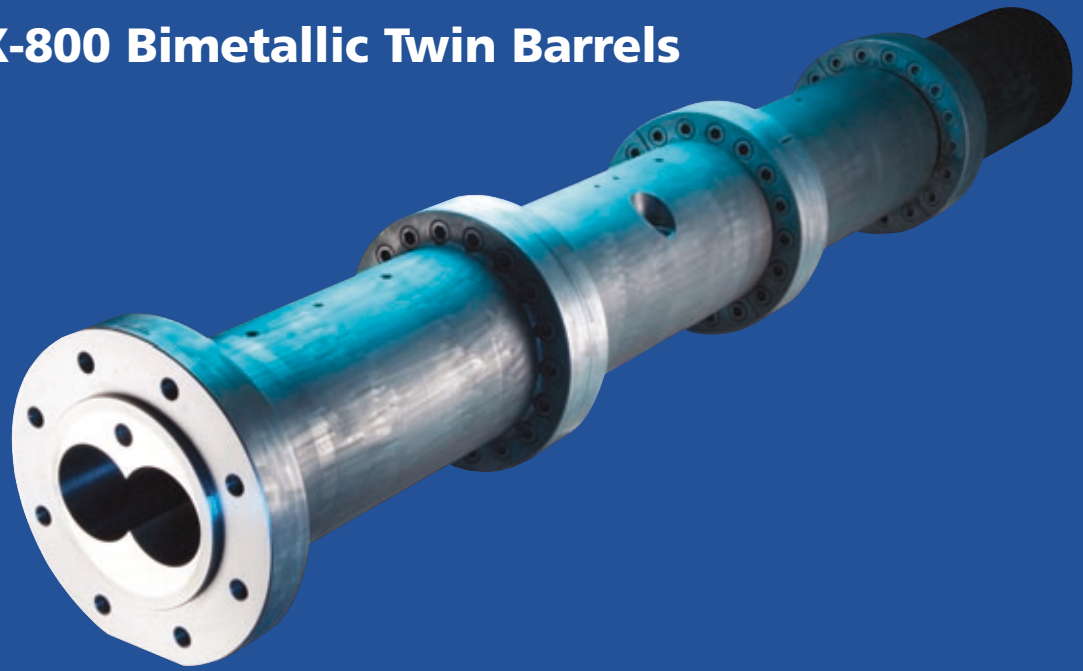


X-800 Bimetallic Twin Barrels

It's All About Service Life

- Last up to 4X as long as traditional Nitralloy barrels.
- More resistance to abrasive fillers.
- More resistance to corrosive volatiles.



Product photos courtesy of American Maplan.

High quality

X-800 barrels meet or surpass OEM specifications for dimensions, straightness and parallelism.

A skilled production team works exclusively on twin barrels.

Our twin barrel manufacturing operation is certified as meeting ISO 9001:2000 requirements.

Since 1973, Xaloy® X-800 bimetallic barrels have proven that they far outlast nitrided barrels in processing rigid PVC, other vinyl materials and plastic-wood composites. Xaloy® X-800 barrels are lined with a composite consisting of super-hard tungsten carbide particles uniformly dispersed in a nickel alloy matrix.

Screw compatibility

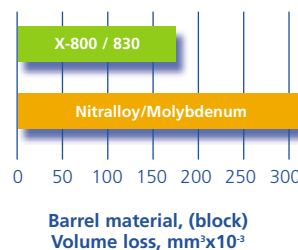
Screw-barrel compatibility is especially critical in counter-rotating twin-screw extrusion because of very high screw-to-barrel loading and the potential for adhesive and abrasive wear at the interface.

Xaloy®830 screw surfacing is the ideal companion to X-800 barrels.

It too is a hard, durable tungsten carbide composite specially formulated for maximum compatibility with X-800 barrels.

We work closely with leading extruder manufacturers and processors on testing various screw coatings to insure compatibility between our barrels and their screws.

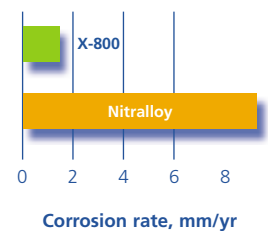
Fights Abrasive Wear



Abrasive test equipment: Falex Block on Ring Tester. Test Method: ASTM G 77.

Blocks made of barrel alloys were tested against rings made of screw hardfacing materials. The Nitralloy barrel/molybdenum hardfacing combination showed nearly double the wear of the X-800/X-830 pair, but the difference would be even greater if the test had been continued beyond the standard 20,000 cycles. The wear resistance of X-800 tungsten carbide composite is consistent throughout its depth. In Nitralloy, by contrast, hardness and wear resistance progressively decrease with depth into the material.

Combats Corrosive Wear



Corrosive medium is 20% HCl.

Xaloy® X-800 provides far more resistance to corrosion by HCl. That's a clear indication of its resistance to aggressive by-products of the thermal degradation of PVC or halogen-containing additives.

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X-800 Bimetallic Twin Barrels



Made right. Our highly skilled production and quality team makes sure that every X-800 barrel meets or surpasses OEM specifications for dimensions and straightness.

Relining or new

Xaloy can serve your needs for longer-lasting X-800 bimetallic twin barrels two ways: by relining your worn barrel or by supplying a completely new barrel.

In relining a worn nitrided barrel, the first step is to bore out the nitrided lining. Using our spin-casting process and proprietary joining methods, we produce a new twin liner with a bimetallic tungsten carbide composite inlay and fit it into the bored out casing. Each job gets a perfect custom fit. This is critical to insure proper heating and cooling of the plastic during processing.

Relining is highly cost-effective because the casing usually does not require replacement. Second-time and subsequent relining jobs cost less than first-time relines because there is no need to bore out the worn liner. We simply press out the old unit and replace it with a new X-800 liner.

Let's get started

Now's the time to reduce your ownership costs for twin-screw extruders. For more information or a quotation, contact your Xaloy representative today.

Please also contact Xaloy to meet your requirements for other high-quality extrusion processing components including single-screw barrels, high-performance single screws, chill rolls, screen changers and gear pumps.



Relining job uses new liner at right as an insert for an existing bored-out casing.

Our worldwide presence includes sales and service offices located in the United States, Europe, Thailand, Japan, China and India and a global network of agents geographically positioned to serve customers throughout the world.

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