



RIVKLE®

Stainless steel blind rivet nuts and studs

BÖLLHOFF

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New product range

Stainless steel blind rivet nuts are prevalent in applications where aesthetic appearance and the ability to seal against the elements is essential. Example market sectors include industrial kitchen equipment, train construction and wind turbines.

As brand new applications emerge and existing issues become increasingly urgent to overcome, production technology has evolved, making it possible for increased precision inserts with optimized head projection.

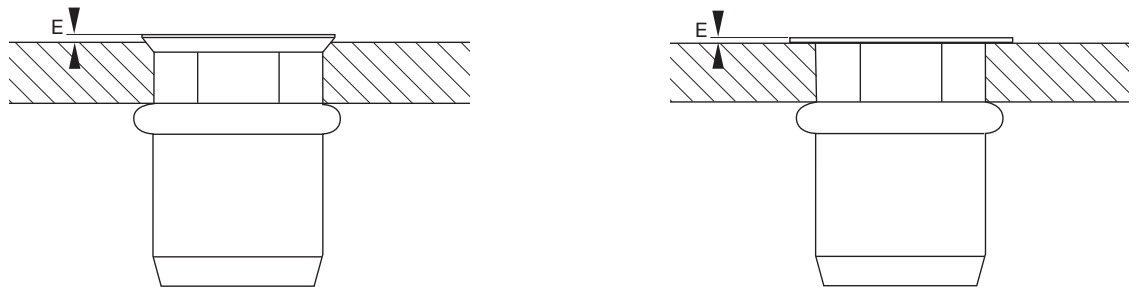
This is why BÖLLHOFF, as an historical blind rivet nut manufacturer, has today renewed its Stainless steel product line and proposes a comprehensive new range of products.



New thin head design

The aim of a thin head product is to achieve the minimum head projection whilst avoiding insert failure when installing a screw.

Thanks to the new cold forged production machine, BÖLLHOFF have defined a new optimized thin head design which satisfies these two needs.



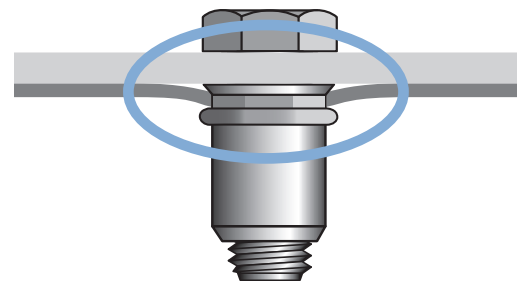
This new head design is applicable to the majority of the hexagonal thin head RIVKLE® range. BÖLLHOFF took the opportunity of this new design development to renew the head projection measurement test and to clearly identify criteria which positively influence the head projection results.

Head projection could be improved even more by increasing the setting force (+ 1 to 2 kN), as BÖLLHOFF RIVKLE® are designed to resist high stresses.

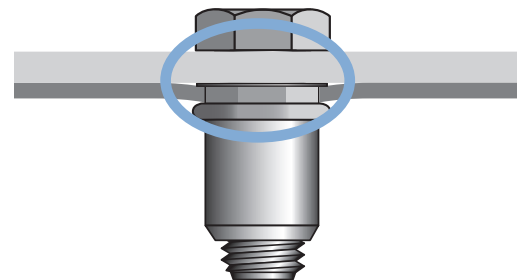
Up to AX80 class screws, in case of excessive tightening, screw will break and RIVKLE® will remain re-useable.



Actual thin head



New thin head



See offer detail page 8

Lubricated RIVKLE® range

Context:

Most users of stainless steel screws associated with stainless steel nuts meet with galling issues.



The consequence is an out of control increase of the friction between the screw and female thread. This concerns nuts and also blind rivet nuts (RIVKLE®).

It disrupts the torque/tension ratio and may increase the risk of a bad assembly, reducing tensile strength and potentially damaging the components.

The General solution is to add an interface product, such as a lubricating paste, to limit this phenomena.

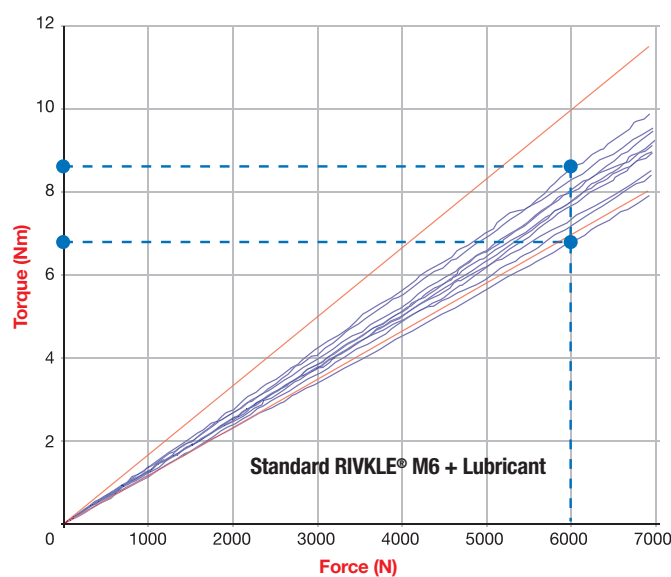
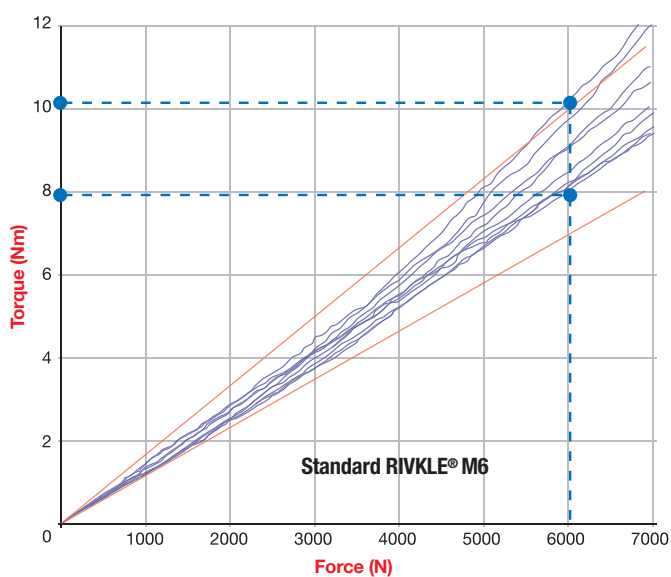
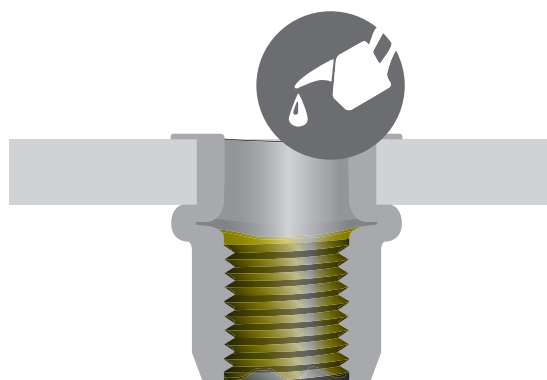
This represents additional operations and brings additional costs and risks:

- Cost of the product
- Cost of the operation
- Risk of missing
- Difficulties to reproduce quantity of product, impact on torque values, and inconsistent assembly

BÖLLHOFF solution:

After an investigation, BÖLLHOFF identified the best lubricant to apply to the RIVKLE®, limiting this galling phenomena.

BÖLLHOFF proposes a new range of lubricated products, based on the standard products + lubricant.



See offer detail page 8

RIVKLE® Stainless steel



RIVKLE® Stud range

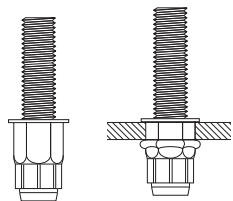
Principle:

Can be set with any power hand tool from the BÖLLHOFF range, by changing only the tooling. RIVKLE® studs provide an opportunity to give additional function to the fastening point:

- Alignment
- Pre-adjustment
- Screwing (nut) with one hand for the operator

After setting, Stainless steel RIVKLE® studs provide a 800 N/mm² resistant fixing.

Body benefits from the new thin head design, allowing a minimum clearance with the upper part.



Stainless steel | Thin head | Hexagonal

| d (mm) | B (mm) | L1 (mm) | e min - max (mm) | HZ +0.1/0 (mm) | S (mm) | L2 (mm) | E (mm) | L (mm) | |
|-----------|--------|---------|------------------|-------------------|---------|---------|--------|-------------|-----------------------|
| M5 | 10,0 | 13,35 | 0,5 - 3,0 | 7,0 | S=4,4-e | 8,5 | 0,5 | 15,5 - 18,0 | 372 98 050 502 |
| | | | | | | | | 20,5 - 23,0 | 372 98 050 503 |
| | | | | | | | | 25,5 - 28,0 | 372 98 050 504 |
| M6 | 13,0 | 15,65 | 0,5 - 3,0 | 9,0 | S=4,4-e | 10,8 | 0,5 | 15,5 - 18,0 | 372 98 060 506 |
| | | | | | | | | 20,5 - 23,0 | 372 98 060 507 |
| | | | | | | | | 25,5 - 28,0 | 372 98 060 508 |

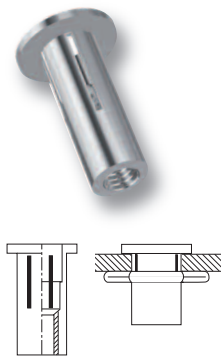
RIVKLE® Plusnut range

Large clamping area for higher pull out resistance (soft and/or thin materials)

- Large load bearing surface to reinforce the workpiece
- Minimal radial stresses during installation, reducing the risk of breakage in soft or fragile materials

RIVKLE® PNC - Extended Grip Range

Stainless steel | Flat head | Slotted | Open



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | D (mm) | MIN (mm) | MAX (mm) | L2 (mm) | E (mm) | |
|------------|--------|--------|--------------------|--------|----------|----------|---------|--------|------------------------|
| M4 | 17,6 | 11,1 | 0,50 - 3,80 | 6,12 | 6,13 | 6,25 | 8,6 | 0,96 | 668 30 488 038 |
| | 22,0 | | | | | | | | 668 30 588 044 |
| M5 | 23,8 | 12,7 | 0,50 - 4,45 | 7,47 | 7,48 | 7,58 | 9,9 | 0,95 | 668 30 588 081* |
| | 26,9 | | | | | | | | 668 30 688 071 |
| M6 | 32,8 | 15,9 | 0,50 - 7,10 | 8,79 | 8,80 | 8,90 | 12,8 | 1,50 | 668 30 688 127* |
| | 30,5 | | | | | | | | 668 30 888 071 |
| M10 | 33,2 | 22,2 | 0,50 - 7,10 | 13,06 | 13,07 | 13,26 | 15,8 | 2,24 | 668 31 088 071* |

*Item not in stock – please contact BOLLHOFF for availability

New dedicated semi-automatic hand tools

Principle:

Investigation shows that stainless steel blind rivet nuts are sensitive in relation to setting parameters, crimping speed and sequence.

BÖLLHOFF have modified existing power hand tools to take this into account.

With a very limited increase in setting time, these two power hand tools ensure better quality setting, increase tooling life and are especially dedicated to stainless steel RIVKLE® range.

RIVKLE® P2007 stainless steel:

Based on original RIVKLE® P2007, this tool is the right choice for those who prefer pneumatically fed installation tools.

| | RIVKLE® | | | | | | | |
|------------------------|---------|----|----|----|----|-----|-----|-----|
| | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 |
| Stainless steel | | ■ | ■ | ■ | ■ | | | |

F = 3 500 N => 21 000 N **Kg** 2200 g **236 156 01 042**
 Tooling not included



RIVKLE® B2007 stainless steel:

Based on original battery tool RIVKLE® B2007, this tool is the right choice for those who prefer a battery operated tool.

| | RIVKLE® | | | | | | | |
|------------------------|---------|----|----|----|----|-----|-----|-----|
| | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 |
| Stainless steel | ■ | ■ | ■ | ■ | ■ | | | |

F = 3 500 N => 22 000 N **Kg** 2490 g **236 166 01003**
 Tooling not included



You Tube

WEB

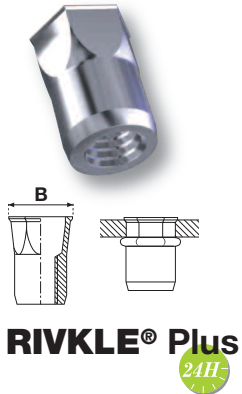


A dedicated brochure has been created for this product, please contact BÖLLHOFF for more information.

| | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 |
|-----------------------------------|------|------|-------|-------|-------|-------|-------|-----|
| Stainless steel Force en kN | 3,50 | 5,50 | 8,00 | 13,00 | 20,00 | 22,00 | 28,00 | - |
| Stainless steel A4 Force en kN | - | 9,50 | 12,00 | 15,00 | 20,00 | - | - | - |

RIVKLE® – Blind rivet nuts - Stainless steel

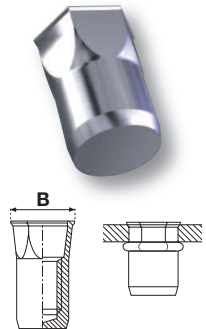
Stainless steel | Thin head | Semi-hexagonal | Open



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | $+0,1/0$ (mm) | S (mm) | L ₂ (mm) | E _{max} (mm) | | | |
|------------|--------|--------|--------------------|---------------|-----------------------|---------------------|------------------------|------------------------|------------------------|------------------------|
| M4 | 10,4 | 7,3 | 0,5 - 2,0 | 6,0 | S=3,1-e | 6,8 | 0,4 | | | |
| | 11,5 | 7,8 | 0,8 - 3,0 | | S=4,2-e | | | 343 48 040 020* | 343 49 040 506* | |
| | 11,7 | 7,8 | 3,0 - 4,2 | | S=5,8-e | | | 343 48 040 030* | 343 49 040 507* | |
| M5 | 12,0 | 8,4 | 0,5 - 3,0 | 7,0 | S=4,4-e | 7,0 | 0,45 | | | |
| | 12,8 | 8,9 | 3,0 - 4,5 | | S=6,5-e | | 343 48 050 020* | 343 49 050 538* | | |
| M6 | 14,5 | 10,6 | 0,5 - 3,0 | 9,0 | S=4,2-e | 9,7 | 0,6 | | | |
| | 14,3 | | 0,3 | | 343 48 060 025 | | 343 98 060 624* | 343 98 060 637* | | |
| | 16,5 | 10,8 | 3,0 - 5,5 | | S=7,4-e | 8,7 | 0,45 | 343 48 060 055* | | |
| | 16,0 | 11,1 | 4,0 - 5,5 | | S=8,0-e | 8,5 | | 343 98 060 630 | | |
| M8 | 15,8 | 13,0 | 0,5 - 3,0 | 11,0 | S=4,7-e | 10,4 | 0,5 | | | |
| | 17,6 | 12,9 | 1,5 - 5,0 | | S=7,0-e | | 10,0 | 0,3 | 343 48 080 030* | 343 98 080 631* |
| M10 | 19,4 | 15,7 | 1,0 - 3,5 | 13,0 | S=7,0-e | 12,0 | 0,7 | 343 98 080 625* | 343 48 100 035 | 343 49 100 501 |

*New thin head design

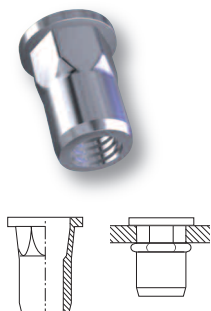
Stainless steel | Thin head | Semi-hexagonal | Closed



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | $+0,1/0$ (mm) | S (mm) | L ₂ (mm) | E _{max} (mm) | | |
|-----------|--------|--------|--------------------|---------------|---------|---------------------|-----------------------|------------------------|------------------------|
| M4 | 15,4 | 7,3 | 0,5 - 2,5 | 6,0 | S=3,8-e | 11,5 | 0,4 | | |
| | 17,3 | 7,8 | 3,0 - 4,2 | | S=5,8-e | | | 343 58 040 025* | 343 59 040 505* |
| M5 | 17,4 | 8,6 | 0,5 - 3,0 | 7,0 | S=4,4-e | 12,5 | 0,45 | | |
| | 20,0 | 8,9 | 3,0 - 4,5 | | S=6,5-e | | 13,4 | 0,5 | 343 98 040 630 |
| M6 | 20,5 | 10,6 | 0,5 - 3,0 | 9,0 | S=4,2-e | 15,0 | 0,6 | | |
| | 22,5 | | 1,0 - 3,5 | | S=4,8-e | | 0,3 | 343 58 050 020* | 343 59 050 505* |
| | 23,0 | 10,8 | 3,0 - 5,5 | | S=7,4-e | 15,2 | 0,45 | 343 98 050 683 | 343 98 060 030 |

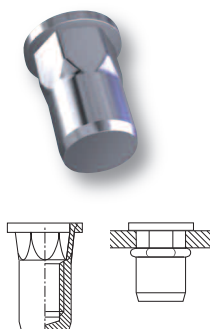
*New thin head design

Stainless steel | Flat head | Semi-hexagonal | Open



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | $H/2$ $+0.1/0$ (mm) | S (mm) | L_2 (mm) | E_{max} (mm) | |
|-------------|-------------|-------------|-------------------------|---------------------------|-------------|---------------|-------------------|-----------------------|
| M3 | 9,0 | 7,0 | 1,0 - 2,3 | 5,0 | S=3,1-e | 5,0 | 0,7 | 233 48 030 023 |
| | 9,7 | | 2,3 - 3,0 | | S=4,5-e | | | |
| M4 | 12,0 | 9,0 | 0,5 - 2,0 | 6,0 | S=3,5-e | 6,8 | 1,0 | 233 48 040 020 |
| | 12,1 | | 2,0 - 3,5 | | S=5,5-e | | | |
| M5 | 12,5 | 10,0 | 0,5 - 3,0 | 7,0 | S=4,7-e | 8,0 | 1,0 | 233 48 050 030 |
| | 14,0 | | 2,0 - 4,0 | | S=4,8-e | | | |
| M6 | 15,3 | 12,0 | 0,5 - 3,0 | 9,0 | S=4,0-e | 9,7 | 1,5 | 233 48 060 001 |
| | 16,0 | | 3,0 - 4,5 | | S=7,1-e | | | |
| M8 | 16,5 | 14,0 | 0,5 - 3,0 | 11,0 | S=4,1-e | 9,6 | 1,5 | 233 48 080 001 |
| | 18,5 | | 3,0 - 5,5 | | S=8,0-e | | | |
| M10 | 20,5 | 17,0 | 1,0 - 3,5 | 13,0 | S=7,5-e | 12,0 | 2,0 | 233 48 100 035 |
| | 22,7 | | 3,5 - 5,5 | | S=9,4-e | | | |
| M12 | 24,2 | 20,0 | 1,0 - 4,5 | 16,0 | S=8,5-e | 15,0 | 1,8 | 233 48 120 045 |

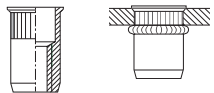
Stainless steel | Flat head | Semi-hexagonal | Closed



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | $H/2$ $+0.1/0$ (mm) | S (mm) | L_2 (mm) | E_{max} (mm) | |
|-------------|-------------|-------------|-------------------------|---------------------------|-------------|---------------|-------------------|-----------------------|
| M3 | 13,5 | 7,0 | 1,0 - 2,3 | 5,0 | S=3,8-e | 9,5 | 0,7 | 233 58 030 023 |
| | 14,3 | | 2,3 - 3,0 | | S=4,5-e | | | |
| M4 | 15,5 | 8,0 | 0,5 - 2,0 | 6,0 | S=3,8-e | 11,5 | 0,8 | 233 58 040 020 |
| | 17,5 | | 2,0 - 3,5 | | S=5,6-e | | | |
| M5 | 19,6 | 9,0 | 0,5 - 3,0 | 7,0 | S=5,0-e | 12,5 | 1,0 | 233 58 050 001 |
| | 20,0 | | 2,0 - 4,0 | | S=6,1-e | | | |
| M6 | 22,2 | 11,0 | 0,5 - 3,0 | 9,0 | S=5,6-e | 15,5 | 1,4 | 233 58 060 030 |
| | 23,5 | | 3,0 - 4,5 | | S=7,1-e | | | |
| M8 | 26,1 | 14,0 | 0,8 - 3,0 | 11,0 | S=5,3-e | 19,5 | 1,5 | 233 58 080 001 |
| | 27,0 | | 3,0 - 5,5 | | S=8,2-e | | | |
| M10 | 31,5 | 16,0 | 1,0 - 3,5 | 13,0 | S=7,4-e | 27,5 | 1,8 | 233 58 100 035 |
| | 33,5 | | 3,5 - 5,5 | | S=9,4-e | | | |
| M12 | 35,0 | 20,0 | 1,0 - 4,5 | 16,0 | S=8,5-e | 29,5 | 1,8 | 233 58 120 045 |

RIVKLE® – Blind rivet nuts - Stainless steel

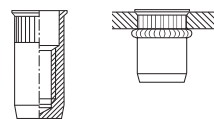
Stainless steel | Thin head | Knurled | Open



RIVKLE® Plus
24H

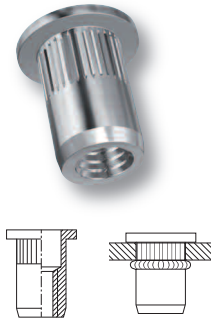
| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | HZ +0,1/0 (mm) | S (mm) | L2 (mm) | E max (mm) | | |
|------------|-----------|-----------|-----------------------|----------------------|-----------|------------|---------------|-----------------------|-----------------------|
| M3 | 8,7 | 6,0 | 0,7 - 1,5 | 5,0 | S=2,4-e | 5,9 | 0,3 | 343 66 030 015 | |
| | 7,9 | | 1,5 - 2,5 | | S=3,5-e | | | 343 66 030 025 | |
| | 10,5 | | 2,3 - 3,2 | | S=4,6-e | | | 343 66 030 032 | |
| M4 | 11,6 | 7,0 | 0,7 - 3,0 | 6,0 | S=4,0-e | 7,5 | 0,5 | 343 66 040 230 | |
| | 12,5 | | 3,0 - 4,2 | | S=4,6-e | | | 0,3 | 343 66 040 042 |
| M5 | 12,3 | 8,0 | 0,7 - 3,3 | 7,0 | S=4,4-e | 8,0 | 0,5 | 343 66 050 233 | |
| | 14,5 | | 3,3 - 4,5 | | S=6,3-e | | | 0,3 | 343 66 050 045 |
| M6 | 14,5 | 10,0 | 0,7 - 3,3 | 9,0 | S=5,7-e | 8,6 | 0,6 | 343 66 060 233 | |
| | 17,5 | | 3,0 - 5,5 | | S=7,5-e | | | 0,45 | 343 66 060 055 |
| | 17,0 | | 4,5 - 6,0 | | S=7,9-e | | | 0,4 | 343 66 060 060 |
| M8 | 16,1 | 12,0 | 0,7 - 3,3 | 11,0 | S=6,5-e | 9,5 | 0,6 | 343 66 080 233 | |
| | 18,6 | | 3,3 - 5,5 | | S=9,0-e | | | 10,0 | 343 66 080 255 |
| | 19,1 | | 4,5 - 6,0 | | S=7,9-e | | | 10,7 | 0,4 |
| M10 | 18,3 | 14,0 | 0,8 - 1,5 | 13,0 | S=3,9-e | 13,9 | 0,4 | 343 66 100 015 | |
| | 19,9 | | 1,5 - 3,0 | | S=5,5-e | | | 343 66 100 030 | |
| | 21,5 | | 3,0 - 4,5 | | S=7,1-e | | | 343 66 100 045 | |
| | 23,1 | | 4,5 - 6,0 | | S=8,7-e | | | 343 66 100 060 | |
| M12 | 21,5 | 17,5 | 0,8 - 1,5 | 16,0 | S=3,8-e | 17,2 | 0,4 | 343 66 120 015 | |
| | 23,1 | | 1,5 - 3,0 | | S=5,4-e | | | 343 66 120 030 | |
| | 24,7 | | 3,0 - 4,5 | | S=7,0-e | | | 343 66 120 045 | |
| | 26,3 | | 4,5 - 6,0 | | S=8,6-e | | | 343 66 120 060 | |

Stainless steel | Thin head | Knurled | Closed



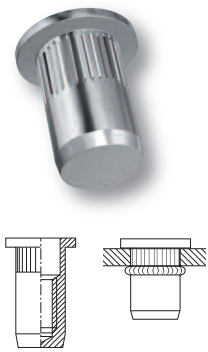
| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | HZ +0,1/0 (mm) | S (mm) | L2 (mm) | E max (mm) | |
|------------|-----------|-----------|-----------------------|----------------------|-----------|------------|---------------|-----------------------|
| M3 | 13,0 | 6,0 | 0,7 - 1,5 | 5,0 | S=2,4-e | 10,2 | 0,3 | 343 76 030 015 |
| | 14,1 | | 1,5 - 2,5 | | S=3,5-e | | | 343 76 030 025 |
| | 14,8 | | 2,3 - 3,2 | | S=4,6-e | | | 343 76 030 032 |
| M4 | 15,7 | 7,0 | 0,7 - 3,0 | 6,0 | S=3,8-e | 12,0 | 0,5 | 343 76 040 030 |
| | 16,7 | | 2,5 - 3,5 | | S=4,0-e | | | 343 76 040 035 |
| M5 | 17,5 | 8,0 | 3,5 - 4,2 | 7,0 | S=4,7-e | 11,9 | 0,3 | 343 76 040 042 |
| | 17,8 | | 0,8 - 2,0 | | S=3,2-e | | | 343 76 050 020 |
| | 18,9 | | 2,0 - 3,0 | | S=4,3-e | | | 343 76 050 030 |
| M6 | 20,5 | 10,0 | 3,0 - 4,5 | 9,0 | S=5,4-e | 13,6 | 0,4 | 343 76 050 045 |
| | 17,3 | | 0,8 - 1,5 | | S=3,1-e | | | 343 76 060 015 |
| | 18,8 | | 1,5 - 3,0 | | S=4,7-e | | | 343 76 060 030 |
| M8 | 20,4 | 12,0 | 3,0 - 4,5 | 11,0 | S=6,3-e | 16,7 | 0,4 | 343 76 060 045 |
| | 22,0 | | 4,5 - 6,0 | | S=7,9-e | | | 343 76 060 060 |
| | 20,3 | | 0,8 - 1,5 | | S=3,3-e | | | 343 76 080 015 |
| M10 | 21,9 | 14,0 | 1,5 - 3,0 | 13,0 | S=4,7-e | 21,9 | 0,4 | 343 76 080 030 |
| | 23,5 | | 3,0 - 4,5 | | S=6,3-e | | | 343 76 080 045 |
| | 25,1 | | 4,5 - 6,0 | | S=7,9-e | | | 343 76 080 060 |
| M12 | 26,3 | 17,5 | 0,8 - 1,5 | 16,0 | S=3,9-e | 26,2 | 0,4 | 343 76 100 015 |
| | 27,9 | | 1,5 - 3,0 | | S=5,5-e | | | 343 76 100 030 |
| | 29,5 | | 3,0 - 4,5 | | S=7,1-e | | | 343 76 100 045 |
| | 31,1 | | 4,5 - 6,0 | | S=8,7-e | | | 343 76 100 060 |
| M12 | 30,5 | 17,5 | 0,8 - 1,5 | 16,0 | S=3,8-e | 26,2 | 0,4 | 343 76 120 015 |
| | 32,1 | | 1,5 - 3,0 | | S=5,4-e | | | 343 76 120 030 |
| | 33,7 | | 3,0 - 4,5 | | S=7,0-e | | | 343 76 120 045 |
| | 35,3 | | 4,5 - 6,0 | | S=8,6-e | | | 343 76 120 060 |

Stainless steel | Flat head | Knurled | Open



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $+0.1/\varnothing$ (mm) | S (mm) | L_2 (mm) | E_{max} (mm) | |
|-------------|-------------|-------------|-------------------------|---|-------------|---------------|-------------------|-----------------------|
| M3 | 9,3 | 7,0 | 0,7 - 1,5 | 5,0 | S=2,4-e | 5,9 | 1,0 | 233 06 030 015 |
| | 10,4 | | 1,5 - 2,5 | | S=3,5-e | | | 233 06 030 025 |
| | 11,0 | | 2,3 - 3,2 | | S=4,4-e | | | 233 06 030 032 |
| M4 | 11,9 | 8,0 | 0,7 - 3,0 | 6,0 | S=4,0-e | 6,5 | 1,0 | 233 06 040 230 |
| | 12,4 | | 3,3 - 4,2 | | S=4,7-e | | | 6,0 |
| M5 | 12,7 | 9,0 | 0,7 - 3,3 | 7,0 | S=5,3-e | 7,2 | 1,0 | 233 06 050 233 |
| | 14,9 | | 3,3 - 4,5 | | S=5,4-e | | | 7,8 |
| M6 | 15,2 | 12,0 | 0,7 - 3,3 | 9,0 | S=5,7-e | 8,6 | 1,5 | 233 06 060 233 |
| | 16,4 | 11,0 | 3,0 - 4,5 | | S=6,3-e | | | 233 06 060 045 |
| | 18,2 | | 4,5 - 6,0 | | S=7,9-e | | | 233 06 060 060 |
| M8 | 16,9 | 14,0 | 0,7 - 3,3 | 11,0 | S=6,5-e | 9,5 | 1,5 | 233 06 080 233 |
| | 19,0 | | 3,0 - 5,5 | | S=8,5-e | | | 233 06 080 255 |
| | 20,0 | | 4,5 - 6,0 | | S=7,9-e | | | 10,6 |
| M10 | 19,8 | 16,0 | 0,8 - 1,5 | 13,0 | S=3,9-e | 13,9 | 2,0 | 233 06 100 015 |
| | 21,4 | | 1,5 - 3,0 | | S=5,5-e | | | 233 06 100 030 |
| | 23,0 | | 3,0 - 4,5 | | S=7,1-e | | | 233 06 100 045 |
| M12 | 24,6 | 20,0 | 4,5 - 6,0 | 16,0 | S=8,7-e | 17,2 | 2,0 | 233 06 100 060 |
| | 23,0 | | 0,8 - 1,5 | | S=3,8-e | | | 233 06 120 015 |
| | 24,6 | | 1,5 - 3,0 | | S=5,4-e | | | 233 06 120 030 |
| | 26,2 | | 3,0 - 4,5 | | S=7,0-e | | | 233 06 120 045 |
| | 27,8 | | 4,5 - 6,0 | | S=8,6-e | | | 233 06 120 060 |

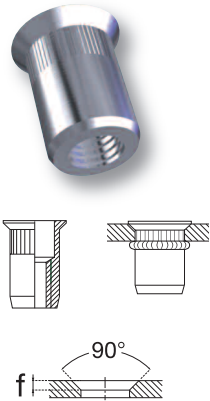
Stainless steel | Flat head | Knurled | Closed



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $+0.1/\varnothing$ (mm) | S (mm) | L_2 (mm) | E_{max} (mm) | |
|-------------|-------------|-------------|-------------------------|---|-------------|---------------|-------------------|-----------------------|
| M3 | 13,6 | 7,0 | 0,7 - 1,5 | 5,0 | S=2,4-e | 10,2 | 1,0 | 233 26 030 015 |
| | 14,7 | | 1,5 - 2,5 | | S=3,5-e | | | 233 26 030 025 |
| | 15,4 | | 2,3 - 3,2 | | S=4,4-e | | | 233 26 030 032 |
| M4 | 14,8 | 8,0 | 0,7 - 1,5 | 6,0 | S=2,6-e | 11,2 | 1,0 | 233 26 040 015 |
| | 16,2 | | 0,7 - 3,0 | | S=4,8-e | | | 233 26 040 030 |
| | 16,7 | | 2,5 - 3,5 | | S=4,7-e | | | 233 26 040 035 |
| M5 | 17,5 | 9,0 | 3,5 - 4,2 | 7,0 | S=5,5-e | 14,0 | 1,0 | 233 26 040 042 |
| | 17,8 | | 0,7 - 1,5 | | S=2,8-e | | | 233 26 050 015 |
| | 19,3 | | 1,5 - 3,0 | | S=4,5-e | | | 233 26 050 030 |
| M6 | 20,4 | 11,0 | 3,0 - 4,0 | 9,0 | S=5,6-e | 13,7 | 1,5 | 233 26 050 040 |
| | 18,3 | | 0,8 - 1,5 | | S=3,1-e | | | 233 26 060 015 |
| | 19,8 | | 1,5 - 3,0 | | S=4,7-e | | | 233 26 060 030 |
| M8 | 21,4 | 14,0 | 3,0 - 4,5 | 11,0 | S=6,3-e | 16,6 | 1,5 | 233 26 060 045 |
| | 23,2 | | 4,5 - 6,0 | | S=7,9-e | | | 233 26 060 060 |
| | 21,3 | | 0,8 - 1,5 | | S=3,2-e | | | 233 26 080 015 |
| M10 | 22,8 | 16,0 | 1,5 - 3,0 | 13,0 | S=4,7-e | 21,9 | 2,0 | 233 26 080 030 |
| | 24,4 | | 3,0 - 4,5 | | S=6,3-e | | | 233 26 080 045 |
| | 26,0 | | 4,5 - 6,0 | | S=7,9-e | | | 233 26 080 060 |
| M12 | 27,8 | 20,0 | 0,8 - 1,5 | 16,0 | S=3,9-e | 26,2 | 2,0 | 233 26 100 015 |
| | 29,4 | | 1,5 - 3,0 | | S=5,5-e | | | 233 26 100 030 |
| | 31,0 | | 3,0 - 4,5 | | S=7,1-e | | | 233 26 100 045 |
| | 32,6 | | 4,5 - 6,0 | | S=8,7-e | | | 233 26 100 060 |
| M12 | 32,0 | 20,0 | 0,8 - 1,5 | 16,0 | S=3,8-e | 26,2 | 2,0 | 233 26 120 015 |
| | 33,6 | | 1,5 - 3,0 | | S=5,4-e | | | 233 26 120 030 |
| | 35,2 | | 3,0 - 4,5 | | S=7,0-e | | | 233 26 120 045 |
| | 36,8 | | 4,5 - 6,0 | | S=8,6-e | | | 233 26 120 060 |

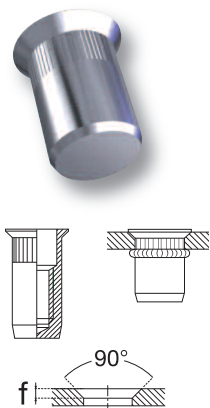
RIVKLE® – Blind rivet nuts - Stainless steel

Stainless steel | Countersunk head | Knurled | Open



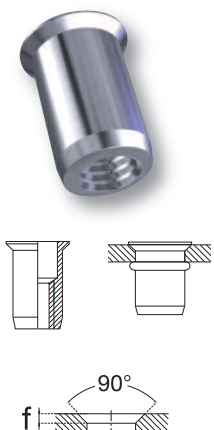
| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $^{+0.1/0}$ (mm) | f (mm) | S (mm) | L ₂ (mm) | E _{max} (mm) | |
|------------|-----------|-----------|-----------------------|--------------------------------------|-----------|-----------|------------------------|--------------------------|--|
| M3 | 8,8 | 7,0 | 1,3 - 2,0 | 5,0 | 0,9 | S=2,9-e | 5,9 | 0,1 | |
| | 9,9 | | 2,0 - 3,0 | | | S=4,0-e | | | |
| M4 | 9,3 | 8,0 | 1,3 - 2,0 | 6,0 | 0,9 | S=3,1-e | 6,2 | 0,1 | |
| | 10,3 | | 2,0 - 3,0 | | | S=4,1-e | | | |
| | 11,4 | | 3,0 - 4,0 | | | S=6,5-e | | | |
| M5 | 11,3 | 9,0 | 1,5 - 2,0 | 7,0 | 0,9 | S=3,9-e | 8,3 | 0,1 | |
| | 12,3 | | 2,0 - 3,0 | | | S=5,0-e | | | |
| M6 | 13,4 | 10,6 | 3,0 - 4,0 | 9,0 | 0,9 | S=5,6-e | 7,8 | 0,1 | |
| | 14,3 | | 1,5 - 4,0 | | | S=5,7-e | | | |
| | 15,4 | | 4,0 - 5,0 | | | S=6,9-e | | | |
| M8 | 16,5 | 11,0 | 5,0 - 6,0 | 11,0 | 1,4 | S=8,0-e | 10,6 | 0,1 | |
| | 15,3 | | 1,5 - 3,0 | | | S=4,7-e | | | |
| | 16,3 | | 3,0 - 4,0 | | | S=5,8-e | | | |
| M10 | 17,4 | 14,0 | 4,0 - 5,0 | 13,0 | 1,4 | S=6,9-e | 13,9 | 0,1 | |
| | 18,5 | | 5,0 - 6,0 | | | S=8,0-e | | | |
| | 19,4 | | 1,5 - 3,0 | | | S=5,5-e | | | |
| M12 | 21,0 | 16,0 | 3,0 - 4,5 | 16,0 | 1,4 | S=7,0-e | 17,2 | 0,1 | |
| | 22,6 | | 4,5 - 6,0 | | | S=8,7-e | | | |
| | 22,6 | | 1,5 - 3,0 | | | S=5,4-e | | | |
| M12 | 24,2 | 19,0 | 3,0 - 4,5 | 16,0 | 1,4 | S=7,0-e | 17,2 | 0,1 | |
| | 25,8 | | 4,5 - 6,0 | | | S=8,6-e | | | |

Stainless steel | Countersunk head | Knurled | Closed



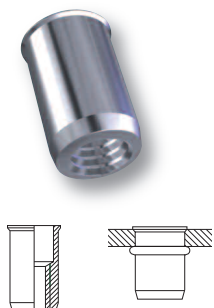
| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $^{+0.1/0}$ (mm) | f (mm) | S (mm) | L ₂ (mm) | E _{max} (mm) | |
|------------|-----------|-----------|-----------------------|--------------------------------------|-----------|-----------|------------------------|--------------------------|--|
| M3 | 13,1 | 7,0 | 1,3 - 2,0 | 5,0 | 0,9 | S=2,9-e | 10,2 | 0,1 | |
| | 14,2 | | 2,0 - 3,0 | | | S=4,0-e | | | |
| M4 | 14,3 | 8,0 | 1,3 - 2,0 | 6,0 | 0,9 | S=3,1-e | 11,2 | 0,1 | |
| | 15,3 | | 2,0 - 3,0 | | | S=4,1-e | | | |
| | 16,4 | | 3,0 - 4,0 | | | S=6,5-e | | | |
| M5 | 17,3 | 9,0 | 1,5 - 2,0 | 7,0 | 0,9 | S=3,4-e | 13,9 | 0,1 | |
| | 18,3 | | 2,0 - 3,0 | | | S=4,5-e | | | |
| M6 | 19,4 | 11,0 | 3,0 - 4,0 | 9,0 | 0,9 | S=5,6-e | 13,6 | 0,1 | |
| | 18,3 | | 1,5 - 3,0 | | | S=4,7-e | | | |
| | 19,3 | | 3,0 - 4,0 | | | S=5,8-e | | | |
| M8 | 20,4 | 14,0 | 4,0 - 5,0 | 11,0 | 1,4 | S=6,9-e | 16,5 | 0,1 | |
| | 21,5 | | 5,0 - 6,0 | | | S=8,0-e | | | |
| | 21,3 | | 1,5 - 3,0 | | | S=4,8-e | | | |
| M10 | 22,3 | 16,0 | 3,0 - 4,0 | 13,0 | 1,4 | S=5,8-e | 21,9 | 0,1 | |
| | 23,4 | | 4,0 - 5,0 | | | S=6,9-e | | | |
| | 24,5 | | 5,0 - 6,0 | | | S=8,0-e | | | |
| M12 | 27,4 | 19,0 | 1,5 - 3,0 | 16,0 | 1,4 | S=5,5-e | 26,2 | 0,1 | |
| | 29,0 | | 3,0 - 4,5 | | | S=7,0-e | | | |
| | 30,6 | | 4,5 - 6,0 | | | S=8,7-e | | | |
| M12 | 31,6 | 19,0 | 1,5 - 3,0 | 16,0 | 1,4 | S=5,4-e | 26,2 | 0,1 | |
| | 33,2 | | 3,0 - 4,5 | | | S=7,0-e | | | |
| | 34,8 | | 4,5 - 6,0 | | | S=8,6-e | | | |

Stainless steel | Countersunk head | Plain | Open



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $+0.1/0$ (mm) | f (mm) | S (mm) | L2 (mm) | E max (mm) | | |
|------------|-----------|-----------|-----------------------|-----------------------------------|-----------|-----------|------------|---------------|--|------|
| M4 | 11,3 | 8,0 | 1,30 - 2,50 | 6,0 | 1,3 | S=4,4-e | 6,8 | 0,1 | | |
| | 10,8 | | 1,75 - 3,25 | | | S=4,5-e | | | | 5,4 |
| M5 | 12,5 | 9,2 | 1,50 - 3,00 | 7,0 | 1,5 | S=4,0-e | 8,5 | 0,1 | | |
| | 13,8 | | 3,00 - 4,00 | | | S=5,0-e | | | | 8,5 |
| M6 | 14,8 | 11,3 | 1,50 - 3,00 | 9,0 | 1,5 | S=4,9-e | 9,5 | 0,1 | | |
| | 16,6 | | 3,00 - 4,50 | | | S=5,4-e | | | | 11,2 |
| | 18,2 | | 4,50 - 6,00 | | | S=7,0-e | | | | |
| M8 | 16,3 | 13,1 | 1,50 - 3,00 | 11,0 | 1,5 | S=5,0-e | 10,5 | 0,1 | | |
| | 18,1 | | 3,00 - 4,50 | | | S=5,9-e | | | | 12,2 |
| | 19,7 | | 4,50 - 6,00 | | | S=7,5-e | | | | |
| M10 | 20,4 | 15,5 | 1,50 - 3,00 | 13,0 | 1,5 | S=4,2-e | 16,2 | 0,1 | | |
| | 22,0 | | 3,00 - 4,50 | | | S=6,7-e | | | | |
| | 23,6 | | 4,50 - 6,00 | | | S=7,4-e | | | | |

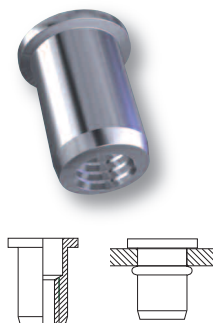
Stainless steel | Thin head | Plain | Open



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $+0.1/0$ (mm) | S (mm) | L2 (mm) | E max (mm) | |
|-----------|-----------|-----------|-----------------------|-----------------------------------|-----------|------------|---------------|--|
| M3 | 8,8 | 5,3 | 0,5 - 1,5 | 4,7 | S=2,8-e | 5,5 | 0,4 | |
| M4 | 10,4 | 7,0 | 0,5 - 2,0 | 6,4 | S=3,5-e | 7,3 | 0,5 | |
| M5 | 11,6 | 7,7 | 0,5 - 3,0 | 7,1 | S=5,0-e | 7,3 | 0,6 | |
| M6 | 14,3 | 10,2 | 0,7 - 3,0 | 9,5 | S=5,7-e | 9,3 | 0,6 | |
| M8 | 16,6 | 11,3 | 0,7 - 3,0 | 10,5 | S=6,1-e | 10,5 | 0,7 | |

inch For holes with imperial dimensions

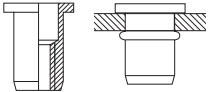
Stainless steel | Flat head | Plain | Open



| d (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $+0.1/0$ (mm) | S (mm) | L2 (mm) | E max (mm) | |
|------------|-----------|-----------|-----------------------|-----------------------------------|-----------|------------|---------------|--|
| M4 | 12,0 | 9,0 | 0,50 - 2,00 | 6,0 | S=3,5-e | 6,8 | 1,0 | |
| | 13,5 | | 2,00 - 3,50 | | S=5,2-e | | | |
| M5 | 12,5 | 10,0 | 0,50 - 3,00 | 7,0 | S=4,7-e | 8,0 | 1,0 | |
| | 14,3 | | 3,00 - 4,00 | | S=5,0-e | | | |
| M6 | 16,5 | 12,0 | 0,80 - 3,00 | 9,0 | S=4,7-e | 10,0 | 1,5 | |
| | 18,0 | | 3,00 - 4,50 | | S=6,3-e | | | |
| M8 | 16,5 | 14,0 | 0,80 - 3,00 | 11,0 | S=4,7-e | 9,5 | 1,5 | |
| | 19,4 | | 3,00 - 4,50 | | S=6,1-e | | | |
| M10 | 22,4 | 16,0 | 1,00 - 3,00 | 13,0 | S=4,6-e | 16,0 | 2,0 | |
| | 24,0 | | 3,00 - 4,50 | | S=6,7-e | | | |
| | 25,6 | | 4,50 - 6,00 | | S=7,8-e | | | |

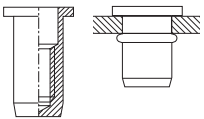
RIVKLE® – High corrosion resistance: A4

Stainless steel A4 | Flat head | Plain | Open



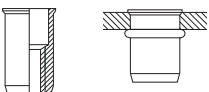
| D (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $+0,1/0$ (mm) | (N) | L ₂ max (mm) | E max (mm) | |
|-----------|--------|--------|--------------------|-----------------------------|--------|-------------------------|------------|-----------------------|
| M4 | 12,0 | 9,0 | 0,5 - 2,0 | 6,0 | 9 500 | 7,5 | 1,0 | 233 04 040 020 |
| M5 | 12,5 | 10,0 | | 7,0 | 12 000 | 7,5 | | 233 04 050 030 |
| M6 | 16,0 | 12,0 | | 9,0 | 15 000 | 10,0 | 1,5 | 233 04 060 030 |
| M8 | 17,5 | 15,0 | | 11,0 | 20 000 | 11,2 | | 233 04 080 030 |

Stainless steel A4 | Flat head | Plain | Closed



| D (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $+0,1/0$ (mm) | (N) | L ₂ max (mm) | E max (mm) | |
|-----------|--------|--------|--------------------|-----------------------------|--------|-------------------------|------------|-----------------------|
| M4 | 16,0 | 9,0 | 0,5 - 2,0 | 6,0 | 9 500 | 11,5 | 1,0 | 233 24 040 020 |
| M5 | 18,5 | 10,0 | | 7,0 | 12 000 | 13,2 | | 233 24 050 030 |
| M6 | 23,0 | 12,0 | | 9,0 | 15 000 | 17,0 | 1,5 | 233 24 060 030 |
| M8 | 25,0 | 15,0 | | 11,0 | 20 000 | 18,7 | | 233 24 080 030 |

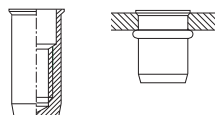
Stainless steel A4 | Thin head | Plain | Open



| D (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $+0,1/0$ (mm) | (N) | L ₂ max (mm) | E max (mm) | |
|-----------|--------|--------|--------------------|-----------------------------|--------|-------------------------|------------|-----------------------|
| M5 | 12,0 | 7,5 | 0,5 - 3,0 | 7,0 | 12 000 | 7,2 | 0,5 | 343 64 050 030 |
| M6 | 14,5 | 9,5 | | 9,0 | 15 000 | 9,4 | | 343 64 060 030 |
| M8 | 16,0 | 11,5 | | 11,0 | 20 000 | 11,2 | | 343 64 080 030 |

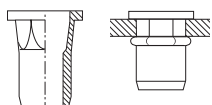
Range dedicated to industry use. In case of non metallic support, please contact us

Stainless steel A4 | Thin head | Plain | Closed



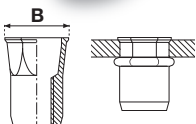
| D (mm) | L (mm) | B (mm) | e (min - max) (mm) | \varnothing $+0,1/0$ (mm) | (N) | L2 max (mm) | E max (mm) | |
|-----------|-----------|-----------|-----------------------|-----------------------------------|--------|----------------|---------------|-----------------------|
| M4 | 15,5 | 6,5 | 0,5 - 2,0 | 6,0 | 9 500 | 11,6 | 0,5 | 343 74 040 020 |
| M5 | 18,0 | 7,5 | 0,5 - 3,0 | 7,0 | 12 000 | 13,2 | | 343 74 050 030 |
| M6 | 21,5 | 9,5 | | 9,0 | 15 000 | 16,7 | | 343 74 060 030 |
| M8 | 24,0 | 11,5 | | 11,0 | 20 000 | 19,2 | | 343 74 080 030 |

Stainless steel A4 | Flat head | Semi-hexagonal | Open



| D (mm) | L (mm) | B (mm) | e (min - max) (mm) | HZ $+0,1/0$ (mm) | (N) | L2 max (mm) | E max (mm) | |
|-----------|-----------|-----------|-----------------------|------------------------|--------|----------------|---------------|-----------------------|
| M4 | 12,0 | 9,0 | 0,5 - 2,0 | 6,0 | 9 500 | 7,5 | 1,0 | 233 44 040 020 |
| M5 | 12,5 | 10,0 | 0,5 - 3,0 | 7,0 | 12 000 | 7,2 | | 233 44 050 030 |
| M6 | 16,0 | 12,0 | | 9,0 | 15 000 | 9,3 | 1,5 | 233 44 060 030 |
| M8 | 17,5 | 15,0 | | 11,0 | 20 000 | 11,0 | | 233 44 080 030 |

Stainless steel A4 | Thin head | Semi-hexagonal | Open



| D (mm) | L (mm) | B (mm) | e (min - max) (mm) | HZ $+0,1/0$ (mm) | (N) | L2 max (mm) | E max (mm) | |
|-----------|-----------|-----------|-----------------------|------------------------|--------|----------------|---------------|-----------------------|
| M4 | 11,0 | 6,5 | 0,5 - 2,0 | 6,0 | 9 500 | 7,5 | 0,5 | 343 44 040 020 |
| M5 | 12,0 | 7,5 | 0,5 - 3,0 | 7,0 | 12 000 | 7,2 | | 343 44 050 030 |
| M6 | 14,5 | 9,5 | | 9,0 | 15 000 | 9,3 | | 343 44 060 030 |
| M8 | 16,0 | 11,5 | | 11,0 | 20 000 | 11,0 | | 343 44 080 030 |

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