Precision Layout Tools

SCRIBE LAYOUT LINES AND PUNCH HOLE CENTERS ACCURATELY

You can SCRIBE REFERENCE LINES for metalworking layout within .001 inch accuracy. The machined aluminum SCRIBE-RITE LAYOUT TOOL is easy to operate. The Layout Tool has a removable OPTICAL CENTERING GAUGE with a plastic optical column. It is ground and polished to a 6 power magnification without distortion or parallax. The Optical Centering Gauge collects and concentrates room light to the surface to be viewed, avoiding use of an accessory light. Crosshairs in the viewer provide precise location of any reference point. The scribing edge of the Layout Tool is aligned with the crosshairs of the vertical Optical Centering Gauge. UNITED’s Scribe-Rite Layout Tool has two holes. Two Optical Centering Gauges may be used to pick up the original line and simultaneously extend it to the previous line.

UNITED’s 3-STEMS To Use the OPTICAL CENTERING GAUGE

1. Place the Center-Rite body over the crossed lines on your layout, and insert the Centering Gauge in the hole of the Center-Rite body.

2. Look into the Centering Gauge and move the unit until the crosshairs line up with your layout’s crossed lines. A magnetic action provides resistance to slipping and locks the unit in place when center is located.

3. Remove the Optical Centering Gauge and insert the Precision Center Punch, tapping lightly with a hammer. The walls of the hole in the unit hold the punch in a straight perpendicular position to insure an accurate straight punch directly on center.

UNITED’s STEPS To USE TWO (2) CENTERING GAUGES

When it is necessary to accurately extend a straight line, two centering gauges may be used to precisely line up on the original line and extend it without deviation. The lower centering gauge is used to pick up the previously scribed line. Using the top centering gauge, the rule can be reset to a previous reference point, so the layout may be inspected or re-worked.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>UDB-350500</td>
<td>Optical Centering Gauge with Crosshairs, Only</td>
</tr>
<tr>
<td>UDB-350100</td>
<td>Scribe-Rite Layout Tool, Only</td>
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<tr>
<td>UDB-350150</td>
<td>Scribe-Rite Tool, 1 Optical Centering Gauge</td>
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<tr>
<td>UDB-350200</td>
<td>Scribe-Rite Tool, 2 Optical Centering Gauges</td>
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<tr>
<td>UDB-350250</td>
<td>Center-Rite Body Unit, Only</td>
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<tr>
<td>UDB-350300</td>
<td>Precision Center Punch</td>
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<tr>
<td>UDB-350350</td>
<td>Center-Rite Body Unit, Centering Gauge &amp; Punch</td>
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</tbody>
</table>

Complete Center-Rite Kits consist of:
1 Center-Rite Body Unit
1 Optical Centering Gauge
1 Precision Center Punch.

Complete Scribe-Rite Sets consist of:
1 Scribe-Rite Layout Tool
1 or 2 Optical Centering Gauges

Items may be purchased separately.
TEAM UNITED Serves as Your Tool Makers' Tool Maker!

F-4 F-15 CONTOUR DRILL BAR

LOCKHEED-GELAC DRILL/REAM BAR

NORTHROP DRILL BAR

LOCK SCREW LOCATOR DRILL BAR

F-4 F-15 CONTOUR DRILL BAR

LOCKHEED-GELAC DRILL/REAM FIXTURE

F-15 F-18 SWIVEL FIXTURE

GELAC DRILL/REAM BAR

UNITED Means Precision in Tooling!
Send Us Your Ideas, Specs, Sketches, Photos or Prints.

Your Drill Bars & Blocks By UNITED

GELAC DRILL BLOCK

F-4  F-15 DRILL BAR

BOEING MCAIR DRILL BAR

LOCKHEED SIDE BLOCK

BOEING SEATTLE HAND DRILL ALIGNMENT FIXTURE

BOEING COMMERCIAL DRILL BR

GELAC DRILL/REAM BAR
**Versatile Drill Blocks**

**All-Purpose Drill Blocks**

Use temporary fasteners, fixture clamps or C clamps to hold.

**ALUMINUM ALL PURPOSE DRILL BLOCKS**

Ask and UNITED will provide the sizes you require in these blocks!

**ALUMINUM BLOCKS**

Aluminum Blocks are square to work piece.

Drill Bushings are all 1/2" long allowing chip relief between block and work piece.

Blocks are all 3/4" high and polished.

Face of blocks are all 1" wide except UDB-753474, which is 5/8" wide.

All bushings are located central and spaced 5/8."

Bushings are held to ANSI Tolerances up to 1/4" +.0001 +.0004 over 1/4 +.0001 +.0005 after pressing.

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**UNITED Means Precision in Tooling!**