

# Xaloy® Injection Barrels

Xaloy invented bimetallic cylinders more than 90 years ago and continues to lead the way in development of improved alloys and production processes.

Xaloy® bimetallic barrels meet the needs for wear and corrosion resistance for all injection molding requirements.

## Strong and straight

The structural shell of Xaloy® bimetallic barrels consists of a microalloy steel that maintains high strength and straightness after casting of the wear-resistant alloy lining. Unlike some barrel manufacturers, Xaloy can produce long barrels – up to 240 in. (6.1 m) – without resorting to butt welding. The benefit to you is a stronger, straighter barrel with no seams to trap polymers that can degrade and contaminate your process.



## Xaloy® X-800®: High wear resistance for injection molding

- Composition: Tungsten carbide particles uniformly dispersed in a corrosion-resistant nickel alloy matrix
- Outstanding resistance to both abrasive wear and corrosion
- Essential for molding highly filled abrasive materials such as those containing 25% or more glass fibers or mineral fillers (calcium carbonate etc.) and hard to melt materials such as HMW-HDPE or LLDPE
- Resists corrosive attack by aggressive volatiles released by additives or polymers

## Xaloy® X-102®: For general purpose use

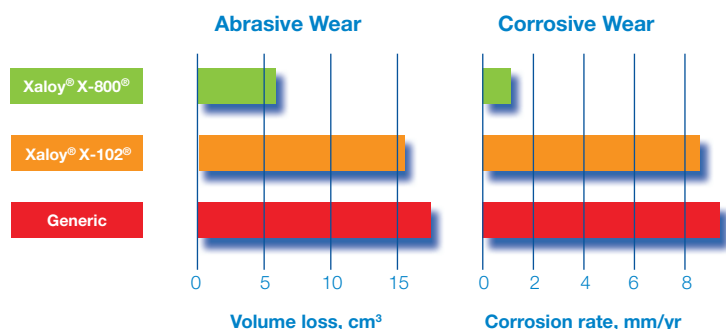
- Composition: Nickel-rich iron-boron alloy
- Cost-effective choice for either injection molding or extrusion of unfilled or lightly filled polymers having good thermal stability
- Outlasts generic competitive barrels in comparative testing

## Xaloy® X-220™: Higher-chromium iron-boron alloy

- Premium general-purpose barrel
- A step up in resistance to corrosion and abrasive wear

## Xaloy® X-306®: For highly corrosive environments

- One of the most corrosion resistant alloys in the industry. A nickel/cobalt base alloy for the most severe corrosive atmospheres.
- Applications include: highly corrosive environments, acidic salts, material with flame retardants, blowing agents, PVDF



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