# **Leica Rugby 320 SG & 410/420 DG**The toughest players on big fields



# Leica Rugby 320 SG & 410/420 DG When accuracy is the goal, Leica Rugby makes the grade

Making the grade is what the Leica Rugby is all about. Whether your work requires level, single or dual grades and high accuracy over a long distance range, the Leica Rugby's extensive features will ensure both material and labour savings, keeping you on target to increase your bottom line.

The Leica Rugby Grade Lasers are automatic and selflevelling for jobs of any size, large or small. They can be used for any application involving precise grade control such as:

- Building pads, parking lots and runways
- Precise depth control for sub-base and fine grade excavation
- Agricultural applications such as land leveling or tiling
- Concrete forming and framework
- Retention ponds and batters
- Setting foundations and footings
- Absolute compatibility with the widest range of machine control solutions

### Why Leica Rugby is the toughest player on the field:

- Waterproof and dustproof to work reliably in all weather and job site conditions
- High-impact composite housing with protective rubber overmolding
- Cast aluminum base withstands rough handling and creates a stable platform
- Enclosed head for maximum internal component protection
- Long-range two-way remote control, optional with the Leica Rugby 400
  Series
- Superior battery concept (alkaline or NiMH rechargeable)



- Controls all Leica Rugby functions
- Change your settings "on-the-fly"
- Large display with backlight
- Water, dust and shockproof
- Superior radio performance
- Simplify workflow and reduce costs

Remote Control Specifications		
Instrument	Leica Rugby 410/420 DG	
Distance	225 m typical	
Battery Type	four AAA alkaline	
Size (HxWxD)	155x70x45mm	
Weight	410g	



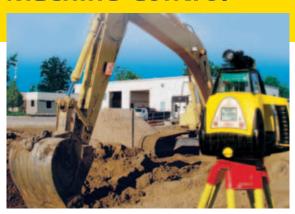
# Reliable in General Construction



## The Leica Rugby 320 SG/410 DG is perfect for general construction work

- Easy foundation setting thanks to the 5-button keypad
- Superior power management for working without interruptions (up to 130 hours)
- Full-function long-range two way remote control saves time and reduces communication errors from inside or outside the cab of the machine (Leica Rugby 410/420 DG only)
- High-power laser beam provides enhanced distance performance
- Rugged and reliable, works when you need it

## **Tough in Machine Control**



In the development of the Leica Rugby 320 SG and 410/420 DG models care was taken to ensure absolute compatibility with the widest range of machine control solutions. Your dealer will be pleased to advise you further.



### **Highest Accuracy** in Agriculture



#### The Leica Rugby 420 DG is perfectly suited for the agriculture market, where accuracy over a long range is required.

- Designed for agriculture applications, such as land leveling and tiling
- Highest accuracy over long distances
- Align the laser with a simple one-person operation using the manual-axis-alignment feature
- Eliminate communication errors using the longrange remote control
- Stable laser plane over the whole temperature range
- High performance for all day use

### User-friendly features give you the competitive edge for precise grade control



Feature access control using the 5-button concept



Direct grade entry for ease of use



**Elevation alert** monitors the height to prevent elevation errors



Wind sensitivity settings make it possible to work under adverse conditions



Beam masking electronically shutters the beam for multiple laser usage



High speed variable rotation for precise operations



Power management monitors battery status



Manual mode for special applications



Axis alignment to increase grade accuracy



Your personalized identification to support theft protection

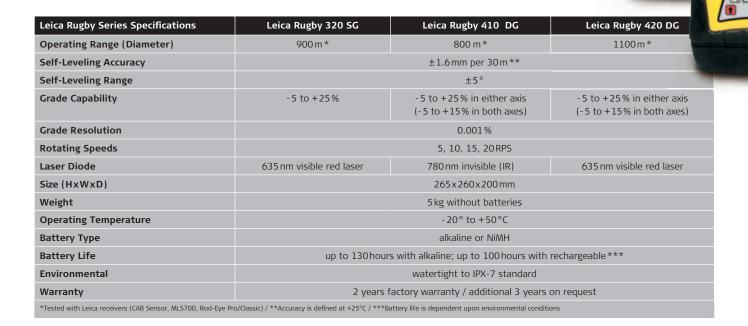


Long-range two-way remote control to reduce communication errors



Power-saving mode enables longer operation times









2 years standard +3 years extension available on request\*

\*For terms and conditions please refer to your sales person.

Leica Rugby Series Features by Model	Leica Rugby 320 SG	Leica Rugby 410 DG	Leica Rugby 420 DG
Simple to use 5-Button Keypad	<b>√</b>	<b>√</b>	<b>√</b>
Real-Time Grade Matching	$\checkmark$	$\checkmark$	$\checkmark$
Superior Dual Battery Concept	$\checkmark$	$\checkmark$	$\checkmark$
Scope Mount in Both Axes	$\checkmark$	$\checkmark$	$\checkmark$
Laser Beam Visible (Red)	$\checkmark$	-	$\checkmark$
Laser Beam Invisible (IR)	-	$\checkmark$	-
Grade Capability X (or Y) Axis -5 to +25%	<b>✓</b>	$\checkmark$	<b>✓</b>
Grade Capability in Both Axes -5 to +15%	-	$\checkmark$	<b>✓</b>
Long Range Remote Control	-	$\checkmark$	$\checkmark$
Axis Alignment	-	✓	$\checkmark$
Laser Plane Stabilization	-	-	<b>✓</b>
Enhanced Operating Range	-	-	✓

Whether you have to precisely lay out a construction site, perform control measurements, collect height and angle data, align concrete forms, install ceilings and partitions, lay gravity flow pipe, locate underground services or complete site preparation and earthworks – Leica Geosystems offers the right instrument, construction laser or machine control installation specifically designed for your construction application.

Easy-to-use, jobsite-tough, accurate and reliable – Leica Geosystems instruments and lasers ensure the efficient use of your materials and resources. High-quality products, such as optical and electronic levels, construction lasers, total stations and machine automation systems, provide fast results, keep you working and increase your profitability.

#### When it has to be right.

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Total Quality Management – our commitment to total customer satisfaction.

Ask your local Leica Geosystems dealer for more information about our TQM program.

**Leica Rugby 410 DG:** Laser class 1 in accordance with IEC 60825-1 resp. EN60825-1

**Leica Rugby 320 SG and 420 DG:** Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1



**Leica Sprinter** Quick, easy and efficient digital leveling



**Leica Piper 100/200** The world's most versatile pipe laser



**Leica Rugby 100LR** Accurate and reliable self-leveling laser



Leica Builder M/RM power The theodolite built for builders

