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First draw a free-body diagram of the upper jaw. The resultant of the distributed load is a 300 N force acting through the centroid of the distributed load. The equations of equilibrium give

$$\circlearrowleft \Sigma M_D = 0: \quad 225(300) - 100F_C = 0$$

$$\circlearrowleft \Sigma M_C = 0: \quad 125(300) - 100F_D = 0$$

$$F_C = 675 \text{ N } \downarrow \dots\dots\dots \text{Ans.}$$

$$F_D = 375 \text{ N } \uparrow \dots\dots\dots \text{Ans.}$$

