

Provision number	SI-metric stress in MPa	mks-metric stress in kgf/cm ²	U.S. Customary units stress in pounds per square inch (psi)
22.2.2.4.3(b)	$0.85 - \frac{0.05(f'_c - 28)}{7}$	$0.85 - \frac{0.05(f'_c - 280)}{70}$	$0.85 - \frac{0.05(f'_c - 4000)}{1000}$
22.5.1.2	$V_u \leq \phi(V_c + 0.66\sqrt{f'_c} b_w d)$	$V_u \leq \phi(V_c + 2.2\sqrt{f'_c} b_w d)$	$V_u \leq \phi(V_c + 8\sqrt{f'_c} b_w d)$
22.5.5.1(a)	$\left(0.17\lambda\sqrt{f'_c} + \frac{N_u}{6A_g}\right)b_w d$	$\left(0.53\lambda\sqrt{f'_c} + \frac{N_u}{6A_g}\right)b_w d$	$\left(2\lambda\sqrt{f'_c} + \frac{N_u}{6A_g}\right)b_w d$
22.5.5.1(b)	$\left(0.66\lambda(\rho_w)^{\frac{1}{3}}\sqrt{f'_c} + \frac{N_u}{6A_g}\right)b_w d$	$\left(2.1\lambda(\rho_w)^{\frac{1}{3}}\sqrt{f'_c} + \frac{N_u}{6A_g}\right)b_w d$	$\left(8\lambda(\rho_w)^{\frac{1}{3}}\sqrt{f'_c} + \frac{N_u}{6A_g}\right)b_w d$
22.5.5.1(c)	$\left(0.66\lambda_s\lambda(\rho_w)^{\frac{1}{3}}\sqrt{f'_c} + \frac{N_u}{6A_g}\right)b_w d$	$\left(2.1\lambda_s\lambda(\rho_w)^{\frac{1}{3}}\sqrt{f'_c} + \frac{N_u}{6A_g}\right)b_w d$	$\left(8\lambda_s\lambda(\rho_w)^{\frac{1}{3}}\sqrt{f'_c} + \frac{N_u}{6A_g}\right)b_w d$
22.5.5.1.1	$0.42\lambda\sqrt{f'_c} b_w d$	$1.33\lambda\sqrt{f'_c} b_w d$	$5\lambda\sqrt{f'_c} b_w d$
22.5.6.2	$0.17\lambda\sqrt{f'_c} b_w d$	$0.53\lambda\sqrt{f'_c} b_w d$	$2\lambda\sqrt{f'_c} b_w d$
22.5.6.2(a), (b), and (c)	$V_c = \left(0.05\lambda\sqrt{f'_c} + 4.8\frac{V_u d_p}{M_u}\right)b_w d$ $V_c = (0.05\lambda\sqrt{f'_c} + 4.8)b_w d$ $V_c = 0.42\lambda\sqrt{f'_c} b_w d$	$V_c = \left(0.16\lambda\sqrt{f'_c} + 49\frac{V_u d_p}{M_u}\right)b_w d$ $V_c = (0.16\lambda\sqrt{f'_c} + 49)b_w d$ $V_c = 1.33\lambda\sqrt{f'_c} b_w d$	$V_c = \left(0.6\lambda\sqrt{f'_c} + 700\frac{V_u d_p}{M_u}\right)b_w d$ $V_c = (0.6\lambda\sqrt{f'_c} + 700)b_w d$ $V_c = 5\lambda\sqrt{f'_c} b_w d$
22.5.6.3.1a	$V_{ci} = 0.05\lambda\sqrt{f'_c} b_w d_p + V_d + \frac{V_i M_{cre}}{M_{max}}$	$V_{ci} = 0.16\lambda\sqrt{f'_c} b_w d_p + V_d + \frac{V_i M_{cre}}{M_{max}}$	$V_{ci} = 0.6\lambda\sqrt{f'_c} b_w d_p + V_d + \frac{V_i M_{cre}}{M_{max}}$
22.5.6.3.1b	$V_{ci} = 0.14\lambda\sqrt{f'_c} b_w d$	$V_{ci} = 0.45\lambda\sqrt{f'_c} b_w d$	$V_{ci} = 1.7\lambda\sqrt{f'_c} b_w d$
22.5.6.3.1c	$V_{ci} = 0.17\lambda\sqrt{f'_c} b_w d$	$V_{ci} = 0.53\lambda\sqrt{f'_c} b_w d$	$V_{ci} = 2\lambda\sqrt{f'_c} b_w d$
22.5.6.3.1d	$M_{cre} = \left(\frac{I}{y_t}\right)(0.5\lambda\sqrt{f'_c} + f_{pe} - f_d)$	$M_{cre} = \left(\frac{I}{y_t}\right)(1.6\lambda\sqrt{f'_c} + f_{pe} - f_d)$	$M_{cre} = \left(\frac{I}{y_t}\right)(6\lambda\sqrt{f'_c} + f_{pe} - f_d)$
22.5.6.3.2	$V_{cw} = (0.29\lambda\sqrt{f'_c} + 0.3f_{pc})b_w d_p + V_p$	$V_{cw} = (0.93\lambda\sqrt{f'_c} + 0.3f_{pc})b_w d_p + V_p$	$V_{cw} = (3.5\lambda\sqrt{f'_c} + 0.3f_{pc})b_w d_p + V_p$
22.5.6.3.3	$0.33\lambda\sqrt{f'_c}$	$1.1\lambda\sqrt{f'_c}$	$4\lambda\sqrt{f'_c}$
22.5.8.6.2(b)	$V_s = 0.25\sqrt{f'_c} b_w d$	$V_s = 0.8\sqrt{f'_c} b_w d$	$V_s = 3\sqrt{f'_c} b_w d$
22.6.3.1	$\sqrt{f'_c} \leq 8.3 \text{ MPa}$	$\sqrt{f'_c} \leq 27 \text{ kgf/cm}^2$	$\sqrt{f'_c} \leq 100 \text{ psi}$
22.6.5.2(a)	$v_c = 0.33\lambda_s\lambda\sqrt{f'_c}$	$v_c = 1.1\lambda_s\lambda\sqrt{f'_c}$	$v_c = 4\lambda_s\lambda\sqrt{f'_c}$
22.6.5.2(b)	$v_c = 0.17\left(1 + \frac{2}{\beta}\right)\lambda_s\lambda\sqrt{f'_c}$	$v_c = 0.53\left(1 + \frac{2}{\beta}\right)\lambda_s\lambda\sqrt{f'_c}$	$v_c = \left(2 + \frac{4}{\beta}\right)\lambda_s\lambda\sqrt{f'_c}$
22.6.5.2(c)	$v_c = 0.083\left(2 + \frac{\alpha_s d}{b_o}\right)\lambda_s\lambda\sqrt{f'_c}$	$v_c = 0.27\left(2 + \frac{\alpha_s d}{b_o}\right)\lambda_s\lambda\sqrt{f'_c}$	$v_c = \left(2 + \frac{\alpha_s d}{b_o}\right)\lambda_s\lambda\sqrt{f'_c}$