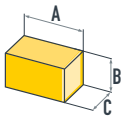
CONSTRUCTION LINE | LG

LEVELING GRADER

The grader is ideal for making **precise plans** for **roads**, **parking lots**, **sports facilities** and **squares**.
The **sturdy structure** allows to have a **great resistance to the shocks** that inevitably occur during the leveling work.
The unique **stress absorption system** received by the spring grader all**ows a large amount of material to be handled** for each pass without affecting the great stability that distinguishes it, thus allowing a **great speed of advancement**, with a consequent saving of time during work.
The two **sturdy front wheels** are completely free and **swivel 360 °** to provide **additional stability**. The front wheels are fully free and rotatable.
The grader is characterized by all the **hydraulic movements**: the translation, the inclination of the two independent sides to each other in order to perform double slopes and the rotation of the blade.
All **movements** are **regulated by proportional solenoid valves** that allow **great precision** both with manual operation and with automatic operation by means of a laser system.
The GF Gordini grader **can be combined with all laser systems** of any brand, both 2D and 3D.
As an option, on request, it is possible to have the manually **operated side wings** kit which guarantees greater versatility to the grader: side wings positioned at 90 ° or 45 ° with respect to the blade to contain the material during advancement, in a straight position to widen the blade itself.

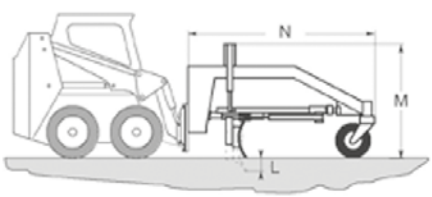
Model	LG 210 P	LG 240 P	LG 270 P

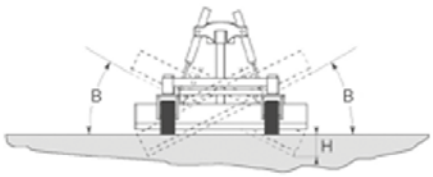
Dati Technical data	um			
Blade width (A)	mm	2133	2400	2700
Oil flow min-max	lt/min	20-80		
Oil pressure min-max	bar	120-250		140-250
Weight standard configuration	Kg	730	750	1000
Solenoid valve, blade tilt and adjustment skid		proportional(1)(2)		
Hydraulic lateral sideshift of the right/left blade (D)	mm	± 400		± 450
Hydraulic tilt of the right/left blade (B)		± 30°		
Hydraulic rotation of the right/left blade (C)		± 35		± 40
E	mm	860	962	1080
F	mm	1466	1600	1800
G	mm	1720	1924	2153
H	mm	578	643	713
L	mm	165	165	400
M	mm	1320		1397
N	mm	2220		2363
	ton	2,5-3,6		3,5-5,5
	ton	3,0-4,4		4,2-7,8
	ton	3,2-5,0		4,8-8,2

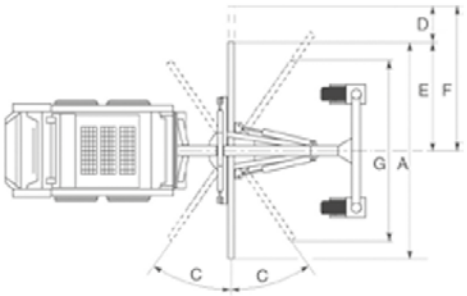
	Overall size in standard configuration	A cm B cm C cm	173 132 222	184 132 222	215 140 236

(1)Using the grader LG mod. "P" with the manual control ON-OFF the blade movement is ON-OFF. The proportional movement of the blade occurs only with the proportional laser automation system.
(2)Using the grader LG mod. "P" with the manual control PROPORTIONAL the movement of the blade is PROPORTIONAL.

WORKING DIMENSIONS

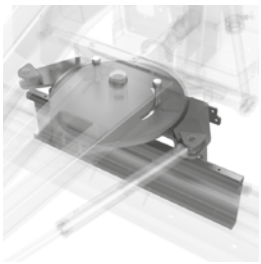






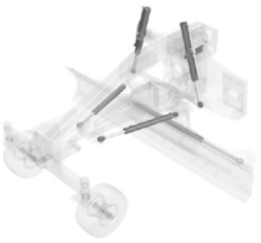
CONSTRUCTION LINE | LG

LEVELING GRADER



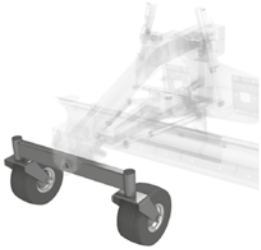
CENTRAL FIFTH WHEEL WITH BUTTONHOLES FOR REGULATION AND ELIMINATION OF JUGGLE

The central wheel, the **fundamental pivot** of the grader, held by a strong **central pin** locked with a nut. It can be adjusted (tighten) by **two screws** positioned laterally, which allow you to **limit to the maximum the juggle** that inevitably is created after the many hours of work. Unique in its kind, this system allows the grader to **maintain an excellent precision** even after many hours of use, also **limiting vibration** and loss of efficiency.



RIGHT AND LEFT INCLINATION, ROTATION AND LATERAL TRANSLATION TOTALLY HYDRAULIC, WITH PROPORTIONAL SOLENOID VALVE

In order to obtain an **extremely precise performance** by working both in manual mode, but even more in automatic mode, the grader is equipped with r**esistant and precise proportional hydraulic valves**.

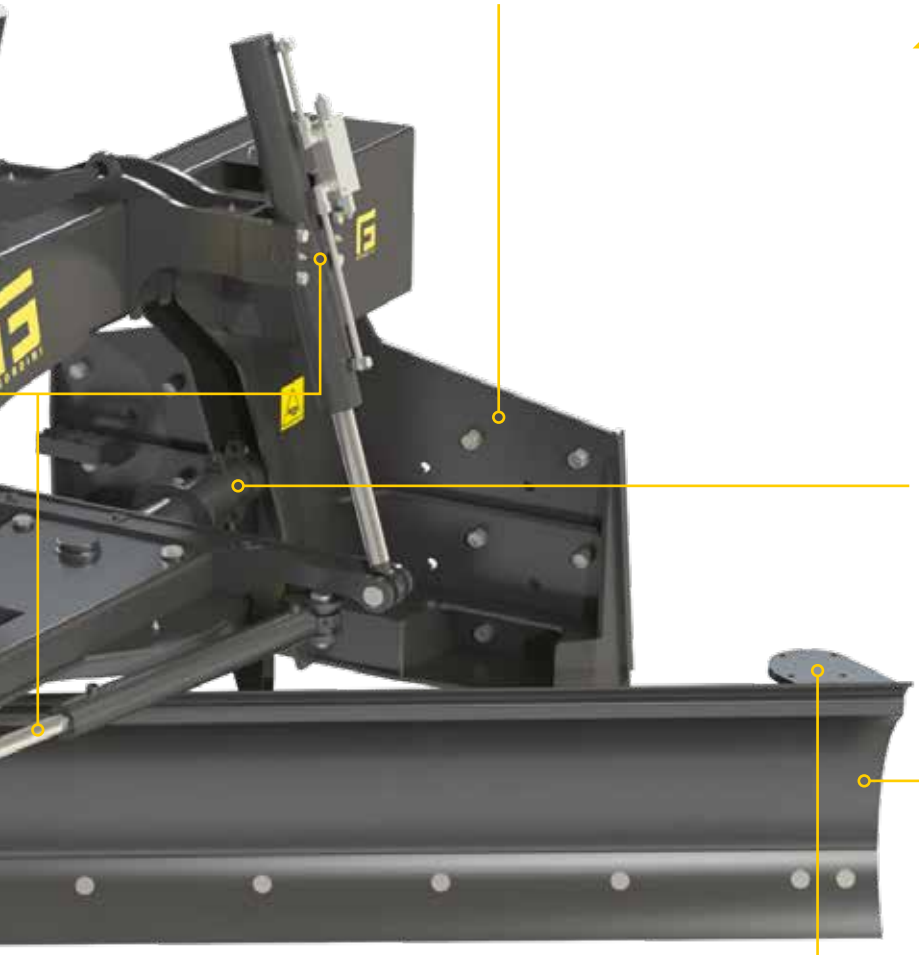


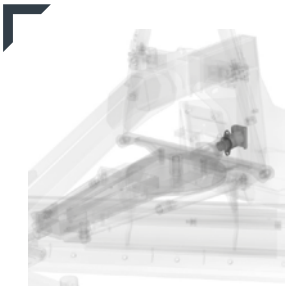
ROBUST FRONT WHEELS AND FRONT PART TRANSVERSELY MOVABLE

The front part is fundamental because it “bumps” the heaps of material to be levelled, as well as giving **great stability and strength** to all the equipment, which results in **precision and speed** of advancement.
The grader grader consists of a **sturdy front axle** that can be tilted transversely to allow the different inclinations of the ground to be absorbed. In addition, the **swivel wheels** (to 360°) are complete with **robust bearings** inside the hub, to withstand even the most violent stresses and the most heavy use

BOLTED PLATE

The plate is bolted and **interchangeable**. The grader has a **smooth and perforated plate**, on which you can place the dedicated attachment for the operating machine, giving it **great versatility**, allowing it to be mounted on machines with different connections, simply by replacing the mounting plate.





CENTRAL SPRING SYSTEM FOR SHOCK ABSORPTION THAT GUARANTEES GREAT STURDINESS AND ALLOWS GOOD FORWARD SPEED

The GF grader is built in such a way as to have a **system that can withstand any kind of impact**, as well as **absorb** the inevitable **stresses** during work. This guarantees **great resistance** over time and allows a **high advancement speed**, a fundamental element for users.

POSSIBILITY OF COMBINING WITH ALL LASER AUTOMATION SYSTEMS ON THE MARKET

The grader can be combined with any brand of laser. In order to obtain optimal **precision** and **working speed**, the **proportional solenoid valves can be interfaced** with any brand of laser automation. **Preparation kits** can be supplied for the most popular laser brands, in order to make the application of the sensors immediate and simple.

MECHANICAL SIDE EXTENSIONS (optional)

On request it is possible to add two side spreaders (one on each side), with the possibility of being added at a later time by means of a convenient drilling. They can be manually **set in three positions**: **fully open** (allowing the blade to extend 30cm per side), **90°** to contain the material and **45°** to obtain an intermediate position.