$$egin{align} y_{pG} &\coloneqq rac{A_2 ullet (y_{G1} + y_{G2})}{A_1 + A_2} \! = \! 24.074 \, \, m{mm} \ y_G &\coloneqq y_{G1} \! - \! y_{pG} \! = \! 1.68 \, \, m{mm} \ \end{array}$$