

Restricted Approach Boundary Calculator

Compare a recorded restricted-boundary reference distance with an entered project distance after unit conversion; required boundary selection and entry permission remain outside the result.

Generated October 10, 2026

<https://www.elecatrrix.com/testing-protection-grounding/restricted-approach-boundary-calculator/>

Inputs

Input	Value	Unit
Method and version	worksheet-v1	
Voltage basis	Line to line	
Nominal voltage	480	V
Recorded reference distance	12	entered unit
Reference unit	in	
Entered distance	18	entered unit
Entered unit	in	
Qualified-person record	Recorded	
Source reference	record-c	

Results

Result	Value	Unit
Reference distance	12	in
Entered distance	18	in
Distance difference	6	in

Status

Status	Value	Unit
Source note	Source reference recorded	
Record note	Entered values are comparable	

Calculation details

Detail	Value	Unit
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Mode boundary type	restricted
Calculation basis	Recorded restricted-boundary distances are converted to inches before the entered project distance is compared with the reference distance.
Boundary	Recorded-distance comparison only; the result does not authorize entry or determine personnel qualification or compliance.

Formulas

Reference distance in=Recorded reference distance converted to inches

Entered distance in=Entered distance converted to inches

Distance difference=Entered distance in-Reference distance in

Warnings and limitations

Distance comparison only; it does not allow entry or determine personnel qualification, required boundary selection, or compliance.