

CODE

COMMENTARY

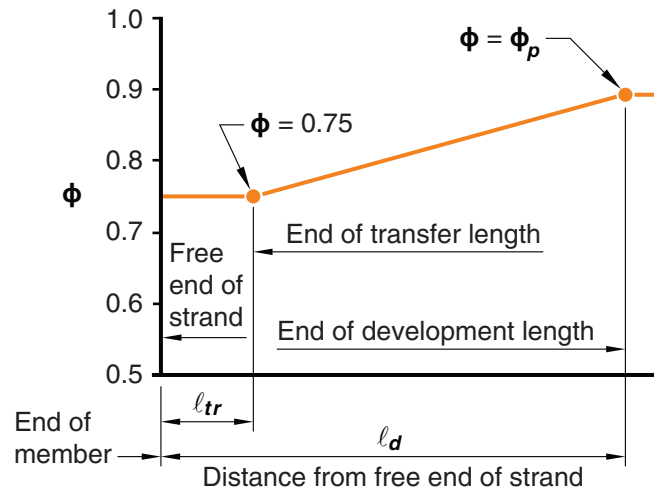
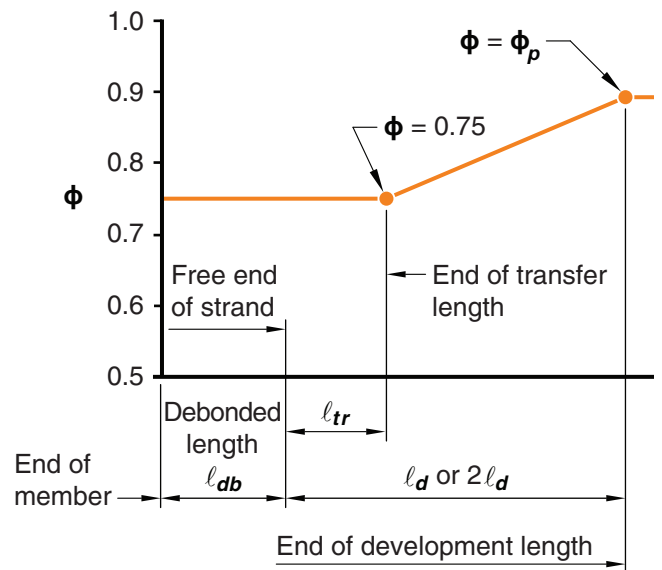


Fig. R21.2.3a—Variation of ϕ with distance from the free end of strand in pretensioned member with fully bonded strands.



Note: The location of the end of development length depends on the calculated stresses in the extreme concrete fiber of the precompressed tension zone under service loads.

Fig. R21.2.3b—Variation of ϕ with distance from the free end of strand in pretensioned member with debonded strands.

21.2.4 For structures that rely on elements in (a), (b), or (c) to resist earthquake effects E , the value of ϕ for shear shall be modified in accordance with 21.2.4.1 through 21.2.4.4:

- (a) Special moment frames
- (b) Special structural walls
- (c) Intermediate precast structural walls in structures assigned to Seismic Design Category D, E, or F