

Brushed finish on the distribution box



AI Overview

A brushed finish on a distribution box is a surface treatment that creates a linear texture on stainless steel, enhancing appearance, durability, and ease of maintenance. What is a Brushed Finish? A brushed finish involves using abrasive brushes to create fine, uniform lines on the metal surface, giving it a matte, low-glare appearance. This process also removes burrs, smooths edges, and relieves stresses from other machining operations without altering the dimensions of the box. The brushing can be done with different brush types and filament lengths depending on the desired texture and intensity.

Benefits for Distribution Boxes

Aesthetic Appeal: The linear texture provides a professional, low-key metallic look suitable for exposed installations, avoiding the glare of mirror finishes.

Scratch Resistance: Minor scratches are less visible on brushed surfaces, maintaining a clean appearance over time.

Ease of Cleaning: Dust, oil, and fingerprints are less likely to adhere, making maintenance simpler, which is particularly important in food, pharmaceutical, or industrial environments.

Corrosion Resistance: When applied to stainless steel types like SUS304 or SUS316L, the brushed finish retains the material's inherent resistance to corrosion, including salt spray and harsh chemical exposure.

Durability: Brushed stainless steel is robust, with panels typically 1.5mm thick, formed by bending and spot welding to resist vibration and impact.

Applications and Features

Brushed distribution boxes are widely used in industrial, offshore, chemical, and outdoor environments due to their high protection against dust and water (IP55–IP66) and their ability to accommodate breakers, contactors, and other components with pre-reserved interior holes. The doors often feature industrial locks and high-elastic gaskets for safety and anti-theft protection. Additionally, welding areas can be re-brushed to ensure a uniform finish, and anti-fingerprint coatings are available upon request.

Summary

A brushed finish on a distribution box combines functional durabil...

Article Content

Control and distribution boxes made of stainless steel Series 8150

R. STAHL Series 8150 control and distribution boxes are made of brush-finished stainless steel (1.4301, AISI 304 or 1.4404, AISI 316L) and are extremely robust: High-quality seal materials make them

Brushed Metal Finish For Fabrication

In the metal fabrication industry, brushed metal finishing has become very popular. Have you ever seen a shiny piece of modern art sculpture, a car, or

Brushing Surface Finish: Ultimate Guide

Are you looking for a complete understanding of brushing surface finishing tools, techniques and best practices? This ultimate guide contains in-depth information on brushing metal

What is Brushing Finish Process? Complete Guide

It typically involves applying a sealant or protective coating to the metal surface to protect the brushed finish steel or brush aluminum finish from

Brushing Finish 101: Everything You Need to Know

In its simplest form, a brushing finish is a finishing process that creates a unidirectional satin finish on a metal surface. It involves using a brush

What is Brushing Finish Process? Complete Guide

Welcome to our comprehensive guide on the Brushing Finish process. The art of transforming ordinary metal into a masterpiece involves a multitude of

Best Engineered Wood Flooring Brands (2026 Real

Top rated engineered wood flooring brands compared through real homeowner reviews: Shaw, Mohawk, Bruce, Mannington, Kährs, and Mirage.

Brushing Finish: Process, Types, Materials and Benefits

In this article, we will delve into the artistry behind brushing finish, exploring the process, tools, and techniques involved. What does a brushed

Durable Stainless Steel Outdoor Electrical Enclosure IP65 Dustproof ...

Durable Stainless Steel Outdoor Electrical Enclosure IP65 Dustproof Metal Distribution Box Heavy Duty Project Housing

The perfect finish: Why Stainless Steel Box Section 304 Brushed ...

The brushed finish not only adds visual interest but also hides any scratches or marks that may occur during fabrication or handling. This finish is also commonly known as Dull Polished or

Brushed Surface Finish: Definition, Types, and Applications

Unlike mirror-polished finishes, which are glossy and reflective, a brushed finish diffuses light. This gives the surface a matte, satin-like appearance with visible grain patterns that subtly reflect light.

The Complete Guide to Brushing Surface Finish

Brushing is a crucial finishing technique for metal and non-metal products. Find out everything you need to know about brushed finishing in this

Brushed Electrical Floor Box Covers

Brass Electrical Floor Box Covers Brass electrical floor box covers are the most commonly used style. They install in homes or buildings over a compatible, same-branded floor box to protect in-floor

Brushing Surface Finish: A Comprehensive Guide

Brushing Stage (Core Finishing Process): In this central stage, an abrasive brush moves over the metal surface, usually in a linear or circular motion. This action removes surface defects and

Brushed metal

Brushed stainless steel or dull polished metal is metal with a unidirectional satin finish. It is produced by polishing the metal with a 120–180 grit belt or wheel then softening with an 80–120 grit greaseless

Customization of a complete distribution box

Learn the step-by-step process of customizing complete distribution boxes tailored to your needs. From requirement confirmation to design, production, and testing, find out how to get a

Brushing Surface Finish 101: All You Need To Know

There are multiple methods of surface finishing that help to improve the aesthetics of the parts. Know more about brushing surface finish in this blog.

Guide to Brushed Finish [+Maintenance Tips]

Discover the basics of brushed finish, tell its differences with polished and painted finishes and get maintenance tips to keep your surface durable.

Brushed Metal Finish: Types, Process, Tools and

Learn what brushing finishing is, how it works, common brushed textures, materials, and its applications in modern metal surface finishing.

Brushing Finish: Process, Types, Materials and Benefits

Brushing finish is a surface treatment technique that involves using a brush to create parallel lines or a textured pattern on a material.

Customized Brushed Finish Stainless Steel Power Distribution Box ...

It focuses on the sales of industrial automatic control system devices, distribution switch control equipment and electrical equipment. Our product range covers many fields such as

Brushing Surface Finish: Ultimate Guide

Discover the art of brushed metal finishes. Explore techniques, factors affecting quality, and comparisons with other finishes in this ultimate guide.

Brushed Finishing

Brushed finish guide covering the process μ , grit grades μ , and Ra targets μ , material behavior for steel $\otimes$, aluminum μ , and brass μ , and how to specify it correctly μ .

Brushed Finishes: Aesthetic and Functional Applications

Discover brushed finishes and their critical role in enhancing metal surface aesthetics, durability, and corrosion resistance. Learn about key processes,

What Is Brushing Finish? | Machmaster

Brushing finish, also known as satin finish or directional finish, is a mechanical surface treatment where an abrasive belt or wire brush is used to

The Complete Guide to Brushing Surface Finish

What Is the Brushed Metal Finish? Brushing is a precision finish and one of many surface finishes for metals. It involves variable grain abrasive brushes using unidirectional lines to create a

Contact Us

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