

Teupen TL92SJ

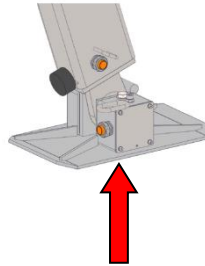
Pressures and Force:

Stable ground

I. Force Impact

1. Machine Effect on Floor Surface Material - Outriggers

Maximum Force on Floor Material under single outrigger (fully loaded machine with max basket load)	26 kN	5845 lb force
Total area of a single outrigger foot (based on foot dimensions 22cm x 31cm)	682 cm ² * hard	105.7 sq in
Max. ground pressure (force / area of plate)	38.1 N/cm ² *	55.3 psi

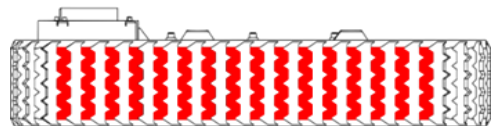
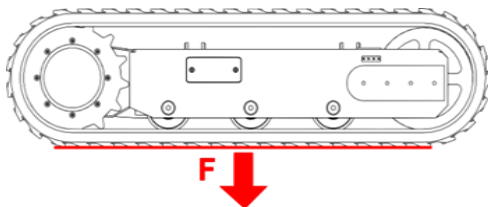


Suggestion: Option / extra – synthetic underplate for outrigger

30cm x 85cm (11.8x33.5in) , 2911 / 0241	10.2 N/cm ²	14.8 psi
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2. Machine Effect on Floor Surface Material – Tracks

Max. load under one track (machine weight / 2) (4300kg / 2)	21.1 kN	4743 lb force
Crawler area in contact with surface	735 cm ² *	114 sq in
Max. ground pressure	28.7 N/cm ² *	41.6 psi

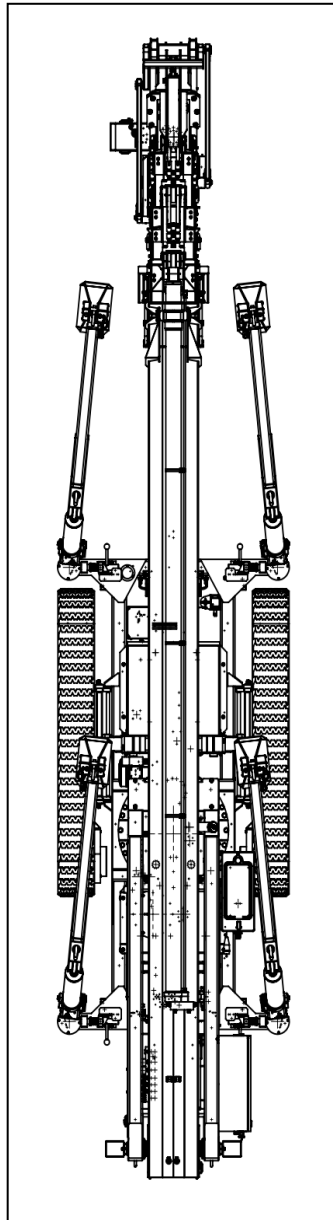


41.6 psi

II. Live Load (Weight and Pressure) Impact on Structure (The Machine Live Load over projected area of machine.)

1. Area load in transport position (Unloaded basket)

Area in transport position (projected area 7.2m x 1.58m)	11.4 m ²	122.7 sq ft
Machine loading in transport position	42.1 kN	9,464 lb force
Area pressure	3.7 kN/m ²	77 psf



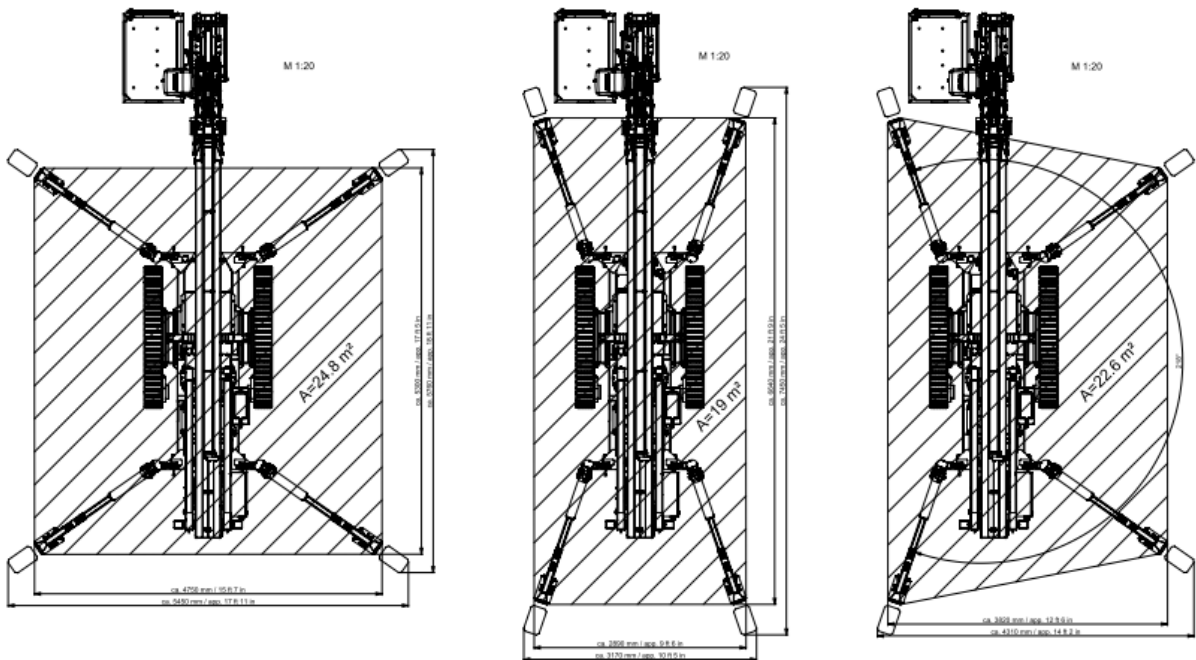
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2. Area pressure in working position

Area in working position (outrigger wide / wide)	24.8 m ²	267 sq ft
Area in working position (outrigger narrow / wide)	22.6 m ²	243 sq ft
Area in working position (outrigger narrow / narrow)	19 m ²	205 sq ft



Machine loading in working position (with full load in basket)	44.14 kN	9223 lb force
Area pressure (outrigger wide / wide)	1.7 kN/m ²	35.5 psf
Area pressure (outrigger narrow / wide)	1.9 kN/m ²	39.6 psf
Area pressure (outrigger narrow/narrow)	2.3 kN/m ²	48 psf