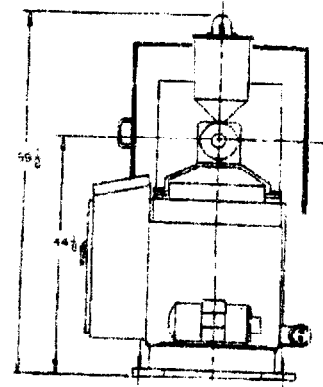
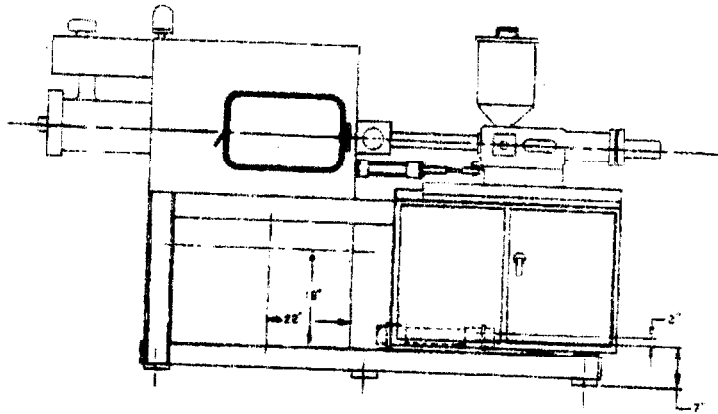
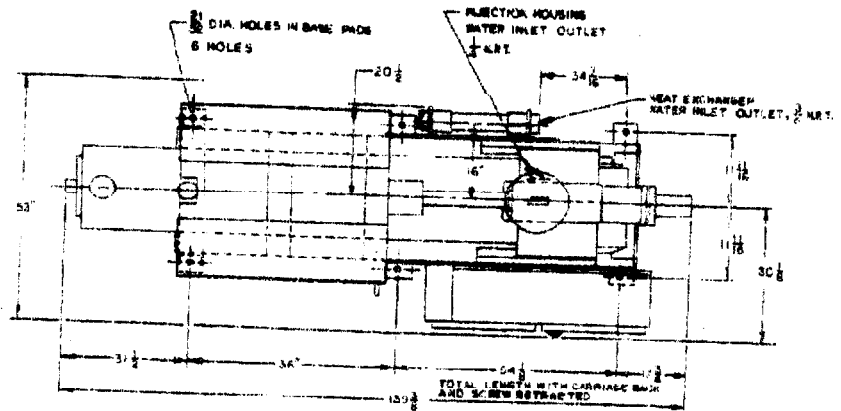


# VAN DORN®

## 40-RS-2

### Hydraulic Clamp



#### PERFORMANCE

Ounces molded per shot (styrene) dependent upon conditions	2 oz.
Plasticizing cap. (lbs. per hr.) (styrene) based on continuous rotation	54
Processing (styrene) oz./sec.	.24

#### INJECTION UNIT

Screw Diameter	1.102"
Screw Stroke	3.5"
Cubic inch displacement	3.3
Maximum PSI on material	21,000
Injection rate cu. in./sec. full injection pressure	3.7
Screw Speed Range RPM	standard 20-235 optional 20-185
Standard Screw Motor torque*	1475
Optional Screw Motor torque*	1850
Back Pressure adjustment (PSI)	0-200

#### GENERAL SPECIFICATIONS

Motor 230/460 volts	15HP
System Pressure (PSI)	clamp 1950 injection 1500
Heater watts @ 460 volts	4650
Oil Reservoir (Gal.)	45

Pump Capacity (GPM)	19
Machine dimensions (LxWxH)	12' x 55' x 72'
Weight (lbs.)	4000

#### CLAMP UNIT

Clamp Force (Tons)	40
Clamp stroke fully adj. to max. of	10 1/2"
Open Daylight (max.)	15 1/2"
Mold Thickness (min.)	5"
Space Between Tie Bars	10 7/8" x 10 3/4"
Platen Size (HxV)	16 1/2" x 19 3/8"
Maximum Mold Size	10 1/2" x 17"
Diameter of Tie Bars	2"
Unclamp Force (Tons)	2.7
Clamp Open Speed (cal.)**	1550
Clamp Close Speed (cal.)**	1600
Ejector Stroke	2 1/2"
Optional Open Daylight (max.)	21 1/2"

\*inches lbs.      \*\*inches per min.

# VAN DORN®

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Manufactured By The  
**TRUBOR** DIVISION OF VAN DORN COMPANY

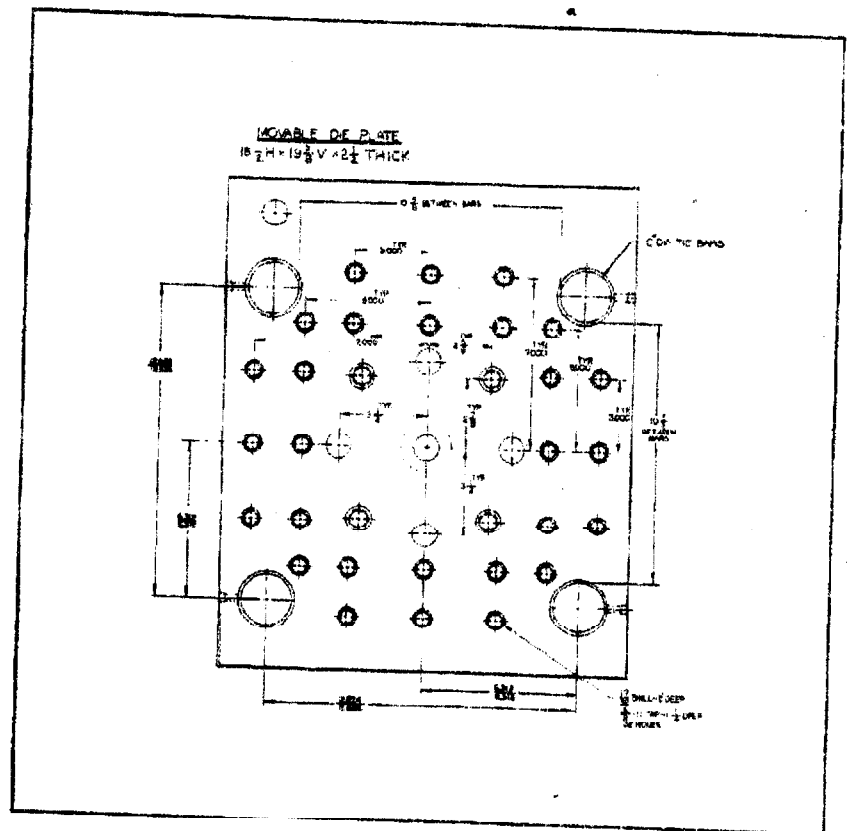
# VAN DORN®

## 40-RS-2

### Hydraulic Clamp

#### STANDARD FEATURES

- High speed hydraulic clamp with limit switches conveniently located to the left of the operator station controlling all forward and reverse functions. Clamp speed control valve.
- Low pressure mold protection.
- Clamp deceleration control.
- Hydraulic Ejector with multiple stroke and adjustable speed SPI knock out pattern.
- SPI hold down pattern for mounting molds.
- Electrical control panel at operators station houses all electrical logic, timers and temperature controllers.
- Transformer to supply 115 volts for control circuits and solenoids.
- SCI Pathfinder Microprocessor control.
- Two zone temperature control.
- Nozzle pyrometer.
- Barrel heater cover.
- Purge guard.
- Meets OSHA and ANSI standards for maximum operator safety.
- Low pressure safety shut-down with indicator light.
- Cycle failure shut-down with indicator light.
- Circuitry for manual, semi and full automatic operation. Easily converted to Thermoset operation.
- Dual oil filtration system includes reservoir filtering for pump and low micron return line filter with magnet and indicator to signal when cleaning is required. Oil level and temperature gauge.
- High capacity heat exchanger for efficient cooling of hydraulic oil.
- Pivoting injection unit for easy screw removal.
- Low compression alloy steel screw, hardened and nitrided. Optional screws are available.
- Nitralloy barrel, 20:1 L/D ratio.
- Swing-away hopper for easy material removal.
- Adjustable screw speed, injection speed and back pressure.
- Micro-adjust shot volume for precise control.
- Second stage injection holding pressure.
- Melt decompression.
- Self-adjusting mechanical safety rod on movable platen.



#### OPTIONAL EQUIPMENT

- Hydraulic core pull system with SPI A, B, C, & D sequence.
- Automatic lubrication.
- Screw tachometer.
- Electric cycle counter.
- Increased maximum daylight (Increases Min. Mold).
- Bimetallic barrel.
- Hard faced screws.
- Hydraulic actuated shut-off nozzle.
- Thermostatically controlled water valve for heat exchanger.
- Flow molding.
- Thermoset equipment.
- Injection/compression molding cycle.
- Sprue break.
- Breather cycle.
- Thermoplastic/thermoset combination machine—includes the necessary hydraulic and electrical circuitry so the machine is ready to accept either thermoplastic or thermoset barrel, screw and related parts. Sprue break and screw delay timer are selectable by a switch.
- Hour meter.
- Optional screws available on request.
- Optional motor voltages available at extra cost.
- Solid state control other than Pathfinder.
- Programmable controls other than Pathfinder.
- Variable volume pump.

# VAN DORN®

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