

Pig tail and end-forming



Summary of Content

Pigtail forming shapes the end of a coil spring into a tapered or curled form, while end-forming modifies the ends of tubes or rods to meet functional or assembly requirements.

Pigtail Forming

Pigtail forming is a process used primarily in coil spring manufacturing, where the end of a spring is shaped into a tapered or curled form, often resembling a small tail. This shape helps the spring seat properly in assemblies, such as automotive suspension systems, and reduces lateral loads on connected components .

- **Process:** A semi-finished coil spring is mounted on a forming jig. The open end is clamped, and the jig rotates or moves in a controlled path to wind the end into a pigtail shape. The forming jig may move perpendicular to the spring axis to achieve the desired taper or curvature .
- **Equipment:** Machines for pigtail forming are often automated, with programmable jigs that adjust for different pigtail shapes and numbers of turns. Springs are loaded, oriented, and formed automatically, then transferred to subsequent processes like quenching .
- **Applications:** Pigtail ends are common in strut-type suspension devices, barrel-shaped coil springs, and other mechanical assemblies where precise seating and load distribution are critical .

End-Forming

Article Content

PUTTING A FEW END FORMING BASICS TO WORK

The only difference is the shape of the forming tool. Its ID decreases; this feature forms the tube's OD, so it too decreases during the

Can Coil Springs Have Two Different Ends?

In addition to square and tangential ends, there is also a Pigtail style end. Just as the name implies, pigtail, the end winds smaller

What is Tube End Forming?

What is Tube End Forming? Seth Applications for Tube End Forming End-forming is a process that is used to change

Fiber Optic Pigtail Introduction and Installation Guide

The fiber optic pigtail is a short terminated optical fiber with a connector on one end, used

Pigtail Machine | Morita & Company

This machine performs to form an end of coil spring to a pig tail shape. A coil spring being inserted into a

Pigtail Wire Installation Made Easy: A Step-by-Step Guide for Beginners

Don't worry—many beginners face the same concerns regarding wiring. Luckily, pigtail installation is one of the most

Pigtail Coil Springs | Draco Spring Mfg. Co.

What are Pigtail Springs? Pigtail springs are a type of coil spring that features a coiled design with a pigtail end, which provides

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FIG. 5 is a diagrammatical overview of the whole construction of a pig tail forming apparatus according to the present invention. FIG.

What Is a Pigtail Connector? Types and Applications | CZT

A pigtail connector is a short cable with a connector on one end and bare (stripped) wire or fiber on the other. In fiber

How to Pigtail Ground Wires (Guide with Photos)

In general, to pigtail, a ground connection, first switch off the power supply to the electrical box you are handling.

What are Pigtails | Piping Glossary

The design of a pigtail typically features a helical or U-shaped coil made from materials such as stainless

Pigtail Braids: Ideas to Try and How to Do Them

We asked a hairstylist how to create pigtail braids and rounded up braided hairstyle ideas for

Types of Springs / Types of Coil Spring Ends | MW Components

There are many varieties of spring ends and configurations, including close end, square end, open end, and pigtail. Learn more

Fiber Optic Pigtails: Uses & Differences from Patch Cords

Understand fiber optic pigtails — definition, types, and how they differ from patch cords. Learn why pigtails ensure

34 Easy Pigtail Hairstyles for Adults to Try In 2025

Not sure how to take your pigtails from cute and sweet to trendy and chic? Keep scrolling for 34 easy pigtail hairstyles

Electrical Pigtail: 6 Steps Wiring Guide for Safe Connections

Learn how to create an electrical pigtail for safe and secure wiring connections. Follow our step-by-step guide and essential tools list.

Fiber Optic Pigtails: Choosing the Right LC, ST, or SC

Learn about the importance of fiber optic pigtails in network connections and discover the

Coil Spring Ends

Coil Spring Ends The three basic coil spring ends are tangential, square, and pigtail. Here, Mike Eaton shows you how to recognize

How To Make and Solder An Electrical Pigtail Connection

Welcome to the Easy Electric channel. This video brought to you by Easy Electric series. In this video, you learn how

Interventional Radiology Hub

We would like to show you a description here but the site won't allow us.

Effortless Pigtails Hairstyle Tutorial: Step-by-Step Guide

Learn how to create the perfect pigtails hairstyle with our easy, step-by-step tutorial.

How To Make Electrical Pigtail Wire Connections

How To Make a Pigtail Wire Connection Knowing how to make an electric pigtail is essential for car wiring projects.

Stainless Steel Tube End Forming | G & J Steel

Form stainless steel tube ends with precision. Swaging, flaring, beading, and more. Compatible with all metals and sizes. Request

Method and apparatus for forming a pig tail end on a coil spring

Disclosed herein is a method and apparatus for producing a barrel-shaped coil spring, by forming a coil spring having a first pig tail at

Understanding Pigtail Wire Harnesses: Key Components and

A pigtail wire harness is a type of wiring assembly that features a connector on one end, compatible with the target

Fiber cable termination

A fiber pigtail is a single, short, usually tight-buffered, optical fiber that has an optical connector pre-installed on one end and a length

End Forming Processes in Metal Fabrication

The ways to form the tube end boil down to a few basic methods, so understanding their capabilities and limitations is

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Conventional pigtail forming machines generally include an A head that receives the previously pigtailed coil and a B head that forms

Catheter Tipping Solutions | Machine Solutions

As the global leaders for catheter tipping equipment Machine Solutions provides innovative technology for

Sharpe Products

Learn what end-forming is in metal tube fabrication, including common techniques like beading, flaring, and expanding, and how it's

“Pig Tail” Forming Machine-Jinkong Automation Technology Co., Ltd.

The pig tail forming machine is one of the core equipment of the fully automatic suspension spring production line, specially designed

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the pig tail forming apparatus of the present invention basically comprises a cradle 18 and a rotary spindle 22 disposed on a common

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