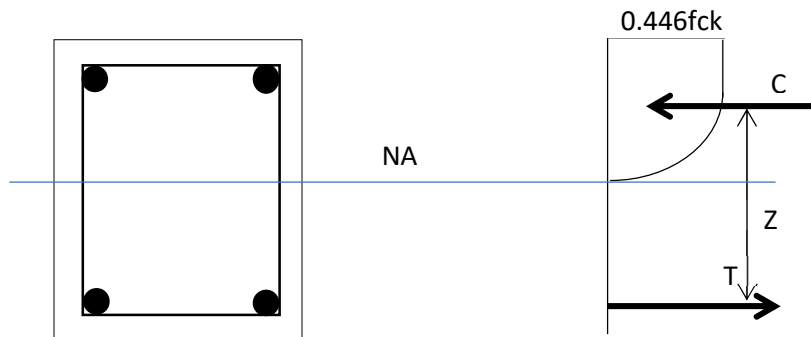


In a beam, the moment will be

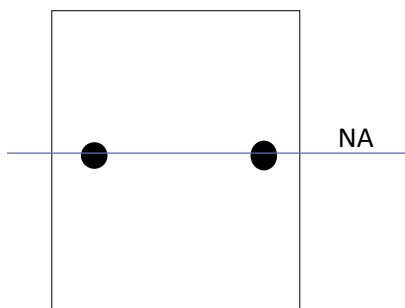


$$M = 0.87f_y A_{st} z$$

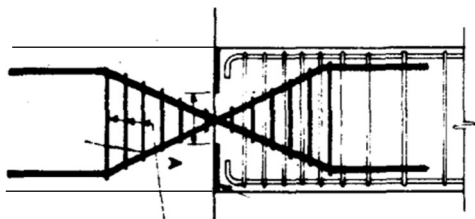
or

$$M = 0.36f_{ck} b x_u z$$

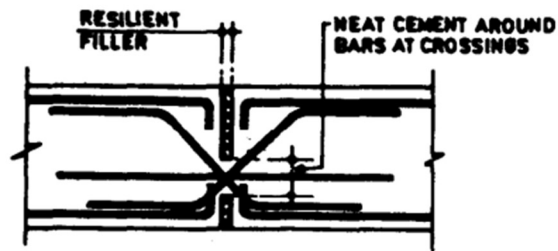
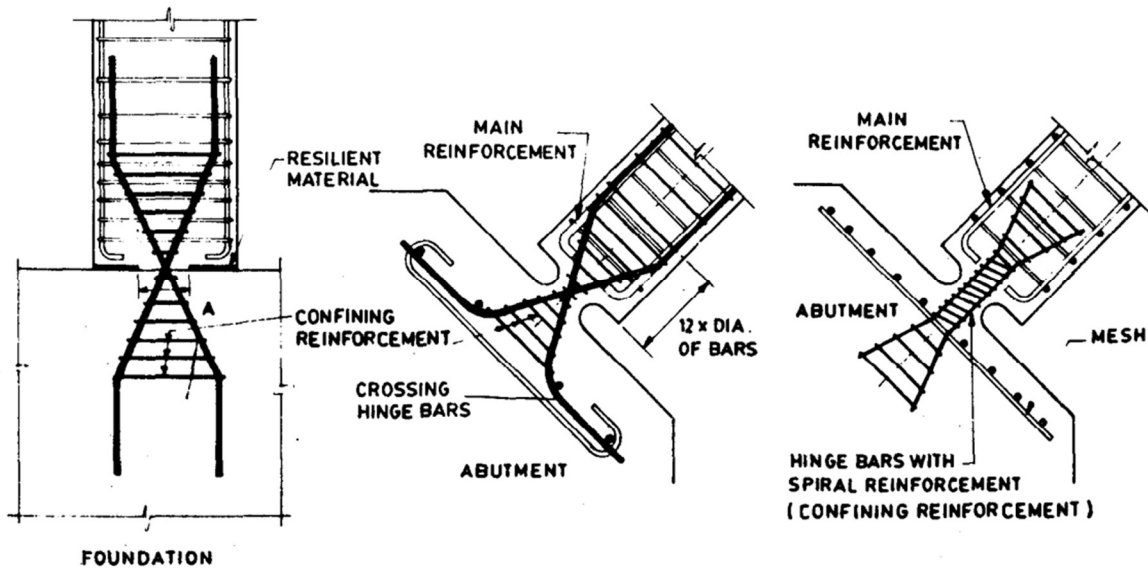
So, if $z = 0$ then the moment capacity at beam will be zero and only transfers the tension (force) which is the similar case of hinge and the above diagram becomes like this



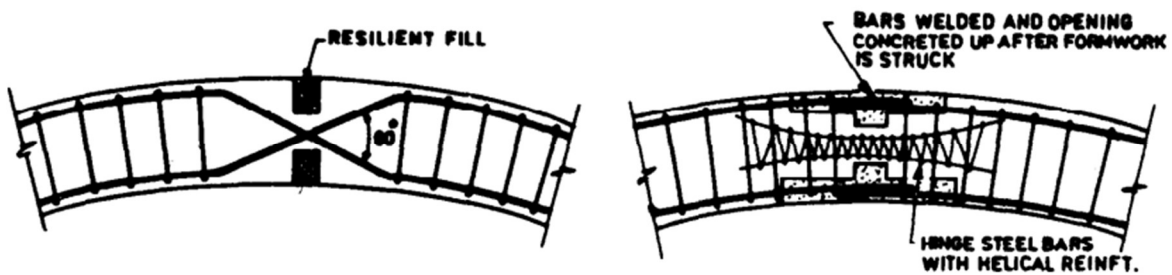
And the longitudinal section is like this



Some examples of hinge given in IS SP-34-1987 (page 178) are as follows



11.26A



11.26B

11.26C

FIG. 11.26 CROWN HINGES