

**[2015 콘크리트 기사·산업기사 실기] 1차 정오표**  
**[2015.4.15.]**

※ 학습에 불편을 드려 죄송합니다.

페이지	교정전	교정후
1-265 30번 해설	가. ~~ $V_s = \frac{A_v f_{yt} d}{s} = \frac{142.66 \times 350 \times 450}{200}$ $= 112345\text{N} = 112.34\text{kN} < 440.91\text{kN}$ $\therefore \phi V_n = \phi(V_c + V_s)$ $= 0.75(110.23 + 112.34) = 166.93\text{kN}$	가. ~~ $V_s = \frac{A_v f_{yt} d}{s} = \frac{142.6 \times 2 \times 350 \times 450}{200}$ $= 224,595\text{N} = 224.60\text{kN} \leq 548\text{kN}$ $\therefore \phi V_n = \phi(V_c + V_s)$ $= 0.75(110.23 + 224.60) = 251.13\text{kN}$
2-71 7번 해설	나. ~~ $V_s = \frac{A_v f_{yt} (\sin\alpha + \cos\alpha) d}{s}$ $= \frac{142.66 \times 350 \times (\sin 60^\circ + \cos 60^\circ) \times 450}{200}$ $= 153466\text{N} = 153.47\text{kN}$ $\therefore \phi V_n = \phi(V_c + V_s)$ $= 0.75 \times (110.23 + 153.47) = 197.78\text{kN}$	나. ~~ $V_s = \frac{A_v f_{yt} (\sin\alpha + \cos\alpha) d}{s}$ $= \frac{142.6 \times 2 \times 350 \times (\sin 60^\circ + \cos 60^\circ) \times 450}{200}$ $= 306,802\text{N} = 306.80\text{kN}$ $\therefore \phi V_n = \phi(V_c + V_s)$ $= 0.75 \times (110.23 + 306.80) = 312.77\text{kN}$
1-265~266 31번 해설	가. ~~ $V_s = \frac{A_v f_{yt} d}{s} = \frac{126.7 \times 400 \times 500}{120}$ $= 211,167\text{N} = 211.17\text{kN} \leq 548\text{kN}$ $\therefore \text{설계 전단 강도 } \phi V_n = \phi(V_c + V_s)$ $= 0.75(136.93 + 211.17) = 261.08\text{kN}$	가. ~~ $V_s = \frac{A_v f_{yt} d}{s} = \frac{126.7 \times 2 \times 400 \times 500}{120}$ $= 422,333\text{N} = 422.33\text{kN} \leq 548\text{kN}$ $\therefore \text{설계 전단 강도 } \phi V_n = \phi(V_c + V_s)$ $= 0.75(136.93 + 422.33) = 419.45\text{kN}$
2-103~104 12번 해설	나. ~~ $V_s = \frac{A_v f_{yt} (\sin\alpha + \cos\alpha) d}{s}$ $= \frac{126.7 \times 400 \times (\sin 60^\circ + \cos 60^\circ) \times 500}{120}$ $= 288,459\text{N} = 288.46\text{kN}$ $\phi V_n = \phi(V_c + V_d)$ $= 0.75(136.93 + 288.46) = 319.04\text{kN}$	나. ~~ $V_s = \frac{A_v f_{yt} (\sin\alpha + \cos\alpha) d}{s}$ $= \frac{126.7 \times 2 \times 400 \times (\sin 60^\circ + \cos 60^\circ) \times 500}{120}$ $= 576,918\text{N} = 576.92\text{kN}$ $\phi V_n = \phi(V_c + V_s)$ $= 0.75(136.93 + 576.92) = 535.39\text{kN}$