

HULK Earth Anchors

HOLDING CAPACITY CHART

Hulk H50, H80, and H110 based on an installation depth of 1.2m cabled with an 8mm wire rope tendon.

Hulk HG100 and HG180 based on an installation depth of 2.1m, installed with a 22mmØ CTB anchor rod.

Soil Description	Blow	HULK	HULK	HULK	HULK	HULK	HULK
	Count	H50	H80	H110	HG100	HG180	HG320
	(N)						
Ultimate anchor strength	N/A	45kN	45kN	45kN	280kN	280kN	280kN
Very dense / cemented	60+	45kN	45kN	45kN	140-280kN	N/A	N/A
sands; Coarse gravel and cobbles		(1,3)	(1,3)	(1,3)	(1,3)	(5)	(5)
Dense fine compacted	45-60	27-45kN	45kN	45kN	105-140kN	170-280kN	201-280kN
sands; Very hard silts or clays		(2,3,4)	(2,3)	(2,3)	(2,4)	(1,3,4)	(1,3)
Dense clays, sands and	35-50	18-27kN	24-36kN	45kN	75-100kN	113-170kN	160-201kN
gravels; Hard silts and clays		(4)	(4)	(2,3)	(2,4)	(2,4)	(2,3,4)
Medium dense sandy	24-40	13-18kN	18-22kN	23-30kN	60-90kN	85-95kN	121-170kN
gravel; Stiff to hard silts and clays		(4)	(4)	(4)	(4)	(2,4)	(2,4)
Mediums dense coarse	14-25	9-13kN	14-18kN	18-23kN	45-60kN	40-95kN	90-121kN
sand and sandy gravel; Stiff to very stiff silts and clays		(4)	(4)	(4)	(4)	(4)	(4)
Loose to medium dense	7-14	7-11kN	9-16kN	13-20kN	35-50kN	47-71kN	70-90kN
fine to coarse sand; Firm to stiff clays and silts		(4)	(4)	(4)	(4)	(4)	(4)
Loose fine sand; Alluvium;	4-8	4-7kN	6-10kN	8-13kN	25-40kN	38-56kN	45-70kN
Soft clays; Fine saturated silty sand		(4,6)	(4,6)	(4,6)	(4,6)	(4,6)	(4,6)

1) Drilled pilot hole required for efficient installation.

- 2) Ease of installation may be improved by drilling a pilot hole.
- 3) Holding capacity limited by ultimate strength of anchors.
- 4) Holding capacity limited by soil structure.
- 5) Not recommended in these soils.

Wide variation in soil properties reduces prediction accuracy. Pre-construction field test is recommended.

Predicted ultimate holding capacities are based on the results of extensive testing and are offered as an application guide only. Users must factor in their individual, appropriate safety factors.



www.hulkearthanchors.com www.arandr.com.au 1300 MyAncor (692626) info@arandr.com.au



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