

IMPERIAL DIMENSIONS

METRIC DIMENSIONS

| PART NO   | NOMINAL GRIP RANGE | A DIA |       | B DIA |      | D DIA |      | E DIA |      | M DIA |       | N DIA |       | RECOMMENDED HOLE SIZE | TYPICAL STRENGTH (LBS) | TYPICAL STRENGTH (N) | RECOMMENDED HOLE SIZE |
|-----------|--------------------|-------|-------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-----------------------|------------------------|----------------------|-----------------------|
|           |                    | MAX   | MIN   | MAX   | MIN  | MAX   | MIN  | MAX   | MIN  | MAX   | MIN   | MAX   | MIN   |                       |                        |                      |                       |
| 1661-0418 | 1/32-3/16          |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0412 | 3/64-1/4           |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0414 | 5/32-5/16          | .1258 | .1265 | .262  | .243 | .0630 | .054 | .0630 | .054 | .0630 | .0630 | .054  | .0630 |                       | 165                    | 735                  | 3.25-3.38             |
| 1661-0416 | 7/32-3/8           |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0408 | .02-1/8            |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0518 | 1/32-3/16          |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0512 | 3/64-1/4           | .1568 | .1580 | .302  | .282 | .0630 | .044 | .0630 | .044 | .0630 | .0630 | .044  | .0630 |                       | 165                    | 735                  | 4.09-4.22             |
| 1661-0516 | 5/32-3/8           |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0521 | 1/4-1/2            |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0513 | 1/16-1/4           |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0519 | 3/16-7/16          |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0521 | 3/16-1/2           | .1918 | .1855 | .372  | .372 | .1115 |      | .1115 |      | .1115 |       |       |       | 165                   | 735                    |                      |                       |
| 1661-0531 | 1/2-25/32          |       |       |       |      |       |      |       |      |       |       |       |       |                       | 165                    | 735                  |                       |
| 1661-0507 | 1/32-11/64         | .1180 | .1145 | .262  | .243 | .0630 | .034 | .0630 | .034 | .0630 | .0630 | .034  | .0630 |                       | 165                    | 735                  | 3.30-3.10 max         |

MATERIAL

9007: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9008: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9009: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9010: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9011: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9012: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9013: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9014: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9015: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9016: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9017: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9018: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9019: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9020: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9021: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9022: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9023: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9024: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9025: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9026: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

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 WERKSTOFF 3.3523

9031: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
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 WERKSTOFF 3.3523

9032: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9033: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9034: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9035: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9036: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
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9037: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
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9038: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
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9039: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
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 WERKSTOFF 3.3523

9040: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
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9041: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9042: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9043: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9044: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
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 WERKSTOFF 3.3523

9045: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
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 WERKSTOFF 3.3523

9046: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9047: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

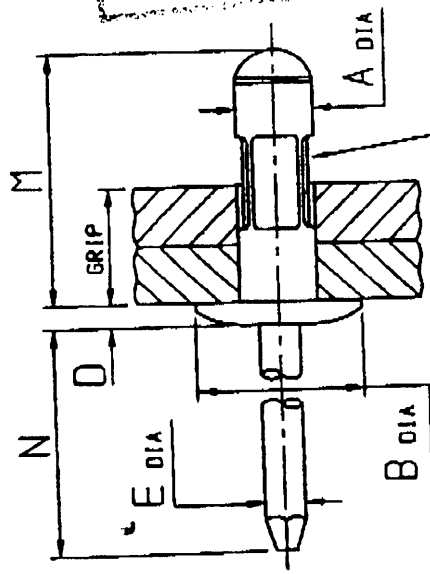
9048: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9049: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

9050: ALUMINIUM 2.5% MAGNESIUM ALLOY 5052  
 D1N 1725 A1 Rg 2.5  
 WERKSTOFF 3.3523

NOTES

1. 'AVEX' IS A REGISTERED TRADEMARK OF AVDEL TEXTRON LIMITED
2. TO INSTALL AVDEL FASTENERS USE OF AVDEL SPECIFIED INSTALLATION TOOLING IS RECOMMENDED (SEE APPROPRIATE BROCHURE)
3. AVDEL FASTENERS ARE READY FOR USE AS SUPPLIED AND SHALL NOT BE REPROCESSED OR DEGREASED PRIOR TO INSTALLATION AS THIS MAY AFFECT PERFORMANCE
4. RIVETS FOR USE WITH AUTOMATIC FEED MACHINES (99 AVNATIC) ARE CODED 1661-1000 (5th DIGIT=1)
5. THE MAXIMUM HEAD THICKNESS 'D' AFTER INSTALLATION IS .010 (0.25) LESS THAN THE VALUE STATED IN THE COLUMN 'D' MAX



BODY CRIMPED  
 CRIMPING FLASH IS PERMISSIBLE  
 CRIMP POSITION MAY VARY  
 ACCORDING TO RIVET DIA AND LENGTH

PART DESCRIPTION: LOW PROFILE HEAD ALUMINIUM ALLOY 2.5% Mg (ZINC COATED STEM)

CHECKED BY: D. HALLS ORIGINAL SHEET SIZE: A3

DRAWN: R. D'NEILL DATE: 28/02/91 ISSUE: H2 C.N.: 96/360 97/161

DESCRIPTION: AVEX RIVETS

SCALE: NTS SHEET 1 OF 1 SHEETS [ISSUE 12]

DRAWING NUMBER: 1661 S

AVDEL TEXTRON  
 WELFARE GARDEN CITY, HERTFORDSHIRE, ENGLAND

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