Quick Return mechanism $1 : 1 : 2.5$

$\beta = 1.25\alpha$

$\alpha + 1.25\alpha = 360°$

$\alpha = \dfrac{360}{2.4} = 180$

$\beta = 1.25\alpha = 200°$

$\delta = |180 - \alpha| = 20°$

Rocker = $O_4B = 5$

Crank = $O_2A = 1.65$

Coupler = $AB = 4.65$

Ground = $O_4O_2 = 4.8$

Scanned with CamScanner