

Barrels

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

X-800® and X-102 barrels meet the needs for wear and corrosion resistance for your extrusion requirements.

Features and Benefits

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.

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

Premium general-purpose barrel.

A step up in resistance to corrosion and abrasive wear.

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.

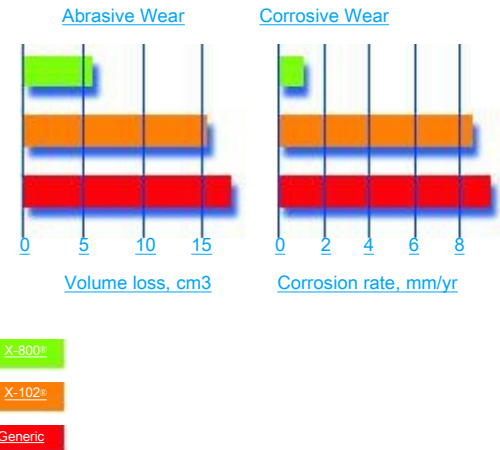
Applications include: highly corrosive environments, acidic salts, material with flame retardants, Teflon, blowing agents, PVDF.

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 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, 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.