



Greensmaster® Flex™

WALK GREENSMOWERS

FEATURES

Best-in-Class Cutting Performance

- Patented Flex suspension
- Proven DPA Cutting Unit technology
- Multiple easy-to-configure clip rate settings
- Enhanced clippings capture

More Power and Simple Transmission

- Subaru® industrial high-tech engine
- Higher torque for more power at low RPM's
- Extremely efficient, fluid-free poly-v belt transmission design

Ease of Maintenance and Operation

- Configurable handle for enhanced operator comfort and control
- Convenient thumbwheel controller for easy speed adjustments
- Traction drive release lever for easy movement while the mower is off
- Easy access to service brake for greater operator control

Superior putting starts with superior cutting.

The Greensmaster® Flex™ 1820 / 2120 Series mowers deliver pristine results time and time again. Greensmaster Flex mowers cut closely to follow severe undulations at extremely low heights, and provide an excellent solution for greens that require precision mowing. The unique and patented Flex suspension system utilizes an integrated linkage system to allow cutting units to pivot around the center of the front roller, which prevents side-to-side scrubbing of the putting surface. All functions are easily controlled from the operator station, including both traction and reel engagement.

The Flex 1820 / 2120 features a heavy-duty industrial 4.3 hp (3.2 kW) Subaru® gasoline engine, and reaches transport speeds of up to 5.7 mph (9.2 km/h). With a cutting width of 18" (45.7 cm) / 21" (53.3 cm), operators will appreciate the precision handling and pristine aftercut appearance that the Flex 1820 / 2120 delivers. Both units feature an all-aluminum die-cast precision frame and a belt drive transmission, and can achieve cutting heights as low as 1/16" (1.59 mm). All Toro Greensmaster mowers feature patented dual precision adjustment (DPA) cutting units, and require no regular greasing as part of a preventative maintenance plan.



EdgeSeries™ Reels

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Call your Toro distributor at 800-803-8676

Greensmaster Flex 1820 & 2120 Specifications*

	GREENSMaster FLEX 1820, MODEL 04045	GREENSMaster FLEX 2120, MODEL 04044
ENGINE	Subaru Heavy-Duty Industrial, 4.3 hp (3.2 kW) @ 4000 rpm, OHC, 4-cycle, CARB, EPA, EU, China certified gasoline engine with integral lighting coil. Displacement: 7.7 cu in. (126 cc). Cast iron cylinder sleeve. Electronic ignition. Maximum noise suppression muffler.	
FUEL CAPACITY	.79 gallons (3.0 liters) regular grade unleaded gasoline.	
TRANSMISSION	Engine powered multi-disk wet clutch to the first stage of a multi-ribbed poly V-belt drive. The traction drums are belt driven through a spur gear planetary differential with integral band style service/parking brake.	
MAINTENANCE	No grease zerks, sealed bearing design reduces daily maintenance.	
GROUND SPEED	Mowing speed: 1.6-3.7 mph (2.5-5.9 km/h). Transport speed (maximum): 5.7 mph (9.2 km/h).	
TRACTION DRUM	Dual cast aluminum 7.5" (19 cm) diameter with taper on outer 2" (5 cm).	
CONTROLS	Engine Controls: Recoil starter, choke, fuel shut-off. Handle Controls: on/off ('ignition') switch, hour meter, throttle, dual function traction/reel control lever, operator presence control, service/park brake lever, on/off light switch (optional blank slot in console).	
HANDLE	Loop style, molded contour upper, 1" (2.5 cm) diameter lower tube. Two angular adjustments and lift assist kickstand with 2.0 inches of telescoping adjustment.	
TRANSPORT TIRES/KICKSTAND	Quick detachable 3.00/3.25 x 6 pneumatic. Lift assist kickstand standard equipment. Loop style with service position lock, 1" (2.5 cm) diameter tube.	
REEL CONSTRUCTION	8-Blade Reel: 5" (12.7 cm) diameter, 8-EdgeSeries™ steel blades welded to 5 steel spiders (no 8-blade, 18" available). 11-Blade Reel: 5" (12.7 cm) diameter, 11-EdgeSeries™ steel blades welded to 5 steel spiders. 14-Blade Reel: 5" (12.7 cm) diameter, 14-EdgeSeries™ steel blades welded to 5 steel spiders.	
SUSPENSION	Semi-floating cutting unit separable from drive unit, pivoting around reel centerline (pitch axis) and pivoting around bedknife centerline side to side (roll axis).	
WIDTH OF CUT	18" (45.7 cm)	21" (53.3 cm)
HEIGHT OF CUT	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench height of cut range is .062"-.297" (1.6-7.5 mm) with high height of cut kit, range is .297"-1.0" (7.5-25.4 mm). Effective height of cut may vary depending on turf conditions and bedknife installed.	
CLIP FREQUENCIES	Reel drive consists of three pulleys of different diameter. 6-clip adjustments per reel, based on pulley configuration.	
REEL DRIVE	Transmission reel clutch shaft to a drive shaft with a pair of beam style couplers.	
CUTTING UNIT CONSTRUCTION	Machined cast aluminum frame.	
CUTTING UNIT ADJUSTMENT	Cutting unit detachable from traction unit. Dual screw "click" adjustments to reel. Front roller height of cut adjustment. Sealed stainless steel reel bearings.	
BEDKNIFE	EdgeMax™ Microcut Bedknife is standard on 11 & 14-blade cutting unit. EdgeMax bedknife is heat treated solid tool steel.	
GRASS BASKET	Molded polyethylene with integrated graphics highlighting overlap guidelines, vented for high-efficiency collection.	
ROLLERS	Front Roller: Optional – must be ordered. Rear Roller: Aluminum full roller 2" (5.1 cm) diameter with sealed bearings.	
WORKING WEIGHT	254 lbs. (115 kg) w/basket, w/o transport tires and groomer.	260 lbs. (118 kg) w/basket, w/o transport tires and groomer.
CERTIFICATION / WARRANTY	Designed in accordance to ANSI B71.4-2012 and European Community (CE) specifications. Two-year limited warranty. Refer to the Operator's Manual for further details.	

GREENSMaster FLEX 1820 ACCESSORIES

CUTTING UNITS & REEL OPTIONS	
04291	14-Blade DPA Cutting Unit
04289	11-Blade DPA Cutting Unit

STANDARD CUTTING UNIT EQUIPMENT	
117-1530	EdgeMax™ Microcut Bedknife
110-2282-01	Less Aggressive Bedbar

BEDKNIFE & BEDBAR OPTIONS	
98-7260	Tournament Bedknife
110-2301	Low Cut Bedknife
110-2300	Extended Microcut Bedknife
98-7261	Microcut Bedknife
117-1532	EdgeMax™ Tournament Bedknife
117-1530	EdgeMax™ Microcut Bedknife
120-9600	High Height of Cut Kit
110-2281-03	Aggressive Bedbar

ROLLER OPTIONS	
120-9607	Front Narrow Wiehle Roller
120-9609	Front Wide Wiehle Roller
120-9611	Front Full Steel Roller (2.5" dia.)
121-4680	Front Full Extended Width Roller
121-4681	Front Extended Wiehle Roller
120-9602	Rear Roller Adjustment Kit
121-4682	Rear Full Roller – Steel
120-9605	Rear Full Roller – Aluminum
115-7361	Auxiliary Roller Kit

GROOMER OPTIONS	
04648	Universal Groomer Drive
04801	Groomer Reel, Twin Tip
04268	Grooming Brush (18") – Soft
04269	Grooming Brush (18") – Stiff

SCRAPER OPTIONS	
120-9615	Narrow Wiehle Roller Scraper
120-9616	Wide Wiehle Roller Scraper
120-9617	Full Roller Scraper
120-9621	Narrow Wiehle Roller Scraper Brush
120-9622	Wide Wiehle Roller Scraper Brush
120-9623	Full Roller Scraper Brush
120-9624	Narrow Wiehle Roller Scraper Comb
120-9625	Wide Wiehle Roller Scraper Comb
120-9626	Full Roller Scraper Comb
120-9627	Scraper Kit with Rear Roller (steel tube)

TRACTION UNIT ACCESSORIES	
04064	LED Light Kit
04266	Push Broom Brush
04123	Wheel Kit

TOOLS	
04399	Turf Evaluator
125-5610	Paper – Reel
125-5611	Shim – Reel
94-9010	Height of Cut Adjustment Bar
131-6828	Angle Indicator
131-6829	Mount-Angle Indicator

GREENSMaster FLEX 2120 ACCESSORIES

CUTTING UNITS & REEL OPTIONS	
04290	11-Blade DPA Cutting Unit
04292	14-Blade DPA Cutting Unit

STANDARD CUTTING UNIT EQUIPMENT	
115-1880	EdgeMax™ Microcut Bedknife
106-2648-01	Less Aggressive Bed Bar

BEDKNIFE & BEDBAR OPTIONS	
93-4263	Tournament Bedknife
93-4264	Low Cut Bedknife
108-4303	Extended Microcut Bedknife
93-4262	Microcut Bedknife
108-4302	Extended Tournament Bedknife
115-1881	EdgeMax™ Tournament Bedknife
120-9600	High Height of Cut Kit
99-3794-03	Aggressive Bedbar
93-6392	High Cut Bedknife
63-8610	Fairway Bedknife

GROOMER OPTIONS	
04648	Universal Groomer Drive
04802	Groomer Reel – Twin Tip
04270	Greens Grooming Brush (21") – Soft
04271	Greens Grooming Brush (21") – Stiff

TOOLS	
04399	Turf Evaluator
125-5610	Paper – Reel
125-5611	Shim – Reel
94-9010	Height of Cut Adjustment Bar
131-6828	Angle Indicator
131-6829	Mount-Angle Indicator

ROLLER OPTIONS	
04255	Front Narrow Wiehle Roller
04256	Front Wide Wiehle Roller
04250	Split Narrow Wiehle Roller
107-3509	Steel Rear Roller
107-3510	Narrow Steel Wiehle Roller
107-3514	Front Wide Wiehle Roller – Steel
04257	Front Full Roller
04249	Split Full Front Roller
04258	Long Front Narrow Wiehle Roller
04267	Paspalum Roller
115-7356	Rear Full Roller – Aluminum
120-9595	Rear Full Roller – Steel
115-7361	Front Roller Extension Kit
120-9602	Rear Roller Adjustment Kit
71-1550	2" (5 cm) Wiehle Cast-Iron Roller

TRACTION UNIT ACCESSORIES	
04064	LED Light Kit
04266	Push Broom Brush
04123	Wheel Kit

SCRAPER OPTIONS	
125-3503	Narrow Wiehle Roller Scraper
125-3504	Wide Wiehle Roller Scraper
125-3505	Full Roller Scraper
115-7377	Narrow Wiehle Roller Scraper Brush
115-7378	Wide Wiehle Roller Scraper Brush
115-7379	Full Roller Scraper Brush
115-7380	Narrow Wiehle Roller Scraper Comb
115-7381	Wide Wiehle Roller Scraper Comb
115-7382	Full Roller Scraper Comb
115-7383	Scraper Kit with Rear Roller
121-2260	Rear Roller Scraper Kit

*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in design, required attachments and safety features. Consult your local Toro Distributor.

