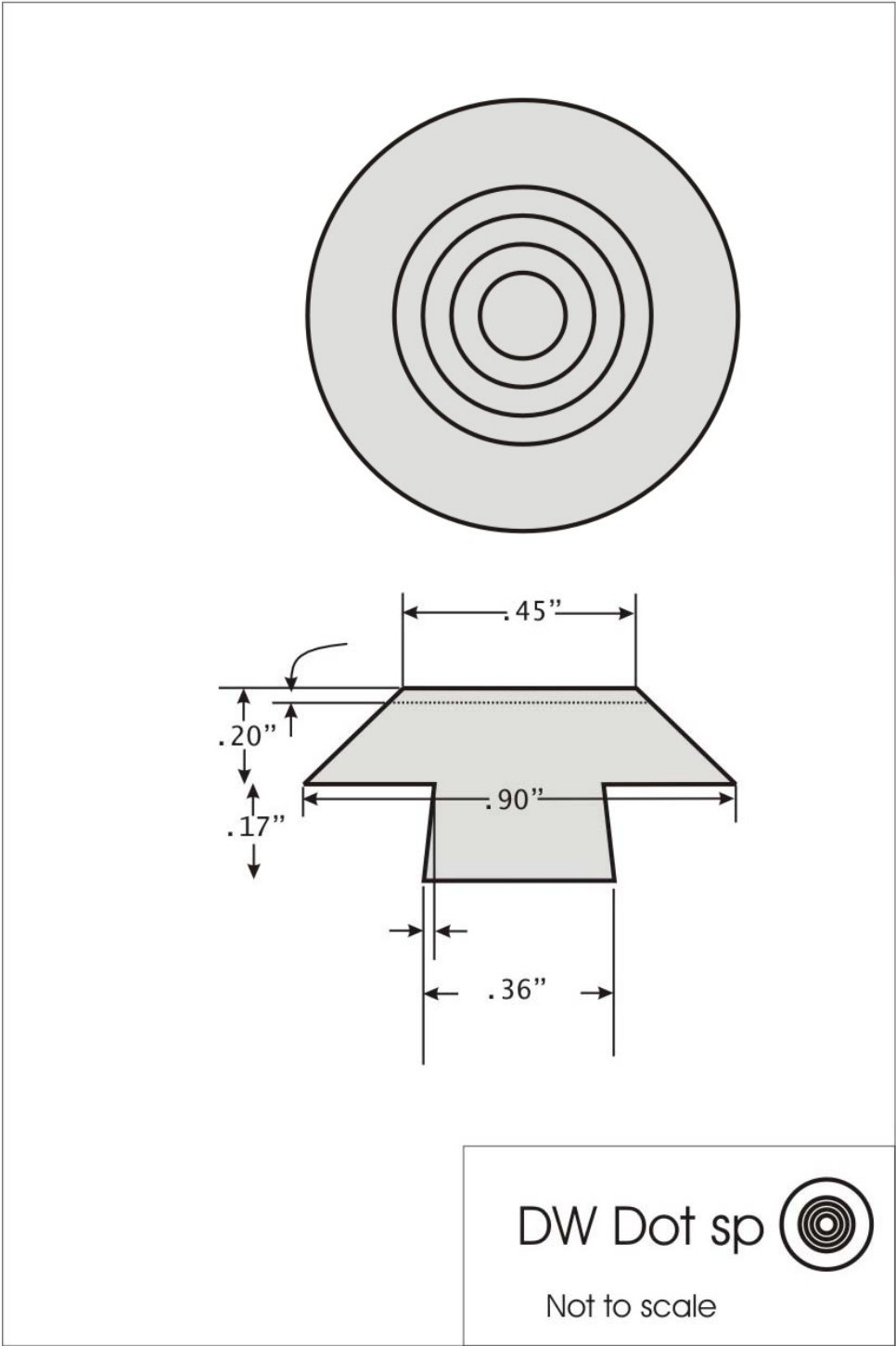


# *DW Dots specifications*



## Aluminum Bar - Extruded

6061-T6511

### Description

Generally selected where welding or brazing is required, or for its particularly high corrosion resistance in all tempers. Formability is excellent in O temper, good in T4. Machining is more difficult than with other machining alloys; it is particularly gummy in O condition, fair in hard tempers.

Corrosion resistance and appearance after anodizing are highest of screw machine alloys, though properties are generally lower.

### Typical Applications

Railway car components

Bridge components

Pipe fittings

Wheels

Various transportation end uses

### Chemical Composition

Silicon: 0.40 - 0.8

Iron: 0.7

Copper: 0.15 - 0.40

Manganese: 0.15

Magnesium: 0.8 - 1.2

Chromium: 0.04 - 0.35

Zinc: 0.25

Titanium: 0.15

Aluminum: Remainder

## Stainless Steel Bars

### T303

#### Description

Type 303 is a free-machining variation of T304. The addition of sulfur for better machinability makes this a favorite for use in automatic screw machines. Corrosion resistant to atmospheric exposures, as well as a wide range of chemicals; most dyes, foods and nitric acid.

#### Typical Applications

Bolts

Bushings

Nuts

Shafts

Parts produced on automatic screw machines

#### Chemical Composition

Chrome: 17.0 - 19.0

Nickel: 8.0 - 10.0

Carbon: .15 max.

Manganese: 2.00 max.

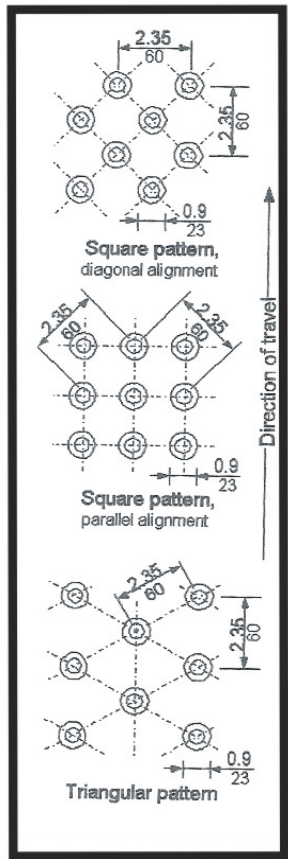
Silicon: 1.00 max.

Molybdenum: .60 max.

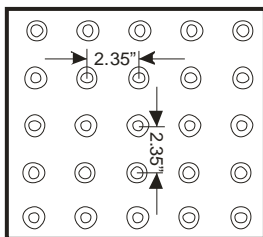
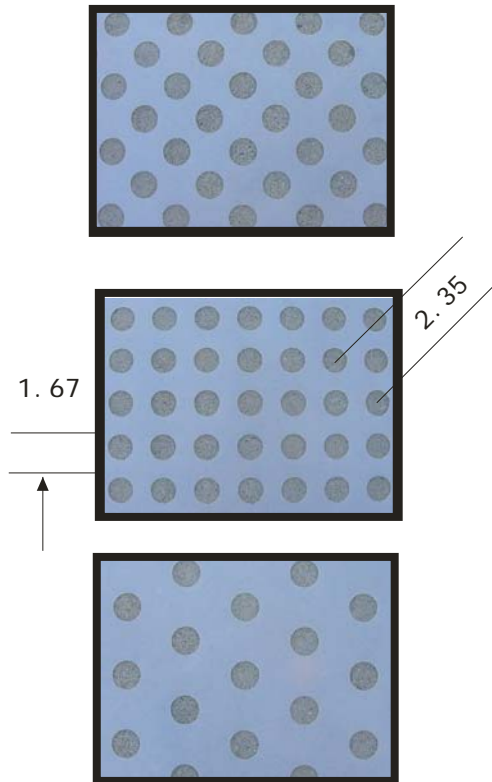
Sulfur: .15 min.

# DW Dots Standard spacing

FEDERAL  
spacing  
requirements



DW Dot  
corresponding  
Layout mats



CUSTOM LAYOUT  
AVAILABLE