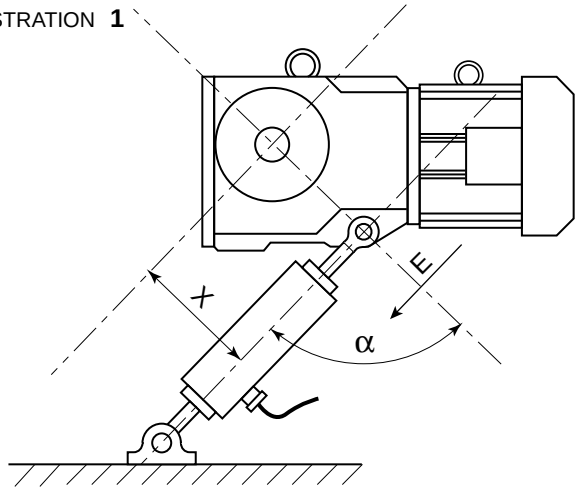
ASSEMBLY TIPS

PRIMARY RULE : The force to be controlled must be strictly applied directly in line with the *DYNALARME*.

TYPICAL ASSEMBLY ON A HOLLOW SHAFT FLOATING GEARBOX (illustration 1)

ILLUSTRATION **1**



α = 90° ± 2°

The ends of the reactive arm on which the DYNALARME is mounted must be outfitted with coatings or ball-and-socket joints to avoid any pessure liable to create friction interfering with the free motion of the moving parts of the DYNALARME.

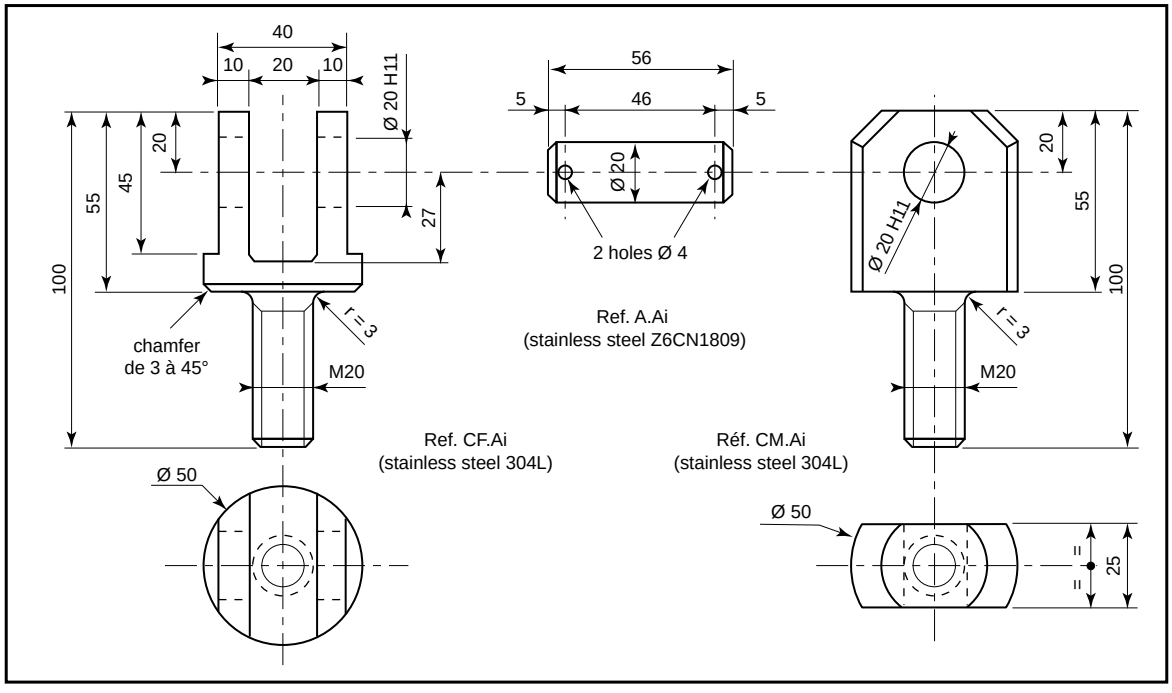
CALCULATION OF THE FORCE "E" TO BE CONTROLED

For this gearbox, given the exit moment (M) of 1,200 Nm, and its dimension (X) of 270 mm between the anchoring point and the output drive shaft :

$$\mathbf{E} = \frac{\mathbf{M} \text{ in Nm}}{\mathbf{X} \text{ in m}} \quad \text{i.e.} \quad \frac{1{,}200 \text{ Nm}}{0.27 \text{ m}} = \mathbf{4{,}444\ N}$$

In this example, the result does not take into account the cantilever effect of motor-gearbox assembly.

ACCESSORIES



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