



# 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

- Telescoping 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.

Greensmaster Flex 2120 and 1820 models offer the industry-leading cutting performance you've come to expect from Toro, with added innovations that improve playability and turf health, enhance productivity, and simplify service. Patented Flex suspension units, and the most efficient clipping collection system combine to deliver exceptional quality of cut for a superior putting surface. In addition, six easy-to-configure variable clip adjustments combined with three reel choices provide any clip rate setting necessary to

achieve your desired playing condition. The single belt drive transmission is simple and reliable – focused on delivering a consistent cut on every pass and on every green. Add improved productivity and simplified service to the list and you'll quickly understand why the Greensmaster Flex promises to make the best greensmowers even better.



[toro.com/flex](http://toro.com/flex)

# Greensmaster Flex 1820 & 2120 Specifications\*

	GREENSMaster FLEX 1820, MODEL 04055	GREENSMaster FLEX 2120, MODEL 04044
<b>ENGINE</b>	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.	
<b>FUEL CAPACITY</b>	.79 gallons (3.0 liters) regular grade unleaded gasoline.	
<b>TRANSMISSION</b>	Engine powered multi-disk 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.	
<b>MAINTENANCE</b>	No grease zerks, sealed bearing design reduces daily maintenance.	
<b>GROUND SPEED</b>	Mowing speed: 1.6-3.7 mph (2.5-5.9 km/h). Transport speed (maximum): 5.7 mph (9.2 km/h).	
<b>TRACTION DRUM</b>	Dual cast aluminum 7.5" (19 cm) diameter with taper on outer 2" (5 cm).	
<b>CONTROLS</b>	<b>Engine Controls:</b> Recoil starter, choke, fuel shut-off. <b>Handle Controls:</b> 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).	
<b>HANDLE</b>	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.	
<b>TRANSPORT TIRES/KICKSTAND</b>	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.	
<b>REEL CONSTRUCTION</b>	8-Blade Reel: 5" (12.7 cm) diameter, 8 high carbon steel blades welded to 5 steel spiders (no 8-blade, 18" available). 11-Blade Reel: 5" (12.7 cm) diameter, 11 high carbon steel blades welded to 5 steel spiders. 14-Blade Reel: 5" (12.7 cm) diameter, 14 high carbon steel blades welded to 5 steel spiders.	
<b>SUSPENSION</b>	Semi-floating cutting unit separable from drive unit, pivoting around reel centerline (pitch axis) and pivoting around bedknife centerline side to side (roll axis).	
<b>WIDTH OF CUT</b>	18" (45.7 cm)	21" (53.3 cm)
<b>HEIGHT OF CUT</b>	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.	
<b>CLIP FREQUENCIES</b>	Reel drive consists of three pulleys of different diameter. 6-clip adjustments per reel, based on pulley configuration.	
<b>REEL DRIVE</b>	Transmission reel clutch shaft to a drive shaft with a pair of beam style couplers.	
<b>CUTTING UNIT CONSTRUCTION</b>	Machined cast aluminum frame.	
<b>CUTTING UNIT ADJUSTMENT/SERVICE</b>	Cutting unit detachable from traction unit. Dual screw "click" adjustments to reel. Front roller height of cut adjustment. Sealed stainless steel reel bearings.	
<b>BEDKNIFE</b>	EdgeMax™ Microcut Bedknife is standard on 11 & 14-blade cutting unit. EdgeMax bedknife is heat treated solid tool steel.	
<b>GRASS BASKET</b>	Molded polyethylene with integrated graphics highlighting overlap guidelines, vented for high-efficiency collection.	
<b>ROLLERS</b>	<b>Front Roller:</b> Optional – must be ordered. <b>Rear Roller:</b> Aluminum full roller 2" (5.1 cm) diameter with sealed bearings.	
<b>WORKING WEIGHT</b>	254 lbs. (115 kg) w/basket, w/o transport tires and groomer.	260 lbs. (118 kg) w/basket, w/o transport tires and groomer.
<b>CERTIFICATION / WARRANTY</b>	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 1800 ACCESSORIES

CUTTING UNITS & REEL OPTIONS	
04291	14-Blade DPA Cutting Unit
04289	11-Blade DPA Cutting Unit
132-7358	14-Blade Reel
132-7357	11-Blade Reel

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

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.)
115-7361	Front Roller Extension Kit
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
115-7361	Auxiliary Roller Kit

GROOMER OPTIONS	
04259	Flex Groomer Drive, Fwd Rotating
04260	Flex Groomer Drive, Counter Rotating
04263	Groomer Reel, Carbide (18")
04743	Thin Blade Grooming Reel (18")
04264	Grooming Brush (18")
127-6119	Groomer Quick Up Kit (w/o groomer)
04272	Grooming Brush (18") – Soft
04273	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

TRACTION UNIT ACCESSORIES	
04293	LED Light Kit (requires Wire Harness 04295)
04295	Wire Harness
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
04399	Turf Evaluator
131-6828	Angle Indicator
131-6829	Mount-Angle Indicator

## GREENSMaster FLEX 2100 ACCESSORIES

CUTTING UNITS & REEL OPTIONS	
04290	11-Blade DPA Cutting Unit
04292	14-Blade DPA Cutting Unit
132-7342	14-Blade Reel
132-7341	11-Blade Reel
132-7340	8-Blade Reel

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

TRACTION UNIT ACCESSORIES	
04293	LED Light Kit (requires Wire Harness 04295)
04295	Wire Harness
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
04399	Turf Evaluator

ROLLER OPTIONS	
04255	Front Narrow Wiehle Roller
04256	Front Wide Wiehle Roller
04250	Split Narrow 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

GROOMER OPTIONS	
04259	Flex Groomer Drive, Fwd Rotating
04260	Flex Groomer Drive, Counter Rotating
04711	Groomer Reel, Carbide (RH)
04712	Groomer Reel, Spring Steel (RH)
04744	Thin Blade Grooming Reel (21")
04713	Grooming Brush
127-6119	Groomer Quick Up Kit (w/o groomer)
04708	Groomer Reel, Carbide (21", LH)
04274	Greens Grooming Brush (21") – Soft
04275	Greens Grooming Brush (21") – Stiff

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	Rear Roller Scraper

\*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.  
Rev. 6/16

