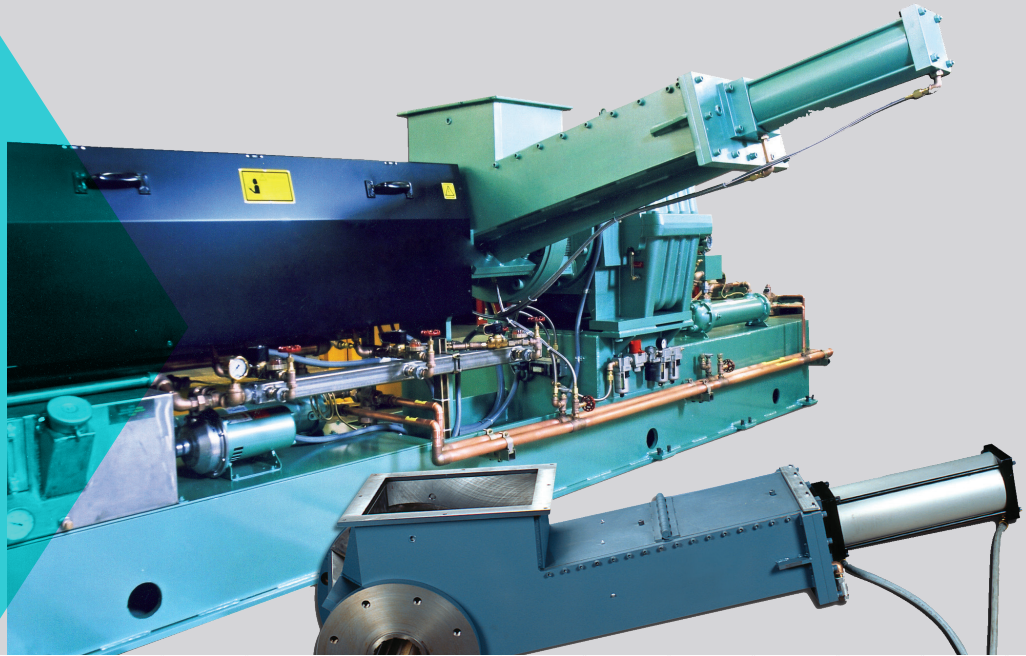




DAVIS-STANDARD®

Where your ideas take shape.

Reclaim



Ram Stuffer Extruder

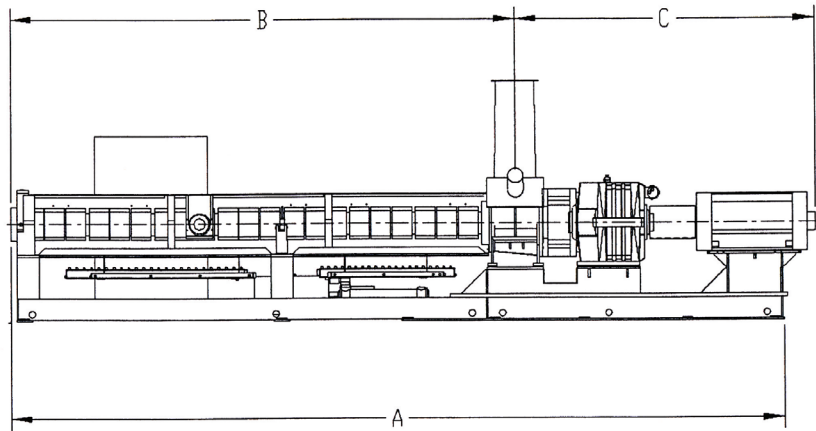
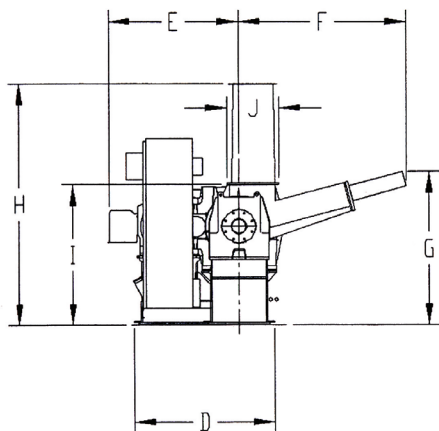
Overview

The Ram Stuffer single screw extruder is specifically designed for light feed stocks. The feed throat features a pneumatic ram to “stuff” material into the screw. Feed area designed with grooves for enhanced performance.

Features

- Throat opening 12 to 14 times the size of standard throat openings
- Low attack angle to maximize feed
- Pneumatically-operated ram
- Fully adjustable stroke cycle

Ram Stuffer Extruder



MACHINE DESIGN PARAMETERS

| | Size | 3 ½ in. (90mm) | 4 ½ in. (114mm) | 6 in. (152mm) | 8 in. LD (203mm) | 8 in. HD (203mm) |
|------------------|---|--------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|
| | L/D Ratio | 34:1 | 34:1 | 34:1 | 34:1 | 34:1 |
| | Standard Drive Size HP (kW) | 150 (111 kW) | 300 (224 kW) | 600 (448 kW) | 800 (597 kW) | 1,200 (895 kW) |
| | Reduction Ratio | 17:1 | 17:1 | 17:1 | 17:1 | 17:1 |
| | AGMA HP Rating @ 100 RPM | 257 (192 kW) @ 1.5 SF | 400 (298 kW) @ 1.5 SF | 700 (522 kW) @ 1.5 SF | 1,420 (1059 kW) @ 1.5 SF | 2,500 (1865 kW) @ 1.5 SF |
| | Thrust Bearing Avg. Life (Hours) @ 100 RPM, 5,000 PSI (344 bar) Continuous Operation | 421,000 hrs. | 453,000 hrs. | 509,000 hrs. | 103,500 hrs. | 1,146,000 hrs. |
| | Maximum Internal Barrel Pressure (psi) | 10,000 psi (689 bar) | 10,000 psi (689 bar) | 10,000 psi (689 bar) | 10,000 psi (689 bar) | 10,000 psi (689 bar) |
| Heat Zone Data | Barrel Zones | 6 | 7 | 7 | 7 | 7 |
| | kW/Barrel Zone | 11 | 15.6 | 24 | 33 | 33 |
| Production Rates | PE Film (lbs./hour) | 750 - 900 | 1,300 - 1,600 | 2,300 - 2,800 | 3,500 - 4,000 | 5,000 - 6,000 |
| | PP Film (lbs./hour) | 500 - 650 | 800 - 1,100 | 1,500 - 2,000 | 2,500 - 3,000 | 4,000 - 5,000 |
| | Fiber (lbs./hour) | 400 - 500 | 675 - 800 | 1,200 - 1,400 | 2,200 - 2,500 | — |

MACHINE DESIGN DIMENSIONS

| Size | 3 ½ in. (90mm) | 4 ½ in. (114mm) | 6 in. (152mm) | 8 in. LD (203mm) | 8 in. HD (203mm) |
|--------------|--|--|------------------------------------|------------------------------------|------------------------------------|
| A | 160 in. (4064mm) | 263 in. (6680mm) | 325 in. (8255mm) | 395 in. (10,033mm) | 428 in. (10,871mm) |
| B | 125 in. (3175mm) | 162 in. (4115mm) | 215 in. (5461mm) | 285 in. (7239mm) | 285 in. (7239mm) |
| C | 84 in. (2133mm) | 101 in. (2565mm) | 123 in. (3125mm) | 125 in. (3175mm) | 148 in. (3760mm) |
| D | 56 in. (1422mm) | 53 in. (1346mm) | 60 in. (1524mm) | 68 in. (1727mm) | 106 in. (2692mm) |
| E | 30 in. (762mm) | 46 in. (1168mm) | 57 in. (1448mm) | 57 in. (1448mm) | 57 in. (1448mm) |
| F | 65 in. (1651mm) | 67 in. (1702mm) | 71 in. (1803mm) | 92 in. (2337mm) | 92 in. (2337mm) |
| G | 65 in. (1651mm) | 65 in. (1651mm) | 65 in. (1651mm) | 70 in. (1778mm) | 70 in. (1778mm) |
| H | 90 in. (2286mm) | 90 in. (2286mm) | 103 in. (2616mm) | 120 in. (3048mm) | 120 in. (3048mm) |
| I | 56 in. (1422mm) | 60 in. (1524mm) | 60 in. (1524mm) | 60 in. (1524mm) | 60 in. (1524mm) |
| J (L x W) | 10 1/2 in. x 14 in. (267mm x 356mm) | 13 1/2 in. x 16 in. (343mm x 406mm) | 18 in. x 18 in. (457mm x 457mm) | 24 in. x 24 in. (610mm x 610mm) | 24 in. x 24 in. (610mm x 610mm) |