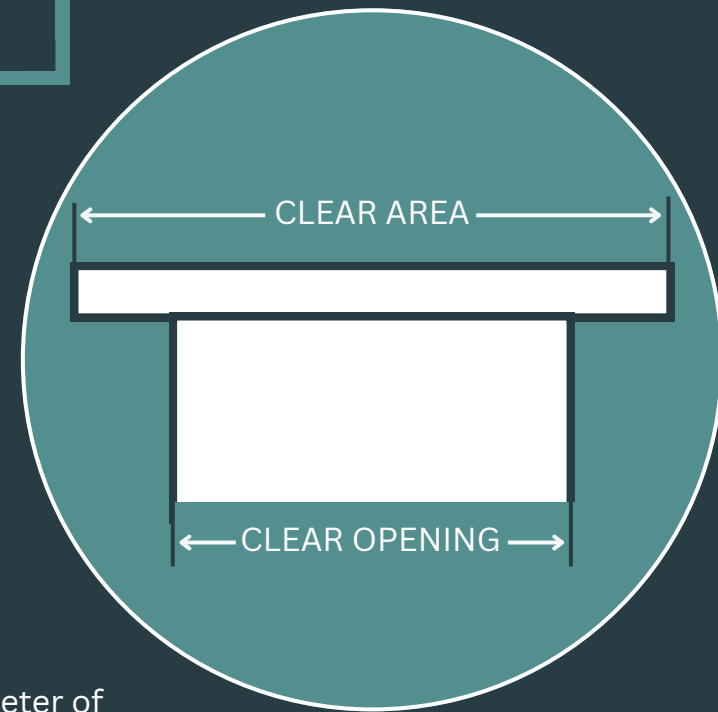


# CO DOC - MEASURING CLEAR OPENING

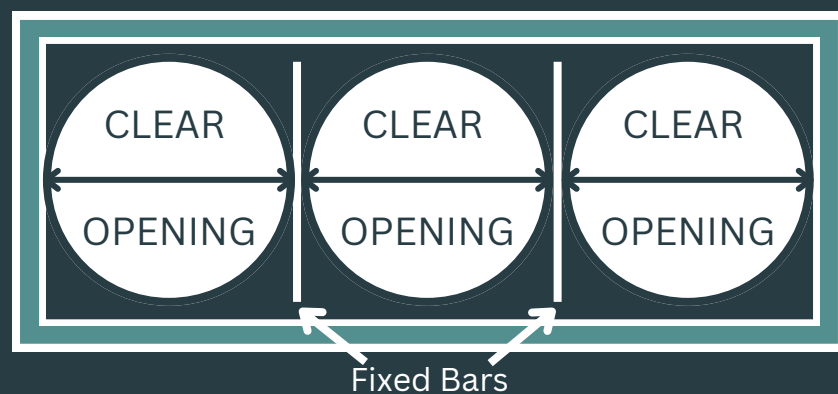
Revision 1, 28/09/2023

Learn the steps and locations for measuring the clear opening (CO) for manhole covers and frames of different shapes.



## CLEAR OPENING

Referencing international standards, the term 'Clear Opening (CO)' denotes the diameter of the largest circle that can fit within the 'clear area' of a manhole cover frame. This definition is universally applicable, covering manhole frames of any shape, as demonstrated in the diagrams.



## CLEAR AREA

Defined by international standards, the term 'Clear Area' pertains to the unobstructed space within the seating of a manhole cover's frame, as clearly depicted in these diagrams. It's important to note that this differs from the overall size, which encompasses the external dimensions of the frame.

