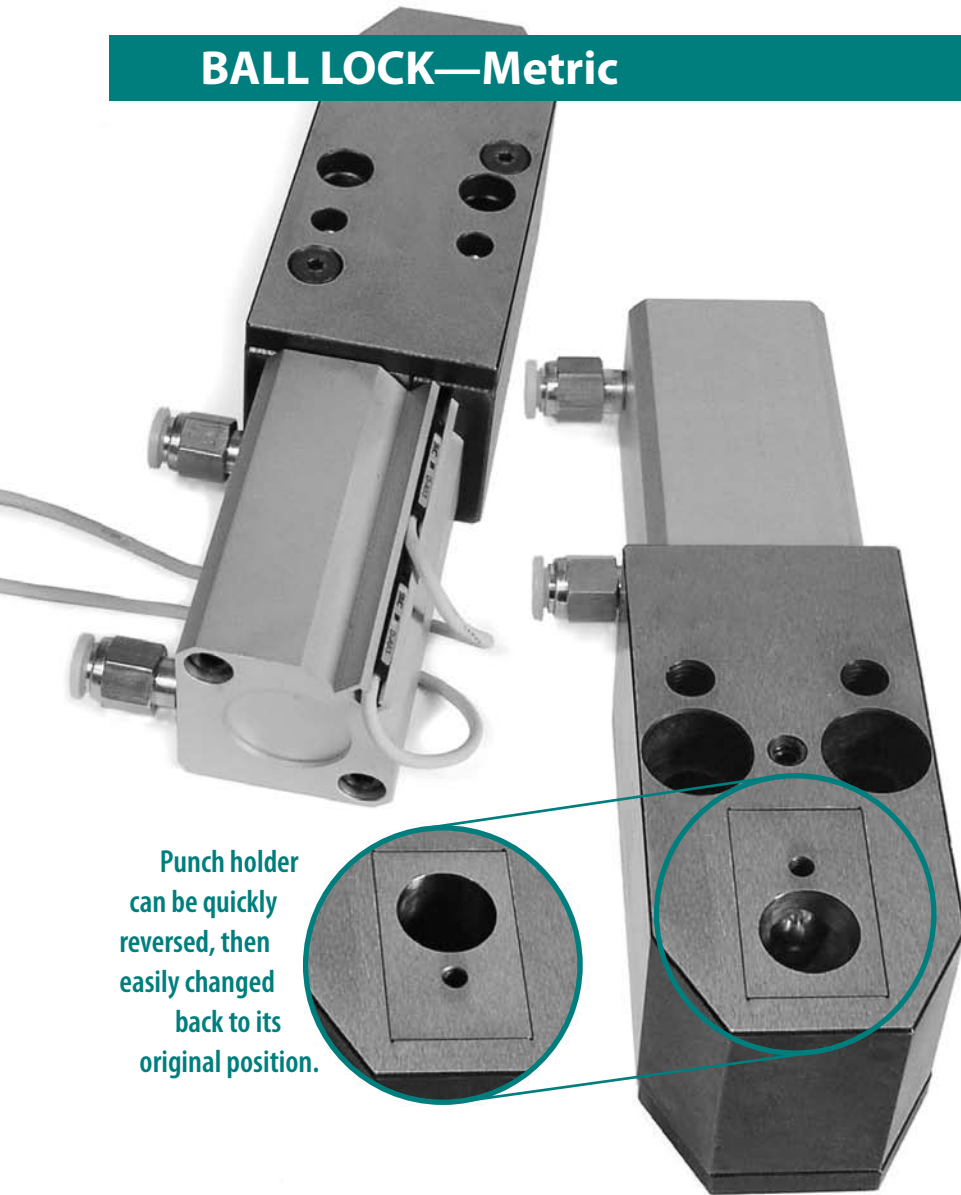


# Reversible Change Retainers

*Quick Change.*  
Ideal for  
close-space  
punching.

**BALL LOCK—Metric**



Punch holder  
can be quickly  
reversed, then  
easily changed  
back to its  
original position.

## A change for the better!

# Change Retainers



Global leader in  
providing fabrication  
and stamping solutions

[www.daytonprogress.com](http://www.daytonprogress.com)

# Quick change. Reversible.

Dayton Reversible Change Retainers —designed specifically for Ball Lock punches— are a unique air cylinder type change retainer that give you the ability to change hole-punching patterns quickly. The punch holder —which is located inside the retainer —can be easily removed and reversed.

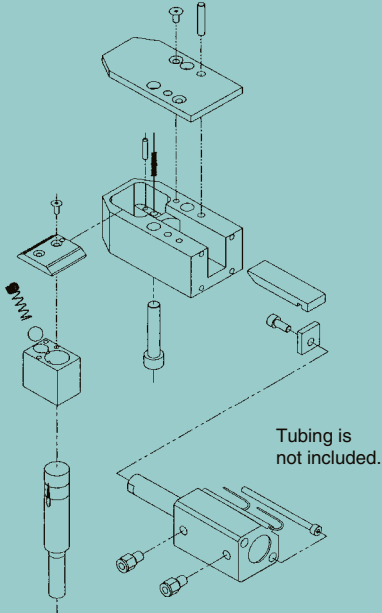
Retainers hold the punch in two different locations: one, the NAAMS™ standard location; two, 12 mm closer to the front.

## One-of-a-kind design.

This innovative design allows a variety of punch configurations, e.g., right- and left-hand parts. In addition, lead wires attach to a control panel light to show the on/off position of the cylinder, making set-up worry-free.

This flexibility can help lower production cost by eliminating the need for a second die, shortening changeover time, and reducing downtime.

## Components

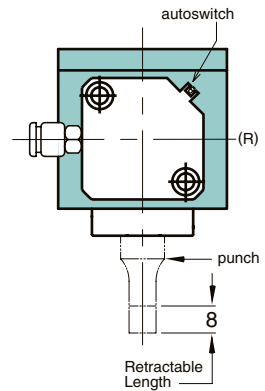
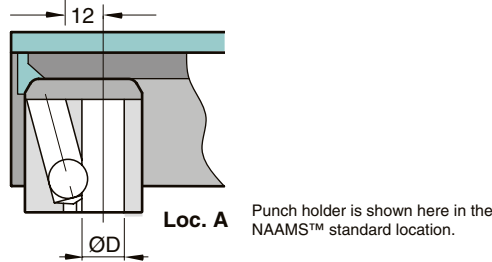
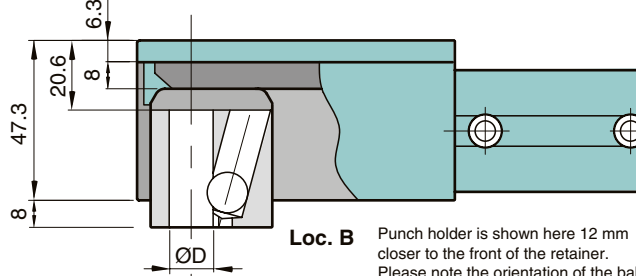
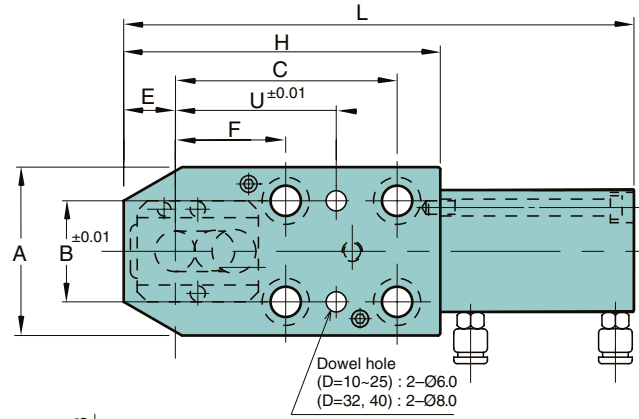


The BRAR Reversible Change Retainers come complete with all the necessary screws, dowels, the air cylinder, lead wires, the autoswitch, and the fittings.



# BRAR For Heavy Duty Punching

A change  
for the  
better!



The air cylinder can be removed and remounted 90° or 180° from the location shown.

Recommended air pressure:  
4.6–5.3 kgf/cm<sup>2</sup> (65–75 PSI)

Minimum pressure:  
3.2 kgf/cm<sup>2</sup> (45 PSI)

Maximum pressure:  
10.2 kgf/cm<sup>2</sup> (145 PSI)

### HOW TO ORDER

Specify: Qty. Type D  
Example: 2 BRAR 25



| Type | Code | D    | L     | A  | B  | C      |        | E      |        | F      |        | H     | U      |        | Screw Size |
|------|------|------|-------|----|----|--------|--------|--------|--------|--------|--------|-------|--------|--------|------------|
|      |      |      |       |    |    | Loc. A | Loc. B | Loc. A | Loc. B | Loc. A | Loc. B |       | Loc. A | Loc. B |            |
| BRAR | 10   | 10.0 | 161   | 46 | 30 | —      | —      | 28     | 16     | 21     | 33     | 93.5  | 37     | 49     | M8         |
|      | 13   | 13.0 | 172.5 | 50 | 30 | —      | —      | 28     | 16     | 25     | 37     | 100   | 41     | 53     | M10        |
|      | 16   | 16.0 | 177   | 50 | 30 | —      | —      | 31     | 19     | 25     | 37     | 104.5 | 41     | 53     | M10        |
|      | 20   | 20.0 | 191.5 | 58 | 38 | —      | —      | 32.5   | 20.5   | 29     | 41     | 113.5 | 45     | 57     | M10        |
|      | 25   | 25.0 | 206.5 | 58 | 38 | —      | —      | 35     | 23     | 29     | 41     | 123.5 | 45     | 57     | M10        |
|      | 32   | 32.0 | 260   | 80 | 56 | 100    | 112    | 38     | 26     | 38     | 50     | 152   | 60     | 72     | M12        |
|      | 40   | 40.0 | 264   | 80 | 56 | 100    | 112    | 42     | 30     | 38     | 50     | 156   | 60     | 72     | M12        |

BRAR Reversible Change Retainers conform to NAAMS™ standard for Ball Lock Punch Change Retainers.

\* FDS schedule applies to all products shipped in the U.S. For International schedules, contact your Dayton Representative.

DAYTON PROGRESS CORPORATION • 500 Progress Road • P.O. Box 39 • Dayton, OH 45449-0039 • USA  
Telephone: 937-859-5111 • Fax: 937-859-5353 • www.daytonprogress.com

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