D.I. Reversible Wearstrip (Standard)                | C.A.D.I. Reversible Wearstrip (Standard)                |
| Points for Parabolic Shanks           | 2.375 in. (60.3 mm) V-Cap C.A.D.I. Point (Standard)     | 2.375 in. (60.3 mm) V-Cap C.A.D.I. Point (Standard)     | 2.375 in. (60.3 mm) V-Cap C.A.D.I. Point (Standard)     | 2.375 in. (60.3 mm) V-Cap C.A.D.I. Point (Standard)     | 2.375 in. (60.3 mm) V-Cap C.A.D.I. Point (Standard)     | 2.375 in. (60.3 mm) V-Cap C.A.D.I. Point (Standard)     |
|                                       | Shark Fin Point (Optional)                              | Shark Fin Point (Optional)                              | Shark Fin Point (Optional)                              | Shark Fin Point (Optional)                              | Shark Fin Point (Optional)                              | Shark Fin Point (Optional)                              |
|                                       | 7 in. (178 mm) Wing Point (Optional)                    | 7 in. (178 mm) Wing Point (Optional)                    | 7 in. (178 mm) Wing Point (Optional)                    | 7 in. (178 mm) Wing Point (Optional)                    | 7 in. (178 mm) Wing Point (Optional)                    | 7 in. (178 mm) Wing Point (Optional)                    |
| Wearstrips for Parabolic Shanks       | C.A.D.I. Wearstrip (Standard)                           | C.A.D.I. Wearstrip (Standard)                           | C.A.D.I. Wearstrip (Standard)                           | C.A.D.I. Wearstrip (Standard)                           | C.A.D.I. Wearstrip (Standard)                           | C.A.D.I. Wearstrip (Standard)                           |
| Points for Low Disturbance Shanks     | 2 in. (50.8 mm) V-Shaped Cast Point (Standard)          | 2 in. (50.8 mm) V-Shaped Cast Point (Standard)          | 2 in. (50.8 mm) V-Shaped Cast Point (Standard)          | 2 in. (50.8 mm) V-Shaped Cast Point (Standard)          | 2 in. (50.8 mm) V-Shaped Cast Point (Standard)          | 2 in. (50.8 mm) V-Shaped Cast Point (Standard)          |
| Wearstrips for Low Disturbance Shanks | 0.75 in. (19 mm) Wearstrip (Standard)                   | 0.75 in. (19 mm) Wearstrip (Standard)                   | 0.75 in. (19 mm) Wearstrip (Standard)                   | 0.75 in. (19 mm) Wearstrip (Standard)                   | 0.75 in. (19 mm) Wearstrip (Standard)                   | 0.75 in. (19 mm) Wearstrip (Standard)                   |
| Gauge Wheels                          | (2) Standard  | (2) Standard  | (2) Standard  | (2) Standard  | (2) Standard  | (2) Standard  |
| Gauge Wheel Type                      | Turnbuckle Adjustable                                   | Turnbuckle Adjustable                                   | Turnbuckle Adjustable                                   | Turnbuckle Adjustable                                   | Turnbuckle Adjustable                                   | Turnbuckle Adjustable                                   |
| Gauge Wheel Hubs                      | 6-Bolt  | 6-Bolt  | 6-Bolt  | 6-Bolt  | 6-Bolt  | 6-Bolt  |
| Gauge Wheel Tire Size                 | HD 280/70R x 15   | HD 280/70R x 15   | HD 280/70R x 15   | HD 280/70R x 15   | HD 280/70R x 15   | HD 280/70R x 15   |
| Three-Point Hitch                     | Cat. II, IIIN   | Cat. II, IIIN   | Cat. II, IIIN   | Cat. III, IV  | Cat. III, IV  | Cat. III, IV  |
| Coverboard Kit                        | Optional  | Optional  | Optional  | Optional  | Optional  | Optional  |
| 12 in. Offset Shank Mounts            | Optional  | Optional  | Optional  | Optional  | Optional  | Optional  |
| Pull-Hitch Caddy                      | N/A   | N/A   | N/A   | Optional  | Optional  | Optional  |
| Rear Hitch                            | N/A   | Optional  | Optional  | Optional  | Optional  | Optional  |
| Parking Stands                        | Standard  | Standard  | Standard  | Standard  | Standard  | Standard  |
| Powder Coat Paint, Sapphire Blue      | Standard  | Standard  | Standard  | Standard  | Standard  | Standard  |
| LED Warning Lights & SMV Emblem       | Standard  | Standard  | Standard  | Standard  | Standard  | Standard  |
| Horsepower Requirements               | 40 HP and up (30 kW) Per Shank                          | 40 HP and up (30 kW) Per Shank                          | 40 HP and up (30 kW) Per Shank                          | 40 HP and up (30 kW) Per Shank                          | 40 HP and up (30 kW) Per Shank                          | 40 HP and up (30 kW) Per Shank                          |
| Recommended Operating Speed           | 3 to 5 MPH (4.8 to 8.0 km/h)                            | 3 to 5 MPH (4.8 to 8.0 km/h)                            | 3 to 5 MPH (4.8 to 8.0 km/h)                            | 3 to 5 MPH (4.8 to 8.0 km/h)                            | 3 to 5 MPH (4.8 to 8.0 km/h)                            | 3 to 5 MPH (4.8 to 8.0 km/h)                            |

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