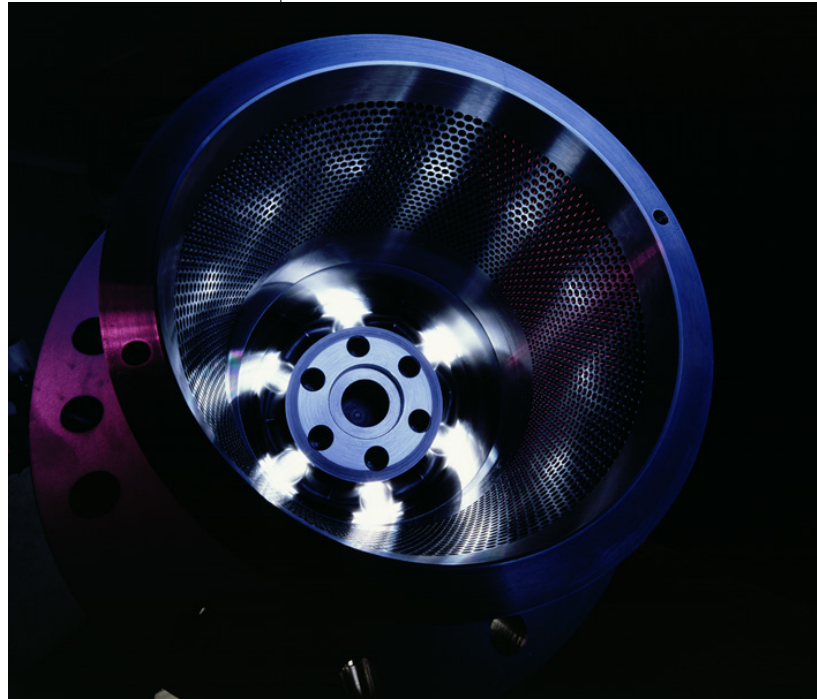


**Polyolefin Pipe
Extrusion Heads
Large Diameter**

Technical *report*



American Maplan PO extrusion heads are designed for high memory resins to improve production rates, co-extrusion applications and finished appearance.

Characteristics

The American Maplan PO extrusion heads incorporate new levels of technology to maximize pipe diameter ranges while minimizing changeover times. The lattice basket design is particularly suited for material with distinct memory properties such as polyethylenes, polypropylenes, and polybutylenes. These heads can produce pipe diameters ranging from 16-1600 mm heads.

Accessories

American Maplan also provides a supportive line of optional equipment to maximize performance from these PO extrusion heads, including carts for pipe head support and cross-head and co-extrusion dies.

Advantages:

- High extrusion throughput rates
- Improved physical properties of finished pipe due to enhanced homogeneity and temperature distribution
- Excellent wall thickness control minimizes overweight
- Improved ID appearance
- Wider range of pipe sizes from each head due to increased volume of heads
- Designed for high memory materials



PO Pipe Extrusion Heads (Large Diameter)

Standard Features:

- Constant processing characteristics over the full range of materials
- Constant product quality from the smallest to the largest pipe size
- Low pressure build up
- Low melt temperature at high extrusion rate
- Excellent homogenizing effect

Optional Accessories:

- Carts for pipe head support
- Striping
- Co-Extrusion
- Mandrel temperature control units



American Maplan's lattice basket design brings a new level of technology to polyolefin pipe extrusion.

Technical data

Heads	PO800/1000 SI	PO1000/1000 SI	PO1200/1200 SI	PO1400/1200 SI
Throughput [kg/hr]	1000	1000	1200	1200
Maximum Pipe Diameter [mm]	800	1000	1200	1400
Minimum Pipe Diameter [mm]	315	450	630	710
Maximum Heating Zones (head)	19	25	26	26
Maximum Heating Zones (die set)	7	10	6	6
Heating Capacity [kW]	109.8	177	254.3	254.3
Weight (w/o die set) [kg]	6000	15,000	23,000	25,000

In the interest of continuing development, we reserve the right to amend any specification without notice.



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