

## Quality that Counts

### Why do we call our laser a Leica Rugby?

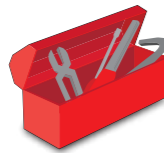
Like the game of Rugby, if you want to play, you have to be tough.

Known for years as the best quality in surveying instruments, the Leica Geosystems name stands for the highest level of quality, reliability and durability. The Leica Geosystems standard is built in to every Leica Rugby we produce.



The Leica Rugby has a high impact, glass filled housing, a solid metal base and it is 100% waterproof; which makes the Rugby the toughest and most durable laser in the industry.

The Leica Rugby laser has created a new standard in laser technology. A standard that others can only strive to match, but cannot compare.



Known not only for great products, the Leica Geosystems worldwide service organization is fully trained and authorized by the factory.

The quality of Leica Geosystems is backed by a full two-year warranty with knockdown protection. A five year program is available from your dealer when you buy your laser.

**5**

Years Warranty

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

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

**Swiss Technology**  
by Leica Geosystems



### Typical Rugby 280 DG Package:

Leica Rugby and Carrying Case,  
Leica Rod Eye Receiver,  
NiMH Battery Pack and Charger  
RF Remote Control



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 260 SG and 270 SG**  
Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1

**Leica Rugby 280 DG**  
Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1



**Leica Rugby 50**  
The one-button construction laser



**Leica Rugby 100**  
The tough construction laser



**Leica Rugby 320 SG & 410/420 DG**  
Single and dual grade construction laser



**Leica Builder**  
The theodolite built for builder



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



Leica Geosystems AG  
Heerbrugg, Switzerland  
[www.leica-geosystems.com](http://www.leica-geosystems.com)

- when it has to be right

**Leica**  
Geosystems

- when it has to be right

**Leica**  
Geosystems

**Leica Rugby 260SG, 270SG, 280DG**  
Keeps you working



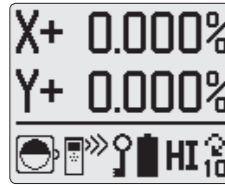


# Leica Rugby To build a Powerful Team

## Easy to Use

### User Friendly

The large, backlit, graphic display provides the user with a simple to use and easy to understand interface. (Leica Rugby 280DG shown)



### Easy Grade Entry

Select the axis, then press Up or Down to enter the required grade. Press Star button to enter higher grades by digit.



### Beam Masking

Turns off the laser diode on up to three sides to prevent unwanted disturbances



### Full Function Remote Control

The Leica Rugby 280DG is available with a remote to change all functions up to 100 m (330 ft)



### Lock Mode

Grade changes can be locked in the menu to prevent unwanted changes



### Battery Status

The battery status is always shown for the user's reference to keep you working



### Height of Instrument

The Rugby monitors level and alerts the user if it has moved or has been bumped



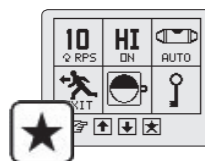
### Selectable Head Speeds

Head speed or scan mode (Rugby 280DG) are easily set to match your needs



### Easy to use menu

Press the Star button to open the menu and change settings



## Three Great Lasers!



### Make the Right Choice

The Leica Rugby 260SG, 270SG and 280DG offer the contractor a real choice of features and functionality.

### Upgrade Your Toolbox

Choose the grade laser that is right for your job and budget.

### Leica Rugby 260SG A highly accurate, general construction laser with single grade capability.

The Rugby 260SG is a rugged general construction laser with great accuracy, LCD grade readout and semi-automatic grade with bump alert.

### Leica Rugby 270SG A fully automatic, single grade laser.

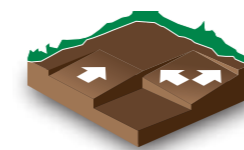
The Rugby 270SG is a fully automatic, single grade laser for the general construction contractor that needs a level or single slope for flat work, site preparation, septic installation, trenching and more.

### Leica Rugby 280DG Multipurpose Plus – A horizontal, vertical and dual grade laser for any exterior or interior application.

The Rugby 280DG is a multipurpose laser "Plus" with fully automatic, dual grade capability. It has a bright red beam, plumb beam, scan mode, horizontal and vertical self-leveling, plus dual grade up to 15% in both axes. Available with a two-way remote control, the Rugby 280DG fits well in any construction plan.



90° Plumb beam		Rugby 280DG
Vertical operation		Rugby 280DG
RF remote control		Rugby 280DG
Dual grade to ± 15%		Rugby 280DG
Single grade to ± 15%		Rugby 280DG
Fully automated grade control		Rugby 270SG
Single grade to ± 10% (semi-automatic)	Rugby 260SG	Rugby 270SG
Beam masking		Rugby 260SG
Bright, visible beam		Rugby 260SG
Large, intuitive, graphic display		Rugby 260SG
Simple, five-button operation		Rugby 260SG



Single and Dual Grade



350 m (1,150 ft) Radius



Customer Identification

Rugby Features	Rugby 260SG	Rugby 270SG	Rugby 280DG
Operating Radius	300 m (1,000 ft)*	350 m (1,150 ft)*	350 m (1,150 ft)*
Grade Capability	Single axis ±10%	Single axis ±15%	Dual axis ±15%
Rotating Speeds	10	5, 10	0, 2, 5, 10
Scanning Modes	-	-	10, 45, 90°
RF Remote Control	-	-	100 m (330 ft)
Self-Leveling Accuracy	1.5 mm per 30 m (1/16" per 100 ft.)**		
Grade Accuracy	3.0 mm per 30 m (1/8" per 100 ft.)		
Self-Leveling Radius	±5°		
Laser Diode	635 nm		
Size (H x W x D)	197 x 248 x 175 mm (7.8 x 9.8 x 6.9 in)		
Weight	2.95 kg (6.5 lb) with batteries		
Operating Temperature	-20 °C to +50 °C (-4 °F to +122 °F)		
Battery type	Alkaline or rechargeable NiMH		
Battery Life	70 hours alkaline, 40 hours rechargeable***		
Environmental	IP67		
Warranty	Two year with knockdown warranty/additional three years on request****		

\* Operating range is receiver dependent  
 \*\* Accuracy is defined at 25°C  
 \*\*\* Battery life is dependent on environmental conditions  
 \*\*\*\* For terms and conditions please refer to your sales representative

## Flexible, Reliable, Accurate

Proven performance, the Rugby family of lasers are perfect for virtually any application.



Concrete Pours



Forms and Footings



Excavations



Site Preparation

### The Leica Rod Eye Family of Receivers

Ask your dealer about the right receiver for your job.



Leica Rod Eye Digital  
 Leica Rod Eye Plus  
 Leica Rod Eye Basic  
 Available July 2009