



# 2400 Series Weatherproofer (WP1) Specifications

Product Attributes	2410-6-24	2410-7-24	2410F-7-24	2410AFG-7-24	2410-9-24	2410F-9-24	2410AFG-9-24	2430-11-24	2430-13-24
Approximate Weight	14,560 lbs. (6,604 kg)	15,822 lbs. (7,177 kg)	20,250 lbs. (9,185 kg)	22,750 lbs. (10,319 kg)	18,650 lbs. (8,459 kg)	22,940 lbs. (10,405 kg)	25,440 lbs. (11,539 kg)	26,590 lbs. (12,061 kg)	29,870 lbs. (13,549 kg)
Working Width	12 ft. 0 in. (3.7 m)	14 ft. 0 in. (4.3 m)	14 ft. 0 in. (4.3 m)	14 ft. 0 in. (4.3 m)	18 ft. 0 in. (5.5 m)	18 ft. 0 in. (5.5 m)	18 ft. 0 in. (5.5 m)	22 ft. 0 in. (6.7 m)	26 ft. 0 in. (7.9 m)
Transport Width	15 ft. 4 in. (4.7 m)	17 ft. 4 in. (5.3 m)	14 ft. 6 in. (4.4 m)	14 ft. 8 in. (4.5 m)	19 ft. 6 in. (5.9 m)	14 ft. 6 in. (4.4 m)	14 ft. 8 in. (4.5 m)	16 ft. 0 in. (4.9 m)	16 ft. 0 in. (4.9 m)
Transport Height	N/A	N/A	12 ft. 4 in. (3.8 m)	12 ft. 1 in. (3.7 m)	N/A	13 ft. 6 in. (4.1 m)	13 ft. 7 in. (4.1 m)	12 ft. 6 in. (3.8 m)	14 ft. 0 in. (4.3 m)
Number of Disc Blades - Front	16	18	18	18	22	24	22	28	32
Number of Disc Blades - Rear	18	20	20	20	22	24	24	30	34
Blade Spacing - Front	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)
Blade Spacing - Rear	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)	10.5 in. (267 mm)
Blade Sizes	24 in. x 0.25 in. (610 x 6.4 mm) Rollable	24 in. x 0.25 in. (610 x 6.4 mm) Rollable	24 in. x 0.25 in. (610 x 6.4 mm) Rollable	24 in. x 0.25 in. (610 x 6.4 mm) Rollable	24 in. x 0.25 in. (610 x 6.4 mm) Rollable	24 in. x 0.25 in. (610 x 6.4 mm) Rollable	24 in. x 0.25 in. (610 x 6.4 mm) Rollable	24 in. x 0.25 in. (610 x 6.4 mm) Rollable	24 in. x 0.25 in. (610 x 6.4 mm) Rollable
	24 in. x 0.25 in. (610 x 6.4 mm)	24 in. x 0.25 in. (610 x 6.4 mm)	24 in. x 0.25 in. (610 x 6.4 mm)	24 in. x 0.25 in. (610 x 6.4 mm)	24 in. x 0.25 in. (610 x 6.4 mm)	24 in. x 0.25 in. (610 x 6.4 mm)	24 in. x 0.25 in. (610 x 6.4 mm)	24 in. x 0.25 in. (610 x 6.4 mm)	24 in. x 0.25 in. (610 x 6.4 mm)
	26 in. x 0.25 in. (660 x 6.4 mm)	26 in. x 0.25 in. (660 x 6.4 mm)	26 in. x 0.25 in. (660 x 6.4 mm)	26 in. x 0.25 in. (660 x 6.4 mm)	26 in. x 0.25 in. (660 x 6.4 mm)	26 in. x 0.25 in. (660 x 6.4 mm)	26 in. x 0.25 in. (660 x 6.4 mm)	26 in. x 0.25 in. (660 x 6.4 mm)	26 in. x 0.25 in. (660 x 6.4 mm)
	26 in. x 0.3125 in. (660 x 7.9 mm)	26 in. x 0.3125 in. (660 x 7.9 mm)	26 in. x 0.3125 in. (660 x 7.9 mm)	26 in. x 0.3125 in. (660 x 7.9 mm)	26 in. x 0.3125 in. (660 x 7.9 mm)	26 in. x 0.3125 in. (660 x 7.9 mm)	26 in. x 0.3125 in. (660 x 7.9 mm)	26 in. x 0.3125 in. (660 x 7.9 mm)	26 in. x 0.3125 in. (660 x 7.9 mm)
Blade Concavity	3 in. (76.2 mm)	3 in. (76.2 mm)	3 in. (76.2 mm)	3 in. (76.2 mm)	3 in. (76.2 mm)	3 in. (76.2 mm)	3 in. (76.2 mm)	3 in. (76.2 mm)	3 in. (76.2 mm)
Blade Scrapers	4.5 in. (114 mm) Adjustable	4.5 in. (114 mm) Adjustable	4.5 in. (114 mm) Adjustable	4.5 in. (114 mm) Adjustable	4.5 in. (114 mm) Adjustable	4.5 in. (114 mm) Adjustable	4.5 in. (114 mm) Adjustable	4.5 in. (114 mm) Adjustable	4.5 in. (114 mm) Adjustable
Blade Scraper Mount	Heavy-Duty 0.5 in. (12.7 mm) Spring Steel Arm	Heavy-Duty 0.5 in. (12.7 mm) Spring Steel Arm	Heavy-Duty 0.5 in. (12.7 mm) Spring Steel Arm	Heavy-Duty 0.5 in. (12.7 mm) Spring Steel Arm	Heavy-Duty 0.5 in. (12.7 mm) Spring Steel Arm	Heavy-Duty 0.5 in. (12.7 mm) Spring Steel Arm	Heavy-Duty 0.5 in. (12.7 mm) Spring Steel Arm	Heavy-Duty 0.5 in. (12.7 mm) Spring Steel Arm	Heavy-Duty 0.5 in. (12.7 mm) Spring Steel Arm
Gang Spools - Front	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter
Gang Spools - Rear	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter	5.5 in. (140 mm) Diameter
Gang Angle	15 Degrees Non- Adjustable	15 Degrees Non- Adjustable	15 Degrees Non- Adjustable	15 Degrees Non- Adjustable	15 Degrees Non- Adjustable	15 Degrees Non- Adjustable	15 Degrees Non- Adjustable	15 Degrees Non- Adjustable	15 Degrees Non- Adjustable
Gang Shaft	1.75 in. (44.5 mm) Round	1.75 in. (44.5 mm) Round	1.75 in. (44.5 mm) Round	1.75 in. (44.5 mm) Round	1.75 in. (44.5 mm) Round	1.75 in. (44.5 mm) Round	1.75 in. (44.5 mm) Round	1.75 in. (44.5 mm) Round	1.75 in. (44.5 mm) Round
Number of Gang Bearings - Front	6	6	6	6	8	8	8	8	10
Number of Gang Bearings - Rear	6	6	6	6	6	6	6	10	10
Gang Bearing Type	C-Cushion Trunnion Mount, Greaseable Triple Lip Seals	C-Cushion Trunnion Mount, Greaseable Triple Lip Seals	C-Cushion Trunnion Mount, Greaseable Triple Lip Seals	C-Cushion Trunnion Mount, Greaseable Triple Lip Seals	C-Cushion Trunnion Mount, Greaseable Triple Lip Seals	C-Cushion Trunnion Mount, Greaseable Triple Lip Seals	C-Cushion Trunnion Mount, Greaseable Triple Lip Seals	C-Cushion Trunnion Mount, Greaseable Triple Lip Seals	C-Cushion Trunnion Mount, Greaseable Triple Lip Seals
Number of Shanks	6	7	7	7	9	9	9	11	13
Shank Spacing	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)
Shank Depth (Maximum)	16 in. (406 mm)	16 in. (406 mm)	16 in. (406 mm)	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 Mounts	Semi-Wrap Around with 1 in. (25.4 mm) U-bolts	Semi-Wrap Around with 1 in. (25.4 mm) U-bolts	Semi-Wrap Around with 1 in. (25.4 mm) U-bolts	Semi-Wrap Around with 1 in. (25.4 mm) U-bolts	Semi-Wrap Around with 1 in. (25.4 mm) U-bolts	Semi-Wrap Around with 1 in. (25.4 mm) U-bolts	Semi-Wrap Around with 1 in. (25.4 mm) U-bolts	Semi-Wrap Around with 1 in. (25.4 mm) U-bolts	Semi-Wrap Around with 1 in. (25.4 mm) U-bolts
Point Load - Auto Reset	3,600 lbs. (1633 kg)	3,600 lbs. (1633 kg)	3,600 lbs. (1633 kg)	3,600 lbs. (1633 kg)	3,600 lbs. (1633 kg)	3,600 lbs. (1633 kg)	3,600 lbs. (1633 kg)	3,600 lbs. (1633 kg)	3,600 lbs. (1633 kg)
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)	16 in. (406 mm)	16 in. (406 mm)	16 in. (406 mm)
Shank Size	1.25 in. x 4 in. (31.8 x 102 mm)	1.25 in. x 4 in. (31.8 x 102 mm)	1.25 in. x 4 in. (31.8 x 102 mm)	1.25 in. x 4 in. (31.8 x 102 mm)	1.25 in. x 4 in. (31.8 x 102 mm)	1.25 in. x 4 in. (31.8 x 102 mm)	1.25 in. x 4 in. (31.8 x 102 mm)	1.25 in. x 4 in. (31.8 x 102 mm)	1.25 in. x 4 in. (31.8 x 102 mm)



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<b>Shank Type</b>	Auto-Reset Parabolic	Auto-Reset Parabolic	Auto-Reset Parabolic	Auto-Reset Parabolic	Auto-Reset Parabolic	Auto-Reset Parabolic	Auto-Reset Parabolic	Auto-Reset Parabolic	Auto-Reset Parabolic
<b>Standard Points</b>	2.375 in. (60.3 mm) V-Cap with Wear Guard	2.375 in. (60.3 mm) V-Cap with Wear Guard	2.375 in. (60.3 mm) V-Cap with Wear Guard	2.375 in. (60.3 mm) V-Cap with Wear Guard	2.375 in. (60.3 mm) V-Cap with Wear Guard	2.375 in. (60.3 mm) V-Cap with Wear Guard	2.375 in. (60.3 mm) V-Cap with Wear Guard	2.375 in. (60.3 mm) V-Cap with Wear Guard	2.375 in. (60.3 mm) V-Cap with Wear Guard
<b>Frame</b>	8 in. x 4 in. x 0.375 in. (203 x 102 x 9.5 mm) & 6 in. x 4 in. x 0.375 in. (153 x 102 x 9.5 mm)	8 in. x 4 in. x 0.375 in. (203 x 102 x 9.5 mm) & 6 in. x 4 in. x 0.375 in. (153 x 102 x 9.5 mm)	8 in. x 4 in. x 0.375 in. (203 x 102 x 9.5 mm) & 6 in. x 4 in. x 0.375 in. (153 x 102 x 9.5 mm)	8 in. x 4 in. x 0.375 in. (203 x 102 x 9.5 mm) & 6 in. x 4 in. x 0.375 in. (153 x 102 x 9.5 mm)	8 in. x 4 in. x 0.375 in. (203 x 102 x 9.5 mm) & 6 in. x 4 in. x 0.375 in. (153 x 102 x 9.5 mm)	8 in. x 4 in. x 0.375 in. (203 x 102 x 9.5 mm) & 6 in. x 4 in. x 0.375 in. (153 x 102 x 9.5 mm)	8 in. x 4 in. x 0.375 in. (203 x 102 x 9.5 mm) & 6 in. x 4 in. x 0.375 in. (153 x 102 x 9.5 mm)	8 in. x 4 in. x 0.375 in. (203 x 102 x 9.5 mm) & 6 in. x 4 in. x 0.375 in. (153 x 102 x 9.5 mm)	8 in. x 4 in. x 0.375 in. (203 x 102 x 9.5 mm) & 6 in. x 4 in. x 0.375 in. (153 x 102 x 9.5 mm)
<b>Frame Construction</b>	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded	Laser Cut/Matchcut Components, Robotically Welded
<b>Transport Lift Axles</b>	5.5 in. (140 mm) with UHMW Maintenance Free Pivots	5.5 in. (140 mm) with UHMW Maintenance Free Pivots	5.5 in. (140 mm) with UHMW Maintenance Free Pivots	5.5 in. (140 mm) with UHMW Maintenance Free Pivots	5.5 in. (140 mm) with UHMW Maintenance Free Pivots	5.5 in. (140 mm) with UHMW Maintenance Free Pivots	5.5 in. (140 mm) with UHMW Maintenance Free Pivots	5.5 in. (140 mm) with UHMW Maintenance Free Pivots	5.5 in. (140 mm) with UHMW Maintenance Free Pivots
<b>Transport Axle Type</b>	Walking Tandems with Greaseable Pivots	Walking Tandems with Greaseable Pivots	Walking Tandems with Greaseable Pivots	Walking Tandems with Greaseable Pivots	Walking Tandems with Greaseable Pivots	Walking Tandems with Greaseable Pivots	Walking Tandems with Greaseable Pivots	Walking Tandems with Greaseable Pivots	Walking Tandems with Greaseable Pivots
<b>Tire Size - Main Frame</b>	(4) 340/60R x 16.5-11	(4) 380/55R x 16.5-12	(4) 440/55R x 18-14	(4) 440/55R x 18-14	(4) 380/55R x 16.5-12	(4) 440/55R x 18-14	(4) 440/55R x 18-14	(4) 440/55R x 18-14	(4) 440/55R x 18-14
<b>Wheel Hubs - Main Frame</b>	8-Bolt	8-Bolt	8-Bolt	8-Bolt	8-Bolt	8-Bolt	8-Bolt	8-Bolt	8-Bolt
<b>Spindles - Main Frame</b>	2.25 in. (57.2 mm) Slip-In Spindles	3 in. (76.2 mm) Slip-In Spindles	4 in. (102 mm) Slip-In Spindles	4 in. (102 mm) Slip-In Spindles	3 in. (76.2 mm) Slip-In Spindles	4 in. (102 mm) Slip-In Spindles	4 in. (102 mm) Slip-In Spindles	4 in. (102 mm) Slip-In Spindles	4 in. (102 mm) Slip-In Spindles
<b>Tire Size - Wing Frame</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(2) 440/55R x 18-14	(4) 340/60R x 16.5-11
<b>Wheel Hubs - Wing Frame</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8-Bolt	8-Bolt
<b>Spindles - Wing Frame</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4 in. (102 mm) Slip-In Spindles	2.25 in. (57.2 mm) Slip-In Spindles
<b>Hitch Type</b>	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment	Self-Leveling with Manual Adjustment
<b>Hitch Category</b>	Cat. IV Single Lip with 2.25 (57.2 mm) Hole	Cat. IV Single Lip with 2.25 (57.2 mm) Hole	Cat. IV Single Lip with 2.25 (57.2 mm) Hole	Cat. IV Single Lip with 2.25 (57.2 mm) Hole	Cat. IV Single Lip with 2.25 (57.2 mm) Hole	Cat. IV Single Lip with 2.25 (57.2 mm) Hole	Cat. IV Single Lip with 2.25 (57.2 mm) Hole	Cat. IV Single Lip with 2.25 (57.2 mm) Hole	Cat. IV Single Lip with 2.25 (57.2 mm) Hole
<b>Machine Depth Control</b>	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted	Single Point, Front Mounted
<b>Safety Warnings Lights and SMV Emblem</b>	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
<b>Safety Chain Kit</b>	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
<b>Adjustment Wrenches</b>	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
<b>Powder Coat Paint, Blue Sapphire</b>	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
<b>Rear Jack</b>	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
<b>Cat. III Single Lip Hitch Clevis (2 in. Hole)</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Cat. V Single Lip Hitch Clevis (3 in. Hole)</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Shark Fin Point</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>7 in. Wing Point</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Spare Tire &amp; Wheel Assembly</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Rigid Shear Bolt Shank</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Horsepower Requirements</b>	50 HP and up (27 kW) per Shank	50 HP and up (27 kW) per Shank	50 HP and up (27 kW) per Shank	50 HP and up (27 kW) per Shank	50 HP and up (27 kW) per Shank	50 HP and up (27 kW) per Shank	50 HP and up (27 kW) per Shank	50 HP and up (27 kW) per Shank	50 HP and up (27 kW) per Shank