

Xaloy® Extrusion Barrels

Nordson invented bimetallic cylinders more than 85 years ago and continues to lead the way in development of improved alloys and production processes.

Xaloy X-800®, X-102®, X-220™ and X-306® barrels meet the needs for wear and corrosion resistance for your extrusion requirements.

Features and Benefits

Xaloy X-800®: Our best extrusion barrel

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

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

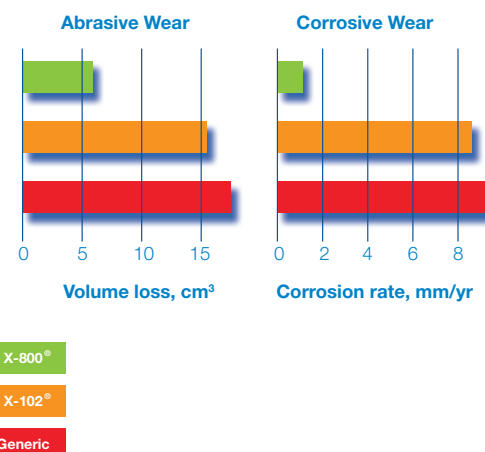
- Premium general-purpose barrel
- A step up in resistance to corrosion and abrasive wear

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

Xaloy X-102®: For general purpose

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



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, Nordson 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.

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