

# BLOW MOULDING SCREW BARREL



HI-TECH Screw Barrel Works manufactures highly elegant Blow Molding Screw Barrel sets. Boasting of latest features and superior construction, the molding screws are used in various industrial machineries such as, extruder and injection blow molding machineries for manufacturing for various kinds of house hold items, water tanks, toys etc.

The blow molding screw comes in different sizes ranging from **25mm to 200mm**. **The maximum length of the screw is 5 meters**. It's also designed based on the specifications provided by clients. Hi-Tech manufactures both standard type & groove feed type blow molding screw barrel sets.

## Characteristics :

- ☆ Superior performance
- ☆ Designed to be used in many industries
- ☆ Groove Feed type screw barrel sets

## Machinery Application :

- ➔ Blow molding machineries
- ➔ Rubber blow molding machines
- ➔ Plastic industries
- ➔ Extrusion plants

## Product Application :

- ➔ FMCG plastic products
- ➔ Lubricant oil plastic bottles
- ➔ Pharmaceutical plastic products
- ➔ Waste management and storage
- ➔ Pesticides bottles
- ➔ Plastic toys
- ➔ Cosmetics
- ➔ Industrial

## Technical Details :

- ➔ Screw Barrel Made from MUSCO grade **EN 41B - 38CrMoALA**. Hardness up to **68 HRC in depth 0.6mm**.
- ➔ Barrier screws are a way to increase throughput of single-screw extruders and improve melt quality.
- ➔ The use of groove feed in barrel for higher output & better process stability. It includes the benefits like increased output, reduced melt temperature, improved mixing quality and liner consistency.
- ➔ Groove feed in the barrel for processing of polymers like **HDPE, PP, LLDPE, LDPE** etc.
- ➔ Groove feed body is made from **M.S** & housing is made from **EN 8**.
- ➔ Groove sleeve is made from **HSS material** for internal cooling system.
- ➔ Hardness of HSS sleeve is **60-62 HRC** through vacuum hardening process.

