



Forward & Reverse Thread Elements for Twin Screw Extruder, Pressure Building Screw Segments for Extrusion Line

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: HLD
- Certification: CE/ISO
- Model Number: TSE-50
- Minimum Order Quantity: 1
- Delivery Time: 7 work days
- Payment Terms: T/T



Product Specification

- Screw Design: Double Screw
- Main Features: High Torque/High Output/High Efficiency
- Process Material: PA/PE/PP/PLA
- Machine Material: W6Mo5Cr4V2 OR CUSTOMIZED
- Screw Diameter: 50.5mm
- Model: TSE-50
- Application: Plastic Granulator
- Screw Hardness: 60-64



More Images



Product Description

Forward and reverse threaded screw segments are essential pressure-regulating and process-adjusting parts for twin screw extrusion

production lines. Forward thread elements are mainly used for rapid material conveying and forward pushing to ensure stable feeding and continuous production; reverse thread elements adopt reverse spiral structure, which can effectively build stable material back pressure in the extrusion barrel, create closed processing areas, and meet the process requirements of liquid additive injection, vacuum devolatilization, gas removal and reactive modification. The whole body is made of high-strength alloy steel with deep nitriding treatment, which improves surface wear resistance and internal toughness, avoiding fracture and deformation under long-term high-pressure working conditions. The spline connection part adopts high-precision tolerance design, with tight assembly, firm locking, no looseness during high-speed operation and strong interchangeability. These screw segments are widely suitable for modified processing of PP, PE, ABS, PA, PC and various engineering plastics, as well as biodegradable material compounding. We support customized reverse angle, thread pitch and pressure-building length. All products adopt dust-proof and anti-collision export packaging. Our after-sales system covers global remote installation guidance, production process parameter adjustment, regular use feedback follow-up, timely after-sales problem solving and long-term technical support services.

The material of the threaded element

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

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