

Technical Specifications

These measurements must be considered with information on page 2

VERTICALLY INSTALLED AND VERTICAL LOAD	BEACH SAND	GRASSY SOFTISH SANDY GROUND	WET/DAMP DIRTY SAND	MIXED CLAY/ LOAM. NOTES*	MIXED CLAY. SEE NOTES*	FIRM CLAY***
Spike tent stake 300mm x 10mm (12"x3/8")	3kg (6.6lb)	17kg (37lb)	20kg (44lb)	7kg (15lb)	23kg (50lb)	NA
GR13S 300mm x 10mm (12" x 3/8")	21kg (46lb)	63kg (138lb)	55.5kg (122lb)	46kg (101lb)	99kg (218lb)	227kg (499lb)
Spike tent take 450mm x 10mm (18" x 3/8")	17.5kg (38lb)	30kg (66lb)	42.5kg (93lb)	19kg (42lb)	32kg (70lb)	NA
GR13M 450mm x 10mm (18" x 3/8")	79kg (174lb)	176kg (387lb)	158kg (347lb)	67kg (147lb)	248kg (545lb)	443kg (975lb)
Spike tent stake 600mm x 10mm (24" x3/8")	18kg (39lb)	46kg (101lb)	49kg (108lb)	88kg (193lb)	109kg (240lb)	NA
GR13L 600mm x 10mm (24" x 3/8")	129kg (284lb)	290kg (638lb)	249kg (548lb)	239kg (526lb)	239kg** (526lb)	635kg (1397lb)
SR14 400mm (15 3/4")	45kg (99lb)	101kg (222lb)	139.5kg (307lb)	102kg (224lb)	238kg (523lb)	Do not use. Ground too hard
Spike tent stake 450mm x 15mm (18" x 9/16")	7kg (15lb)	59kg (130lb)	47kg (103lb)	40kg (88lb)	63kg (138lb)	NA
GR14S 450mm x 15mm (18" x 9/16")	72kg (158lb)	368kg (809lb)	142kg (312lb)	118kg (259lb)	316kg (695lb)	NA
Spike tent stake 600mm x 15mm (24" x 9/16")	26kg (57kg)	109kg (240lb)	69kg (152lb)	98kg (215lb)	228kg (501lb)	NA
GR14M 600mm x 15mm (24" x 9/16")	142kg (312lb)	431kg (948lb)	299kg (658lb)	299kg (658lb)	289kg** (636lb)	NA
Spike tent take 900mm x 15mm (36' X 9/16")	57kg (125lb)	70kg (154lb)	83kg (182lb)	>1000kg# (2200lb)	999kg# (2198lb)	NA
GR14L 900mm x 15mm (36" x 9/16")	349kg (768lb)	509kg (1120lb)	478kg (1051lb)	>1000kg# (2200lb)	798kg**# (1755lb)	NA

All are absolute peak readings

Do Not Use

Not Recommended

Recommended

*Variable density and damp ground effecting readings

** From approximately 400mm (18") down, the ground density was soft. Misleading results

> Reached crane scales 1,000kg (2,200lb) maximum limit

From the depth of approximately 600mm (24") the ground was extremely dense

!, Tests by John Clark. Results are averaged <https://www.youtube.com/watch?v=lv7O4wLpl18>

Only deployed to 700mm (27") due to extremely dense ground

IMPORTANT NOTES

- SR14 = GroundGrabba Lite ** Not for commercial use
- All tests are vertical insertion and vertical loading.
- All listed results are momentary peak readings.
- All test spike stakes tested are not produced or sold by GroundGrabba and are for reference comparison only.
- DO YOUR OWN TESTING to determine actual hold down forces in the ground YOU are about to anchor down into.
- THESE READINGS ARE UNCERTIFIED AND UNOFFICIAL.
- DO NOT RELY ON OUR FINDINGS.
- No data yet available for harder grounds. TBA
- DO NOT deploy where there is a risk of striking underground services such as electricity, gas, communications, water, sewer

- GroundGrabba Pro (GR13S) 300mm (12")
- GroundGrabba Pro I (GR13M) 450mm (18")
- GroundGrabba Pro II (GR13L) 600mm (24")
- GroundGrabba SR14 400mm (15 3/4")
- GroundGrabba GR14S Commercial Use 450mm (18")
- GroundGrabba GR14M Commercial Use 600mm (24")
- GroundGrabba GR14L Commercial Use 900mm (36")

Responsibility for the use of GroundGrabba products lies with the user

