



Durable Twin Screw Extruder Barrel for PA PC ABS Materials High Performance Heat Resistant

Our Product Introduction

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Basic Information

- Place of Origin: Nanjing China
- Brand Name: HLD
- Certification: CE/ISO9001
- Model Number: Customized
- Minimum Order Quantity: 1/set
- Price: Negotiable/ pcs
- Packaging Details: Bubble wrap/ Wrap film/ Wooden box
- Delivery Time: 3~5 Days
- Payment Terms: T/T
- Supply Ability: 20000~50000 set/year



Product Specification

- Product Name: Twin Screw Extruder Barrel
- Applicable Materials: PA (Nylon), PC (Polycarbonate), ABS (Acrylonitrile Butadiene Styrene), And Other Engineering Plastics
- Material: High-quality Alloy Steel (bimetal Coating Optional)
- Processing Technology: Nitriding, Heat Treatment
- High-Temperature Resistance: Maximum Temperature Resistance Of 350°C, Suitable For High-temperature Plastic Processing
- Package: Wooden Case
- Hardness: HRC 60-62
- Lead Time: 35 Days
- Application: Automotive Industry, Electronics And Electrical Appliances, Packaging Industry, Building Materials, Medical Devices
- Product Advantages: High Wear Resistance, High-temperature Resistance, Efficient Heat Transfer, Easy



More Images



Product Description

Durable Twin Screw Extruder Barrel for PA PC ABS Materials High Performance Heat Resistant

Product Description

The **Durable Twin Screw Extruder Barrel** is a critical component designed for high-performance plastic processing, suitable for extruding various engineering plastics such as PA (Nylon), PC (Polycarbonate), and ABS (Acrylonitrile Butadiene Styrene). Made from **high-quality alloy steel**, this barrel undergoes precision machining and heat treatment, offering exceptional **wear resistance** and **corrosion resistance**, ensuring stable operation under high temperature and pressure conditions.

Key Features

- 1. High Wear Resistance**
The inner wall of the barrel is treated with **nitriding** or coated with **bimetal alloy**, significantly enhancing wear resistance, extending service life, and reducing maintenance costs.
- 2. High-Temperature Resistance**
The barrel is processed with **special heat treatment**, ensuring it remains deformation-free and maintains hardness under high temperatures, making it ideal for processing high-temperature plastics like PC and PA.
- 3. Efficient Heat Transfer**
The optimized barrel structure ensures **uniform heat conduction**, preventing localized overheating or cooling, thereby improving product consistency.
- 4. Modular Design**
The barrel length and structure can be customized to meet client requirements, making it compatible with various models of twin-screw extruders and catering to diverse production needs.
- 5. Easy Maintenance**
The barrel features a **segmented design**, allowing easy disassembly and replacement, minimizing downtime, and enhancing production efficiency.

Applications

- 1. Automotive Industry**
Used for producing PA-based automotive components such as gears, bearings, and engine covers, meeting demands for high strength and wear resistance.
- 2. Electronics and Electrical Appliances**
Suitable for processing PC and ABS materials to produce electronic housings, connectors, and insulating parts, ensuring high precision and stability.
- 3. Packaging Industry**
Used for manufacturing high-transparency PC-based food packaging containers and bottle caps, complying with food-grade safety standards.
- 4. Building Materials**
Ideal for producing ABS and PC materials for pipes, sheets, and door/window profiles, offering excellent weather resistance and mechanical properties.
- 5. Medical Devices**
Used for producing PC-based medical equipment housings and transparent components, meeting high cleanliness and chemical resistance requirements.

Technical Specifications

- **Material:** High-quality alloy steel (bimetal coating optional)
- **Processing:** Nitriding, heat treatment
- **Operating Temperature:** Up to 350°C
- **Length Range:** Customizable based on client needs
- **Compatibility:** Suitable for various brands and models of twin-screw extruders

Customer Value

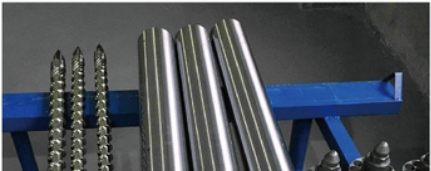
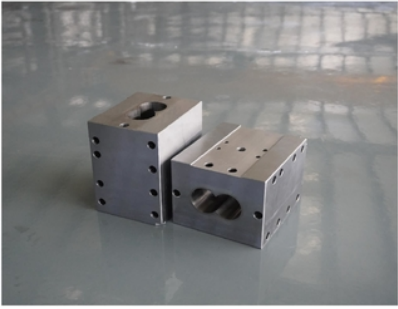
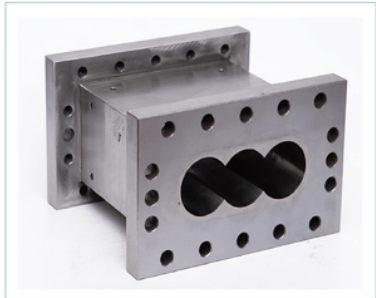
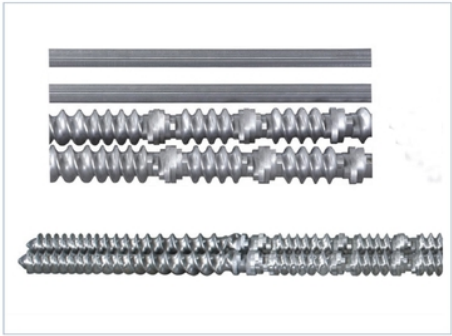
- 1. Improved Production Efficiency**
High wear resistance and temperature resistance reduce downtime, ensuring continuous and efficient production.
- 2. Reduced Operating Costs**
Extended barrel service life minimizes replacement frequency and maintenance expenses.
- 3. Enhanced Product Quality**
Uniform heat conduction and stable operation ensure product consistency and high quality.
- 4. Flexible Compatibility**
Modular design meets diverse production needs, offering customized solutions.

Conclusion

The **Durable Twin Screw Extruder Barrel**, with its **high wear resistance**, **high-temperature resistance**, and **modular structure**, is an ideal choice for processing engineering plastics such as PA, PC, and ABS. Whether in automotive, electronics, packaging, or medical industries, it provides efficient, stable, and cost-effective solutions, helping businesses enhance competitiveness and market share.

Model	L/D	Screw national standard diameter
H-20B	28~60 :1	21.7mm
H-35B	28~60 :1	35.6mm
H-50B	28~60 :1	51mm
H-65B	28~60 :1	62.4mm
H-75B	28~60 :1	71.5mm

Product details





FAQ

1:How many years of experience do you have?

Over 15 years experience in extruder industry.

2:Are you traders or manufacturers?What is the area of the factory?

We are manufacturer,The factory is over 5000 square meters.

3:Screw and barrel accessories, who is produced?

Our factory manufactures it ourselves

4:Can I have a sample order for extruder?

Yes, we welcome sample order to test and check quality. Mixed samples are acceptable.

5:How to proceed an order for ?

Firstly ,let us know your requirements or application.

Secondly ,We quote according to your requirements or our suggestions.

Thirdly ,customer confirms the samples and places deposit for formal order.

Fourthly, We arrange the production.

Finally, arrange delivery

6: Provide technology and formula?

For orders over a certain amount, we will provide the technology and formula to help you complete the project.

7: Have a catalogue?

[HLD Album.pdf](#)

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