

Conduit Stub Length Calculator

Calculate stub layout quantities when the conduit rise, bender take-up, and end allowance are separate project inputs.

Generated October 10, 2026

<https://www.elecatrrix.com/conduit-bending/conduit-stub-length-calculator/>

Inputs		
Input	Value	Unit
Stub height	12	in
Bend angle	30	deg
Bender take-up allowance	6	in
End allowance	2	in
Results		
Result	Value	Unit
Tangent run	20.7846	in
Layout mark from end	26.7846	in
Stub allowance with end offset	28.7846	in
Stub height used	12	in
Bend angle used	30	deg
Calculation details		
Detail	Value	Unit
Calculation basis	The perpendicular stub height is resolved into a tangent run with height divided by tangent of the bend angle. Entered take-up and end allowance are then added as explicit layout allowances.	
Stub boundary	Planning estimate only; verify bender take-up, conduit end reference, coupling or fitting requirements, springback, and field measurements separately.	

Formulas
tangent run = stub height / tan(bend angle)

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layout mark from end = bender take-up + tangent run

recommended stub allowance = tangent run + bender take-up + end allowance

Warnings and limitations

This is a user-entered stub layout calculation. It does not infer bender take-up, account for springback, or approve a finished stub for installation.