supplement B to bulletin 3257-D

"Buffalo"

new model B
R-P-Mster

Drilling Machines
provides an improved model in a variable speed drilling machine
The original Buffalo R-P-Mster drills were pioneers in variable speed drilling. The Model A machines incorporated many refinements and improvements. The new Model B series represents the latest advances.

The increased capacity, speed range, ease of changing speeds and other improvements are spelled out in charted form. The utilitarian design, solid construction and accessibility of controls can save you time and money.

At the same time, fundamental design and performance characteristics of the job-tested R-P-Msters are retained to assure reliability and economy.

The new Model B R-P-Mster drilling machines are available in the pedestal type, one to six spindles, and in the round column floor type. Both arrangements are of extra heavy design, well ribbed and supported to assure vibration free drilling.

**POWER FEED** — this unit is a simple, fool-proof, rugged, all-gearred drive. Helical high speed gears are ball bearing mounted. “Pick-off” gears, with hardened steel inserts, prevent keyway wear. All moving parts are lubricated. The hardened tool steel worm is full ball bearing mounted to take thrust and radial loads. Clutch parts are hardened and tempered tool steel.

**COUNTER BALANCE BAR** — compensates for weight of various chucks or tools by regulating the spindle return, and counter balances the entire sliding head.

**SPINDLE** — Alloy steel spindle with six driving splines is mounted in precision bearings of ample size to carry both radial and thrust loads. Spindle nose is fitted with Morse Taper to allow high speed drills to be used to maximum capacity of the machine.

**SPINDLE SLEEVE (Quill)** — Rack teeth, cut integrally, eliminate large and clumsy combination key and rack. The key is separate and prevents lateral motion of the spindle sleeve. Ball bearings, in oversize cages, are mounted at the ends of the sleeve, and provide a greater ratio of bearing length to sleeve diameter in the sliding head.

Refer Bulletin 3257 for further details.
**BUFFALO FORGE COMPANY**

**MACHINE TOOL DIVISION / BUFFALO, NEW YORK**

**CANADIAN BLOWER AND FORGE CO., KITCHENER, ONT.**

Litho in U.S.A.  B-3257D

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**MODEL**

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<th>WAS</th>
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<tbody>
<tr>
<td>Capacity (mild steel)</td>
<td>1(\frac{1}{2})&quot;</td>
<td>2&quot;</td>
<td>2&quot;</td>
<td>2(\frac{1}{2})&quot;</td>
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<tr>
<td>Speed Range (infinitely variable)</td>
<td>75-1300</td>
<td>30-2000</td>
<td>75-1300</td>
<td>30-2000</td>
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<tr>
<td>Spindle Torque (ft. lbs.)</td>
<td>210</td>
<td>525</td>
<td>350</td>
<td>875</td>
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<tr>
<td>Back Gear Ratio</td>
<td>4:1</td>
<td>5.5:1</td>
<td>4:1</td>
<td>5.5:1</td>
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<tr>
<td>Motor Speed</td>
<td>1200</td>
<td>1800</td>
<td>1200</td>
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<tr>
<td>Motor Horsepower Standard Maximum</td>
<td>3</td>
<td>3</td>
<td>5</td>
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<tr>
<td>Spindle Centers of Multiple Spindle Drills</td>
<td>16&quot;</td>
<td>19&quot;</td>
<td>16&quot;</td>
<td>19&quot;</td>
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<tr>
<td>Speed Changer</td>
<td>LEVER</td>
<td>HAND WHEEL</td>
<td>LEVER</td>
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<tr>
<td>Speed Indicator</td>
<td>DIAL</td>
<td>TACHOMETER</td>
<td>DIAL</td>
<td>TACHOMETER</td>
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*CONTINUOUS RATING AT 100 RPM DRILL SPEED AND 0.014" PER REVOLUTION FEED WITH 7\(\frac{1}{2}\) HP MOTOR.*

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[Image of the Buffalo R-P-Mster drills]