

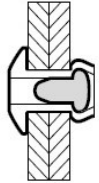
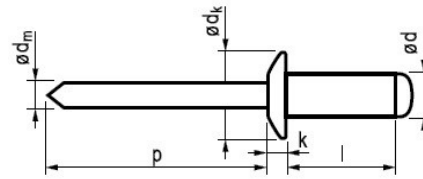
**1031 Dome head Al-ST rivet (AST), blind rivet, pop rivet**

DIN: 7337A

DIN EN ISO: 15977

Rivet body: Aluminum (AlMg2,5/3,5)

Mandrel: Steel, RoHS surface treatment



| Ød<br>Drill hole<br>mm        | l: length<br>(mm)<br>+1/-0,2 | Grip range<br>mm | Part no.  | Ødk<br>mm        | k<br>mm              | Ødm<br>mm | p<br>mm | Tensile<br>Newton | Shear<br>Newton | Description                              |
|-------------------------------|------------------------------|------------------|-----------|------------------|----------------------|-----------|---------|-------------------|-----------------|------------------------------------------|
| 2,4<br>[+0,08/-0,10]<br>Ø 2,5 | 4,0                          | ~2,0             | 1031-2404 | 5,0<br>[+0/-0,7] | 0,7<br>[+/-<br>0,15] | ~1,45     | ≥27     | 355               | 315             | 2,4'4 Dome head Al/St (AST) rivet        |
|                               | 6,0                          | 2,0-4,0          | 1031-2406 |                  |                      |           |         |                   |                 | 2,4'6 Dome head Al/St (AST) pop rivet    |
|                               | 8,0                          | 4,0-6,0          | 1031-2408 |                  |                      |           |         |                   |                 | 2,4'8 Dome head Al/St (AST) blind rivet  |
|                               | 10,0                         | 6,0-8,0          | 1031-2410 |                  |                      |           |         |                   |                 | 2,4'10 Dome head Aluminum/Steel rivet    |
| 3,0<br>[+0,08/-0,10]<br>Ø 3,1 | 4,0                          | ~1,5             | 1031-3004 | 6,5<br>[+0/-0,7] | 0,8<br>[+/- 0,2]     | ~1,75     | ≥27     | 810               | 620             | 3,0'4 Dome head Al/St (AST) rivet        |
|                               | 6,0                          | 1,5-3,5          | 1031-3006 |                  |                      |           |         |                   |                 | 3,0'6 Dome head Al/St (AST) pop rivet    |
|                               | 8,0                          | 3,5-5,5          | 1031-3008 |                  |                      |           |         |                   |                 | 3,0'8 Dome head Al/St (AST) blind rivet  |
|                               | 10,0                         | 5,5-7,5          | 1031-3010 |                  |                      |           |         |                   |                 | 3,0'10 Dome head Aluminum/Steel rivet    |
|                               | 12,0                         | 7,5-9,5          | 1031-3012 |                  |                      |           |         |                   |                 | 3,0'12 Dome head Al/St (AST) rivet       |
|                               | 14,0                         | 9,5-11,5         | 1031-3014 |                  |                      |           |         |                   |                 | 3,0'14 Dome head Al/St (AST) pop rivet   |
|                               | 16,0                         | 11,5-13,5        | 1031-3016 |                  |                      |           |         |                   |                 | 3,0'16 Dome head Al/St (AST) blind rivet |
| 3,2<br>[+0,08/-0,10]<br>Ø 3,3 | 4,0                          | ~1,5             | 1031-3204 | 6,5<br>[+0/-0,7] | 0,8<br>[+/- 0,2]     | ~1,75     | ≥27     | 980               | 760             | 3,2'4 Dome head Aluminum/Steel rivet     |
|                               | 6,0                          | 1,5-3,5          | 1031-3206 |                  |                      |           |         |                   |                 | 3,2'6 Dome head Al/St (AST) rivet        |
|                               | 8,0                          | 3,5-5,5          | 1031-3208 |                  |                      |           |         |                   |                 | 3,2'8 Dome head Al/St (AST) pop rivet    |
|                               | 10,0                         | 5,5-7,5          | 1031-3210 |                  |                      |           |         |                   |                 | 3,2'10 Dome head Al/St (AST) blind rivet |
|                               | 12,0                         | 7,5-9,5          | 1031-3212 |                  |                      |           |         |                   |                 | 3,2'12 Dome head Aluminum/Steel rivet    |
|                               | 14,0                         | 9,5-11,5         | 1031-3214 |                  |                      |           |         |                   |                 | 3,2'14 Dome head Al/St (AST) rivet       |
|                               | 16,0                         | 11,5-13,5        | 1031-3216 |                  |                      |           |         |                   |                 | 3,2'16 Dome head Al/St (AST) pop rivet   |
|                               | 18,0                         | 13,5-15,5        | 1031-3218 |                  |                      |           |         |                   |                 | 3,2'18 Dome head Al/St (AST) blind rivet |
| 4,0<br>[+0,08/-0,15]<br>Ø 4,1 | 20,0                         | 15,5-17,5        | 1031-3220 | 8,0<br>[+0/-1,0] | 1,0<br>[+/- 0,3]     | ~2,10     | ≥27     | 1600              | 1200            | 3,2'20 Dome head Aluminum/Steel rivet    |
|                               | 6,0                          | 1,5-3,0          | 1031-4006 |                  |                      |           |         |                   |                 | 4,0'6 Dome head Al/St (AST) rivet        |
|                               | 8,0                          | 3,0-5,0          | 1031-4008 |                  |                      |           |         |                   |                 | 4,0'8 Dome head Al/St (AST) pop rivet    |
|                               | 10,0                         | 5,0-6,5          | 1031-4010 |                  |                      |           |         |                   |                 | 4,0'10 Dome head Al/St (AST) blind rivet |
|                               | 12,0                         | 6,5-8,5          | 1031-4012 |                  |                      |           |         |                   |                 | 4,0'12 Dome head Aluminum/Steel rivet    |
|                               | 14,0                         | 8,5-10,5         | 1031-4014 |                  |                      |           |         |                   |                 | 4,0'14 Dome head Al/St (AST) rivet       |
|                               | 16,0                         | 10,5-12,5        | 1031-4016 |                  |                      |           |         |                   |                 | 4,0'16 Dome head Al/St (AST) pop rivet   |
|                               | 18,0                         | 12,5-14,5        | 1031-4018 |                  |                      |           |         |                   |                 | 4,0'18 Dome head Al/St (AST) blind rivet |
|                               | 20,0                         | 14,5-16,5        | 1031-4020 |                  |                      |           |         |                   |                 | 4,0'20 Dome head Aluminum/Steel rivet    |
| 4,8<br>[+0,08/-0,15]<br>Ø 4,9 | 23,0                         | 16,5-19,0        | 1031-4023 | 9,5<br>[+0/-1,0] | 1,1<br>[+/- 0,3]     | ~2,70     | ≥27     | 2 230             | 1690            | 4,0'23 Dome head Al/St (AST) rivet       |
|                               | 25,0                         | 19,0-21,5        | 1031-4025 |                  |                      |           |         |                   |                 | 4,0'25 Dome head Al/St (AST) pop rivet   |
|                               | 6,0                          | 1,0-3,0          | 1031-4806 |                  |                      |           |         |                   |                 | 4,8'6 Dome head Al/St (AST) blind rivet  |
|                               | 8,0                          | 3,0-4,5          | 1031-4808 |                  |                      |           |         |                   |                 | 4,8'8 Dome head Aluminum/Steel rivet     |
|                               | 10,0                         | 4,5-6,0          | 1031-4810 |                  |                      |           |         |                   |                 | 4,8'10 Dome head Al/St (AST) rivet       |
|                               | 12,0                         | 6,0-8,0          | 1031-4812 |                  |                      |           |         |                   |                 | 4,8'12 Dome head Al/St (AST) pop rivet   |
|                               | 14,0                         | 8,0-10,0         | 1031-4814 |                  |                      |           |         |                   |                 | 4,8'14 Dome head Al/St (AST) blind rivet |
|                               | 16,0                         | 10,0-12,0        | 1031-4816 |                  |                      |           |         |                   |                 | 4,8'16 Dome head Aluminum/Steel rivet    |
|                               | 18,0                         | 12,0-14,0        | 1031-4818 |                  |                      |           |         |                   |                 | 4,8'18 Dome head Al/St (AST) rivet       |
|                               | 20,0                         | 14,0-16,0        | 1031-4820 |                  |                      |           |         |                   |                 | 4,8'20 Dome head Al/St (AST) pop rivet   |
|                               | 22,0                         | 16,0-18,0        | 1031-4822 |                  |                      |           |         |                   |                 | 4,8'22 Dome head Al/St (AST) blind rivet |
|                               | 25,0                         | 18,0-21,0        | 1031-4825 |                  |                      |           |         |                   |                 | 4,8'25 Dome head Aluminum/Steel rivet    |
| 5,0<br>[+0,08/-0,15]<br>Ø 5,1 | 28,0                         | 21,0-23,5        | 1031-4828 | 9,5<br>[+0/-1,0] | 1,1<br>[+/- 0,3]     | ~2,70     | ≥27     | 2 500             | 2 000           | 4,8'28 Dome head Al/St (AST) rivet       |
|                               | 30,0                         | 23,5-25,0        | 1031-4830 |                  |                      |           |         |                   |                 | 4,8'30 Dome head Al/St (AST) pop rivet   |
|                               | 35,0                         | 25,0-30,0        | 1031-4835 |                  |                      |           |         |                   |                 | 4,8'35 Dome head Al/St (AST) blind rivet |
|                               | 40,0                         | 30,0-35,0        | 1031-4840 |                  |                      |           |         |                   |                 | 4,8'40 Dome head Aluminum/Steel rivet    |
|                               | 6,0                          | 1,0-3,0          | 1031-5006 |                  |                      |           |         |                   |                 | 5,0'6 Dome head Al/St (AST) rivet        |
|                               | 8,0                          | 3,0-4,5          | 1031-5008 |                  |                      |           |         |                   |                 | 5,0'8 Dome head Al/St (AST) pop rivet    |
|                               | 10,0                         | 4,5-6,0          | 1031-5010 |                  |                      |           |         |                   |                 | 5,0'10 Dome head Al/St (AST) blind rivet |
|                               | 12,0                         | 6,0-8,0          | 1031-5012 |                  |                      |           |         |                   |                 | 5,0'12 Dome head Aluminum/Steel rivet    |
|                               | 14,0                         | 8,0-10,0         | 1031-5014 |                  |                      |           |         |                   |                 | 5,0'14 Dome head Al/St (AST) rivet       |
|                               | 16,0                         | 10,0-12,0        | 1031-5016 |                  |                      |           |         |                   |                 | 5,0'16 Dome head Al/St (AST) pop rivet   |
|                               | 18,0                         | 12,0-14,0        | 1031-5018 |                  |                      |           |         |                   |                 | 5,0'18 Dome head Al/St (AST) blind rivet |
|                               | 21,0                         | 14,0-17,0        | 1031-5021 |                  |                      |           |         |                   |                 | 5,0'21 Dome head Aluminum/Steel rivet    |
|                               | 25,0                         | 17,0-20,0        | 1031-5025 | 9,5<br>[+0/-1,0] | 1,1<br>[+/- 0,3]     | ~2,70     | ≥27     | 2 500             | 2 000           | 5,0'25 Dome head Al/St (AST) rivet       |
|                               | 27,0                         | 20,0-23,0        | 1031-5027 |                  |                      |           |         |                   |                 | 5,0'27 Dome head Al/St (AST) pop rivet   |
|                               | 30,0                         | 23,0-25,0        | 1031-5030 |                  |                      |           |         |                   |                 | 5,0'30 Dome head Al/St (AST) blind rivet |
|                               | 35,0                         | 25,0-30,0        | 1031-5035 |                  |                      |           |         |                   |                 | 5,0'35 Dome head Aluminum/Steel rivet    |
|                               | 40,0                         | 30,0-35,0        | 1031-5040 |                  |                      |           |         |                   |                 | 5,0'40 Dome head Al/St (AST) rivet       |

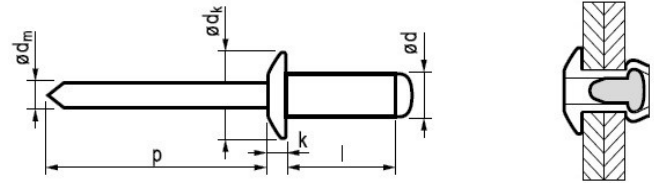
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DIN: 7337A

DIN EN ISO: 15977

Rivet body: Aluminum (AlMg2,5/3,5)

Mandrel: Steel, RoHS surface treatment



| $\phi d$<br>* Drill hole<br>mm | l: length<br>(mm)<br>+1/-0,2 | Grip range<br>mm | Part no.  | $\phi d_k$<br>mm  | k<br>mm          | $\phi d_m$<br>mm | p<br>mm | Tensile<br>Newton | Shear<br>Newton | Description                              |
|--------------------------------|------------------------------|------------------|-----------|-------------------|------------------|------------------|---------|-------------------|-----------------|------------------------------------------|
| 6,0<br>[+0,08/-0,15]<br>Ø 6,1  | 8,0                          | 2,0-4,0          | 1031-6008 | 12,0<br>[+0/-1,5] | 1,5<br>[+/- 0,4] | ~3,60            | ≥31     | 3 900             | 3 000           | 6,0*8 Dome head Al/St (AST) pop rivet    |
|                                | 10,0                         | 4,0-6,0          | 1031-6010 |                   |                  |                  |         |                   |                 | 6,0*10 Dome head Al/St (AST) blind rivet |
|                                | 12,0                         | 6,0-8,0          | 1031-6012 |                   |                  |                  |         |                   |                 | 6,0*12 Dome head Aluminum/Steel rivet    |
|                                | 14,0                         | 7,0-9,0          | 1031-6014 |                   |                  |                  |         |                   |                 | 6,0*14 Dome head Al/St (AST) rivet       |
|                                | 16,0                         | 9,0-11,0         | 1031-6016 |                   |                  |                  |         |                   |                 | 6,0*16 Dome head Al/St (AST) pop rivet   |
|                                | 18,0                         | 11,0-13,0        | 1031-6018 |                   |                  |                  |         |                   |                 | 6,0*18 Dome head Al/St (AST) blind rivet |
|                                | 22,0                         | 13,0-17,0        | 1031-6022 |                   |                  |                  |         |                   |                 | 6,0*22 Dome head Aluminum/Steel rivet    |
|                                | 26,0                         | 17,0-20,0        | 1031-6026 |                   |                  |                  |         |                   |                 | 6,0*26 Dome head Al/St (AST) rivet       |
|                                | 30,0                         | 20,0-24,0        | 1031-6030 |                   |                  |                  |         |                   |                 | 6,0*30 Dome head Al/St (AST) pop rivet   |
| 6,4<br>[+0,08/-0,15]<br>Ø 6,5  | 10,0                         | 0,0-2,5          | 1031-6410 | 13,0<br>[+0/-1,5] | 1,8<br>[+/- 0,4] | ~3,85            | ≥31     | 4 090             | 3 120           | 6,4*10 Dome head Al/St (AST) blind rivet |
|                                | 12,0                         | 4,0-6,0          | 1031-6412 |                   |                  |                  |         |                   |                 | 6,4*12 Dome head Aluminum/Steel rivet    |
|                                | 15,0                         | 6,0-9,0          | 1031-6415 |                   |                  |                  |         |                   |                 | 6,4*15 Dome head Al/St (AST) rivet       |
|                                | 18,0                         | 9,0-13,0         | 1031-6418 |                   |                  |                  |         |                   |                 | 6,4*18 Dome head Al/St (AST) pop rivet   |
|                                | 22,0                         | 13,0-16,0        | 1031-6422 |                   |                  |                  |         |                   |                 | 6,4*22 Dome head Al/St (AST) blind rivet |
|                                | 26,0                         | 16,0-20,0        | 1031-6426 |                   |                  |                  |         |                   |                 | 6,4*26 Dome head Aluminum/Steel rivet    |
|                                | 30,0                         | 18,0-24,0        | 1031-6430 |                   |                  |                  |         |                   |                 | 6,4*30 Dome head Al/St (AST) rivet       |

**Technical specifications:**

- after riveting the stem/mandrel of rivet is not fixed in the rivet body necessarily