

8.10.1.2 Pre-tensioned tendons

(1) The minimum clear horizontal and vertical spacing of individual pre-tensioned tendons should be in accordance with that shown in Figure 8.14. Other layouts may be used provided that test results show satisfactory ultimate behaviour with respect to:

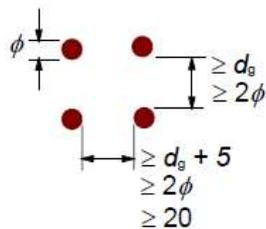
- the concrete in compression at the anchorage
- the spalling of concrete
- the anchorage of pre-tensioned tendons
- the placing of the concrete between the tendons.

Consideration should also be given to durability and the danger of corrosion of the tendon at the end of elements.

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Note: Where ϕ is the diameter of pre-tensioned tendon and d_g is the maximum size of aggregate.

Figure 8.14: Minimum clear spacing between pre-tensioned tendons.