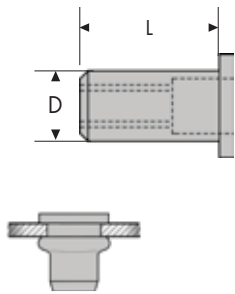









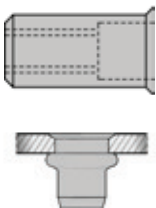
BLIND RIVET NUTS ALU Material: AlMg 3






Standard Dome head



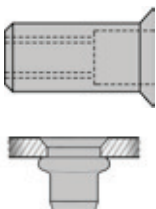
| D | D x L mm |  mm | No. |  |
|----------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|
| M 4  6.1 mm | 6 x 11.0 | 0.25 - 3.0 | 143 3676 | A 500 |
| | 6 x 13.0 | 2.5 - 4.5 | 143 3677 | " |
| M 5  7.1 mm | 7 x 11.5 | 0.25 - 3.0 | 143 3678 | A 500 |
| | 7 x 13.5 | 2.5 - 5.0 | 143 3679 | " |
| M 6  9.1 mm | 9 x 15.5 | 0.25 - 3.5 | 143 3680 | A 250 |
| | 9 x 18.0 | 3.0 - 5.5 | 143 3681 | " |
| M 8  11.1 mm | 11 x 17.0 | 0.25 - 3.5 | 143 3682 | A 100 |
| | 11 x 20.0 | 3.0 - 6.0 | 143 3683 | " |
| M 10  12.1 mm | 12 x 17.5 | 0.25 - 3.5 | 143 3684 | A 100 |
| | 12 x 20.5 | 3.0 - 6.0 | 145 5345 | " |








Small head



| D | D x L mm |  mm | No. |  |
|----------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|
| M 4  6.1 mm | 6 x 12.0 | 0.5 - 3.0 | 143 3685 | A 500 |
| M 5  7.1 mm | 7 x 12.5 | 0.5 - 3.0 | 143 3686 | A 500 |
| M 6  9.1 mm | 9 x 15.5 | 0.5 - 3.5 | 143 3687 | A 250 |

Countersunk (90°)



| D | D x L mm |  mm | No. |  |
|------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| M 4  6.1 mm | 6 x 12.0 | 1.5 - 3.5 | 145 5346 | A 500 |
| | 6 x 13.5 | 3.0 - 5.0 | 145 5347 | " |
| M 5  7.1 mm | 7 x 13.5 | 1.5 - 4.0 | 145 5348 | A 500 |
| | 7 x 15.5 | 3.5 - 6.0 | 145 5349 | " |
| M 6  9.1 mm | 9 x 17.0 | 1.5 - 4.5 | 145 5350 | A 250 |
| | 9 x 19.0 | 4.0 - 6.5 | 145 5351 | " |
| M 8  11.1 mm | 11 x 18.5 | 1.5 - 4.5 | 145 5352 | A 100 |
| | 11 x 20.5 | 4.0 - 6.5 | 145 5353 | " |
| M 10  12.1 mm | 12 x 19.0 | 1.5 - 4.5 | 145 5354 | A 100 |
| | 12 x 21.0 | 4.0 - 6.5 | 145 5355 | " |

TECHNICAL DATA

SCHEMATIC LAYOUT FOR THE TORQUE TEST

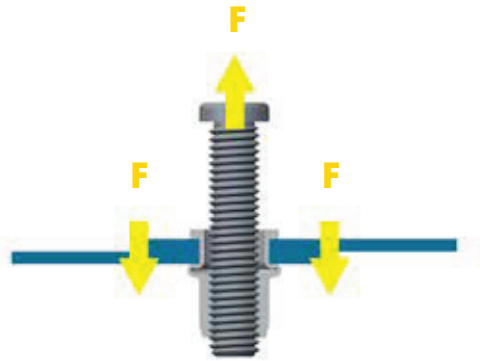
The tightening torque [(Nm) or (lb-ft)] specifies the maximum torque with which the screw can be tightened.

For testing, GESIPA® uses screws of the strength class 10.9 or higher that are free of all lubricants. A hardened washer is used as the clamping part. The test is carried out in the lower and the upper clamping range, where the blind rivet nuts are loaded with the specified torque. Then the screw is screwed out again.



SCHEMATIC LAYOUT FOR THE THREAD TEAR-OUT TEST

The maximum bearable axial load on the thread is the thread breaking force [(N) and (kp)]. GESIPA® uses screws of the strength class 10.9 or higher that are free of all lubricants for the test. The test takes place in the lower and upper clamping range.



The thread must still turn smoothly in order to pass the test. Then the blind rivet nut is loaded again up to the overtorque.

THE TIGHTENING TORQUE (NM) AND (LB-FT)

| | Alu | | Steel | | Stainless steel A2 / A4 / Monel® | |
|------------|-------------|---------|-------------|---------|----------------------------------|---------|
| | Nm | (lb-ft) | Nm | (lb-ft) | Nm | (lb-ft) |
| M4 | 2.5 | 1.8 | 3.0 | 2.2 | 5.5 | 4.1 |
| M5 | 5.0 | 3.7 | 8.0 | 5.9 | 14.0 | 10.3 |
| M6 | 9.5 | 7.0 | 12.0 | 8.9 | 27.0 | 19.9 |
| M8 | 17.5 | 12.9 | 30.0 | 22.1 | 40.0 | 29.5 |
| M10 | 28.0 | 20.7 | 38.0 | 28.0 | - | - |

THREAD BREAKING FORCE (N) AND (KP)

| | Alu | | Steel | | Stainless steel A2 / A4 / Monel® | |
|------------|---------------|-------|---------------|-------|----------------------------------|-------|
| | N | (kp) | N | (kp) | N | (kp) |
| M4 | 4,800 | 489 | 8,000 | 815 | 10,000 | 1,019 |
| M5 | 5,700 | 581 | 11,500 | 1,172 | 15,000 | 1,529 |
| M6 | 9,500 | 968 | 18,000 | 1,836 | > 25,000 | 2,548 |
| M8 | 13,000 | 1,325 | 28,000 | 2,853 | > 30,000 | 3,057 |
| M10 | 14,000 | 1,427 | 30,000 | 3,057 | - | - |