C12L15 STEEL — HEAT TREATED WITH BLACK OXIDE FINISH.

KNURLED LOCK NUTS
Quick thread locking on jigs and fixtures. 1/4" detents permit additional tightening with 1/4" pin.

COUPLING NUTS
Makes unlimited stud length combinations available. Heat treated black oxide finish.

FLANGE NUTS
Large bearing area assures full surface contact. Available in National Coarse and National Fine Threads. See Section G for Stainless.

SPHERICAL FLANGE NUTS
Used with Spherical Washers shown in this Section. Spherical Nuts and Washers assure alignment and balanced thread loads.
Check and Swivel Flange Nuts

UNITED's Nuts!

UNITED’s Nuts!

11 - 5 - 01

Get More for Less at Sections F and G.

Spherical Nuts are used with the spherical washers shown in National Coarse or National Fine threads. Swivel Nuts do not mar surface.

12200 WOODRUFF AVE. • DOWNEY, CA 90241-5608  • TELEPHONE (562) 803-1521 / (800) 421-3466 IN CA / (800) 486-3466  • FAX (562) 803-6898 / (800) 486-3465

UNITED

EMAIL united@ucc-udb.com  WEBSITE www.ucc-udb.com

HEAVY DUTY

Outlasts competitive standard nuts! Precision machined and heat treated.

Used as lock nuts and in other light duty applications. Heat treated black oxide finish.

The large bearing area of UNITED Flange Nuts insures full surface contact. Available with National Coarse or National Fine threads. Swivel Nuts do not mar surface.

Spherical Nuts are used with the spherical washers shown in Sections F and G. UNITED’s Spherical Nut and Washer Sets assure alignment and balanced thread loads.

Hex, Jam, Check and Swivel Flange Nuts

HEX NUT  A  B  C
-  1/4-20  1/4  1/2
-  5/16-18  5/16  9/16
-  3/8-16  3/8  11/16
-  1/2-13  1/2  7/8
-  5/8-11  5/8  1-1/16
-  3/4-10  3/4  1-1/4
-  7/8-9  7/8  1-7/16
-  1-8  1  1-5/8

HEX JAM NUT  A  B  C
-  1/4-20  11/64  1/2
-  5/16-18  13/64  9/16
-  3/8-16  15/64  11/16
-  1/2-13  19/64  7/8
-  5/8-11  23/64  1-1/16
-  3/4-10  27/64  1-1/4
-  7/8-9  31/64  1-7/16
-  1-8  35/64  1-5/8

ALLOY STEEL  Provided with all Torque Toggle Head Screws.

CHECK NUT  A  THD  B  DIA.  C  DIA.  D
-  #10-24  3/4  7/16  3/16
-  #12-27  3/4  7/16  3/16
-  1/4-20  3/4  1/2  7/32
-  5/16-18  3/4  1/2  1/4
-  3/8-16  3/4  1/2  1/4
-  7/16-12  3/4  1/2  1/4
-  1/2-13  1  3/4  7/16
-  5/8-11  1  3/4  7/16

BLACK OXIDE FINISH

Used in essential tool room applications. Provided with toggle head screws. Black oxide finish. A wide variety of applications.

SWIVEL FLANGE NUTS

COARSE THD

UNITED NO.  A  FINE THD
-  1/4-20  UDB-925200SN  1/4-28
-  5/16-18  UDB-925220SN  5/16-24
-  3/8-16  UDB-925210SN  3/8-24
-  1/2-13  UDB-925215SN  1/2-20
-  5/8-11  UDB-925222SN  5/8-18
-  3/4-10  UDB-925225SN  3/4-16
-  7/8-9  UDB-925230SN  7/8-14
-  1-8  UDB-925235SN  1-14
-  1-7/16  UDB-925240SN  1-3/8
-  1-1/4  UDB-925245SN  1-1/4

STANDARD SPHERICAL FLANGE NUT and SPHERICAL WASHER SETS

Black Oxide Case Hardened

1-13/16  1-1/16  13/16  1/2
Modular T-Slot Bars
Expand, Relocate, Change, Reposition Your T-Slot Tables or Convert Plates to T-Slot Modules

- T-Slot Bars provide maximum positions for your table slots.
- Double deck your table, grid plates or Tombstone fixtures.
- Strong modular design allows use as tooling construction elements.

Set-Ups are quick and simple!
UNITED T-Slot Bars can be used vertically and on all T-Slot tables.
Position clamps and workpiece on or beyond the machine table.
Bars are precisely ground to ± 0.0005" so they may be used as parallels.

- Protect table surfaces
- Position clamps at an angle to table
- Extend machine table
- Use as work stops
- Add T-Slot to grid plate
- Extend machining flexibility
- Holds non-ferrous parts on magnetic chucks
- Allows large or long work
- Holds multiple parts
- Workpiece positioned at angle
- Clamps positioned anywhere
- Locate work piece with stops

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<th>LENGTH</th>
<th>A</th>
<th>B</th>
<th>C FIT T-SLOT SPACING</th>
<th>THD HOLES 5/16-18</th>
<th>HOLES ON TOP</th>
<th>HOLES ON SIDE</th>
<th>HOLES ON END</th>
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HEAT TREATED HIGH GRADE ALLOY STEEL of 130,000 PSI MINIMUM YIELD STRENGTH, and 150,000 PSI MINIMUM TENSILE STRENGTH. CONFORMS TO VIC SPECIFICATIONS. BLACK OXIDE FINISH.

FOR HIGH CLAMPING STRENGTH FOR MATING T-SLOT NUTS, SEE PAGE F36.

EYE BOLTS FOR NATIONAL ACME MACHINES

DO NOT GRIND OR MACHINE OR UNDERCUT EYEBOLT SPINDLE.
IF DAMAGED, REPLACE EYEBOLT IMMEDIATELY.

QUALITY STEEL
DROP FORGED
HEAT TREATED FOR MAXIMUM STRENGTH
National ACME
Slide Slot T Nuts

ACME CROSS SLIDE T–NUTS

UNITED TOOLING

ACME TOOL SLIDE T–NUTS

UNITED

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<th>B HOLE CENTRAL</th>
<th>C T-TABLE SLOT HT.</th>
<th>D SHOULDER HEIGHT</th>
<th>E TABLE SLOT</th>
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F36 Is Your Business Tightening Up? Then Try UNITED!

4-30-00