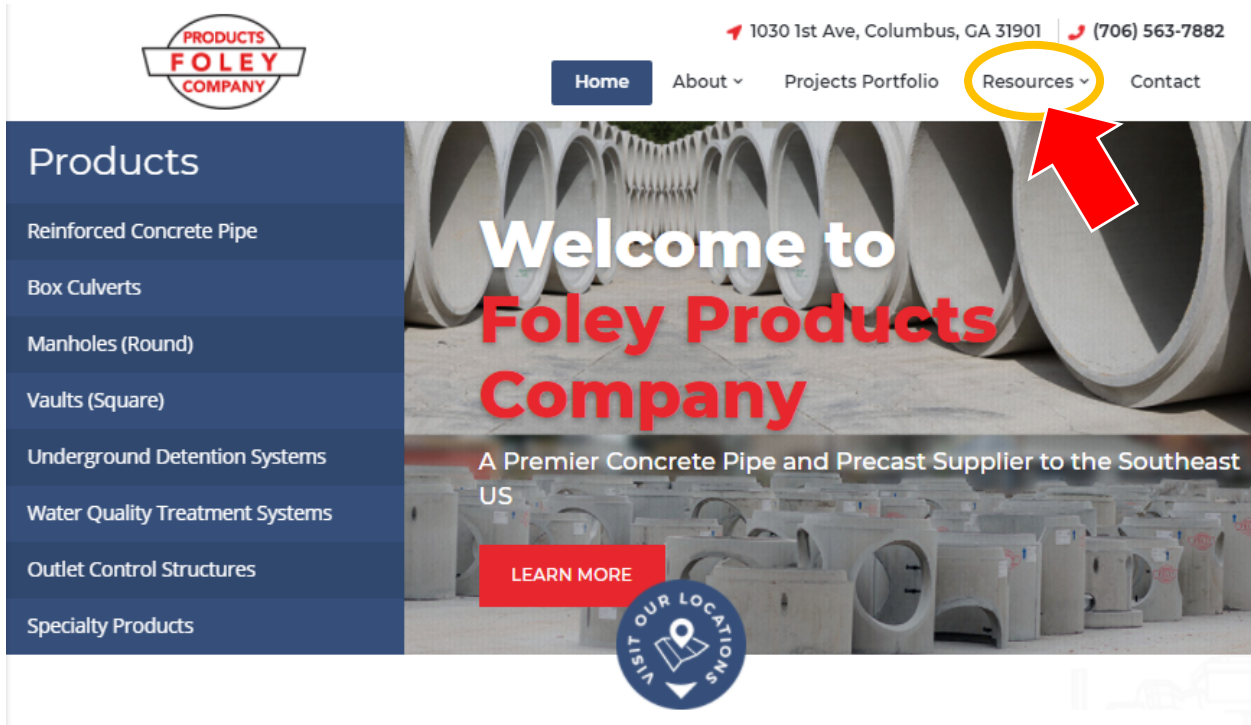


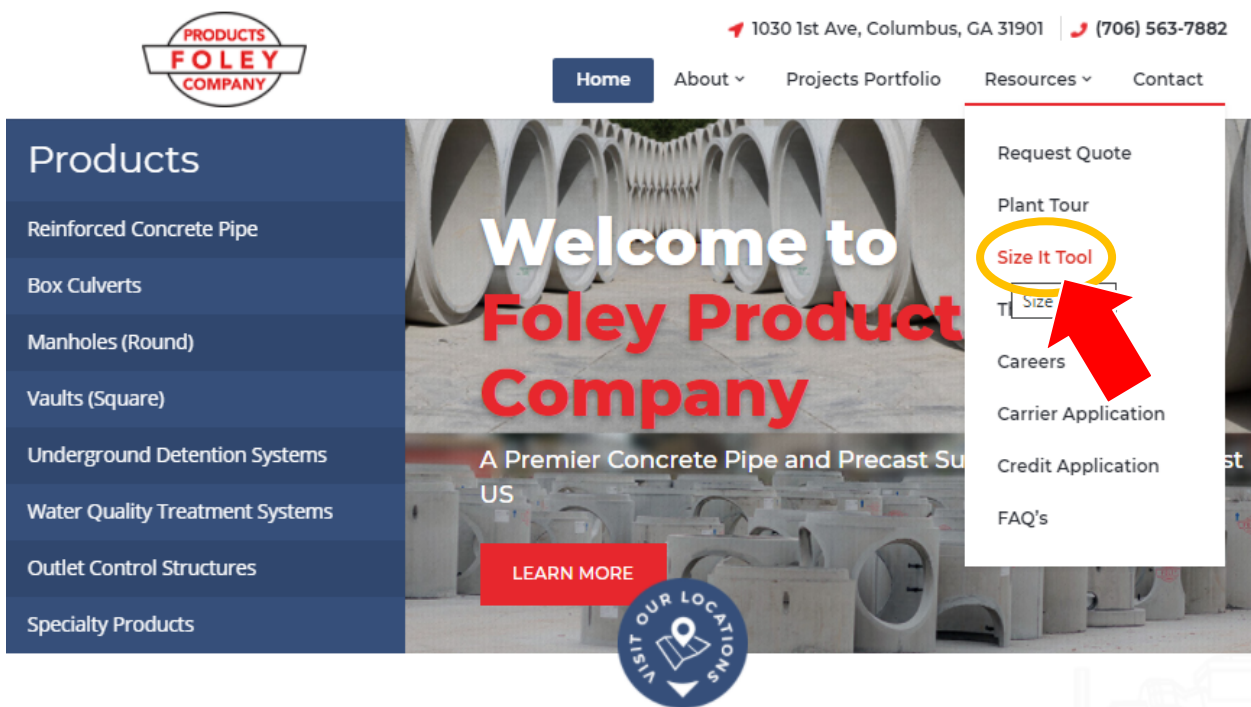
Foley Products Company

Size-It Tool: How-To Guide

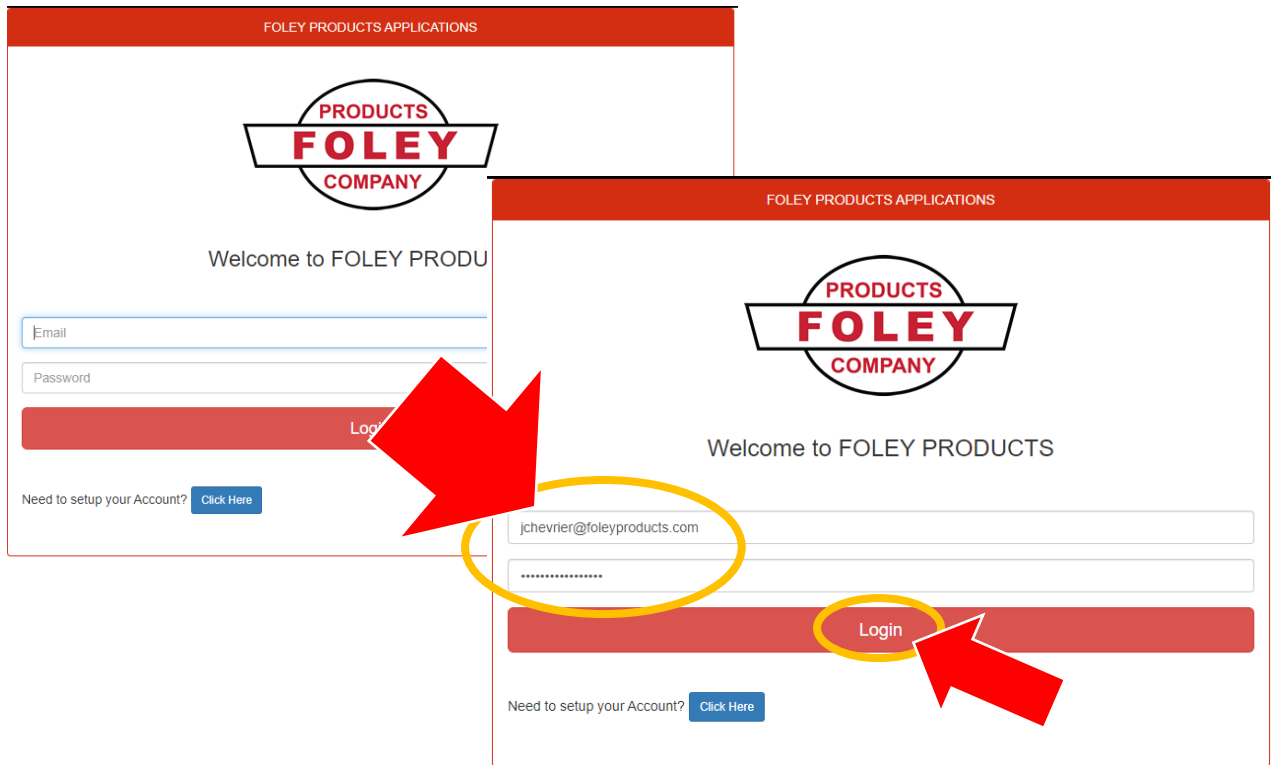
Go to the www.FoleyProducts.com homepage, click on the “Resources” drop-down tab:



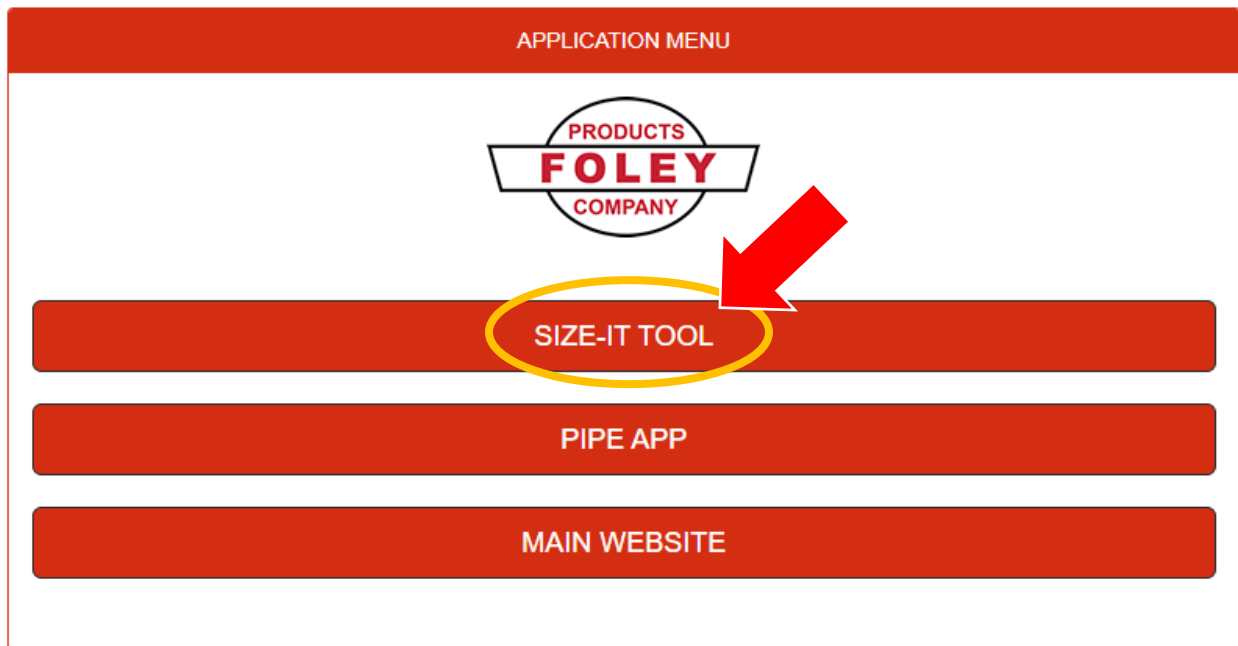
Select the “Size-It Tool” from the drop-down menu:



On the Size-It Tool login screen, enter your account email & password, select the red “Login” button:



On the Application Menu screen, select the “Size-It Tool” button:



Once Size-It Tool opens, fill in Customer, Job, & Structure banks:

Print

Customer: Job: Structure:

Hole Configuration

Enter your manhole configuration based on 0 degrees being the "outlet" hole and then enter all "inlet" holes clockwise from that point (0 to 360 degrees).

Elevation
 Inches
 Feet

Inner Diameter Degree Hole Size Suggested Hole Size

Hole 1:

Choose Diameter

Assemble

Then in the Hole Configuration box, select Pipe Type for "Hole 1." If the structure has more than one penetration, subsequent & sequential options for additional holes will appear (i.e. "Hole 2," then "Hole 3," etc.) Select the Pipe Type for each penetration required:

Print

Customer: Job: Structure:

Hole Configuration

Enter your manhole configuration based on 0 degrees being the "outlet" hole and then enter all "inlet" holes clockwise from that point (0 to 360 degrees).

Elevation
 Inches
 Feet

Inner Diameter Degree Hole Size Suggested Hole Size

Hole 1:

Hole Configuration

Enter your manhole configuration based on 0 degrees being the "outlet" hole and then enter all "inlet" holes clockwise from that point (0 to 360 degrees).

Elevation
 Inches
 Feet

Hole	Pipe Type	Inner Diameter	Degree	Hole Size	Suggested Hole Size
Hole 1:	RCP			0	N/A
Hole 2:	Ductile			0	N/A
Hole 3:	PVC			0	N/A
Hole 4:	No Hole				

Once Pipe Type for each penetration has been selected, select the Inner Diameter of each Hole. Enter the Degree Angle for each penetration. Quick Tip: set “Hole 1” to zero degrees as a default from which remaining penetration angles can be then be called out (see example below). Then enter the elevation of each penetration’s **invert** as related to the **top elevation of structure bottom** (make sure “Inches” or “Feet” are selected as appropriate). Please note, the final two columns of Hole Size & Suggested Hole Size will adjust automatically as Inner Diameter is adjusted – **BUT** if the as-poured Hole Size needs to be larger than the Suggested Size, manual entry in the Hole Size column is available to accommodate oversizing as needed:

Hole Configuration

Enter your manhole configuration based on 0 degrees being the “outlet” hole and then enter all “inlet” holes clockwise from that point (0 to 360 degrees).

Elevation
 Inches
 Feet

	Pipe Type	Inner Diameter	Degree		Hole Size	Suggested Hole Size
Hole 1:	RCP	36	0	6	48	48
Hole 2:	Ductile	10	180	20	16	16
Hole 3:	PVC	8	260	36	12	12
Hole 4:	No Hole					

SELECT

SELECT

ENTER

ENTER

ENLARGE IF REQ'D

CALCULATE DISTANCES

Once all information for each Hole is completed & accurate, click the “Calculate Distances” button:

Hole Configuration

Enter your manhole configuration based on 0 degrees being the “outlet” hole and then enter all “inlet” holes clockwise from that point (0 to 360 degrees).

Elevation
 Inches
 Feet

	Pipe Type	Inner Diameter	Degree		Hole Size	Suggested Hole Size
Hole 1:	RCP	36	0	6	48	48
Hole 2:	Ductile	10	180	20	16	16
Hole 3:	PVC	8	260	36	12	12
Hole 4:	No Hole					

CALCULATE DISTANCES

Critical Design Note:

FYI – Any changes made to the Hole Configuration box after initial calculation of distances will reset Size-It Tool parameters & necessitate a follow-up click on the “Calculate Distances” button, which will refresh the design with the updated information.

Next, the Size-It Tool will automatically select the smallest diameter of manhole possible based on Hole Configuration info. However, if a larger structure is necessary simply click the drop-down tab in the Choose Diameter box & select desired structure diameter:

The image shows two overlapping screenshots of a software interface for configuring manhole holes. The top screenshot shows the 'Hole Configuration' window with a table of hole data and a 'Choose Diameter' dropdown menu. The bottom screenshot shows the same window with the 'Choose Diameter' dropdown menu open, displaying a list of diameter options.

Hole Configuration
Enter your manhole configuration based on 0 degrees being the "outlet" hole and then enter all "inlet" holes clockwise from that point (0 to 360 degrees).

Elevation
 Inches
 Feet

	Pipe Type	Inner Diameter	Degree	Hole Size	Suggested Hole Size	
Hole 1:	RCP	36	0	6	52	48
Hole 2:	Ductile	10	180	20	18	16
Hole 3:	PVC	8	260	36	12	12
Hole 4:	No Hole					

CALCULATE DISTANCES

Choose Diameter
060

Hole Configuration
Enter your manhole configuration based on 0 degrees being the "outlet" hole and then enter all "inlet" holes clockwise from that point (0 to 360 degrees).

Elevation
 Inches
 Feet

	Pipe Type	Inner Diameter	Degree	Hole Size	Suggested Hole Size	
Hole 1:	RCP	36	0	6	52	48
Hole 2:	Ductile	10	180	20	18	16
Hole 3:	PVC	8	260	36	12	12
Hole 4:	No Hole					

CALCULATE DISTANCES

Choose Diameter
060
060
072
084
096
0120
0144

Once Hole Configuration & Structure Diameter are chosen, use the Assemble box to complete stack out starting with base height, then subsequent components (e.g. reducers, risers, cones, etc.). In this Example Manhole, we will select a 5' tall Base, a Reducer Lid, a 4' tall Riser, & a 3' Eccentric Cone with Cast-In Grate Ring. (Please note, final stack out does not include final casting elevation – please check with your Foley Products or Casting Rep for verification of casting height):

Print

Customer: Job: Structure:

Hole Configuration
 Enter your manhole configuration based on 0 degrees being the "outlet" hole and then enter all "inlet" holes clockwise from that point (0 to 360 degrees).

Elevation
 Inches
 Feet

Hole	Pipe Type	Inner Diameter	Degree	Hole Size	Suggested Hole Size
Hole 1:	RCP	36	0	6	48
Hole 2:	Ductile	10	180	20	16
Hole 3:	PVC	8	260	36	12
Hole 4:	No Hole				

Choose Diameter:

EXPANDED INSIDE ELEVATION VIEW - Ø60

Choose Diameter:

Assemble:

5' BASE

REDUCER

4' RISER

3' CONE

FINAL STACK OUT:

Assemble:

With stack out completed, the “Inside,” “Elevation,” and “Angles” buttons can provide visual verification that structure design meets desired parameters. Click “Print” to produce a PDF Cut Sheet of finished structure:

Print

Customer: Job: Structure:

Hole Configuration
Enter your manhole configuration based on 0 degrees being the "outlet" hole and then enter all "inlet" holes clockwise from that point (0 to 360 degrees).

Hole	Pipe Type	Inner Diameter	Degree	Elevation		Hole Size	Suggested Hole Size
				<input type="radio"/> Inches	<input type="radio"/> Feet		
Hole 1:	RCP	36	0	<input checked="" type="radio"/>	6	48	48
Hole 2:	Ductile	10	180	<input type="radio"/>	20	16	16
Hole 3:	PVC	8	260	<input type="radio"/>	36	12	12
Hole 4:	No Hole						

Choose Diameter

ELEVATION VIEW - Ø60" to Ø48"

10/11/21, 10:37 AM

CUSTOMER: FOLEY PRODUCTS
JOB: HOW-TO GUIDE
STRUCTURE NAME: EXAMPLE MANHOLE
01
STRUCTURE SIZE: 60" DIAMETER

FOLEY SIZE-IT CUT SHEET

INPUT:
HOLE 1: 36" RCP @ 0 DEGREES | 48" HOLE @ 0 DEGREES, UP 6 INCHES
HOLE 2: 10" DUCTILE @ 180 DEGREES | 16" HOLE @ 180 DEGREES, UP 20 INCHES
HOLE 3: 8" PVC @ 260 DEGREES | 12" HOLE @ 260 DEGREES, UP 36 INCHES

60" DIAMETER 5' BASE LAYOUT (INSIDE DIMENSIONS)

STACKOUT

STACKOUT ELEMENTS
ECCOCONE HOLE 3
4" RISER
REDUCER
60" DIA /5' BASE