

SPECIAL SERVICES

Special Requests & Catalog Part Variations

If our standard catalog items don't meet your needs, please contact us at 1-800-860-TUBE(8823) for assistance with making alterations of standard parts, or to fabricate a custom part to your exact specification. We have extensive custom tube fabrication services available to help you meet your required specifications.

Porcelain Lining - for conveying moderately abrasive materials

This finish is a glassy composition that is fused to metal and is one of the hardest finishes for resisting abrasion. It also resists corrosive attacks from atmospheric pollution and extreme weather and temperature conditions. It extends the service life and is easily cleaned, reducing labor costs and simplifying maintenance.

This coating is available in single thickness (4 to 7 thousandths) and double thickness (8 to 12 thousandths) and have an average hardness of 6 to 7 in accordance with Moh's scale of hardness. The Moh's scale rates diamonds as the hardest at 10.

Porcelain enamel can be applied to any carbon or stainless metal fabrication configuration. Maximum straight length is 12 feet.

Ceramic Coating - for conveying highly abrasive materials

This coating, available on most catalog items, is designed for aggressive industrial environments where abrasive materials wear out parts quickly. Our ceramic coating will save money by reducing material loss, production delays, clean-up expense, labor costs and parts replacement costs.

Our compound contains a dense mixture of ceramic and silicon carbide beads providing maximum resistance to erosion from high velocity or moderate-size particles.

It is applied to the outside of the tube, once the interior of the part has worn through, the abrasion is transferred to the ceramic compound. This compound has an average hardness of 9 according to the Moh's scale of hardness. The Moh's scale rates diamonds as the hardest at 10.

Shot Peening

Shot peening or "peentex" produces directional dimpling that significantly reduces the formation of fines, fluff and streamers. The directional surface finish has the added benefit of hardening stainless or aluminum tube or pipe, extending the life of the surface treatment. It has been reported that shot peening will result in one third of the "fines" of the next closest finish. Carbon, stainless, and aluminum can be shot peened.

Spiral Grooving

Minimizing formation of streamers in transfer systems requires special consideration. Spiral grooving works to create turbulence in the conveying air stream and thereby minimizing the frequency of impact and the resultant smearing of plastic pellets against the tubing wall. According to H.A. Stoess, Jr., P.E. in his book, "Pneumatic Conveying", Spiral Grooving is one method that offers a pro-active approach and can save you valuable downtime.

Available for aluminum and stainless tube in 11 and 14 gauge with a wall thickness of .015-.020. 2" OD tube can be processed on straight lengths up to 20'. Bends can be made in house after grooving.

DELIVERY & PRICING

Fast fulfillment is available by freight or delivery service on a wide selection of in-stock METFLO products. We'll also make a diligent effort to meet emergency requirements for non-stock items.

All prices are FOB factory, Louisville, Ohio

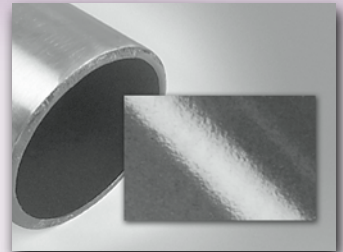
Terms: Net 30 days

Prices are in U.S. dollars

Prices and specifications are subject to change without notice, and without obligation. All material is invoiced at the price in effect at time of shipment. All prices and discounts are based on one shipment to one destination. Please see current price list for pricing.

Need something Special?

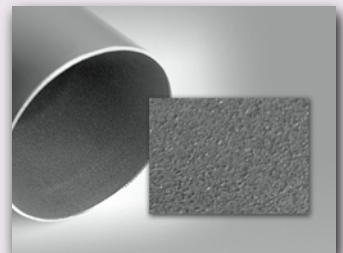
Our sales engineers will assist you in working out a cost-effective solution. Just call!



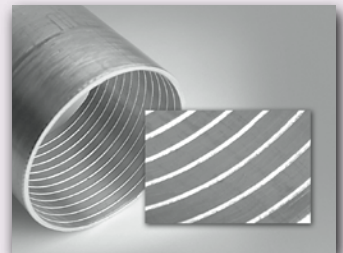
Porcelain Lining



Ceramic Coating



Shot Peening



Spiral Grooving

TERMINOLOGY

CLR	= Center Line Radius
ERW	= Electric Welded Resistance
FNPT	= Female National Pipe Thread
ID	= Inside Diameter
MNPT	= Male National Pipe Thread
NPS	= Nominal Pipe Size
OD	= Outside Diameter
SCH	= Schedule

All reference dimensions are nominal.