

Technical Specification

T0412 Track: Screwspikes



Please read the Written Notices
attached to this standard

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1 Purpose

- 1.1 The purpose of this specification is to specify the requirements for the material for screwspikes.

2 Scope

- 2.1 This specification applies to screwspikes intended for use in softwood and hardwood.

3 Material for screwspikes

3.1 General requirements

- 3.1.1 Material for screwspikes shall be steel conforming with BS 64.
- 3.1.2 High tensile steel shall have the following physical properties:
- a) ultimate tensile strength not less than 770 MPa;
 - b) elongation not less than 20% or as otherwise shown on drawings;
 - c) reduction in area not less than 50%;
 - d) Izod test (BS 131-1) not less than 68 J (50 ft-lb).
- 3.1.3 Screwspikes shall be straight over their length to within 0.8mm.
- 3.1.4 Screwspikes shall have a surface finish as specified at the time of order. For the information of suppliers, the finishes required by LU are as follows:
- a) black;
 - b) hot-dip galvanised to BS 7371-6 or ISO 1461.

3.2 Dimensions and steel grades

- 3.2.1 LU's standard range of screwspikes is tabulated in Attachment 1.
- 3.2.2 Where alternative designs are proposed they shall
- a) be fit for purpose and shall conform with the performance criteria shown in Attachment 2;
 - b) be of a diameter, length and thread form capable of giving pull-out resistances comparable to standard designs when inserted into holes of 17mm diameter (softwood) or 19mm (hardwood);
 - c) have heads similar to those of LU's standard designs shown in Attachment 1 in order to ensure compatibility with tools in current use and with the track components being secured. Although some current designs have no radius indicated between the underside of the head and the shank, a radius of approximately 2mm is desirable at this position.

3.3 Identification of screwspike type

- 3.3.1 Each screwspike shall be supplied with its head stamped with the following:
- a) the manufacturer's name or initials;
 - b) the year of manufacture;