

APPENDIX A – SURFACE AREA OF DUCTWORK

A1

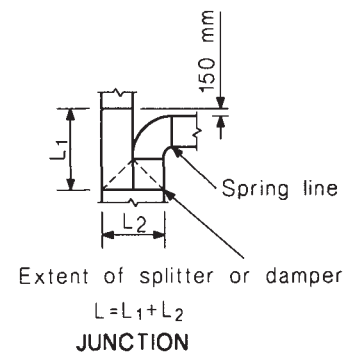
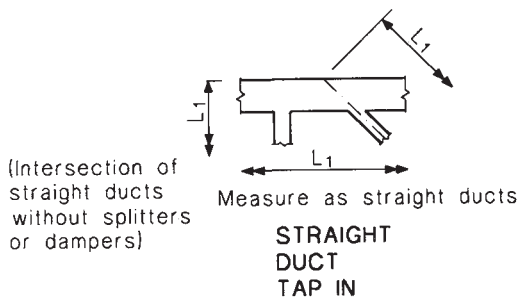
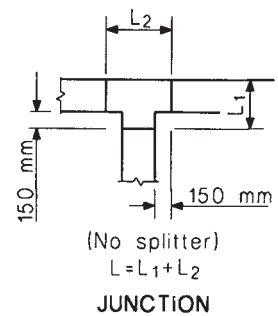
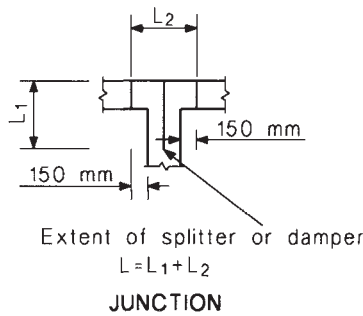
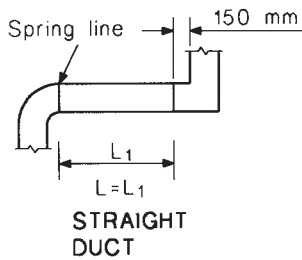
This Appendix illustrates the method of calculating surface area of ductwork as required by 25.4.3.3.

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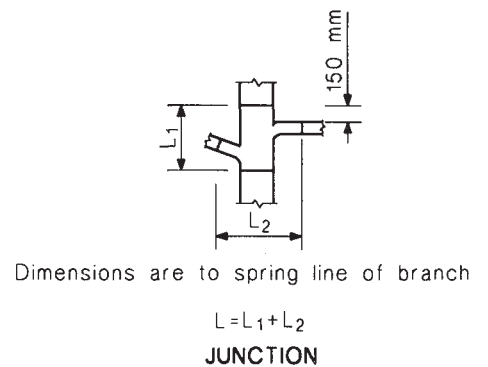
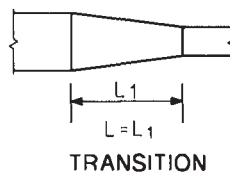
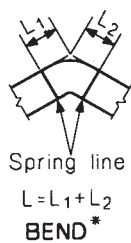
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All calculations are based on air stream size

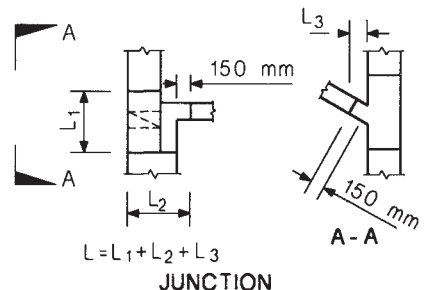
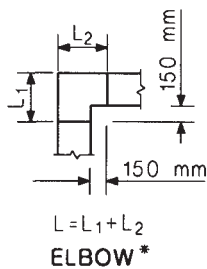
Surface area = $P \times L$, where P = perimeter of largest end
 L = length of duct or fitting calculated as follows:



(Any angle up to and including 90°)



(Any angle up to and including 90°)



* If over 90° to be considered two bends - one 90°, the other the remainder

Duct pieces not conforming with the above diagrams shall have the area calculated by applying the same principles.

Lines in diagrams do not necessarily indicate the positions of joints in the ductwork. Splitters are not measured but are deemed to be covered by the foregoing formulae.

Figure A1 – Surface area of ductwork