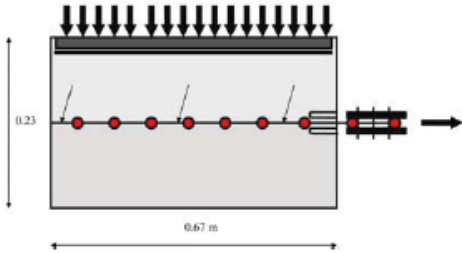




Pullout Testing: BaseGrid Geogrids

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BASEGRID* MULTI-LAYER GEOGRIDS IN THE LAB

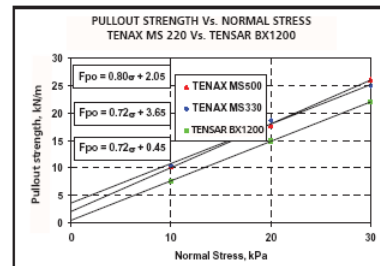
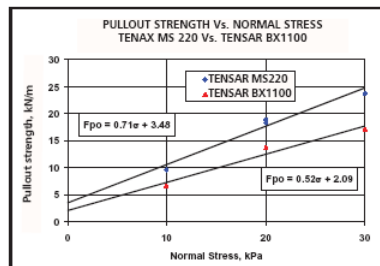


BaseGrid* geogrids have been comprehensively tested in the laboratory. These tests include both index and performance tests which substantiate the field results that multi-layer geogrids reinforce and stabilize as effectively as a single layer biaxial geogrids.

PRODUCT NAME	PROPERTY	BASE GRID* 22	BASE GRID* 22	BASE GRID* 22	BASE GRID* 22	BASE GRID* 22	TENSAR BX 1100	TENSAR BX 1100	TENSAR BX 1100	TENSAR BX 1100
Test Direction		TD	TD	TD	TD	TD	TD	TD	TD	TD
Normal Stress	kPa	40	30	20	20	10	40	30	20	10
Test	n	6	14	5	8	7	11	27	10	12
Max. Pullout Strength	KN/m	25.72	23.72	18.27	18.91	9.58	19.50	17.10	13.76	6.70
Max. Pullout Stress	kPa	43.96	40.55	31.24	32.33	16.38	33.30	29.20	23.52	11.40
Failure Type		Tension	Tension	Pullout	Pullout	Pullout	Tension	Tension	Pullout	Pullout
Ø soil	deg	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00
Specimen Length, L	m	0.585	0.585	0.585	0.585	0.585	0.585	0.585	0.585	0.585
Pullout Interaction Factor	fpo	0.70	0.87	1.00	1.03	1.05	0.53	0.62	0.75	0.73

PRODUCT NAME	PROPERTY	BASE GRID* 22	BASE GRID* 22	BASE GRID* 22	BASE GRID* 22	BASE GRID* 22	TENSAR BX 1100	TENSAR BX 1100	TENSAR BX 1100	TENSAR BX 1100
Test Direction		TD	TD	TD	TD	TD	TD	TD	TD	TD
Normal Stress	kPa	30	20	10	30	20	10	30	20	10
Test	n	17	15	16	23	21	22	20	18	19
Max. Pullout Strength	KN/m	24.93	18.71	10.53	26.14	17.70	10.18	22.00	14.90	7.60
Max. Pullout Stress	kPa	42.62	31.99	17.99	44.69	30.26	17.40	28.30	25.50	13.00
Failure Type		Pullout	Pullout	Pullout	Pullout	Pullout	Pullout	Pullout	Pullout	Pullout
Ø soil	deg	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00
Specimen Length, L	m	0.585	0.585	0.585	0.585	0.585	0.585	0.585	0.585	0.585
Pullout Interaction Factor	fpo	0.91	1.02	1.15	0.95	0.97	1.11	0.80	0.82	0.83

*US Fabrics BaseGrid 22 & BaseGrid 33 are private label versions of the Tenax MS220 & MS330



BaseGrid 22



Tensar BX 1200

