

Tech Talk Q&A

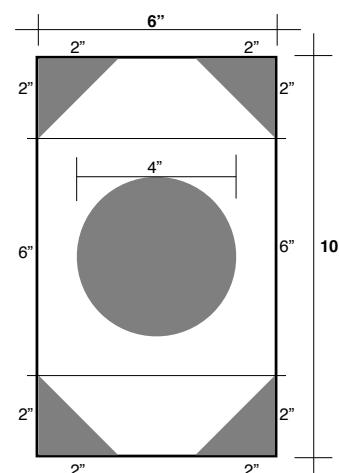
**There's more than one way
to safely vent a closed-end
tube.**

By Professor Zinc

**Q: "What is the best arrangement of vent
holes in a sealed rectangular tube that is 10
inches by six inches? Length varies."**

A. ASTM A385/A385M specifies that a minimum vent opening of 30% of the cross-sectional area of the tubular structure must be included on each end of the capped tube. This is so that no air or solutions are trapped inside the assembly during galvanizing. In this case, the cross-sectional area is 60 sq. in., which means

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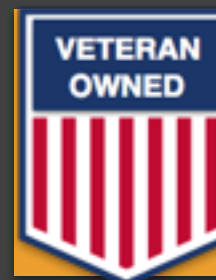
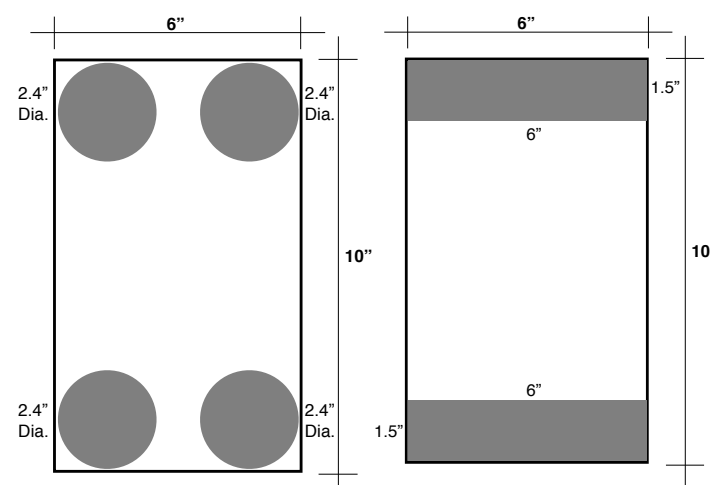


the vent openings must equal 18 sq. in. (30%). The diagrams here show three different ways to achieve the 30% vent opening. All three meet the requirements of the spec. The best arrangement is the one that works best for your situation or application.

Thanks for the question!
We hope you find the answer helpful.

Do you have a question for the Professor?
Submit it online at www.galvan-ize.com/mrzinc.asp.

Contact Galvan Industries, Inc.
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Galvan Industries, Inc. Hot Dip News

Inside:

- *Partnering in your success*
- *Meet Theron Aldridge*
- *How to safely vent a capped tube*



YOU'LL BE SEEING GALVAN ON YOUR SUMMER ROAD TRIPS

Driving along the highway this summer, you'll have the opportunity to see Galvan Industries at work saving money on routine maintenance and corrosion prevention for public and private infrastructure.

Guardrail: Hot-dip galvanized steel highway guardrail is constantly exposed to highway traffic pollution, weather, and abrasion. Galvan's metallurgically bonded galvanized zinc coating will provide superior barrier and cathodic protection for guardrail elements for decades.

Bridges: Driven steel piles, such as the H-piles and pipe piles shown here, are used extensively in supporting very heavy loads in infrastructure applications such as highway bridge construction.

Utility Poles: You'll see galvanized steel utility poles everywhere. They are stronger, corrosion-free, lighter in weight, easier to install, require less maintenance, and offer lower overall life cycle cost than wood.

Galvan can deliver a lifetime of corrosion protection to your next infrastructure project. Contact Ben Kelly at Galvan today to learn more.





PARTNERING IN YOUR SUCCESS

Going beyond the standard definition of customer service is how we do business at Galvan. Here are some examples.

1. Automating a production line for a special customer requirement
2. Creating a local alliance for handling painted duplex coatings
3. Working with an on-site fabricator to cut beams or adjust plates if needed, as an alternative to sending material back for rework
4. Pick-up and delivery that takes a load off you and puts finished material on the job site
5. Building a major customer a production facility on our property to save time and money on shipping

At Galvan, we want to be partners in your success because we know that when you succeed we succeed. If you need a galvanizer that thinks outside the kettle, call Galvan today.



1.



2.



3.



4.



5.

EMPLOYEE SPOTLIGHT:

THERON ALDRIDGE, OUTBOUND SHIPPING



Theron Aldridge would tell you that he thinks of Galvan Industries as almost a second home. He joined the company in 1987 after a brief career in construction. During the past 30 years, he's had numerous jobs in the plant at Galvan including head pickler, prep department crew chief, head kettle operator and finishing department crew chief. He knows the operation inside and out.

This makes him especially good at his present position as Galvan's outbound shipping coordinator, responsible for delivering finished goods directly to a factory or job site. Our expanding transportation

service provides a benefit that Galvan customers appreciate, but it requires a real understanding of the process and attention to details. That's what Theron brings to the job.

Theron is responsible for coordinating, loading and scheduling all finished goods deliveries. He verifies the accuracy of finished goods being shipped to each location. If there are any discrepancies, he works to resolve them before they leave the plant. As part of the job, Theron maintains a high level of key customer inventory control.

He is also responsible for making sure outbound shipments meet any special customer requirements or specifications. This happens through regular daily interface with freight carriers, company drivers, the production team, customers, customer service representatives and sales.

"I like everything about this company," Theron says of Galvan, "But especially the way we take care of customers. The goal is to deliver high quality work when, where and how the customer needs it. I enjoy being a part of making that happen."

Laurens Willard, President of Galvan said, "We recently celebrated Theron's 30th anniversary with the company and we are very proud and happy that he is still here putting his knowledge and experience to work for our customers."

Theron's work anniversary isn't the only one he has celebrated lately. He also recently celebrated 30 years of marriage to his high school sweetheart, Angela Rodgers Aldridge. They have a 16-year-old daughter, Cheyenne, who is a junior in high school. She plays competitive travel softball. Theron loves attending her games.

