

# Work Holding Products

## Uni-Fixtures



TRIANGLES,  
BASE Pg E7



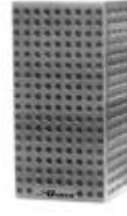
OCTAGONALS,  
BASE Pg E7



HEXAGONALS,  
BASE Pg E7



T-SLOT BLOCKS,  
BASE Pg E4



CUBES, TAPPED  
HOLES Pg E6



QUADRUPLES,  
BASE Pg E7



WINDOW FRAMES,  
BASE Pg E8



T-FIXTURES  
Pg E8



ROUND RISER  
BLOCKS Pg E10



SQUARE RISER  
BLOCKS Pg E11



SUB-PLATES  
Pg E12



VERTICAL ANGLE  
PLATES Pg E9



SWING ARM DRILL  
PLATES Pg E20



PLATFORM HINGES Pg E21



SWIVEL  
CONTACT  
BOLTS Pg E30



DRILL PLATE HINGES Pg E20



ATTACH ASSY Pg E15



SUPPORT ANGLES Pg E14



FIXTURE  
KEYS Pg E22



RADIUS TIPS  
Pg E29



V-SHAPE TIPS  
Pg E29



CONICAL TIPS  
Pg E29



REST PADS  
Pg E30



HOOK  
CLAMPS  
Pg E32



STEP FIXTURE  
KEYS Pg E24



PRECISION ANGLES  
Pg E17



LOCATING  
KEYS Pg E25



DOUBLE END  
JIG FEET Pg E27



MILL FIXTURE  
KEYS Pg E23



REMOVABLE  
CLAMP  
ASSEMBLY  
Pg E35








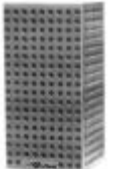


















MINI CAM ACTION EDGE CLAMPS Pg E26



ADJ. 5-LEVEL CLAMPS Pg E34



LOW PROFILE SUPPORT CLAMPS Pg E28

|   |  |   |  |   |
|---|--|---|--|---|
| <b>UCC-TBP PLAIN No Holes</b><br><br>TYPE I<br>PAGE E4 | <b>UCC-TBQ QUALIFIED HOLES</b><br><br>PAGE E4 | <b>UCC-TBTS T-SLOTS</b><br><br>PAGE E4 | <b>UCC-TBT TAPPED HOLES</b><br><br>PAGE E4 | <b>UCC-TBS</b><br>ANY SPECIAL COMBINATION OR CONFIGURATION OF TYPE I TOOLING BLOCKS WITH BASE |
| <b>UCC-TCP</b><br><br>II<br>PAGE E6                    | <b>UCC-TCQ</b><br><br>PAGE E6                 | <b>UCC-TCTS</b><br><br>PAGE E6         | <b>UCC-TCT</b><br><br>PAGE E6              | <b>UCC-TCS</b><br>ANY SPECIAL COMBINATION OR CONFIGURATION OF TYPE II TOOLING CUBES NO BASE   |
| <b>UCC-TTP</b><br><br>III<br>PAGE E7                   | <b>UCC-TTQ</b><br><br>PAGE E7                 | <b>UCC-TTTS</b><br><br>PAGE E7         | <b>UCC-TTT</b><br><br>PAGE E7             | <b>UCC-TTS</b><br>ANY SPECIAL COMBINATION OR CONFIGURATION OF TYPE III TRIANGLES WITH BASE    |
| <b>UCC-TQP</b><br><br>IV<br>PAGE E7                    | <b>UCC-TQQ</b><br><br>PAGE E7                 | <b>UCC-TQTS</b><br><br>PAGE E7         | <b>UCC-TQT</b><br><br>PAGE E7              | <b>UCC-TQS</b><br>ANY SPECIAL COMBINATION OR CONFIGURATION OF TYPE IV QUADRUPLES WITH BASE    |
| <b>UCC-THP</b><br><br>V<br>PAGE E7                   | <b>UCC-THQ</b><br><br>PAGE E7               | <b>UCC-THTS</b><br><br>PAGE E7       | <b>UCC-THT</b><br><br>PAGE E7            | <b>UCC-THS</b><br>ANY SPECIAL COMBINATION OR CONFIGURATION OF TYPE V HEXAGONALS WITH BASE     |
| <b>UCC-TOP</b><br><br>VI<br>PAGE E7                  | <b>UCC-TOQ</b><br><br>PAGE E7               | <b>UCC-TOTS</b><br><br>PAGE E7       | <b>UCC-TOT</b><br><br>PAGE E7           | <b>UCC-TOS</b><br>ANY SPECIAL COMBINATION OR CONFIGURATION OF TYPE VI OCTAGONALS WITH BASE    |

UNITED specializes in providing the design and dimensions of UniFixtures, consistent with your specific machine center. Approval drawings are supplied before manufacturing. Every UniFixture is manufactured to those exact custom specifications. All UniFixtures and especially Tombstones® are available in standard type tolerances, Series II and loose tolerances, Series I. UniFixtures decrease tooling costs and increase productivity, quality and profitability.

## TOLERANCES

### PLAIN — NO HOLES

| UNITED PREFIX NO.<br>UCC-TxP | TOLERANCES |                   |
|------------------------------|------------|-------------------|
| A SIZE                       | STANDARD   | LOOSE             |
| ±.002                        | +0.010     | -.000 OR OVERSIZE |
| ✓ FINISH                     | 63 RMS     | 125 RMS           |
| ⊥ PERPENDICULAR-             | .001/FT.   | .002/FT.          |

### QUALIFIED HOLES BORED AND TAPPED

| UNITED PREFIX NO.<br>UCC-TxQ                          | TOLERANCES |   |
|---|------------|---|
| H <sub>1</sub> - H <sub>2</sub> HOLE to Adjacent Hole | STANDARD   | LOOSE   |
| H HOLE to Any Hole on Grid                            | ±.0005     | Holes Available in Conventional Tolerances Only |
| BS BORE Size Location from Datum                      | ±.0005     |   |
|   | ±.002      |   |

