



Greensmaster® Flex 18 & 21 Specifications*

	GREENSMMASTER FLEX 18, MODEL 04019	GREENSMMASTER FLEX 21*, MODEL 04024
ENGINE	Kawasaki®, 4-cycle, 3.7 hp (2.7 kW), air-cooled OHV engine, 3600 rpm. Displacement: 7.57 cu in. (124 cc). Cast iron cylinder sleeve. Electronic ignition. Maximum noise suppression muffler. 83 dB(A) at operator's ear.	
FUEL CAPACITY	2.64 quarts (2.5 liters) regular grade unleaded gasoline.	
GEARBOX DRIVE	Traction: Integral gearbox assembly directly mounted to the engine. The traction drive consists of a constant mesh planetary gear reduction incorporating a wet bath band-type clutch and brake driving a Peerless® differential assembly integrated into the gearbox assembly. Positive drive belt to traction drum. Implement: Consistent mesh gear driven countershaft with integral cone wet clutch. Drive shaft consists of two stainless steel beam couplings for angular misalignment combined with a molybdenum disulfide nylon extension member to accommodate axial movement. Positive drive belt to reel.	
MAINTENANCE	No grease zerks, sealed bearing design eliminates daily maintenance.	
GROUND SPEED	Mowing speed: 1.2-3.3 mph (1.9-5.38 km/h). Transport speed (maximum): 4.9 mph (7.9 km/h).	
TRACTION DRUM	Dual cast aluminum, 7.5" (19 cm) diameter, tapered ends.	
CONTROLS	Engine mounted: recoil starter, choke. Handle-mounted: on/off switch, hour meter, throttle lever, dual function traction/reel control lever, service/park brake lever. Safety devices: neutral interlock system, servicing/park brake, enclosed drive system.	
HANDLE	Loop style, 1" (2.5 cm) diameter with easy pull pin height adjustment, operator selected.	
TRANSPORT TIRES/ KICKSTAND	Two quick detachable pneumatic tires; 3.00 x 3.25-6" (8.25 cm) tread width. Kickstand standard equipment.	
REEL CONSTRUCTION	5" (12.7 cm) diameter, high-strength, low-alloy steel, through hardened, impact resistant, 14 or 11-blade standard, 8-blade optional.	
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	1/16"-1/2" (1.6-12.7 mm) to 3/4" (19.1 mm) with optional High HOC kit.	
CLIP FREQUENCY	11-blade: .14" (3.6 mm) std; .16" and .21" (4.1-5.33 mm) by moving pulleys; 8-blade: .19" (4.8 mm) std; .24" and .29" (6.1 and 7.4 mm)	
CUTTING UNIT CONST.	Cast aluminum frame.	
CUTTING UNIT ADJUST./SERVICE	Cutting unit detachable from traction unit. Dual screw "click" adjustments to reel. Front roller height of cut adjustment. Sealed reel bearings.	
BEDKNIFE	Bedknife is high carbon through-hardened steel. Microcut Bedknife is standard on 11-blade cutting unit; EdgeMax™ Microcut Bedknife is standard on 14-blade cutting unit. EdgeMax bedknife is solid tool steel.	
GRASS BASKET	Molded polyethylene with integrated graphics highlighting overlap guidelines, vented for high-efficiency collection.	
ROLLERS	Front Roller: Aluminum Wiehle 2.5" (6.4 cm) diameter with sealed bearings. Rear Roller: Aluminum full roller 2" (5.1 cm) diameter with sealed bearings.	
WORKING WEIGHT	261 lbs. (118 kg) with basket, w/o transport tires and groomer.	267 lbs. (121 kg) w/basket, w/o transport tires and groomer.
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	

*04025 Flex 21 CARB (California Air Requirements Board)

GREENSMMASTER FLEX 18 ACCESSORIES

STANDARD EQUIPMENT	
110-2304	Narrow Wiehle Roller
117-1530	EdgeMax™ Microcut Bedknife
98-7261	Microcut Bedknife

CUTTING UNITS & REEL OPTIONS	
04207	14-Blade DPA Cutting Unit
04206	11-Blade DPA Cutting Unit
115-8255	14-Blade Reel
110-2310	11-Blade Reel

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
106-4699	High Height of Cut Kit
110-2281-03	Aggressive Bedbar
94-9010	Height of Cut Adjustment Bar

ROLLER OPTIONS	
110-2305	Wide Wiehle Roller
114-4630	Rear Roller Adjustment Kit
110-2306	Front Full Roller
110-2303	Rear Full Roller
108-4333	Front Roller Extension Kit

GROOMER OPTIONS	
04224	Flex Groomer Drive
04225	Groomer Reel 18"
04226	Grooming Brush
107-8101	Groomer Quick Up Kit
110-2333	Groomer Blades

SCRAPER OPTIONS	
110-2350	Narrow Wiehle Roller Scraper
110-2351	Wide Wiehle Roller Scraper
110-2352	Full Roller Scraper
112-9351	DPA Rear Roller Scraper
110-2353	Narrow Wiehle Roller Scraper Brush
110-2354	Wide Wiehle Roller Scraper Brush
110-2355	Full Roller Scraper Brush
110-2356	Narrow Wiehle Roller Scraper Comb
110-2357	Wide Wiehle Roller Scraper Comb
110-2358	Full Roller Scraper Comb

TRACTION UNIT ACCESSORIES	
04061	Light Kit
112-9282	Operator Presence Bail Kit
04119	Push Broom Brush
117-1441	Spark Arrestor Kit
04123	Wheel Kit
04399	Turf Evaluator

GREENSMMASTER FLEX 21 ACCESSORIES

STANDARD EQUIPMENT	
107-9037	Narrow Wiehle Roller
115-1880	EdgeMax™ Microcut Bedknife
93-4262	Microcut Bedknife

CUTTING UNITS & REEL OPTIONS	
04208	14-Blade DPA Cutting Unit
04202	11-Blade DPA Cutting Unit
115-4289	14-Blade Reel
107-7635	11-Blade Reel
107-7634	8-Blade Reel

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
115-1880	EdgeMax™ Microcut Bedknife
106-4699	High Height of Cut Kit
99-3794-03	Aggressive Bedbar
94-9010	Height of Cut Adjustment Bar

TRACTION UNIT ACCESSORIES	
04061	Light Kit
112-9282	Operator Presence Bail Kit
04119	Push Broom Brush
117-1441	Spark Arrestor Kit
04123	Wheel Kit

ROLLER OPTIONS	
107-9038	Wide Wiehle Roller
114-4630	Rear Roller Adjustment Kit
107-9039	Front Full Roller
93-9045	Long Front Wiehle Roller
107-9036	Rear Full Roller
106-6945	Steel Rear Full Roller
108-4333	Front Roller Extension Kit

GROOMER OPTIONS	
04224	Flex Groomer Drive
04227	Groomer Reel 21"
04228	Grooming Brush
107-8101	Groomer Quick Up Kit

SCRAPER OPTIONS	
108-6468	Narrow Wiehle Roller Scraper
110-3961	Wide Wiehle Roller Scraper
110-3962	Full Roller Scraper
112-9352	Rear Roller Scraper
110-3963	Narrow Wiehle Roller Scraper Brush
110-3464	Wide Wiehle Roller Scraper Brush
110-3965	Full Roller Scraper Brush
110-3966	Narrow Wiehle Roller Scraper Comb
110-3967	Wide Wiehle Roller Scraper Comb
110-3968	Full Roller Scraper Comb

*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.

The Greensmaster Flex 21 is manufactured in Tomah, WI ISO 9002 Certified Plant.

