

# GrindLazer™

Scarifier Systems



## 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™ 630



# 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 630 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 25 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<br>• GrindLazer 270   | HEAVY DUTY<br>• GrindLazer 390   | EXTREME DUTY<br>• GrindLazer 630*   |
|---|---|--|---|
| TYPICAL APPLICATIONS                            | Traffic paint removal<br>Thermoplastic removal<br>Smoothing uneven surfaces                             | Traffic paint removal<br>Thermoplastic removal<br>Epoxy coating removal<br>Smoothing uneven surfaces   | Traffic paint removal<br>Thermoplastic removal<br>Epoxy coating removal<br>Smoothing uneven surfaces<br>Inlay<br>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<br>1/8 in depth removal | Walking 55 m <sup>2</sup> /hr (600 sq ft/hr)<br>with LineDriver™ 120 m <sup>2</sup> /hr (1300 sq ft/hr) | Walking 75 m <sup>2</sup> /hr (800 sq ft/hr)<br>with LineDriver 160 m <sup>2</sup> /hr (1700 sq ft/hr) | Walking N/A<br>with LineDriver 195 m <sup>2</sup> /hr (2100 sq ft/hr)   |
| CUTTER SELECTIONS                               | 8 point flail tungsten carbide<br>6 point miller tungsten carbide                                       | 8 point flail tungsten carbide<br>6 point miller tungsten carbide                                      | 8 point flail tungsten carbide<br>6 point miller tungsten carbide<br>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



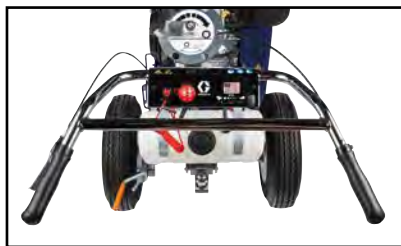
### Cutters

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.

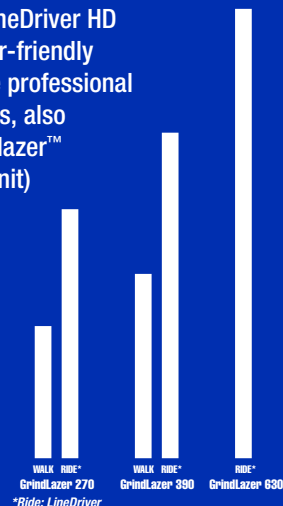
## GOOD TO KNOW

### 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 630 with Reverse/ "Up-Cut" cutting direction requires the use of a LineDriver Propel System. The GrindLazer 630 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



| 12-Point Beam:<br>Steel Cutter | Part   | Description                                    | Cut Width         | Cutters | Spacers | Rods | End Plates |
|--------------------------------|--------|--|-------------------|---------|---------|------|------------|
|                                | 24P818 | Replacement 12pt Beam, Steel Cutters (25 pack) |                   | 25      |         |      |            |
|                                | 24P714 | Completely assembled drum for smooth finishes  | 15.25 cm (6 inch) | 126     | 222     | 6    | 2          |
|                                | 24P715 | Completely assembled drum for smooth finishes  | 20.5 cm (8 inch)  | 174     | 156     | 6    | 2          |
|                                | 24P716 | Completely assembled drum for smooth finishes  | 25.5 cm (10 inch) | 204     | 114     | 6    | 2          |

See Repair manual for additional Cutter Stacking Recommendations

### BEAM



**APPLICATION:**  
All purpose removal of paint, and coatings from floors. Also used for grease, dirt and ice build up.

| 8-Point Flail:<br>Tungsten Carbide Cutter | Part   | Description   | Cut Width         | Cutters | Spacers | Rods | End Plates |
|---|--------|---|-------------------|---------|---------|------|------------|
|   | 24D612 | Replacement 8pt Flail, Tungsten Carbide Cutters (20 pack) |                   | 20      |         |      |            |
|   | 24D182 | Completely assembled drum for general purpose             | 15.25 cm (6 inch) | 84      | 234     | 6    | 2          |
|   | 24D180 | Completely assembled drum for general purpose             | 20.5 cm (8 inch)  | 114     | 186     | 6    | 2          |
|   | 24B957 | Completely assembled drum for general purpose             | 25.5 cm (10 inch) | 138     | 150     | 6    | 2          |
|   | 24E854 | Completely assembled drum for Fine Finish                 | 15.25 cm (6 inch) | 108     | 198     | 6    | 2          |
|   | 24E855 | Completely assembled drum for Fine Finish                 | 20.5 cm (8 inch)  | 144     | 138     | 6    | 2          |
|   | 24E856 | Completely assembled drum for Fine Finish                 | 25.5 cm (10 inch) | 174     | 90      | 6    | 2          |

See Repair manual for additional Cutter Stacking Recommendations

### FLAIL



**APPLICATION:**  
All purpose removal of paint, epoxy, and thermoplastic markings, bump-smoothing, and anti-slip grooving

| 8-Point FullCut:<br>Tungsten Carbide Cutter | Part   | Description   | Cut Width         | Cutters | Spacers | Rods | End Plates |
|---|--------|---|-------------------|---------|---------|------|------------|
|   | 24F213 | Replacement 8pt FullCut, Tungsten Carbide Cutters (20 pack) |                   | 20      |         |      |            |
|   | 24F184 | Completely assembled drum for Ultra Fine Finish             | 15.25 cm (6 inch) | 84      | 258     | 6    | 2          |
|   | 24F185 | Completely assembled drum for Ultra Fine Finish             | 20.5 cm (8 inch)  | 108     | 210     | 6    | 2          |
|   | 24F186 | Completely assembled drum for Ultra Fine Finish             | 25.5 cm (10 inch) | 138     | 162     | 6    | 2          |

See Repair manual for additional Cutter Stacking Recommendations

### FULLCUT



**APPLICATION:**  
All purpose removal of paint, epoxy, thermoplastic markings, bump-smoothing, anti-slip grooving, and inlay applications for a smooth finish

| 6-Point Miller:<br>Tungsten Carbide Cutter | Part   | Description   | Cut Width         | Cutters | Spacers | Rods | End Plates |
|--|--------|---|-------------------|---------|---------|------|------------|
|  | 24D613 | Replacement 6pt Miller, Tungsten Carbide Cutters (6 pack) |                   | 6       |         |      |            |
|  | 24E214 | Completely assembled drum with cutters                    | 15.25 cm (6 inch) | 30      | 204     | 6    | 2          |
|  | 24D585 | Completely assembled drum with cutters                    | 20.5 cm (8 inch)  | 42      | 132     | 6    | 2          |
|  | 24D183 | Completely assembled drum with cutters                    | 25.5 cm (10 inch) | 54      | 66      | 6    | 2          |

See Repair manual for additional Cutter Stacking Recommendations

### MILLER



**APPLICATION:**  
Specifically used for thermoplastic, tape removal, and built-up paint

| Diamond Blades | Part   | Description   | Cut Width           | Blades | 1/8 in End Spacers | 1/4 in End Spacers | Square Key |
|----------------|--------|---|---------------------|--------|--------------------|--------------------|------------|
|                | 24E289 | Replacement Diamond Blade                             | 0.635 cm (1/4 inch) | 1      |                    |                    |            |
|                | 24B965 | Completely assembled drum for pavement grooving/inlay | 12.75 cm (5 inch)   | 30     | 204                | 21                 | 2          |
|                | 24D583 | Completely assembled drum for pavement grooving/inlay | 25.5 cm (10 inch)   | 42     | 132                | 2                  | 2          |

See Repair manual for additional Cutter Stacking Recommendations

### DYNACUT



**APPLICATION:**  
Specifically used to inlay and groove concrete and asphalt pavement



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

### Drum Components

- 24D610 Completely assembled drum without cutters and spacers  
– For use with all Tungsten Carbide Cutters
- 24D979 Replacement Drum Rods  
– For use with all Tungsten Carbide Cutters (6 pack)
- 24D980 Replacement Drum End Plates  
– For use with all Tungsten Carbide Cutters (2 pack)
- 24D981 Replacement Steel Spacers  
– For use with all Tungsten Carbide Cutters (20 pack)
- 16A259 Threaded End Cap  
– For use with all Diamond Blade Cutters
- 16A257 1/4 in Spacer  
– For use with all Diamond Blade Cutters
- 16A258 1/8 in Spacer  
– For use with all Diamond Blade Cutters
- 123252 Square Key  
– For use with all Diamond Blade Cutters
- 24D982 Assembled Diamond Drum without blades and spacers  
– For use with all Diamond Blade Cutters

### Line Pointer

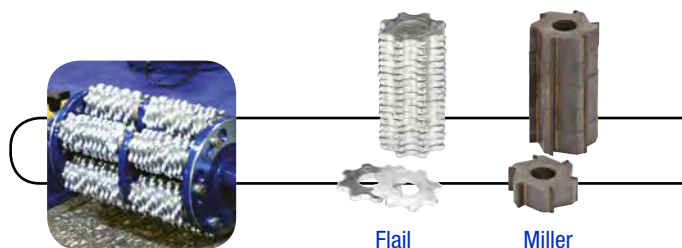
- 24D984 Line pointer system – 25 inch retractable steel pointer for keeping straight while guiding the GrindLazer



### GrindLazer Kits

(for GrindLazer 270 and GrindLazer 390 units only)

- 245321 Ball hitch kit –  
Used to hook up the LineDriver unit



## 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™ 630    |
|---|-----------------|-----------------|--------------------|
| Unit Only, No Drum or Cutters                               | 571002          | 571003          | 571260             |
| Unit with X" 8 pt Flail Carbide Cutters, Complete Assembly  | 571018 (8')     | 571013 (10')    | 571262 (10')       |
| Unit with X" 6 pt Miller Carbide Cutters, Complete Assembly | 571021 (8')     | 571022 (10')    | 571265 (10')       |
| Unit with 10" 5 pt Diamond Blades, Complete Assembly        |                 |                 | 571266             |
| Unit with 5" 5 pt Diamond Blades, Complete Assembly         |                 |                 | 571267             |
| Max. Cut Width - cm (in)                                    | 20 (8)          | 25 (10)         | 25 (10)            |
| Cut Direction   | Forward         | Forward         | Reverse/"Up-Cut"   |
| Removal Rate (walk) - m²/hr (sq ft/hr)                      | 55 (600)        | 75 (800)        | -                  |
| Removal Rate (ride) - m²/hr (sq ft/hr)                      | 120 (1300)      | 160 (1700)      | 195 (2100)         |
| Motor Engine - cc (HP)                                      | Honda® 270 (9)  | Honda® 390 (13) | Vanguard™ 630 (21) |
| Weight - kg (lbs)   | 135 (300)       | 140 (310)       | 154 (340)          |
| ProStart™ System  | Medium Duty     | Heavy Duty      | Extreme Duty       |
| Air Cleaner   | Cyclone         | Cyclone         | Heavy Duty Cyclone |