

MANUFACTURING OF PLASTIC  
EXTRUSION MACHINERY & SPARES



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AN ISO 9001-2008  
CERTIFIED COMPANY



## GROOVED FEED SLEEVE



Grooved feed sleeves are widely used to extrude PP & PE. Grooved feed extruders produce 30-40% higher output per rpm compared to same size smooth bore extruders. A grooved feed section improves solid conveying and increases extruder pumping action. It also lowers processing melt temperature. Grooved feed sleeves come with an internal water cooling section to prevent resin from melting in the grooved section.

Grooves inside the internal diameter of grooved feeds are tapered, having maximum depth at the feeding side and zero depth towards the die side. Nitrided sleeves are widely used for wear resistance, but in some abrasive polymer applications, bimetallic hardened internal grooved bushings are used to increase the life of the grooved sleeve.

Grooved feed sleeves range from 35mm internal diameter to 135mm internal diameter, with or without an additional outer cooling jacket. Tailor-made sizes are also available on demand.



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