

# Extruder Screw and Barrel Set

This high-performance screw and barrel set is designed for single screw extruders. These components are engineered for optimal plasticizing, mixing, and conveying of materials.



## Product Overview

### Precision Extrusion Components

This high-performance extruder screw and barrel set is specifically engineered for single-screw extrusion processes. Designed to optimize plasticizing, material mixing, and throughput, these components ensure high-quality melt consistency across a wide range of polymer applications. The construction utilizes advanced materials and surface hardening techniques to maximize wear resistance and operational longevity.

## Technical Dimensions

Diameter Range	15mm - 300mm
Maximum Length	10000 mm

## Material and Hardening

Screw Material	38CrMoAl A
Surface Hardness	900 HV
Nitriding Depth	0.5-0.8mm

## Barrel Specifications

Internal Lining	Tungsten alloy
Treatment Method	Surface spraying

## Features

Key Features	Wear-resistant, High-performance, Nitrided, Tungsten-sprayed
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