$a := 40 \ mm$	$\theta_a = 89.76 \ deg$
b := 50 mm	
<i>c</i> := 25 <i>mm</i>	$\theta_d = 43.9 \; deg$
<u>d</u> :=80 mm	(6.5)
<i>e</i> := 78 <i>mm</i>	$\theta_h = \operatorname{atan}\left(\frac{6.5}{12}\right) + 90 \ deg = 118.443 \ deg$
<i>f</i> := 20 <i>mm</i>	(12)
g = 70 mm	
1 1/07)2 (10)2	z = 46 mm
$h := \sqrt{(6.5 \ mm)^2 + (12 \ mm)^2} = 13.647 \ mm$	
$q \coloneqq \sqrt{a^2 + z^2 - 2 \ a \cdot z \cdot \cos\left(\theta_a\right)} = 60.832 \ \boldsymbol{mm}$	
$\theta_Q = a\cos\left(\frac{a^2 + q^2 - z^2}{2 \cdot a \cdot q}\right) = 49.128 \ deg$	
$\theta_{Q'} \coloneqq \operatorname{acos}\left(\frac{q^2 + b^2 - c^2}{2 \cdot q \cdot b}\right) = 23.573 \text{ deg}$ $\theta_{b} \coloneqq \theta_{Q} + \theta_{Q'} = 72.701 \text{ deg}$ $\theta_{q'} \coloneqq \operatorname{acos}\left(\frac{q^2 + c^2 - b^2}{2 \cdot q \cdot c}\right) = 53.116 \text{ deg}$ $\theta_{q} \coloneqq \operatorname{acos}\left(\frac{z^2 + q^2 - a^2}{2 \cdot q \cdot z}\right) = 41.112 \text{ deg}$ $\theta_{A} \coloneqq \pi - \theta_{A} - \theta_{A'} = 85.772 \text{ deg}$	
$\theta_{Q'} = \operatorname{acos}\left(\frac{q^2 + b^2 - c^2}{2 \cdot q \cdot b}\right) = 23.573 \text{ deg}$	
$(2 \cdot q \cdot b)$	
V)	
$\theta_b \coloneqq \theta_O + \theta_{O'} = 72.701 \text{ deg}$	
$(a^2+a^2+b^2)$	
$\theta_{q'} = a\cos\left \frac{q + c - \theta}{2}\right = 53.116 \text{ deg}$	
$(2 \cdot q \cdot c)$	
$(z^2 + a^2 - a^2)$	-
$\theta_q = a\cos\left[\frac{\alpha + q - \omega}{2 \cdot q \cdot z}\right] = 41.112 \ deg$	3
(2.4.2)	
	18
$\theta_c \coloneqq \pi - \theta_q - \theta_{q'} = 85.772 \operatorname{deg}$	8
	Ç
$\theta_k = \frac{\pi}{2} - \theta_d = 46.1 \text{ deg}$	C
$\theta_k = \frac{1}{2} - \theta_d = 40.1$ deg	2
$j = \sqrt{c^2 + h^2 - 2 \cdot c \cdot h \cdot \cos\left(\theta_h\right)} = 33.708 \ \boldsymbol{mm}$	constant
$\theta_{c'} = a\cos\left(\frac{c^2 + j^2 - h^2}{2 \cdot c \cdot j}\right) = 20.854 \ deg$	
$(2 \cdot c \cdot j)$	
$\theta_{c''} \coloneqq \theta_c - \theta_{c'} = 64.917$ deg	9
	Φ.
$m \coloneqq \sqrt{j^2 + d^2 - 2 \cdot j \cdot d \cdot \cos\left(heta_{c''} + heta_k ight)} = 97.317$ m	nm D
$\theta_f = a\cos\left(\frac{e^2 + f^2 - m^2}{2 \cdot e \cdot f}\right) = 163.184 \ deg$	

$$\begin{aligned} \theta_{E''} &\coloneqq \operatorname{acos}\left(\frac{h^2 + j^2 - c^2}{2 \cdot h \cdot j}\right) = 40.703 \,\, \operatorname{\textit{deg}} \\ \theta_{E'''} &\coloneqq \operatorname{acos}\left(\frac{j^2 + m^2 - d^2}{2 \cdot j \cdot m}\right) = 50.118 \,\, \operatorname{\textit{deg}} \\ \theta_{E'''} &\coloneqq \operatorname{acos}\left(\frac{e^2 + m^2 - f^2}{2 \cdot e \cdot m}\right) = 3.409 \,\, \operatorname{\textit{deg}} \end{aligned}$$

$$\theta_{E^{\mathcal{N}}} = \operatorname{acos}\left(\frac{j^2 + m^2 - d^2}{2 \cdot j \cdot m}\right) = 50.118 \,\, deg$$

$$\theta_{E'''} := a\cos\left(\frac{e^2 + m^2 - f^2}{2 \cdot e \cdot m}\right) = 3.409 \text{ deg}$$

$$\theta_e \coloneqq \theta_{E'} + \theta_{E''} + \theta_{E'''} = 94.229 \text{ deg}$$

$$\theta_{b'} \coloneqq \pi - \theta_a - \theta_b = 17.539 \text{ deg}$$

$$\theta_{h'} \coloneqq \theta_c + \theta_h - \pi = 24.215 \text{ deg}$$

$$\theta_{e'} = 2 \cdot \pi - \theta_c - \theta_h - \theta_e = 61.556$$
 deg

$$\theta_{f'} \coloneqq \theta_f - \theta_{e'} = 101.628 \,\, \mathbf{deg}$$

$$x_a \coloneqq \cos\left(\theta_{f'}\right) \cdot (f+g) = -18.14$$
 mm

 $x \coloneqq a \cdot \cos\left(\theta_{a}\right) + b \cdot \cos\left(\theta_{b'}\right) + h \cdot \cos\left(\theta_{h'}\right) + e \cdot \cos\left(\theta_{e'}\right) - \cos\left(\theta_{f'}\right) \cdot (f+g) = 115.581 \ \textit{mm}$

 $y = d \cdot \cos(\theta_d) + g \cdot \sin(\theta_{f'}) = 126.208 \ mm$

 $x = 115.581 \ mm$ $y = 126.208 \ mm$