

Leica Rugby 320, 410 and 420 grade lasers

Technical Data Sheet



Technical Data	Leica Rugby 320	Leica Rugby 410	Leica Rugby 420
Functionality	Heavy duty, fully automatic, self-levelling with dial-in, single axis slope	Heavy duty, fully automatic, self-levelling with dial-in, dual axis slope	Heavy duty, fully automatic, self-levelling with dial-in, dual axis slope
Range (diameter)	900 m	800 m	1100 m
Self-levelling accuracy (defined at +25 °C)	±1.5 mm @ 30 m	±1.5 mm @ 30 m	±1.5 mm @ 30 m
Self-levelling range	± 5°	± 5°	± 5°
Grade capability	-5 to +25% in one axis	-5 to +25 % in either axis (-5 to +15 % in both axes)	-5 to +25 % in either axis (-5 to +15 % in both axes)
Rotation speeds	5, 10, 15, 20 rps	5, 10, 15, 20 rps	5, 10, 15, 20 rps
Laser diode type / class	635 nm, Class 2	780 nm, Class 1	635 nm, Class 2
Battery type	Alkaline or NiMH	Alkaline or NiMH	Alkaline or NiMH
Battery life (alkaline / NiMH)	130 hours / 100 hours @ 20°C	130 hours / 100 hours @ 20°C	130 hours / 100 hours @ 20°C
Battery type	Alkaline or NiMH	Alkaline or NiMH	Alkaline or NiMH
Protection class (splash water/dust proof)	IP 67	IP 67	IP 67
Operating temperature	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
Weight without batteries	5 kg	5 kg	5 kg
H.I. elevation alert	NO	YES	YES

- when it has to be **right**

Leica
Geosystems