ÁBACO 32
FLEXÃO COMPOSTA
Secções rectangulares

A500 \( f_{syd} = 435 \text{ MPa} \)

\( A'/A = 1.0 \quad a/h = 0.05 \)

\[ e = \frac{M_{Rd}}{N_{Rd}} \]
\[ \alpha = \frac{x}{h} \]

\( A_s \) - Área total de armadura
\( A_s = A + A' \)

\[ \nu = \frac{N_{Rd}}{bh f_{cd}} \]

\[ \mu = \frac{M_{Rd}}{bh^2 f_{cd}} \]

\[ \omega = \frac{A_s f_{syd}}{bh f_{cd}} \]

Classe do betão | B15 | B20 | B25 | B30 | B35 | B40 | B45 | B50 | B55
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\( f_{cd} \) (MPa) | 8,0 | 10,7 | 13,3 | 16,7 | 20,0 | 23,3 | 26,7 | 30,0 | 33,3