

Tools for Pipefitters, Sprinklerfitters, Steamfitters and Welders



BUILT-IN PIPE DATA SAVES TIME!

Choose a Pipe Material, Type, and enter Size and get Diameters, Wall Thickness, Filled Weight/Foot, Internal Area and more.

SEVEN DIFFERENT PIPE MATERIALS:

Steel, Stainless Steel, Brass, Aluminum, Cast Iron, Plastic, Copper

SELECT PIPE MATERIAL AND TYPE, THEN ENTER SIZE AND INSTANTLY DISPLAY:

- Pipe outside diameter
- Pipe internal diameter
- Pipe wall thickness
- Pipe weight per foot
- Filled weight per foot
- Pipe internal area



Putting answers at your fingertips since 1978

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PIPE TRADES PRO™

ADVANCED PIPE TRADES MATH CALCULATOR

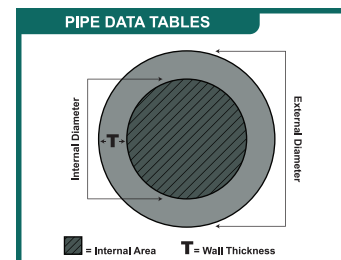
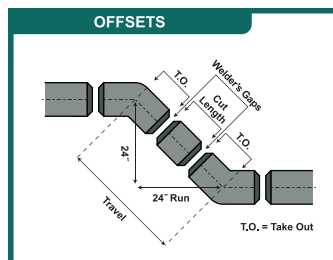
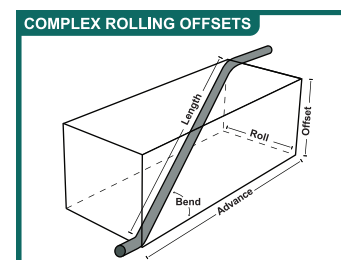
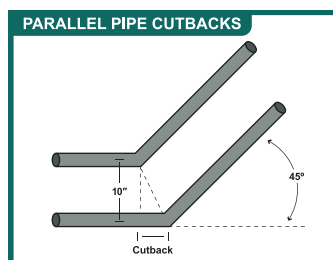
The **Pipe Trades Pro** is powerful, rugged and easy to use in the field, office or truck. It gives you instant answers for all your pipe layout and design problems, including complex rolling offsets, parallel pipe cutbacks, weight/volume conversions, flow rates, pressures, areas and more.

With the **Pipe Trades Pro** you'll spend less time calculating and looking at charts, and more time cutting, welding and placing pipe — reducing costly material waste and increasing your hourly productivity and profits on every job.

BUILT-IN FUNCTIONS EASILY SOLVE FOR:

- Cut Lengths, Take-outs, and Odd Degree Fittings
- Right Angles, Offsets and Complex Rolling Offsets
- Fitting Angles, Bends, Slopes, Percent Grades, Drops
- Feet-Inch-Fractions and Trigonometry
- Parallel Pipe Cutbacks
- Pipe Areas, Fill Weights
- Flow Rates, Velocity, Force, Volumes
- Pressure Loss for any Pipe Size, Type or Distance
- Complete Building, Plumbing and Metric Unit Conversions

Fast, Accurate and Easy To Use!



The new **Pipe Trades Pro** will let you and your team spend less time consulting charts and books and more time setting pipes.

PIPE TRADES PRO™

ADVANCED PIPE TRADES MATH CALCULATOR

ADVANCED PIPE TRADES MATH CALCULATOR

Dedicated keys and functions save you time and money.

Offsets and Rolling Offsets —

Take-Out/Arc — *Enters or calculates Take-Outs. Calculates degreed fitting inside, center and outside Arc lengths*

Angle/Slope — Automatically — calculate Angles, Percent Grade, Slope and Drop

Trigonometric Functions — Sine, Cosine, Tangent; Access Arcsine, Arccosine, Arctangent

Flow — Calculate volumetric flow rate through a Pipe. Convert between cubic feet per second, liters per second, cubic feet per minute, gallons per minute

Velocity — Solve for water Velocity and convert between feet per minute and meters per second

Conv — Perform unit conversions; access secondary functions

Work in and Convert Flow Rates — Cubic feet per minute/second, gallons per minute, liters per second

— **Welder's Gap** — Enters and stores preferred Welder's Gap used during Take-Out calculations

- **Cutbacks** — Calculate Pipe Cutback

Elbow Type — Select between factory-made and field-cut 45° fittings when calculating Take-Outs

Pipe Materials — PVC, Copper, Steel, Stainless Steel, Brass, Aluminum or Cast Iron

Pipe Type — Determine Pipe Type/Thickness based on material setting

— **Pipe Size** — Show OD, ID, Pipe Weight/FT, Filled Weight/FT and more

Area — Enter for Flow, Velocity, Pressure, Force calculations or calculate Area given values for Flow/Velocity or Force/Pressure

— **Force** — Calculate Force and convert between lbf, newton

Pressure — Enter for Force and Area calculations. Calculate Pressure Loss. Convert between different units

Circle — Calculate Circle area, circumference

Product Specifications — Pipe Trades Pro Model 4095

Size: 5.6" x 3.0" x 0.6" (143mm x 76mm x 16mm)

Weight: 6 oz. (170 gm) Includes Armadillo Gear and Pocket Reference Guide

Power: Two 1.5-volt (LR-44/A76) Long-life Batteries

Display: 12 Digits (8 normal, 4 fractions) with Full Annunciators

LCD Dimensions: 0.625" x 2.5" (16mm x 64mm)

Accuracy: 12 Digit Internal Accuracy

Included with Every Pipe Trades Pro: Armadillo Gear Protective Hard Case; Long-life Batteries (Two LR-44); Quick Reference Guide and Pocket Reference Guide; Complete, easy-to-follow User's Guide.

Full One-Year Limited Warranty

