



# GrindLazer™

Scarifier Systems



www.graco.com

## GRINDLAZER ADVANTAGES

- **InstaCut™ System Technology**, offers “on or off” engagement of the cutting system whilst continuously moving. Allows you to “float” with cutting system when uneven surfaces occur, without using tools or engaging handles.
- **Vibration Reduction Technology**, special design reduces vibration, limiting users fatigue.
- **LineDriver™ compatible**, doubles your production speed, improves line removal quality and reduces fatigue.

Pavement and Marking Applications

GRINDLAZER™ 270 - GRINDLAZER™ 390 - GRINDLAZER™ 480



# GrindLazer™

The right solution for all your Striping Removal Applications

Welcome to a whole new world of scarifier possibilities, invented by Graco.

Graco introduces the 270, 390 and 480 GrindLazers as your solution for all of your scarifier applications. With the GrindLazer design, we are confident Graco is setting a new standard in line removal systems.

Our designers succeeded in heavily minimizing end-user fatigue by drastically reducing vibration, eliminating usage of tools making the GrindLazer compatible with LineDriver™. With the EasyGlide™ Wheel Mount System you'll think that you are using a LineLazer™, our linestriping design that set a new trend in the market 20 years ago!

## GUIDE

When choosing which Graco GrindLazer best fits your needs, you must consider what material you will be removing and how fast you want to complete the job. This guide will help walk you through this process and help you select the right GrindLazer. No matter what scarifier application you have, Graco has the Total Job Solution for you.



## Materials & Applications

GRINDLAZER CLASSIFICATION	MEDIUM DUTY • GrindLazer 270	HEAVY DUTY • GrindLazer 390	EXTREME DUTY • GrindLazer 480*
TYPICAL APPLICATIONS	Traffic paint removal Thermoplastic removal Smoothing uneven surfaces	Traffic paint removal Thermoplastic removal Epoxy coating removal Smoothing uneven surfaces	Traffic paint removal Thermoplastic removal Epoxy coating removal Smoothing uneven surfaces Inlay Grooving
MAXIMUM WORKING WIDTH	20.5 cm (8 in) cut	25.5 cm (10 in) cut	25.5 cm (10 in) cut
PRODUCTION/REMOVAL RATE 1/8 in depth removal	Walking 55 m <sup>2</sup> /hr (600 sq ft/hr) with LineDriver™ 120 m <sup>2</sup> /hr (1300 sq ft/hr)	Walking 75 m <sup>2</sup> /hr (800 sq ft/hr) with LineDriver 160 m <sup>2</sup> /hr (1700 sq ft/hr)	Walking N/A with LineDriver 195 m <sup>2</sup> /hr (2100 sq ft/hr)
CUTTER SELECTIONS	8 point flail tungsten carbide 6 point miller tungsten carbide	8 point flail tungsten carbide 6 point miller tungsten carbide	8 point flail tungsten carbide 6 point miller tungsten carbide 5 point diamond blade

\*Always use in combination with a LineDriver™ unit



**InstaCut™ Technology**

Allows you maximum control for safely engaging the cutters both on and off, without having to lift your hands off the handles. Easy and time saving.



**DialDown™ Depth Control System**

Allows precise cutting depths with a simple turn of the dial. Allows fast and easy adjustment for maximum productivity.

**Vibration Reduction Technology**

Pneumatic air-filled tyres, comfort grips, LineLazer-like cart design; all combined they eliminate vibration, reducing user fatigue.



**EasyGlide™ Wheel Mount System**

Its Fat Track™ front wheel allows the most flexibility, maneuver curves easily. No need to 'muscle' it whilst moving.



**Drums**

- Drums match all 3 GrindLazers
  - Set your own cutting width
  - 3 easy steps to Remove/ Install drum assembly
- Customise your own cutting width*

1. Loosen four bolts (*reverse to install*) - 2. Remove bolts and door - 3. Remove drum assembly



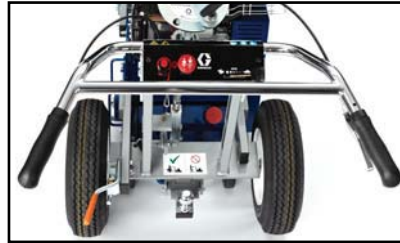
**Cutters**

Select Flail-style Tungsten Carbide, Miller-style Tungsten Carbide Cutters or DynaCut Diamond Blades; compose your own cutting size, depending on the size of the line to be removed.



### Ease-Z-Steer™ Handle Bar System

- Fully adjustable handles for all size users, makes turning and handling simple
- Reduces vibration



### Exclusive Heavy Duty ProStart™ System

Centrifugal clutch allows easy starting and shut off of cutters providing one of the safest units on the market today:

- Easy to start in cold weather
- Up to 50% less pulling effort to start the engine
- No more broken recoils
- Provides longer belt life



### TriBelt™ Drive System

3-cog belt design optimizes power transfer and maximum load handling.

Proven design on LineDriver™, eliminates costly downtime.



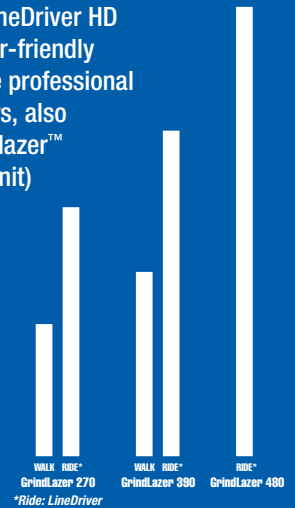
## GOOD TO KNOW

### WALK <-> RIDE

Why walk when you can ride? Only Graco offers two high performance LineDrivers to connect to your GrindLazer to help you double your line removing applications.

Now get higher productivity, straighter inlay and line removal with less fatigue.

The LineDriver™ and LineDriver HD provide innovative, user-friendly ride-on systems for the professional line removal contractors, also usable for Graco's Linelazer™ (airless paint striping unit) and ThermoLazer™.



### ! TIP

### LINEDRIVER REQUIRED

GrindLazer 480 with Reverse/ "Up-Cut" cutting direction requires the use of a LineDriver Propel System. The GrindLazer 480 unit cannot operate without a LineDriver due to the ProStart™ safety switch interlock system. It protects you against the reverse force of the GrindLazer.



# Cutter Assemblies

for GrindLazers



8 Point Flail: Tungsten Carbide Cutter		Applications: All purpose removal of paint, epoxy and thermoplastic markings, bump-smoothing and anti-slip grooving							
Part Number	Description	Cut Width	Cutters	Spacers	End Rods	Plates	GrindLazer		
							270	390	480
24D182	Completely assembled drum for <b>General Purpose*</b>	*6 in / 15.25 cm	84	234	6	2	✓	✓	✓
24D180	Completely assembled drum for <b>General Purpose*</b>	*8 in / 20.5 cm	114	186	6	2	✓	✓	✓
24B957	Completely assembled drum for <b>General Purpose*</b>	*10 in / 25.5 cm	138	150	6	2	—	✓	✓
24D610	Drum <b>Without Cutters</b>	—	—	—	6	2	✓	✓	✓
24D979	Replacement Drum Rods	—	—	—	6	—	✓	✓	✓
24D980	Replacement Drum End Plates	—	—	—	—	2	✓	✓	✓
24D612	Replacement 8 pt Flail, Tungsten Carbide Cutters (20 per pack)	—	20	—	—	—	✓	✓	✓
24D981	Replacement Steel Spacers (20 per pack)	—	—	20	—	—	✓	✓	✓



\* For additional widths and/or cutter set-ups please see repair manual.

6 Point Miller: Tungsten Carbide Cutter		Applications: Specifically used for thermoplastic, tape and thick material build up							
Part Number	Description	Cut Width	Cutters	Spacers	End Rods	Plates	GrindLazer		
							270	390	480
24E214	Completely assembled drum with cutters	*6 in / 15.25 cm	30	204	6	2	✓	✓	✓
24D585	Completely assembled drum with cutters	*8 in / 20.5 cm	40	132	6	2	✓	✓	✓
24D183	Completely assembled drum with cutters	*10 in / 25.5 cm	54	66	6	2	—	✓	✓
24D613	Replacement 6 pt Miller, Tungsten Carbide Cutters (6 per pack)	—	6	—	—	—	✓	✓	✓



\* For additional widths and/or cutter set-ups please see repair manual.

DynaCut Diamond Blade Cutter		Applications: Specifically used for concrete and asphalt pavement to groove and/or inlay							
Part Number	Description	Cut Width	Cutters	1/8 in Blade Spacers	1/4 in End Spacers	Square Key	GrindLazer		
							270	390	480
24B965	Completely assembled drum for <b>pavement grooving/inlay</b>	*5 in / 12.75 cm	19	21	21	2	—	—	✓
24D583	Completely assembled drum for <b>pavement grooving/inlay</b>	*10 in / 25.5 cm	38	39	2	2	—	—	✓
24E289	Single, diamond blade (5 pt)	*1/4 in / 6.35 cm	1	—	—	—	—	—	✓



\* For additional widths and/or cutter set-ups please see repair manual.



# GrindLazer™ Accessories

Get the most out of your equipment, use our professional accessories

## Improve your line removal, inlay, grooving and surface leveling needs

### Cutters

- 24D612 Flail tungsten carbide cutter, 8 point (20 pack) – *Select ultra-premium, long life flail cutters for your toughest asphalt and concrete removal projects*
- 24D613 Miller tungsten carbide cutter, 6 point (6 pack) – *Ultra-premium, high grade tungsten carbide cutter that removes thick film coatings, thermoplastics, epoxies and tape*
- 24E289 DynaCut™ diamond blade, 5 point (single blade) – *Ultra-premium, high performance diamond blades for dry-cut on AC and PCC substrates. Need to shave, groove, grind, route or plunge-cut? This blade is engineered to provide the longest lasting performance.*

### Drums

- 24D610 Case hardened steel drum replacement – 6 shaft drum
- 24D982 Diamond drum replacement – drum only

### Tyres

- 114549 Front pneumatic air filled tyre – front wheel and rim
- 111020 Rear pneumatic air filled tyre

### Line Pointer

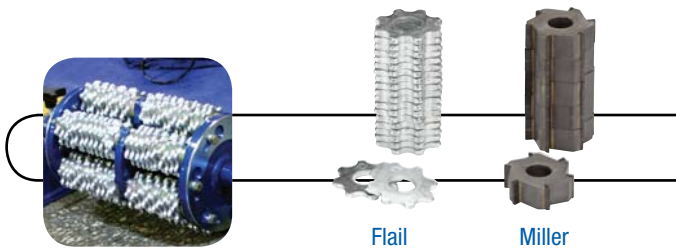
- 24D984 Line pointer system – 25 inch retractable steel pointer for keeping straight while guiding the GrindLazer



### GrindLazer Kits

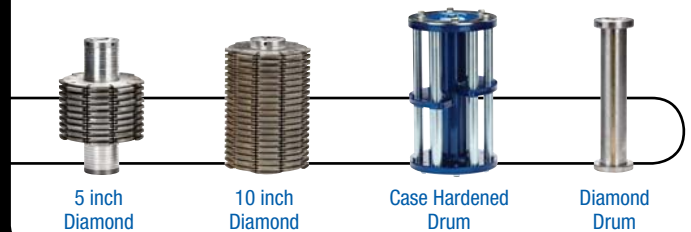
(for GrindLazer 270 and GrindLazer 390 units only)

- 245321 Ball hitch kit – *Used to hook up the LineDriver unit*
- 24E290 Drive shaft bearing kit – *Bearing, bearing housing, hex shaft and fasteners*
- 24E291 Door side bearing kit – *Bearing, bearing housing and fasteners*
- 24D584 GrindLazer brush kit – *Brushes and fasteners for complete unit*
- 24E294 Front wheel swivel caster cable kit
- 24E295 InstaCut engagement cable kit
- 24E296 Throttle control cable kit



Flail

Miller



5 inch Diamond

10 inch Diamond

Case Hardened Drum

Diamond Drum

## GrindLazer

### READY TO GO OR CUSTOM MADE

We selected a few 'standard' packages for you in the table on the right. In case your application requires another combination of unit and drum, feel free to ask your Graco distributor!

Find this unit at:

## Specifications



### Part Numbers:

	GrindLazer™ 270	GrindLazer™ 390	GrindLazer™ 480
Unit Only, No Drum or Cutters	571002	571003	571004
Unit with X" 8 pt Flail Carbide Cutters, Complete Assembly	571018 (8')	571013 (10')	571008 (10')
Unit with X" 6 pt Miller Carbide Cutters, Complete Assembly	571021 (8')	571022 (10')	571023 (10')
Unit with 10" 5 pt Diamond Blades, Complete Assembly			571010
Unit with 5" 5 pt Diamond Blades, Complete Assembly			571011
Max. Cut Width - cm (in)	20 (8)	25 (10)	25 (10)
Cut Direction	Forward	Forward	Reverse/"Up-Cut"
Removal Rate (walk) - m <sup>2</sup> /hr (sq ft/hr)	55 (600)	75 (800)	-
Removal Rate (ride) - m <sup>2</sup> /hr (sq ft/hr)	120 (1300)	160 (1700)	195 (2100)
Motor Engine - cc (HP)	Honda® 270 (9)	Honda® 390 (13)	Vanguard™ 480 (16)
Weight - kg (lbs)	135 (300)	140 (310)	150 (330)
ProStart™ System	Medium Duty	Heavy Duty	Extreme Duty
Air Cleaner	Cyclone	Cyclone	2-Stage Heavy Duty Filter