

# Material Properties and Dimensions



Excel Straw Logs™



## Specifications

Western Excelsior manufactures Excel Straw Logs in addition to a full line of Rolled Erosion Control Products (RECPs). Excel Straw logs consist of 100% clean, weed free straw fiber matrix confined by a synthetic net to form a log of specific length and diameter. Excel Straw Logs are designed to reduce hydraulic energy and filter sediment laden flow in channels and on slopes. The logs are flexible to conform to the soil surface and are secured by staking. Excel Straw Logs can be ordered in custom lengths to meet specific job conditions.

Each Excel Straw Log is made in the USA and manufactured under Western Excelsior's Quality Assurance Program to ensure a continuous distribution of fibers and consistent dimensions. Log dimensions are provided in Table 1 and product characteristics are provided in Table 2. Installation instructions and performance data are available from Western Excelsior's Technical Support Division.

Table 1 - Specified Expected Values

Diameter	10 ft (3.0 m) Length	20 ft (6.0 m) Length	25 ft (7.6 m) Length
9 in (0.23 m)	14.0 lbs (6.4 kg) 1.4 lbs/ft (2.1 kg/m) 3.3 lbs/ft <sup>3</sup> (52.3 kg/m <sup>3</sup> )	28.0 lbs (12.7 kg) 1.4 lbs/ft (2.1 kg/m) 3.2 lbs/ft <sup>3</sup> (51.6 kg/m <sup>3</sup> )	35.0 lbs (15.9 kg) 1.4 lbs/ft (2.1 kg/m) 3.2 lbs/ft <sup>3</sup> (51.5 kg/m <sup>3</sup> )
12 in (0.31 m)	25.0 lbs (11.3 kg) 2.5 lbs/ft (3.7 kg/m) 3.3 lbs/ft <sup>3</sup> (53.0 kg/m <sup>3</sup> )	50.0 lbs (22.7 kg) 2.5 lbs/ft (3.7 kg/m) 3.2 lbs/ft <sup>3</sup> (52.1 kg/m <sup>3</sup> )	62.5 lbs (28.4 kg) 2.5 lbs/ft (3.7 kg/m) 3.2 lbs/ft <sup>3</sup> (51.9 kg/m <sup>3</sup> )
18 in (0.46 m)	35.0 lbs (15.9 kg) 3.5 lbs/ft (5.2 kg/m) 1.7 lbs/ft <sup>3</sup> (33.5 kg/m <sup>3</sup> )	70.0 lbs (31.8 kg) 3.5 lbs/ft (5.2 kg/m) 2.0 lbs/ft <sup>3</sup> (32.7 kg/m <sup>3</sup> )	87.5 lbs (39.7 kg) 3.5 lbs/ft (5.2 kg/m) 2.0 lbs/ft <sup>3</sup> (32.5 kg/m <sup>3</sup> )
20 in (0.51 m)	50.0 lbs (22.7 kg) 5.0 lbs/ft (7.4 kg/m) 2.4 lbs/ft <sup>3</sup> (39.0 kg/m <sup>3</sup> )	100.0 lbs (45.4 kg) 5.0 lbs/ft (7.4 kg/m) 2.4 lbs/ft <sup>3</sup> (37.9 kg/m <sup>3</sup> )	125.0 lbs (56.7 kg) 5.0 lbs/ft (7.4 kg/m) 2.3 lbs/ft <sup>3</sup> (37.7 kg/m <sup>3</sup> )

Table 2 - Netting

Fiber Composition	100% Clean, Weed free Straw
Netting	0.50" x 0.50" Heavy Duty Synthetic
Configuration	Cylindrical with Closed Ends
End Closure	Hog Ring or Tied

\*All values shown measured at the time of manufacture.

Document # WE\_EXCEL\_ESL\_SPEC. This document has been developed to provide the characteristic properties of the product described and supersedes all previous versions. For question, to request performance data or installation recommendations, contact Western Excelsior at 1-866-540-9810 or wexcotech@westernexcelsior.com. Updated 8/1/2016.