chanhvinh.com

BÖLLHOFF

RIVKLE®

Blind rivet nuts and studs





PASSION FOR **SUCCESSFUL JOINING**

chanhvinh.com

BÖLLHOFF

Contents

General presentation of the **RIVKLE®** product line

- An optimized assembly solution for improved performance . . . 4
- The RIVKLE® technology . . . 6
- Setting of RIVKLE® fasteners . . . 7
- Material and surface treatment . . . 9
- Selection of the blind rivet nuts or studs . . . 10
- Additional services . . . 12
- Legend . . . 13

The standard **RIVKLE®** line

- Blind rivet nuts . . . 16
- Blind rivet studs . . . 35

RIVKLE® product variants

- HRT blind rivet nuts - High Resistance Thread . . . 40
- SFC blind rivet nuts and studs - Smart for composite . . . 42
- PN blind rivet nuts - Ultimate pull-out force . . . 44
- Seal Ring blind rivet nuts and studs and other sealed solutions . . . 46

The **RIVKLE®** setting tools

- Hand operated assembly tools . . . 50
- Hydropneumatic and battery-powered setting tools . . . 53
- Special installation machines . . . 63

Böllhoff is your supplier for your fastening components and associated tools . . . 64

Part number index . . . 66

chanhvinh.com

BÖLLHOFF

An optimized assembly solution for improved performance

RELIABILITY



- **Controlled setting**
  The technologies implemented in Böllhoff tools allow you to make sure that 100% of the RIVKLE® fasteners are conforming after setting.

- **Components comply with the rules applicable to threaded joints**
  Obtain robust assemblies thanks to components which, after setting, are comparable to class 8 nuts (or even class 10 or 12 for HRT versions) or to class 8.8 screws (stud version).

  After setting, RIVKLE® blind rivet nuts comply with the rules applicable to threaded joints. These rules guarantee, among other things, that in the case of over-tightening, the screw will fail, leaving the nut re-usable.

SIMPLICITY



- **A safe and environmentally-friendly solution**
  Reduce your environmental costs with this assembly solution which requires no exhaust or cooling.

- **Minimal equipment and expertise required**
  You can easily integrate the RIVKLE® solution into your production process, as it does not require your operators to have any particular qualifications or safety equipment.

- **Simple to use**
  The RIVKLE® technology can be integrated quickly and easily thanks to easy-to-use setting methods and simple tool adjustment procedures.



chanhvinh.com

BÖLLHOFF

An optimized assembly solution for improved performance

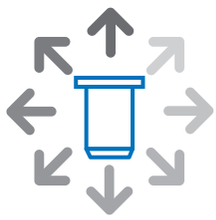
PERFORMANCE



- **A repeatable solution**
  Ensure the reliability of your assemblies by using components with a repeatable setting behavior in combination with setting tools with well-known repeatability (CPk > 1.66).

- **A competitive global solution**
  Reduce the costs of your assemblies thanks to a cost per installed RIVKLE® fastener that is usually more competitive than alternative solutions with reduced costs in manpower, energy, maintenance, investment, floor area.

VERSATILITY



- **RIVKLE® can be set at every stage of your production process**
  You can integrate RIVKLE® at any stage of your production process, either before or after surface coating.
  In fact, the RIVKLE® components are supplied with a surface treatment which complies with the strictest customer requirements, and the setting operation does not alter the support or the component's surface treatment.

  Moreover, as the RIVKLE® components can be set either with hand tools or with automatic setting units on robots, the RIVKLE® technology can fit into all your production environments.

- **Compatibility with all application materials**
  The RIVKLE® components are compatible with metal (steel, light alloys) as well as polymers (composites, plastics, etc.).

- **Installation with access from only one side**
  Simplify your design and integrate RIVKLE® into many of your applications, as these fasteners can be installed with access on only one side.

  The dimensions and the accessibility of your parts do not hinder the use of the RIVKLE® solution.



chanhvinh.com

BÖLLHOFF

The **RIVKLE®** technology

RIVKLE® blind rivet nuts and studs are the most versatile solutions to add reusable high-strength male or female threads to low thickness application materials.

Allows male threads to be added to low thickness application materials

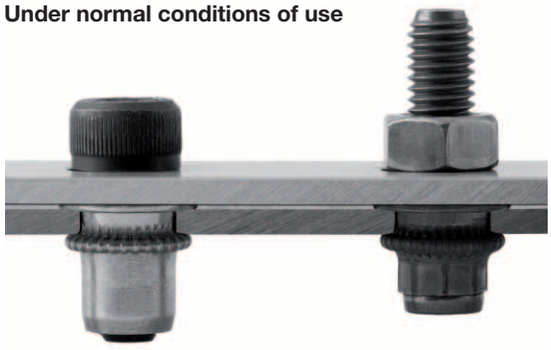
The joint between the application material and the RIVKLE® blind rivet nuts or studs is obtained by means of a crimping process



Allows female threads to be added to low thickness application materials

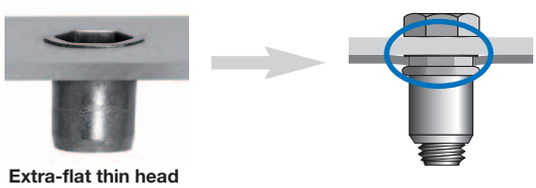
Allows two or more plates made of different materials to be assembled together (rivet function)

Under normal conditions of use



Thin head

To optimise the protrusion of thin heads after setting and ensure optimum penetration strength, Böllhoff decided to use the extra-flat heads already implemented in most of the steel or stainless steel thin-head fasteners.



Extra-flat thin head

chanhvinh.com

Setting of **RIVKLE®** fasteners

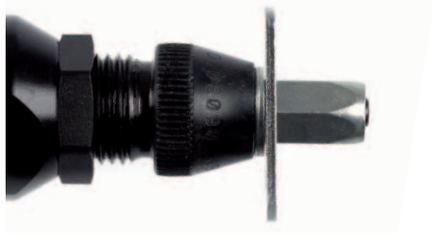
Pull setting method

The Böllhoff setting tools use the pull setting method to set the RIVKLE® joining elements.

This method consists of 4 steps
- 1 (or 2) Spin on
- 2 (or 1) Insertion of the component into the support
- 3 Upset
- 4 Spin off



1 Spin on



2 Insertion



3 Upset



4 Spin off

Our pressure setting method

Today, all the Böllhoff setting tools use the pressure setting method. With this setting method, a tension force is applied in order to generate the deformation of the RIVKLE®.



Advantages

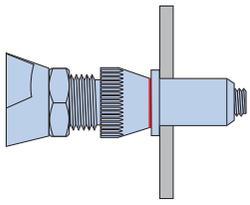
- Ensures a constant setting quality, particularly for applications with variable thicknesses.
- Allows the use of preventive controls.
- Quick and simple adjustment of the setting tools.
- Prevents damage to the setting tool or the RIVKLE® in the event of a 2nd setting cycle.
- Increased mandrel life.

chanhvinh.com

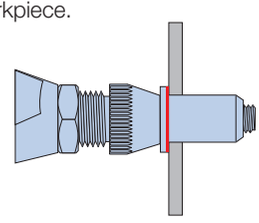
Setting parameters

There are four required conditions for proper adjustment of a RIVKLE® fastener:

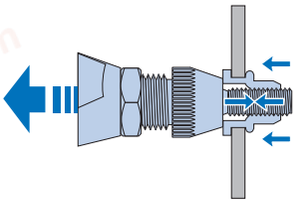
1. Make sure the RIVKLE® fastener touches the anvil: this means that "spin on" has been performed until the head of the RIVKLE® fastener touches the anvil.



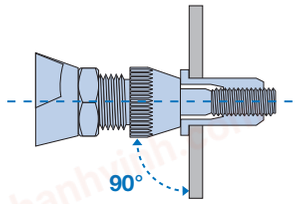
2. Make sure the RIVKLE® fastener touches the workpiece: check that the rear face of the head of the RIVKLE® fastener lies flat against the surface of the workpiece.



3. Apply the recommended setting force: adjustment and check should be done using the force controller specifically designed for our hand setting tools (integrated for automatic adjustment).



4. Make sure the tool is perpendicular to the surface of the workpiece: check that the top of the tool is and remains aligned with the centreline of the thread during the spin on, setting and spin off steps.



Recommended setting force

Böllhoff has determined a recommended setting force for every RIVKLE® product.

This recommended setting force is defined to ensure:

- proper installation of the product throughout its entire setting range
- no "re-setting" of the product when the bolt is screwed in

To limit the need for tool adjustment, Böllhoff develops its produts in such a way that a recommended force is achieved for each diameter.

Installation force range per diameter & RIVKLE® material

	Steel Force in kN	Stainless steel Force in kN	Stainless steel A4 Force in kN	Aluminium Force in kN
M3	3,5	3,5	-	1,9
M4	5,5	5,5	9,5	3,0
M5	8,0	8,0	12,0	3,8
M6	12,0	13,0	15,0	5,5
M8	18,0	20,0	22,0	10,0
M10	21,0	22,0	-	12,0
M12	23,0	38,0	-	15,0
M14	50,0	-	-	-

For the ranges of RIVKLE® fasteners with additional functions, you will find the associated setting forces in the relevant product pages.

chanhvinh.com

RIVKLE® – Material and surface treatment

Our standard surface treatment, Zn 8K+; 8 to 15 µm; provides the highest corrosion resistance in the standard market (400 hours to Red Rust according to ISO9227). For the most demanding applications, ZnNi8A/Fe; 8 to 15 µm, can be supplemented with either a lubricant and/or reinforcement to reach 720 or even 1000 hours to Red Rust.

	EN		USA
	Description	Num.	
Steel	C10C	1.0214	C1010
	C4C	1.0303	C1005
	11SMnPb30	1.0718	12L13
	20MnB5	1.5530	10B22
Stainless steel	X6CrNiCu18-9-2	1.4570 (A1)	AISI 303K
	X3CrNiCu18-9-4	1.4567 (A2)	AISI 302 HQ
	X3CrNiCuMo17-11-3-2	1.4578 (A4)	AISI 316 Cu
	X6Cr17*	1.4016*	AISI 430*
Aluminium	AW-AlMg2,5	AW-5052	5052
	EN AW-Al Mg1SiBi/EN	AW-60604	A/6064

*RIVKLE® PN





With the exception of the ranges below, which are suited for both industrial use and automotive use, all the other references are designed for industrial use only.

- RIVKLE® HRT (High Resistance Thread) blind rivet nuts
- RIVKLE® SFC (Smart For Composite) blind rivet nuts
- RIVKLE® Seal Ring blind rivet nuts and studs
- Standard blind rivet studs: refer to the last column related to coatings ❶ = Zn8K+/Fe ; ❷ = ZnNi8A/Fe

Most of the articles in this catalogue are available in automotive variant. Please contact Böllhoff.

chanhvinh.com

BÖLLHOFF

RIVKLE® – Selection of the blind rivet nuts or studs

The references provided in the next pages of the catalogue and on our website will help you to select the RIVKLE® blind rivet nut or stud suited to your application.

The RIVKLE® blind rivet nuts and studs are identified based on different product features:

- **BODY** −
- HEAD +
- BODY END +
- MATERIAL +
- DIAMETER +
- GRIP THICKNESS +
- PLATING +
- ADDITIONAL FUNCTIONS +

>

BODY





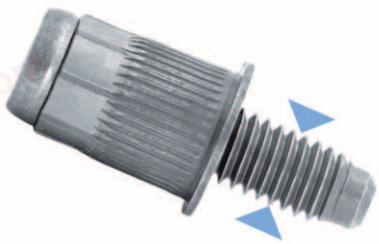
CYLINDRICAL | **CYLINDRICAL KNURLED** | HEXAGONAL | SEMI HEXAGONAL | SLOTTED



chanhvinh.com

RIVKLE® – Selection of the blind rivet nuts or studs

DIAMETER



M3	M4	**M5**
M6	M8	M10
M12	M14	M16

<

- \+ BODY ✔
- \+ HEAD ✔
- \+ THREAD ✔
- \+ END ✔
- \+ MATERIAL ✔
- − **DIAMETER**
- \+ GRIP THICKNESS
- \+ PLATING
- \+ ADDITIONAL FUNCTIONS



chanhvinh.com

BÖLLHOFF

RIVKLE® – Additional services

CAD

Free-of-charge download of 3D drawings from our ranges. Integrate them directly into your design software.

AVAILABILITY

Böllhoff guarantees the immediate and local availability of all articles on all its European sites, so as to meet our customers' needs.

DESIGN

SHIPPING

AFTER SALES SERVICE

LABORATORY TESTING

Böllhoff offers the services of our own certified laboratory to assess and report on the performance of our products when installed into your components.

TRAINING

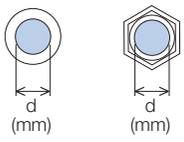
Böllhoff imparts expertise to your Team (production, maintenance, process) to improve your experience when using either our components or tools (theory & practice).



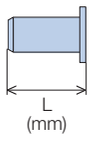
chanhvinh.com

BÖLLHOFF

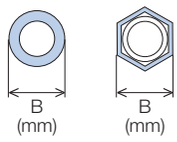
RIVKLE® – Legend



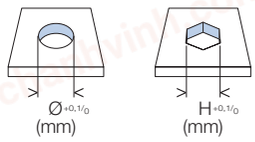
Thread size



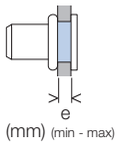
Overall length



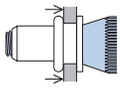
Head diameter
If round –> diameter
If hexagonal –> wigth across flats



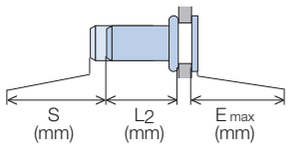
Hole geometry
If round –> diameter
If hexagonal –> wigth across flats



Grip range
Defines the range of total thickness of the customers part (even if it consists of more than one layer)



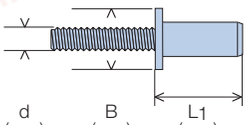
Setting load



Head projection after setting
Variable according to the application (setting load, material substrate, etc.)

Blind side projection after installation
Defines the clearance needed on the blind side (cannot be used for quality control)

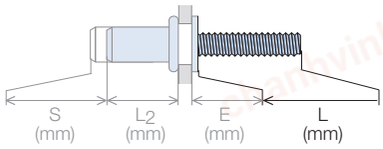
Setting stroke
Difference of total length before and after installation



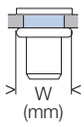
Shank length

Head diameter

Tip diameter



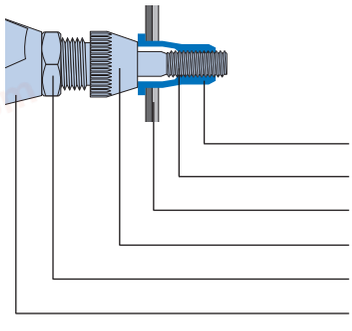
Tip length



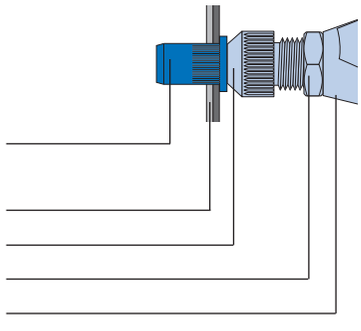
Maximum bulge diameter

d (mm)	W (mm)
M3	6,8 mm
M4	8,6 mm
M5	10,1 mm
M6	13,0 mm
M8	15,0 mm
M10	18,0 mm
M12	22,4 mm

RIVKLE® blind rivet nut



RIVKLE® blind rivet stud



RIVKLE®
Mandrel*
Customers part
Anvil*
Counter nut
Setting tool

*in accordance to chosen RIVKLE®

chanhvinh.com

RIVKLE®
THE STANDARD LINE



chanhvinh.com

BÖLLHOFF

Contents

General presentation of the **RIVKLE®** product line

- An optimized assembly solution for improved performance . . . 4
- The RIVKLE® technology . . . 6
- Setting of RIVKLE® fasteners . . . 7
- Material and surface treatment . . . 9
- Selection of the blind rivet nuts or studs . . . 10
- Additional services . . . 12
- Legend . . . 13

The standard **RIVKLE®** line

- Blind rivet nuts . . . **16**
- Blind rivet studs . . . **35**

RIVKLE® product variants

- HRT blind rivet nuts - High Resistance Thread . . . 40
- SFC blind rivet nuts and studs - Smart for composite . . . 42
- PN blind rivet nuts - Ultimate pull-out force . . . 44
- Seal Ring blind rivet nuts and studs and other sealed solutions . . . 46

The **RIVKLE®** setting tools

- Hand operated assembly tools . . . 50
- Hydropneumatic and battery-powered setting tools . . . 53
- Special installation machines . . . 63

Böllhoff is your supplier for your fastening components and associated tools . . . 64

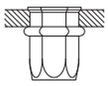
Part number index . . . 66

chanhvinh.com

BÖLLHOFF

RIVKLE® – Standard blind rivet nuts - Steel

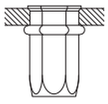




Steel | Thin head | Hexagonal | Open

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0.1/0 (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	10,25	5,0	1,5 - 2,5	5,0	S=3,8-e	6,0	0,3	**343 41** 030 025
M4	10,8	6,5	0,5 - 3,0	6,0	S=4,5-e	6,2	0,4	**343 41** 040 030
	13,5		3,0 - 5,5		S=7,2-e			**343 41** 040 055
M5	13,8	7,85	0,5 - 3,0	7,0	S=4,5-e	9,0	0,45	**343 41** 050 030
	16,5		3,0 - 5,5		S=7,2-e			**343 41** 050 055
M6	16,2	9,95	0,5 - 3,5	9,0	S=5,5-e	10,2	0,45	**343 41** 060 030
	19,25		3,5 - 6,0		S=8,5-e			**343 41** 060 060
M8	17,8	11,75	0,5 - 3,5	11,0	S=5,5-e	12,5	0,4	**343 41** 080 030
	20,8		3,5 - 6,0		S=8,5-e		0,5	**343 41** 080 060
M10	22,0	14,1	1,0 - 3,5	13,0	S=6,0-e	16,0	0,5	**343 41** 100 035
	25,0		3,0 - 6,0		S=8,6-e			**343 41** 100 060
M12	24,8	17,6	1,0 - 4,0	16,0	S=7,8-e		0,85	**343 41** 120 040
	27,7		4,0 - 10,0		S=13,5-e	14,0		**343 41** 120 080





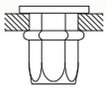
Steel | Thin head | Hexagonal | Closed

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0.1/0 (mm)	S (mm)	L2 (mm)	E max (mm)	
M4	17,8	6,5	0,5 - 3,0	6,0	S=4,5-e	13,0	0,4	**343 51** 040 030
M5	20,2	7,85	0,5 - 3,0	7,0	S=4,5-e	15,0	0,45	**343 51** 050 030
M6	23,2	9,95	0,5 - 3,5	9,0	S=5,8-e	17,2	0,45	**343 51** 060 030
	25,3	10,03	3,5 - 5,5		S=7,4-e	17,8	0,4	**343 51** 060 055
M8	28,3	11,75	0,5 - 3,5	11,0	S=5,8-e	22,5	0,5	**343 51** 080 030
	30,5	11,75	3,5 - 6,0		S=8,5-e	22,0		**343 51** 080 060
M10	35,05	14,1	3,0 - 6,0	13,0	S=8,2-e	27,0	0,55	**343 51** 100 060

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Steel

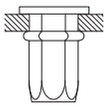




Steel | Flat head | Hexagonal | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0.1/0 (mm)	S (mm)	L_2 (mm)	E (mm)	
M4	9,8	9,0	0,5 - 2,0	6,0	S=3,5-e	5,8	1,0	**233 41** 040 020
M5	13,7	10,0	0,5 - 3,0	7,0	S=5,0-e	8,0	1,0	**233 41** 050 030
	14,3		2,5 - 4,5		S=6,6-e	6,7		**233 41** 050 045
M6	15,7	12,9	0,5 - 3,0	9,0	S=4,5-e	10,0	1,5	**233 41** 060 030
	18,7		3,0 - 5,5		S=7,5-e			**233 41** 060 055
M8	17,75	16,0	0,5 - 3,0	11,0	S=5,5-e	11,0	1,5	**233 41** 080 030
	20,75		3,0 - 5,5		S=8,5-e			**233 41** 080 055
M10	22,8	19,0	1,0 - 3,5	13,0	S=6,0-e	15,0	2,0	**233 41** 100 035
	25,45		3,5 - 6,0		S=8,7-e			**233 41** 100 060
M12	26,8	23,0	1,0 - 4,0	16,0	S=7,7-e	17,0	2,0	**233 41** 120 030





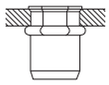
Steel | Flat head | Hexagonal | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0.1/0 (mm)	S (mm)	L_2 (mm)	E (mm)	
M4	14,8	9,0	0,5 - 2,0	6,0	S=4,0-e	10,0	1,0	**233 51** 040 020
M5	19,7	10,0	0,5 - 3,0	7,0	S=5,0-e	14,0	1,0	**233 51** 050 030
M6	22,8	12,9	0,5 - 3,0	9,0	S=5,2-e	17,0	1,5	**233 51** 060 030
M8	25,8	16,0	0,5 - 3,0	11,0	S=5,5-e	19,0	1,5	**233 51** 080 030
	28,7		3,0 - 5,5		S=8,3-e			**233 51** 080 055
M10	32,75	19,0	1,0 - 3,5	13,0	S=6,0-e	25,0	2,0	**233 51** 100 035

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Steel

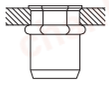




Steel | Thin head | Semi-Hexagonal | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E max (mm)	
M4	10,7	6,7	0,5 - 3,0	6,0	S=4,5-e	6,0	0,3	**343 41** 040 230
M5	13,0	7,9	0,5 - 3,0	7,0	S=5,2-e	7,5	0,3	**343 41** 050 230
M6	13,75	9,8	0,5 - 3,0	9,0	S=5,3-e	8,3	0,4	**343 41** 060 230
M8	17,25	12,0	0,5 - 3,0	11,0	S=5,8-e	11,3	0,4	**343 41** 080 230





Steel | Thin head | Semi-Hexagonal | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E max (mm)	
M4	10,3	6,9	0,5 - 2,0	6,4	S=3,0-e	6,8	0,5	**343 21** 040 020
M5	11,45	8,1	0,5 - 3,0	7,3	S=4,8-e	7,0	0,45	**343 21** 050 030
M6	14,35	10,6	0,7 - 3,0	9,7	S=4,8-e	9,0	0,6	**343 21** 060 030
M8	15,8	11,55	0,9 - 3,3	10,7	S=5,9-e	10,2	0,7	**343 21** 080 033

inch For holes with imperial dimensions





Steel | Flat head | Semi-Hexagonal | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M4	11,0	9,0	0,5 - 3,0	6,0	S=4,3-e	5,8	1,0	**233 41** 040 230
M5	13,0	10,0	0,5 - 3,0	7,0	S=4,7-e	7,3	1,0	**233 41** 050 230
M6	14,25	13,0	0,5 - 3,0	9,0	S=5,0-e	8,0	1,5	**233 41** 060 230
M8	18,0	16,0	0,5 - 3,0	11,0	S=5,3-e	11,2	1,5	**233 41** 080 230



RIVKLE® - Other concepts

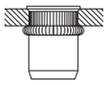
RIVKLE® Star Head

Flush finish with anti-turn - Ideal for wood

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Steel

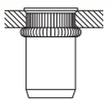




Steel | Thin head | Knurled | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	9,0	5,7	0,5 - 2,0	5,0	S=3,6-e	5,5	0,4	**343 67** 030 020
	9,8	5,75	1,5 - 3,0		S=3,6-e	5,7		**343 67** 030 030
M4	10,7	6,6	0,5 - 3,0	6,0	S=4,2-e	6,3	0,3	**343 67** 040 230
	11,9		2,5 - 4,0		S=5,6-e	5,9	0,4	**343 67** 040 040
M5	12,75	8,0	0,5 - 3,0	7,0	S=5,3-e	7,4	0,3	**343 67** 050 230
	13,8	7,6	2,5 - 4,0		S=5,8-e	7,6	0,4	**343 67** 050 040
M6	13,8	10,0	0,5 - 3,0	9,0	S=5,1-e	8,5	0,4	**343 67** 060 230
	16,25		3,0 - 4,5		S=6,5-e	10,0	0,5	**343 67** 060 040
	16,9	9,6	4,5 - 6,0		S=8,2-e	8,5	0,3	**343 67** 060 060
M8	17,25	12,0	0,5 - 3,0	11,0	S=6,0-e	11,1	0,4	**343 67** 080 230
	18,9	11,8	3,0 - 4,5		S=6,7-e	11,8		**343 67** 080 045
	20,5		4,5 - 6,0		S=8,3-e			**343 67** 080 060
M10	20,75	14,0	0,7 - 3,5	13,0	S=6,5-e	14,0	0,5	**343 67** 100 235
	21,9	13,8	3,0 - 4,5		S=7,5-e		0,4	**343 67** 100 045
	23,5		4,5 - 6,0		S=9,1-e			**343 67** 100 060
M12	25,8	17,0	3,0 - 4,5	16,0	S=7,5-e	17,8	0,5	**343 67** 120 045
	27,4		4,5 - 6,0		S=9,1-e			**343 67** 120 060





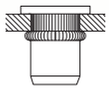
Steel | Thin head | Knurled | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	12,6	5,8	0,7 - 1,5	5,0	S=2,0-e	10,2	0,3	**343 77** 030 015
	14,2		1,5 - 3,0		S=3,6-e			**343 77** 030 030
M4	17,7	6,7	0,5 - 3,0	6,0	S=4,9-e	12,8	0,3	**343 77** 040 030
	16,9	6,6	2,5 - 4,0		S=5,7-e	10,9		**343 77** 040 040
M5	19,85	8,0	0,5 - 3,0	7,0	S=5,3-e	14,5	0,3	**343 77** 050 030
	19,8	7,6	2,5 - 4,0		S=6,0-e	13,5		**343 77** 050 040
M6	21,3	10,0	0,5 - 3,0	9,0	S=5,0-e	16,0	0,6	**343 77** 060 031
	20,3	9,6	3,0 - 4,5		S=6,6-e	13,5	0,3	**343 77** 060 045
	21,9		4,5 - 6,0		S=7,3-e	13,6		**343 77** 060 060
M8	23,3	11,8	0,8 - 3,0	11,0	S=4,8-e	18,0	0,4	**343 77** 080 030
	26,3	12,0	1,0 - 4,0		S=7,4-e	19,0	0,8	**343 77** 080 040
	24,9	11,8	3,0 - 4,5		S=6,7-e	17,8	0,4	**343 77** 080 045
	26,5		4,5 - 6,0		S=8,3-e			**343 77** 080 060
M10	28,3	13,8	0,8 - 3,0	13,0	S=5,5-e	22,3	0,5	**343 77** 100 030
	29,9		3,0 - 4,5		S=7,1-e			**343 77** 100 045
	31,5		4,5 - 6,0		S=8,7-e			**343 77** 100 060
M12	33,2	16,8	0,8 - 3,0	16,0	S=11,5-e	21,1	0,5	**343 77** 120 030
	34,8	17,0	3,0 - 4,5		S=7,9-e	26,4		**343 77** 120 045
	36,4		4,5 - 6,0		S=9,6-e			**343 77** 120 060

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Steel

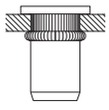




Steel | Flat head | Knurled | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M3	8,8	7,0	0,50 - 1,00	5,0	S=2,0-e	5,8	1,0	**233 07** 030 100
	9,6		1,00 - 1,75		S=2,8-e	6,0		**233 07** 030 175
	10,4		1,75 - 2,50		S=3,4-e			**233 07** 030 250
	11,2		2,50 - 3,25		S=4,1-e	6,1		**233 07** 030 325
M4	11,0	9,0	0,50 - 3,00	6,0	S=4,3-e	5,8	1,0	**233 07** 040 230
	11,6	8,0	2,50 - 3,25		S=4,6-e	6,0		**233 07** 040 325
M5	12,75	10,0	0,50 - 3,00	7,0	S=4,7-e	7,3	1,0	**233 07** 050 230
	14,7		3,00 - 4,00		S=6,0-e	8,0		**233 07** 050 040
M6	14,3	13,0	0,50 - 3,00	9,0	S=5,0-e	8,0	1,5	**233 07** 060 230
	16,9		3,00 - 5,50		S=7,5-e	8,2		**233 07** 060 255
M8	17,7	16,0	0,50 - 3,00	11,0	S=5,5-e	11,0	1,5	**233 07** 080 230
	20,4		3,00 - 5,50		S=8,1-e			**233 07** 080 255
M10	21,8	19,0	0,70 - 3,50	13,0	S=6,1-e	13,9	2,0	**233 07** 100 235
	24,0	16,0	3,00 - 4,50		S=7,4-e	14,6		**233 07** 100 450
	25,6		4,50 - 6,00		S=8,9-e	14,5		**233 07** 100 600





Steel | Flat head | Knurled | Closed

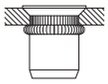
	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M4	15,0	8,0	1,00 - 1,75	6,0	S=3,0-e	11,0	1,0	**233 27** 040 175
	15,8		1,75 - 2,50		S=3,5-e	11,3		**233 27** 040 250
	16,6		2,50 - 3,25		S=4,6-e	11,0		**233 27** 040 325
M5	17,6	9,0	0,50 - 1,00	7,0	S=2,0-e	14,6	1,0	**233 27** 050 100
	18,7		1,00 - 2,00		S=3,1-e			**233 27** 050 200
	19,8		2,00 - 3,00		S=4,2-e			**233 27** 050 300
	21,0		3,00 - 4,00		S=5,3-e	14,7		**233 27** 050 400
M6	21,5	13,0	0,50 - 3,00	9,0	S=4,5-e	15,0	1,5	**233 27** 060 030
	25,2	11,0	3,00 - 4,50		S=5,3-e	18,4		**233 27** 060 450
M8	26,5	14,0	2,00 - 3,50	11,0	S=5,5-e	19,5	1,5	**233 27** 080 350
	27,8		3,50 - 5,00		S=7,6-e	18,7		**233 27** 080 500
M10	32,3	16,0	1,50 - 3,00	13,0	S=6,0-e	25,0	2,0	**233 27** 100 300

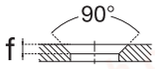
chanhvinh.com

BÖLLHOFF

RIVKLE® – Standard blind rivet nuts - Steel



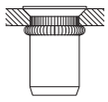


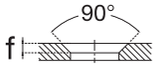


Steel | Countersunk head | Knurled | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	f (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	8,8	6,6	1,00 - 1,75	5,0	1,0	S=2,8-e	5,9	0,1	**233 17** 030 175
	9,6	7,0	1,75 - 2,50		1,2	S=3,5-e	6,0		**233 17** 030 250
	10,4		2,50 - 3,25			S=4,3-e			**233 17** 030 325
M4	9,2	8,0	1,00 - 1,75	6,0	1,0	S=2,8-e	6,3	0,1	**233 17** 040 175
	10,0		1,75 - 2,50		1,2	S=3,6-e			**233 17** 040 250
	10,8		2,50 - 3,25			S=4,3-e	6,4		**233 17** 040 325
M5	11,6	8,5	1,00 - 2,00	7,0	1,0	S=3,8-e	8,5	0,1	**233 17** 050 200
	12,7	9,0	1,50 - 3,00		1,4	S=3,8-e			**233 17** 050 300
	13,8		3,00 - 4,00			S=5,2-e			**233 17** 050 400
	14,9		4,00 - 5,00			S=6,3-e			**233 17** 050 500
M6	15,0	10,6	1,50 - 3,00	9,0	1,2	S=5,0-e	10,0	0,1	**233 17** 060 300
	16,6		3,00 - 4,50		1,5	S=6,5-e			**233 17** 060 450
	18,2		4,50 - 6,00			S=8,0-e			**233 17** 060 600
	19,8	11,0	6,00 - 7,50			S=9,4-e	10,3		**233 17** 060 750
M8	16,5	12,6	1,50 - 3,00	11,0	1,4	S=6,0-e	11,5	0,1	**233 17** 080 300
	18,1	13,6	3,00 - 4,50		2,0	S=7,5-e			**233 17** 080 450
	19,7	14,0	4,50 - 6,00			S=8,6-e	11,0		**233 17** 080 600
M10	20,4	15,0	1,50 - 3,00	13,0	1,4	S=5,7-e	14,6	0,1	**233 17** 100 300
	22,0	16,0	3,00 - 4,50		2,0	S=7,3-e			**233 17** 100 450
	23,6		4,50 - 6,00			S=8,9-e			**233 17** 100 600







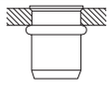
Steel | Countersunk head | Knurled | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	f (mm)	S (mm)	L2 (mm)	E max (mm)	
M4	14,2	8,0	1,00 - 1,75	6,0	1,0	S=2,8-e	11,3	0,1	**233 37** 040 175
	15,0		1,75 - 2,50		1,2	S=3,6-e			**233 37** 040 250
	15,8		2,50 - 3,25			S=4,7-e	11,5		**233 37** 040 325
M5	17,7	8,5	1,00 - 2,00	7,0	1,0	S=3,0-e	14,6	0,1	**233 37** 050 200
	18,8	9,0	2,00 - 3,00		1,4	S=4,1-e			**233 37** 050 300
	21,0		3,00 - 5,00		1,4	S=6,3-e			**233 37** 050 500
M6	22,0	11,0	1,50 - 3,00	9,0	1,2	S=4,6-e	17,3	0,1	**233 37** 060 300
	23,6		3,00 - 4,50		1,5	S=6,2-e			**233 37** 060 450
	25,2		4,50 - 6,00			S=7,8-e			**233 37** 060 600
	26,8		6,00 - 7,50			S=9,4-e			**233 37** 060 750
M8	24,8	12,6	1,50 - 3,00	11,0	1,4	S=6,0-e	19,8	0,1	**233 37** 080 300
	26,4	14,0	3,00 - 4,50		2,0	S=7,0-e	19,3		**233 37** 080 450
	28,0		4,50 - 6,00			S=8,6-e			**233 37** 080 600
	29,6		6,00 - 7,50			S=10,2-e			**233 37** 080 750
M10	30,3	15,0	1,50 - 3,00	13,0	1,4	S=4,3-e	24,5	0,1	**233 37** 100 300
	31,9	16,0	3,00 - 4,50		2,0	S=5,3-e			**233 37** 100 450
	33,5		4,50 - 6,00			S=8,9-e			**233 37** 100 600

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Steel



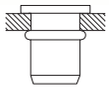


Steel | Thin head | Plain | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	8,4	5,2	0,5 - 1,5	4,7	S=2,8-e	5,5	0,4	**343 01** 030 150
M4	10,2	6,9	0,5 - 2,0	6,4	S=3,5-e	7,3	0,5	**343 01** 040 150
M5	11,25	7,6	0,5 - 3,0	7,1	S=4,5-e	7,3	0,6	**343 01** 050 150
M6	14,3	10,35	0,7 - 3,0	9,5	S=5,5-e	9,3	0,6	**343 01** 060 200
M8	16,6	11,5	0,8 - 4,5	10,5	S=7,5-e	9,6	0,7	**343 01** 080 450

inch For holes with imperial dimensions





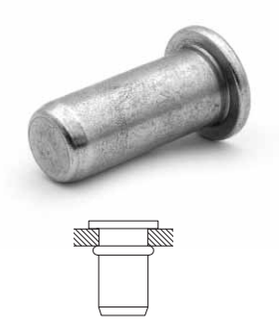
Steel | Flat head | Plain | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M3	8,3	7,5	0,5 - 1,0	5,0	S=2,1-e	5,2	1,0	**233 01** 030 010
	8,7		1,0 - 1,5		S=3,2-e	4,8		**233 01** 030 015
	9,7		1,5 - 3,0		S=4,2-e			**233 01** 030 030
	11,2		3,0 - 4,5		S=5,8-e	4,4		**233 01** 030 045
	12,9	7,4	4,5 - 6,0		S=7,2-e	4,7		**233 01** 030 060
M4	9,7	9,0	0,5 - 1,0	6,0	S=2,6-e	5,4	1,0	**233 01** 040 010
	10,2		0,5 - 2,0		S=3,6-e			**233 01** 040 020
	11,8		2,0 - 4,0		S=5,6-e	5,6		**233 01** 040 040
	13,8		4,0 - 6,0		S=7,5-e	5,3		**233 01** 040 060
M5	13,75	10,0	0,5 - 3,0	7,0	S=5,0-e	8,0	1,0	**233 01** 050 030
	16,7		3,0 - 5,5		S=7,5-e			**233 01** 050 055
	19,8		5,5 - 8,0		S=9,7-e	9,1		**233 01** 050 080
M6	15,8	13,0	0,5 - 3,0	9,0	S=5,2-e	10,0	1,5	**233 01** 060 030
	18,7		3,0 - 5,5		S=7,9-e	9,3		**233 01** 060 055
	21,7		5,5 - 8,0		S=10,2-e	10,0		**233 01** 060 080
M8	17,8	16,0	0,5 - 3,0	11,0	S=5,7-e	11,0	1,5	**233 01** 080 030
	20,8		3,0 - 5,5		S=8,2-e			**233 01** 080 055
	23,8		5,5 - 8,0		S=10,6-e	11,7		**233 01** 080 080
	26,8		8,0 - 10,5		S=13,5-e	11,8		**233 01** 080 105
M10	22,75	19,0	1,0 - 3,5	13,0	S=6,5-e	15,0	2,0	**233 01** 100 035
	25,75		3,5 - 6,0		S=9,0-e			**233 01** 100 060
	27,75		6,0 - 8,5		S=11,5-e			**233 01** 100 085
	31,8		8,5 - 11,0		S=14,0-e			**233 01** 100 110
M12	26,7	23,0	1,0 - 4,0	16,0	S=7,7-e	17,1	2,0	**233 01** 120 040
	29,7		4,0 - 7,0		S=10,7-e	17,5		**233 01** 120 070
	34,8		7,0 - 10,0		S=13,7-e			**233 01** 120 100
M14	35,5	24,0	4,5 - 6,0	18,0	S=9,8-e	23,2	2,5	**233 01** 140 600

chanhvinh.com

BÖLLHOFF

RIVKLE® – Standard blind rivet nuts - Steel



Steel | Flat head | Plain | Closed

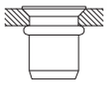
d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M3	14,3	7,5	1,5 - 3,0	5,0	S=4,1-e	9,2	1,0	**233 21** 030 030
M4	15,25	9,0	1,0 - 2,0	6,0	S=5,2-e	10,4	1,0	**233 21** 040 020
	16,75		2,0 - 4,0		S=5,6-e			**233 21** 040 040
	18,8		4,0 - 6,0		S=7,6-e	10,3		**233 21** 040 060
M5	19,7	10,0	0,5 - 3,0	7,0	S=5,0-e	14,0	1,0	**233 21** 050 030
	22,7		3,0 - 5,5		S=7,5-e			**233 21** 050 055
	25,7		5,5 - 8,0		S=9,6-e	15,1		**233 21** 050 080
M6	22,7	13,0	0,5 - 3,0	9,0	S=4,9-e	16,3	1,5	**233 21** 060 030
	25,7		3,0 - 5,5		S=7,7-e	17,0		**233 21** 060 055
	28,7		5,5 - 8,0		S=10,2-e			**233 21** 060 080
M8	25,7	16,0	0,5 - 3,0	11,0	S=5,7-e	19,0	1,5	**233 21** 080 030
	28,7		3,0 - 5,5		S=8,2-e			**233 21** 080 055
	31,7		5,5 - 8,0		S=10,7-e			**233 21** 080 080
	34,8		8,0 - 10,5		S=12,9-e	20,4		**233 21** 080 105
M10	32,7	19,0	1,0 - 3,5	13,0	S=6,5-e	25,0	2,0	**233 21** 100 035
	35,8		3,5 - 6,0		S=8,4-e	25,4		**233 21** 100 060
	38,8		6,0 - 8,5		S=11,2-e	25,6		**233 21** 100 085
M12	38,8	23,0	1,0 - 4,0	16,0	S=7,2-e	29,6	2,0	**233 21** 120 040
	41,8		4,0 - 7,0		S=10,4-e	29,4		**233 21** 120 070

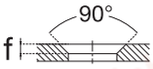
chanhvinh.com

BÖLLHOFF

RIVKLE® – Standard blind rivet nuts - Steel





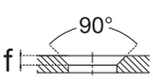


Steel | Countersunk head | Plain | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	f (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	8,3	6,6	1,0 - 1,5	5,0	0,9	S=2,8-e	5,4	1,0	**233 11** 030 015
	8,8		1,5 - 3,0		1,3	S=4,3-e	4,8	1,4	**233 11** 030 030
	10,3		3,0 - 4,5			S=4,9-e	4,7		**233 11** 030 045
M4	9,8	7,2	1,0 - 2,0	6,0	0,9	S=3,7-e	5,4	0,1	**233 11** 040 020
	10,4	7,8	2,0 - 3,0		1,3	S=4,7-e			**233 11** 040 030
	11,8		3,0 - 5,0			S=6,6-e			**233 11** 040 050
	13,8	8,0	5,0 - 7,0			S=8,4-e	5,3		**233 11** 040 070
M5	13,7	9,2	1,5 - 4,0	7,0	1,5	S=6,5-e	8,0	0,1	**233 11** 050 040
	16,7	9,6	4,0 - 6,5			S=8,1e	8,6		**233 11** 050 065
	19,8		6,5 - 9,0			S=10,7-e	9,0		**233 11** 050 090
M6	15,7	11,3	1,5 - 4,0	9,0	1,5	S=6,2-e	10,0	0,1	**233 11** 060 040
	20,3		4,0 - 6,5			S=8,7-e			**233 11** 060 065
	21,8	11,7	6,5 - 9,0			S=10,4-e	11,4		**233 11** 060 090
M8	17,8	13,1	1,5 - 4,0	11,0	1,5	S=7,0-e	11,0	0,1	**233 11** 080 040
	20,8		4,0 - 6,5			S=9,5-e			**233 11** 080 065
	23,75		6,5 - 9,0			S=12,0-e			**233 11** 080 090
M10	21,8	15,1	1,5 - 4,0	13,0	1,5	S=8,4-e	15,0	0,1	**233 11** 100 040
	24,75		4,0 - 6,5			S=8,4-e			**233 11** 100 065
	28,0	15,5	6,5 - 9,0			S=11,5-e	14,8		**233 11** 100 090
M12	25,9	19,0	1,7 - 4,5	16,0	1,7	S=8,2-e	17,5	0,1	**233 11** 120 045
	29,0		4,5 - 7,5			S=9,7-e			**233 11** 120 075
	31,8		7,5 - 10,5			S=13,7-e	18,0		**233 11** 120 105







Steel | Countersunk head | Plain | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	f (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	13,5	6,6	1,0 - 1,5	5,0	0,9	S=2,8-e	10,0	0,1	**233 31** 030 015
	14,2	6,6	1,5 - 3,0		1,3	S=4,3-e	8,8		**233 31** 030 030
M4	15,8	7,5	1,0 - 2,0	6,0	0,9	S=2,8-e	11,9	0,1	**233 31** 040 020
	16,7	7,8	2,0 - 3,0		1,3	S=4,7-e	10,1		**233 31** 040 030
	18,2	8,0	3,0 - 5,0			S=6,3-e	10,4		**233 31** 040 050
	20,2		5,0 - 7,0			S=8,4-e	10,3		**233 31** 040 070
M5	21,3	9,2	1,5 - 4,0	7,0	1,5	S=6,5-e	14,0	0,1	**233 31** 050 040
	24,4	9,6	4,0 - 6,5			S=8,1-e	14,6		**233 31** 050 065
	25,9		6,5 - 9,0			S=10,7-e	15,1		**233 31** 050 090
M6	22,7	11,3	1,5 - 4,0	9,0	1,5	S=6,2-e	17,0	0,1	**233 31** 060 040
	27,3		4,0 - 6,5			S=8,7-e			**233 31** 060 065
	28,8	11,7	6,5 - 9,0			S=10,5-e	19,4		**233 31** 060 090
M8	25,7	13,1	1,5 - 4,0	11,0	1,5	S=7,0-e	19,0	0,1	**233 31** 080 040
	28,8		4,0 - 6,5			S=7,0-e			**233 31** 080 065
	31,8	13,5	6,5 - 9,0			S=11,3-e	20,4		**233 31** 080 090
M10	31,8	15,5	1,5 - 4,0	13,0	1,5	S=6,3-e	25,4	0,1	**233 31** 100 040
	34,0		4,0 - 6,5			S=8,9-e	25,8		**233 31** 100 065
	38,0		6,5 - 9,0			S=12,3-e			**233 31** 100 090
M12	37,8	19,0	1,7 - 4,5	16,0	1,7	S=7,2-e	30,5	0,1	**233 31** 120 045
	40,8		4,5 - 7,5			S=10,4e	30,3		**233 31** 120 075
	43,8		7,5 - 10,5			S=13,4-e			**233 31** 120 105

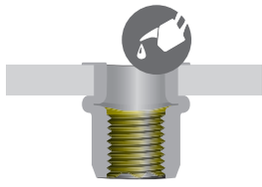
chanhvinh.com

BÖLLHOFF

RIVKLE® – Standard blind rivet nuts - Stainless steel

Industrial markets are constantly changing, bringing new applications and new customer needs.
In order to support our customers and answer at best to their needs, Böllhoff has renewed and developed a dedicated stainless steel range.

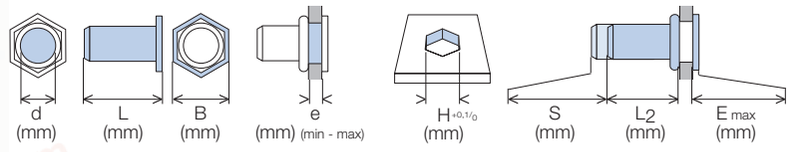
RIVKLE® Stainless steel - Lubricated range



The lubricated range is based on standard products on which a lubricant has been applied to limit galling issues.
Customers don't need anymore to add manually any lubricant product (paste, spray, oil…).



Stainless steel | Thin head | Semi-hexagonal | Open

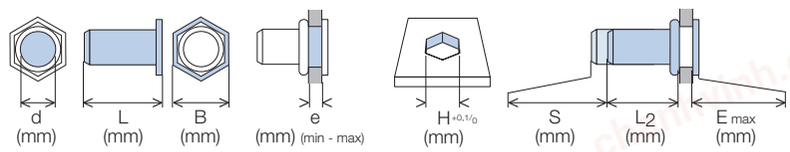


	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E max (mm)		
M3	8,6	5,8	1,0 - 2,3	5,0	S=3,8-e	4,5	0,4	**343 98** 030 590	
	9,5		2,3 - 3,2		S=4,7-e			**343 98** 030 591	
M4	10,4	6,7	0,5 - 2,0	6,0	S=3,1-e	6,8	0,4	**343 48** 040 020*	**343 49** 040 506*
	11,3		0,8 - 3,0		S=4,2-e		0,3	**343 48** 040 030*	**343 49** 040 507*
	11,7	7,0	3,0 - 4,2		S=5,8-e	6,0	0,4	**343 98** 040 629*	
M5	12,0	7,8	0,5 - 3,0	7,0	S=4,4-e	7,0	0,45	**343 48** 050 020*	**343 49** 050 538*
	12,8	8,9	3,0 - 4,5		S=6,5-e	6,5	0,4	**343 98** 050 629	
M6	14,5	9,8	0,5 - 3,0	9,0	S=4,2-e	9,7	0,45	**343 48** 060 025	
	14,3	9,7					0,3	**343 98** 060 624*	**343 98** 060 637*
	16,5	10,2	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	0,5	**343 98** 060 630	
M8	15,8	12,5	0,5 - 3,0	11,0	S=4,7-e	10,4		**343 48** 080 030*	**343 98** 080 631*
	17,1		1,5 - 5,0		S=7,0-e	10,2	0,3	**343 98** 080 625*	
M10	19,4	14,2	1,0 - 3,5	13,0	S=7,0-e	12,0	0,7	**343 48** 100 035	**343 49** 100 501
	21,5	14,4	2,5 - 5,5		S=9,1-e	12,5	0,65	**343 98** 100 691	
M12	23,5	17,4	1,0 - 4,5	16,0	S=8,5-e	15,0	0,7	**343 98** 120 501	

*Extra-flat thin head



Stainless steel | Thin head | Semi-hexagonal | Closed



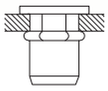
	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E max (mm)		
M3	13,3	5,8	1,0 - 2,3	5,0	S=3,8-e	9,0	0,4	**343 98** 030 592	
	14,2		2,3 - 3,2		S=4,7-e			**343 98** 030 593	
M4	15,4	6,7	0,5 - 2,5	6,0	S=3,8-e	11,5	0,4	**343 58** 040 025*	**343 59** 040 505*
	17,3	7,8	3,0 - 4,2		S=5,8-e			**343 98** 040 630	
M5	17,4	7,8	0,5 - 3,0	7,0	S=4,4-e	12,5	0,45	**343 58** 050 020*	**343 59** 050 505*
	20,3		3,0 - 4,5		S=6,5-e	13,4	0,5	**343 98** 050 683	
M6	20,5	9,8	0,5 - 3,0	9,0	S=4,1-e	15,0	0,6	**343 58** 060 030	**343 59** 060 587
	23,0	10,2	3,0 - 5,5		S=7,4-e	15,2	0,45	**343 58** 060 055*	
M8	26,6	12,5	1,5 - 5,0	11,0	S=7,0-e	19,0	0,3	**343 98** 080 629	
M10	29,3	15,6	1,0 - 3,5	13,0	S=7,0-e	22,0	0,65	**343 98** 100 692	
	31,3		2,5 - 5,5		S=9,0-e			**343 98** 100 693	
M12	34,0	18,9	1,0 - 4,5	16,0	S=8,5-e	26,4	0,7	**343 98** 120 502	

*Extra-flat thin head

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Stainless steel





Stainless steel | Flat head | Semi-hexagonal | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E (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			**233 48** 030 030	
M4	12,0	9,0	0,5 - 2,0	6,0	S=3,5-e	5,4	1,0	**233 48** 040 020	
	12,1	8,0	2,0 - 3,5		S=5,5-e	6,0	0,7	**233 48** 040 040	
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	9,0	2,0 - 4,0		S=4,8-e	7,5		**233 48** 050 040	
M6	15,8	12,0	0,5 - 3,0	9,0	S=4,0-e	9,7	1,5	**233 48** 060 001	**233 49** 060 509
	16,0	11,0	3,0 - 4,5		S=7,1-e	9,0	1,4	**233 48** 060 045	
M8	16,5	14,0	0,5 - 3,0	11,0	S=5,4-e	9,6	1,5	**233 48** 080 001	**233 49** 080 546
	18,5		3,0 - 5,5		S=7,4-e			**233 48** 080 002	
M10	21,0	17,0	1,0 - 3,5	13,1	S=6,5-e	13,7	2,0	**233 48** 100 035	
	22,7	16,0	3,5 - 5,5	13,0	S=9,4-e	12,0	1,8	**233 48** 100 055	
M12	24,2	20,0	1,0 - 4,5	16,0	S=8,5-e	15,0	1,8	**233 48** 120 045	





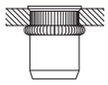
Stainless steel | Flat head | Semi-hexagonal | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M3	12,7	7,0	1,1 - 2,3	5,0	S=3,8-e	9,2	0,7	**233 58** 030 023
	14,3		2,3 - 3,0		S=4,5-e	9,5		**233 58** 030 030
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			**233 58** 040 040
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	13,5	0,8	**233 58** 050 040
M6	22,2	11,0	0,5 - 3,0	9,0	S=5,6-e	15,5	1,4	**233 58** 060 030
	23,7		3,0 - 4,5		S=7,1-e			**233 58** 060 045
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	18,0	1,4	**233 58** 080 055
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			**233 58** 100 055
M12	35,0	20,0	1,0 - 4,5	16,0	S=8,5-e	29,5	1,8	**233 58** 120 045

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Stainless steel

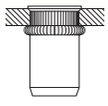




Stainless steel | Thin head | Knurled | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +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		2,0 - 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		2,5 - 4,2		S=4,6-e	6,6	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	8,2	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	9,6	0,45	**343 66** 060 055
	17,0		4,5 - 6,0		S=7,9-e	8,7	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	**343 66** 080 060
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	17,0	0,8 - 1,5	16,0	S=3,8-e	17,2	0,4	**343 66** 120 015
	23,1	17,5	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





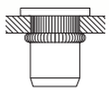
Stainless steel | Thin head | Knurled | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +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		2,0 - 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	11,9	0,3	**343 76** 040 035
	17,5		2,5 - 4,2		S=4,7-e			**343 76** 040 042
M5	17,8	8,0	0,8 - 2,0	7,0	S=3,2-e	14,2	0,3	**343 76** 050 020
	18,9		2,0 - 3,0		S=4,3-e			**343 76** 050 030
	20,5		3,0 - 4,5		S=5,4-e			**343 76** 050 045
M6	17,3	10,0	0,8 - 1,5	9,0	S=3,1-e	13,7	0,4	**343 76** 060 015
	19,4		0,5 - 3,0		S=4,7-e	14,0		**343 76** 060 030
	20,4		3,0 - 4,5		S=6,3-e	13,6		**343 76** 060 045
	22,0		4,5 - 6,0		S=7,9-e			**343 76** 060 060
M8	20,3	12,0	0,8 - 1,5	11,0	S=3,1-e	16,7	0,4	**343 76** 080 015
	21,9		1,5 - 3,0		S=4,7-e			**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
M10	26,3	14,0	0,8 - 1,5	13,0	S=3,9-e	21,9	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	17,0	0,8 - 1,5	16,0	S=3,8-e	26,2	0,4	**343 76** 120 015
	32,1	17,5	1,5 - 3,0		S=3,8-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

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Stainless steel

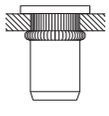




Stainless steel | Flat head | Knurled | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (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		2,0 - 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		2,5 - 4,2		S=4,7-e	6,0		**233 06** 040 042	
M5	12,7	9,0	0,7 - 3,3	7,0	S=5,3-e	7,2	1,0	**233 06** 050 233	**233 09** 050 501
	14,9		3,0 - 4,5		S=5,4-e	7,8		**233 06** 050 045	
M6	15,2	12,0	0,7 - 3,3	9,0	S=5,7-e	8,6	1,5	**233 06** 060 233	**233 09** 060 501
	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	**233 09** 080 501
	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		**233 06** 080 060	
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	
	24,6		4,5 - 6,0		S=8,7-e			**233 06** 100 060	
M12	23,0	20,0	0,8 - 1,5	16,0	S=3,8-e	17,2	2,0	**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

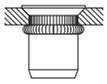
	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M3	13,6	7,0	0,7 - 1,5	5,0	S=2,4-e	10,2	1,0	**233 26** 030 015
	14,7		1,5 - 2,5		S=3,5-e			**233 26** 030 025
	15,4		2,3 - 3,2		S=4,4-e	10,1		**233 26** 030 032
M4	14,8	8,0	0,7 - 1,5	6,0	S=2,6-e	11,2	1,0	**233 26** 040 015
	16,2		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
	17,5		2,5 - 4,2		S=5,5-e			**233 26** 040 042
M5	17,8	9,0	0,7 - 1,5	7,0	S=2,8-e	14,0	1,0	**233 26** 050 015
	19,3		1,5 - 3,0		S=4,5-e			**233 26** 050 030
	20,4		3,0 - 4,0		S=5,6-e	13,8		**233 26** 050 040
M6	18,3	11,0	0,8 - 1,5	9,0	S=3,1-e	13,7	1,5	**233 26** 060 015
	19,8		1,5 - 3,0		S=4,7-e			**233 26** 060 030
	21,4		3,0 - 4,5		S=6,3-e			**233 26** 060 045
	23,2		4,5 - 6,0		S=7,9-e			**233 26** 060 060
M8	21,3	14,0	0,8 - 1,5	11,0	S=3,2-e	16,6	1,5	**233 26** 080 015
	22,8		1,5 - 3,0		S=4,7-e			**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
M10	27,8	16,0	0,8 - 1,5	13,0	S=3,9-e	21,9	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

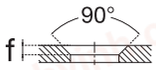
chanhvinh.com

BÖLLHOFF

RIVKLE® – Standard blind rivet nuts - Stainless steel



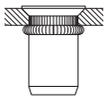


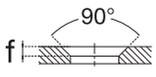


Stainless steel | Countersunk head | Knurled | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	f (mm)	S (mm)	L2 (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	**233 16** 030 020
	9,9			2,0 - 3,0			S=4,0-e			**233 16** 030 030
M4	9,3	8,0		1,3 - 2,0	6,0	0,9	S=3,1-e	6,2	0,1	**233 16** 040 020
	10,3			2,0 - 3,0			S=4,1-e			**233 16** 040 030
	11,4			3,0 - 4,0			S=6,5-e			**233 16** 040 040
M5	11,3	9,0		1,5 - 2,0	7,0	0,9	S=3,4-e	7,8	0,1	**233 16** 050 020
	12,3			2,0 - 3,0			S=4,5-e			**233 16** 050 030
	13,4			3,0 - 4,0			S=5,6-e			**233 16** 050 040
M6	14,3	10,9		3,0 - 4,0	9,0	0,9	S=4,7-e	8,6	0,1	**233 16** 060 040
	15,4	11,0		4,0 - 5,0			S=6,9-e			**233 16** 060 050
	16,5			5,0 - 6,0			S=8,0-e			**233 16** 060 060
M8	15,3	14,0		1,5 - 3,0	11,0	1,4	S=4,7-e	10,6	0,1	**233 16** 080 030
	16,3			3,0 - 4,0			S=5,8-e			**233 16** 080 040
	17,4			4,0 - 5,0			S=6,9-e			**233 16** 080 050
	18,5			5,0 - 6,0			S=8,0-e			**233 16** 080 060
M10	19,4	16,0		1,5 - 3,0	13,0	1,4	S=5,5-e	13,9	0,1	**233 16** 100 030
	21,0			3,0 - 4,5			S=7,1-e			**233 16** 100 045
	22,6			4,5 - 6,0			S=8,7-e			**233 16** 100 060
M12	22,6	19,0		1,5 - 3,0	16,0	1,4	S=5,4-e	17,2	0,1	**233 16** 120 030
	24,2			3,0 - 4,5			S=7,0-e			**233 16** 120 045
	25,8			4,5 - 6,0			S=8,6-e			**233 16** 120 060







Stainless steel | Countersunk head | Knurled | Closed

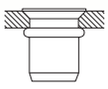
	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	f (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	13,1	7,0		1,3 - 2,0	5,0	0,9	S=2,9-e	10,2	0,1	**233 36** 030 020
	14,2			2,0 - 3,0			S=4,0-e			**233 36** 030 030
M4	14,3	8,0		1,3 - 2,0	6,0	0,9	S=3,1-e	11,2	0,1	**233 36** 040 020
	15,3			2,0 - 3,0			S=4,1-e			**233 36** 040 030
	16,4			3,0 - 4,0			S=6,5-e			**233 36** 040 040
M5	17,3	9,0		1,5 - 2,0	7,0	0,9	S=3,4-e	13,9	0,1	**233 36** 050 020
	18,3			2,0 - 3,0			S=4,5-e			**233 36** 050 030
	19,4			3,0 - 4,0			S=5,6-e			**233 36** 050 040
M6	18,3	11,0		1,5 - 3,0	9,0	0,9	S=4,7-e	13,6	0,1	**233 36** 060 030
	19,3			3,0 - 4,0			S=5,8-e			**233 36** 060 040
	20,4			4,0 - 5,0			S=6,9-e			**233 36** 060 050
	21,5			5,0 - 6,0			S=8,0-e			**233 36** 060 060
M8	21,3	14,0		1,5 - 3,0	11,0	1,4	S=4,8-e	16,5	0,1	**233 36** 080 030
	22,3			3,0 - 4,0			S=5,8-e			**233 36** 080 040
	23,4			4,0 - 5,0			S=6,9-e			**233 36** 080 050
	24,5			5,0 - 6,0			S=8,0-e			**233 36** 080 060
M10	29,0	16,0		3,0 - 4,5	13,0	1,4	S=7,1-e	21,9	0,1	**233 36** 100 045
	30,6			4,5 - 6,0			S=8,7-e			**233 36** 100 060

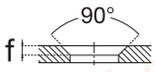
chanhvinh.com

BÖLLHOFF

RIVKLE® – Standard blind rivet nuts - Stainless steel



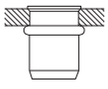




Stainless steel | Countersunk head | Plain | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	f (mm)	S (mm)	L2 (mm)	E max (mm)	
M4	11,3	7,6	1,30 - 2,50	6,0	1,3	S=4,4-e	6,8	0,1	**233 18** 040 250
	10,8	8,0	1,75 - 3,25			S=5,3-e	5,4		**233 18** 040 325
M5	12,5	9,2	1,50 - 3,00	7,0	1,5	S=4,0-e	8,5	0,1	**233 18** 050 300
	13,8	9,6	3,00 - 4,00			S=5,4-e	8,4		**233 18** 050 400
M6	14,8	11,3	1,50 - 3,00	9,0	1,5	S=4,9-e	9,5	0,1	**233 18** 060 300
	16,6	11,5	3,00 - 4,50			S=7,1-e	9,4		**233 18** 060 450
	18,0		4,50 - 6,00			S=5,4-e	11,2		**233 18** 060 600
M8	16,3	13,1	1,50 - 3,00	11,0	1,5	S=5,0-e	10,5	0,1	**233 18** 080 300
	18,1	13,5	3,00 - 4,50			S=5,9-e	11,1		**233 18** 080 450
	19,7		4,50 - 6,00			S=8,2-e	11,4		**233 18** 080 600
M10	20,2	15,5	1,50 - 3,00	13,0	1,5	S=5,2-e	14,7	0,1	**233 18** 100 300
	21,8		3,00 - 4,50			S=7,1-e			**233 18** 100 450
	23,4		4,50 - 6,00			S=8,7-e			**233 18** 100 600



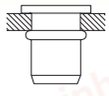


Stainless steel | Thin head | Plain | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +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	**343 08** 030 150
M4	10,4	7,0	0,5 - 2,0	6,4	S=3,5-e	7,3	0,5	**343 08** 040 200
M5	11,6	7,7	0,5 - 3,0	7,1	S=5,0-e	7,3	0,6	**343 08** 050 300
M6	14,3	10,2	0,7 - 3,0	9,5	S=5,5-e	9,3	0,6	**343 08** 060 300
M8	16,35	11,3	0,7 - 3,0	10,5	S=6,1-e	10,5	0,7	**343 08** 080 300

inch For holes with imperial dimensions





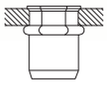
Stainless steel | Flat head | Plain | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M4	12,0	9,0	0,5 - 2,0	6,0	S=3,5-e	7,8	1,0	**233 08** 040 020
	13,5		2,0 - 3,5		S=5,2-e			**233 08** 040 035
M5	12,5	10,0	0,5 - 3,0	7,0	S=4,7-e		1,0	**233 08** 050 030
	14,3	9,0	3,0 - 4,0		S=5,6-e	7,7		**233 08** 050 400
M6	16,0	12,0	0,5 - 3,0	9,0	S=6,0-e	10,0	1,5	**233 08** 060 300
	18,0		3,0 - 5,0		S=7,75-e	7,8		**233 08** 060 450
M8	16,5	14,0	0,8 - 3,0	11,0	S=4,7-e	9,5	1,5	**233 08** 080 300
	19,4		3,0 - 4,5		S=7,0-e	10,9		**233 08** 080 450
M10	22,4	16,0	1,0 - 3,0	13,0	S=5,6-e	14,9	2,0	**233 08** 100 300
	24,0		3,0 - 4,5		S=7,2-e	15,1		**233 08** 100 450
	25,6		4,5 - 6,0		S=8,8-e	14,9		**233 08** 100 600

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Stainless steel A4

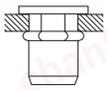




Stainless steel A4 | Thin head | Semi-hexagonal | Open

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +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	9,7		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

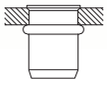




Stainless steel A4 | Flat head | Semi-hexagonal | Open

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	N	L2 max (mm)	E (mm)	
M4	11,0	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 | Plain | Open

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	N	L2 max (mm)	E max (mm)	
M5	12,0	7,5	0,5 - 3,0	7,0	12 000	7,2	0,4	**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





Stainless steel A4 | Thin head | Plain | Closed

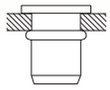
d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	N	L2 max (mm)	E max (mm)	
M4	15,5	6,5	0,5 - 2,0	6,0	9 500	11,6	0,5	**343 74** 040 020
M5	18,0	7,5	0,5 - 3,0	7,0	12 000	13,2		**343 74** 050 030
M6	21,5	9,5		9,0	15 000	16,7		**343 74** 060 030
M8	24,0	11,5		11,0	20 000	19,2		**343 74** 080 030

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

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Stainless steel A4





Stainless steel A4 | Thin head | Plain | Open

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	N	L2 max (mm)	E (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	0,5 - 3,0	7,0	12 000	7,5	1,0	**233 04** 050 030
M6	16,0	12,0	0,5 - 3,0	9,0	15 000	10,0	1,5	**233 04** 060 030
M8	17,5	15,0	0,5 - 3,0	11,0	20 000	11,2	1,5	**233 04** 080 030





Stainless steel A4 | Thin head | Plain | Closed

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	N	L2 max (mm)	E (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	0,5 - 3,0	7,0	12 000	13,2	1,0	**233 24** 050 030
M6	23,0	12,0	0,5 - 3,0	9,0	15 000	17,0	1,5	**233 24** 060 030
M8	25,0	15,0	0,5 - 3,0	11,0	20 000	18,7	1,5	**233 24** 080 030

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

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Aluminium



Aluminium | Thin head | Plain | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M3	10,5	8,0	0,50 - 2,00	5,0	S=3,2-e	5,4	0,75	**233 00** 030 020
	10,75	7,5	2,00 - 3,50		S=4,3-e		1,0	**233 00** 030 035
M4	11,0	9,0	0,25 - 2,50	6,0	S=4,1-e	6,3	1,0	**233 00** 040 025
	13,0	10,0	3,00 - 4,50		S=5,9-e	6,4	0,75	**233 00** 040 046
M5	13,6	10,0	0,50 - 3,00	7,0	S=4,5-e	7,8	1,0	**233 00** 050 030
	16,0	11,0	3,00 - 5,50		S=6,7-e	8,3		**233 00** 050 056
M6	16,6	13,0	0,50 - 3,00	9,0	S=5,0-e	10,4	1,5	**233 00** 060 030
	18,0		3,00 - 5,50		S=6,8-e	9,7		**233 00** 060 056
M8	20,0	16,0	0,50 - 3,00	11,0	S=5,8-e	12,7	1,5	**233 00** 080 030
	20,0		3,00 - 5,50		S=7,2-e	11,3		**233 00** 080 056
M10	25,0	19,0	0,80 - 3,50	13,0	S=6,2-e	16,8	2,0	**233 00** 100 035
	27,7		3,50 - 6,00		S=8,7-e	17,0		**233 00** 100 060





Aluminium | Thin head | Plain | Closed

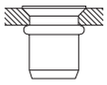
	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M3	13,5	7,5	0,25 - 2,00	5,0	S=3,0-e	9,3	1,0	**233 20** 030 020
	15,1		2,00 - 3,50		S=4,3-e	9,8		**233 20** 030 035
M4	15,5	10,0	0,50 - 3,00	6,0	S=4,0-e	10,8	0,75	**233 20** 040 030
	18,1	9,0	2,50 - 4,50		S=5,6-e	11,5	1,0	**233 20** 040 045
M5	19,0	11,0	0,50 - 3,00	7,0	S=4,5-e	13,5	1,0	**233 20** 050 031
	21,9	10,0	3,00 - 5,50		S=6,9-e	14,0		**233 20** 050 055
M6	23,0	13,0	0,50 - 3,00	9,0	S=4,5-e	17,3	1,5	**233 20** 060 031
	26,3		3,00 - 5,50		S=7,7-e	17,1		**233 20** 060 055
M8	24,0	16,0	0,50 - 3,00	11,0	S=4,5-e	18,0	1,5	**233 20** 080 031
	31,0		3,00 - 5,50		S=8,5-e	21,0		**233 20** 080 055
M10	37,5	19,0	3,50 - 6,00	13,0	S=9,0-e	26,5	2,0	**233 20** 100 060

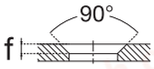
If you need aluminium blind rivet nuts with high mechanical strength, a **RIVKLE® HRT** version is available.
See page 41.

chanhvinh.com

RIVKLE® – Standard blind rivet nuts - Aluminium





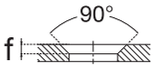


Aluminium | Countersunk head | Plain | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	f (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	10,2	7,2	1,3 - 3,5	5,0	1,3	S=4,0-e	6,1	0,1	**233 10** 030 035
	11,8		3,5 - 5,0			S=6,0-e	5,7		**233 10** 030 050
M4	11,5	9,0	1,7 - 3,5	6,0	1,5	S=4,4-e	6,7	0,1	**233 10** 040 036
	12,8	8,2	3,5 - 5,0		1,3	S=6,0-e			**233 10** 040 050
M5	13,0	10,0	1,0 - 4,0	7,0	0,9	S=5,5-e	7,8	0,1	**233 10** 050 040
	16,3	9,6	4,0 - 6,5		1,5	S=7,7-e	8,5		**233 10** 050 065
M6	17,0	12,0	1,7 - 4,5	9,0	1,5	S=6,3-e	10,4	0,1	**233 10** 060 046
	18,7	11,7	4,5 - 6,5			S=8,7-e	9,9		**233 10** 060 065
M8	19,0	14,0	1,7 - 4,5	11,0	1,5	S=7,5-e	12,7	0,1	**233 10** 080 046
	22,2	13,5	4,5 - 6,5			S=9,3-e	12,8		**233 10** 080 065
M10	21,0	15,4	1,7 - 4,5	12,5	1,5	S=7,5-e	13,2	0,1	**233 10** 100 046
	26,1	15,5	4,5 - 6,5	13,0		S=10,4-e	17,0		**233 10** 100 065







Aluminium | Countersunk head | Plain | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	f (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	14,1	7,2	1,5 - 3,5	5,0	1,3	S=4,0-e	10,0	0,1	**233 30** 030 035
M4	17,7	8,2	1,5 - 3,5	6,0	1,3	S=4,6-e	11,6	0,1	**233 30** 040 035
	19,3		3,5 - 5,0			S=6,0-e	11,8		**233 30** 040 050
M5	19,4	9,6	1,5 - 4,5	7,0	1,5	S=5,7-e	13,6	0,1	**233 30** 050 045
M6	25,2	11,7	1,5 - 4,5	9,0	1,5	S=6,5-e	17,0	0,1	**233 30** 060 045
	27,3		4,5 - 6,5			S=8,6-e			**233 30** 060 065
M8	30,0	13,5	1,5 - 4,5	11,0	1,5	S=6,9-e	21,4	0,1	**233 30** 080 045
	32,1		4,5 - 6,5			S=9,1-e	21,3		**233 30** 080 065
M10	33,9	15,5	1,5 - 4,5	13,0	1,5	S=7,5-e	26,5	0,1	**233 30** 100 045

If you need aluminium blind rivet nuts with high mechanical strength, a **RIVKLE® HRT** version is available.
See page 41.

chanhvinh.com

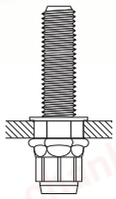
RIVKLE® – Standard blind rivet studs - Steel

Advantages

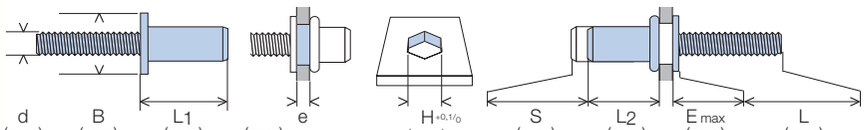
- Allows you to hold the part to be screwed onto the blind rivet stud in position (vertical installation, heavy or bulky part, etc.)
- Creates a reusable thread equivalent to a Class 8.8 bolt
- Keep enjoying the advantages of a simple and quick installation process with access from only one side







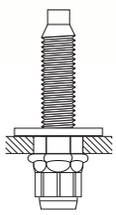
Steel | Thin head | Hexagonal



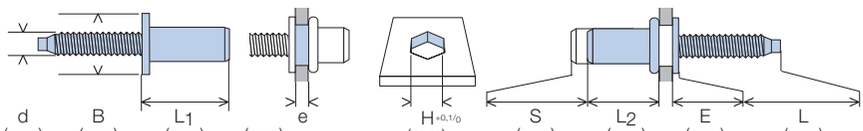
d (mm)	B (mm)	L_1 (mm)	e (mm) (min - max)	$H^{+0,1/0}$ (mm)	S (mm)	L_2 (mm)	E max (mm)	L (mm)		❶	❷
M6	10,0	15,8	0,5 - 3,0	9,0	S=5,5-e	8,0	0,45	21,0 - 25,5	**372 91** 060 527		✓
M8	13,5	20,2	3,0 - 5,5	11,0	S=8,0-e	11,7	0,5	28,0 - 32,0	**372 91** 080 504	✓	

Coating: ❶ = Zn8K+/Fe ; ❷ = ZnNi8A/Fe

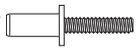




Steel | Flat head | Hexagonal

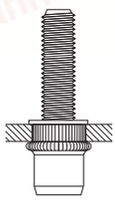


d (mm)	B (mm)	L_1 (mm)	e (mm) (min - max)	$H^{+0,1/0}$ (mm)	S (mm)	L_2 (mm)	E (mm)	L (mm)		❶	❷
M5	10,0	12,0	0,5 - 3,0	7,0	S=4,4-e	7,0	1,0	11,5 - 16,0	**372 59** 050 501*		✓
M6	13,0	14,3	0,5 - 3,0	9,0	S=4,8-e	8,0	1,5	16,5 - 21,0	**372 91** 060 506		✓
								12,5 - 17,0	**372 91** 060 517*		✓
								18,5 - 23,0	**372 91** 060 509		✓
								27,5 - 32,0	**372 91** 060 502		✓
M8	16,0	15,5	0,5 - 3,0	11,0	S=5,8-e	9,0	1,5	19,0 - 23,0	**372 91** 080 502		✓
								28,5 - 33,0	**372 91** 080 507		✓
	21,0	22,3	3,0 - 5,5		S=8,5-e	11,6	2,2	37,2 - 41,6	**372 91** 080 510	✓	

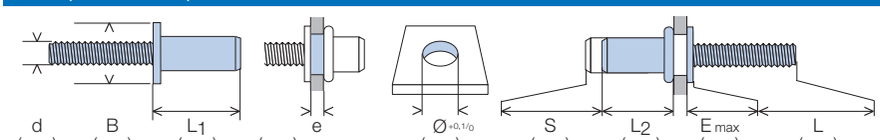
*  references without dog point

Coating: ❶ = Zn8K+/Fe ; ❷ = ZnNi8A/Fe





Steel | Thin head | Knurled



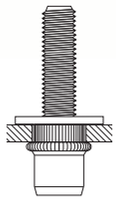
d (mm)	B (mm)	L_1 (mm)	e (mm) (min - max)	Ø $^{+0,1/0}$ (mm)	S (mm)	L_2 (mm)	E max (mm)	L (mm)		❶	❷
M6	10,0	15,3	1,0 - 4,0	9,0	S=5,7-e	8,95	0,6	15,4 - 20,4	**372 97** 060 518		✓
								11,4 - 16,4	**372 97** 060 519		✓
M8	12,0	17,5	1,0 - 4,0	11,0	S=7,0-e	9,5	0,6	14,5 - 19,5	**372 97** 080 505		✓
								22,0 - 27,0	**372 97** 080 507		✓
								22,4 - 27,4	**372 97** 080 510		✓

Coating: ❶ = Zn8K+/Fe ; ❷ = ZnNi8A/Fe

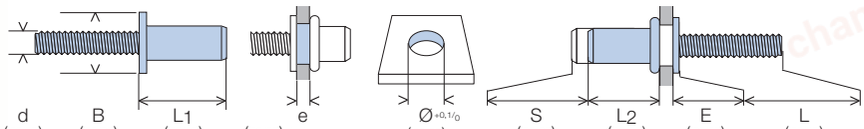
chanhvinh.com

RIVKLE® – Standard blind rivet studs - Steel





Steel | Flat head | Knurled



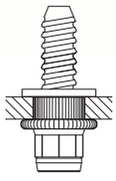
d (mm)	B (mm)	L1 (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	L (mm)		❶	❷
M5	10,0	11,2	0,5 - 3,0	7,0	S=5,0-e	5,0	1,0	7,5 - 12,0	**372 27** 050 110	✓	
								12,5 - 17,0	**372 27** 050 115[s]	✓	
								17,5 - 22,0	**372 27** 050 120[s]	✓	
								22,5 - 27,0	**372 27** 050 125	✓	
M6	13,0	14,2	0,5 - 3,0	9,0	S=5,2-e	8,5	1,5	14,0 - 18,5	**372 27** 060 115[s]	✓	
		16,9	3,0 - 5,5		S=7,7-e			14,0 - 18,5	**372 29** 060 504		✓
		14,2	0,5 - 3,0		S=5,2-e			19,0 - 23,5	**372 27** 060 120[s]	✓	
		14,2	0,5 - 3,0		S=5,2-e			24,0 - 28,5	**372 27** 060 125	✓	
M8	16,0	15,6	0,5 - 3,0	11,0	S=5,7-e	8,5	1,5	13,5 - 18,0	**372 27** 080 115	✓	
		15,6	0,5 - 3,0		S=5,7-e	8,5		18,5 - 23,0	**372 27** 080 120	✓	
		18,3	3,0 - 5,5		S=7,6-e	9,0		18,0 - 22,5	**372 29** 080 506		✓
		15,6	0,5 - 3,0		S=5,7-e	8,5		23,5 - 28,0	**372 27** 080 125	✓	

s: parts available from stock, package quantity 250 pieces.

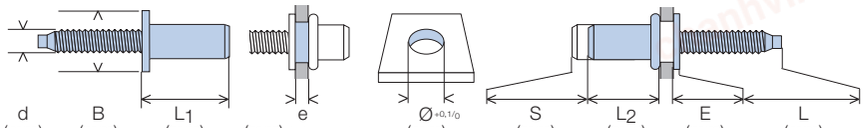
Coating: ❶ = Zn8K+/Fe ; ❷ = ZnNi8A/Fe

With their inclined thread, the RIVKLE® blind rivet studs allow you to attach snap-on clips without tools.





Steel | Flat head | Fir Tree studs



d (mm)	B (mm)	L1 (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	L (mm)		❶	❷
D5	10,0	10,2	0,5 - 3,0	7,0	S=4,8-e	5,5	1,0	12,0 - 16,5	**372 97** 059 505		✓
		10,2	0,5 - 3,0		S=4,8-e	5,5		14,5 - 19,0	**372 97** 059 507		✓
		11,6	1,5 - 4,0		S=5,7-e	6,0		14,0 - 18,5	**372 97** 059 508		✓
D6	13,0	12,7	0,5 - 3,0	9,0	S=4,8-e	8,0	1,5	19,0 - 23,5	**372 97** 069 501		✓
		12,7	0,5 - 3,0		S=4,8-e			14,0 - 18,5	**372 97** 069 502		✓
		12,7	0,5 - 3,0		S=4,8-e			11,5 - 16,0	**372 97** 069 503		✓
		12,7	0,5 - 3,0		S=4,8-e			21,5 - 26,0	**372 97** 069 507		✓
		15,4	3,0 - 5,5		S=7,7-e			11,5 - 16,0	**372 97** 069 504		✓
		15,4	3,0 - 5,5		S=7,7-e			14,0 - 18,5	**372 97** 069 505		✓
		15,4	3,0 - 5,5		S=7,7-e			19,0 - 23,5	**372 97** 069 506		✓

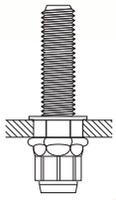
Coating: ❶ = Zn8K+/Fe ; ❷ = ZnNi8A/Fe

chanhvinh.com

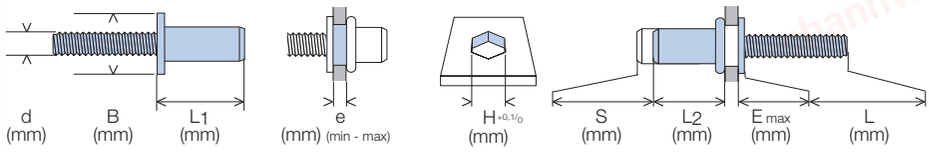
BÖLLHOFF

RIVKLE® – Standard blind rivet studs - Stainless steel





Stainless steel | Thin head | Hexagonal



d (mm)	B (mm)	L1 (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E max (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

All RIVKLE® stainless steel blind rivet studs are lubricated.

chanhvinh.com

chanhvinh.com

RIVKLE®
PRODUCT VARIANTS



chanhvinh.com

BÖLLHOFF

Contents

General presentation of the **RIVKLE®** product line

An optimized assembly solution for improved performance . . . 4
The RIVKLE® technology . . . 6
Setting of RIVKLE® fasteners . . . 7
Material and surface treatment . . . 9
Selection of the blind rivet nuts or studs . . . 10
Additional services . . . 12
Legend . . . 13

The standard **RIVKLE®** line

Blind rivet nuts . . . 16
Blind rivet studs . . . 35

RIVKLE® product variants

HRT blind rivet nuts - High Resistance Thread . . . **40**
SFC blind rivet nuts and studs - Smart for composite . . . **42**
PN blind rivet nuts - Ultimate pull-out force . . . **44**
Seal Ring blind rivet nuts and studs and other sealed solutions . . . **46**

The **RIVKLE®** setting tools

Hand operated assembly tools . . . 50
Hydropneumatic and battery-powered setting tools . . . 53
Special installation machines . . . 63

Böllhoff is your supplier for your fastening components and associated tools . . . 64

Part number index . . . 66

chanhvinh.com

BÖLLHOFF

RIVKLE® HRT – High Resistance Thread

For absolute robustness

High strength and reduced dimensions for your structural assemblies.
This blind rivet nut was designed to provide high-strength female threads after setting while retaining optimum dimensions.

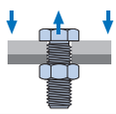


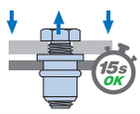


Advantages

- Extend the use of blind rivet nuts to applications involving high mechanical stresses.
- Add high-strength female threads to complex parts allowing access from only one side.
- In its aluminium version, this blind rivet nut provides full compatibility with class 8.8 screws.

Permissible loads





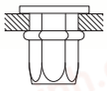
	Ø			HRT
		10.9 (ISO 898-1)	10 (ISO 898-2)	
Steel 10.9	**M6**	16 700 N	20 900 N	20 900 N
	M8	30 400 N	38 100 N	38 100 N
	M10	48 100 N	60 300 N	60 300 N
	M12	70 000 N	88 500 N	88 500 N
		12.9 (ISO 898-1)	12 (ISO 898-2)	
Steel 12.9	**M6**	19 500 N	23 100 N	23 100 N
	M8	35 500 N	42 500 N	42 500 N
	M10	56 300 N	67 300 N	67 300 N
	M12	81 800 N	100 300 N	100 300 N
		8.8 (ISO 898-1)	8 (ISO 898-2)	
Aluminium	**M5**	8 230 N	12 140 N	12 140 N
	M6	11 600 N	17 200 N	17 200 N
	M8	21 200 N	31 800 N	31 800 N

chanhvinh.com

RIVKLE® HRT – High Resistance Thread

RIVKLE® HRT - Steel



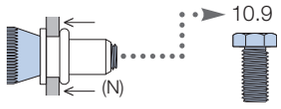


Steel HRT | Flat head | Hexagonal | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)		10.9
M6	20,0	14,0	1,0 - 3,0	9,0	S=6,5-e	13,0	1,5	**232 91** 060 502	✓
M8	23,6	17,0	1,0 - 3,0	11,0	S=6,3-e	16,0	1,5	**232 91** 080 504	✓
	26,5	10,9	3,0 - 5,5		S=10,2-e	14,8		**232 91** 080 505	✓
M10	27,0	20,0	1,0 - 3,5	13,0	S=8,7-e	17,5	2,0	**232 91** 100 503	✓
	28,5	24,0	2,0 - 5,0		S=9,5-e	18,0		**232 91** 100 501	✓
M12x1,5	33,0	27,0	1,0 - 4,0	16,0	S=10,5-e	22,0	2,0	**232 91** 124 501	✓

A wide range of plating finishes are available. Other configurations are available upon request.
Class 12,9 compatibility upon request.

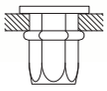
Setting forces*



M6	**232 91** 060 502	14 000
M8	**232 91** 080 504	24 000
	232 91 080 505	24 000
M10	**232 91** 100 503	38 000
	232 91 100 501	38 000
M12x1,5	**232 91** 124 501	55 000

RIVKLE® HRT - Aluminum



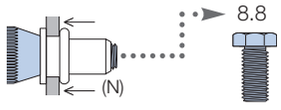


Aluminium HRT | Flat head | Hexagonal | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)		8.8
M5	18,1	14,0	0,5 - 3,0	7,0	S=6,5-e	11,0	1,0	**232 90** 050 501	✓
M6	18,6	14,0	0,5 - 3,0	9,0	S=6,8-e	11,5	1,5	**232 40** 060 030	✓
M8	23,6	17,0	0,5 - 3,5	11,0	S=7,0-e	15,5	1,5	**232 40** 080 030	✓

Optimized for aluminium and magnesium workpieces.
Weight saving and corrosion resistant solutions for external applications.

Setting forces*



M5	**232 90** 050 501	12 000
M6	**232 40** 060 030	12 000
M8	**232 40** 080 030	18 000

*The recommended setting force depends on the characteristics of the assembly.
To prevent any re-setting of the RIVKLE® HRT fastener during the installation of the bolt, we recommend to apply a setting load in accordance with the tension applied to the bolt.
In certain cases, it is possible to reduce these loads, contact Böllhoff to obtain further information.

chanhvinh.com

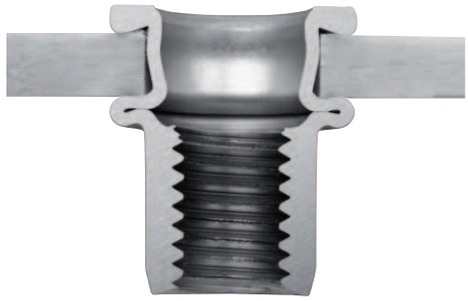
BÖLLHOFF

RIVKLE® SFC blind rivet nuts and studs – Smart for composite

The key to light assemblies

An advantage for weight saving in vehicles.
This blind rivet nut adds a high-strength female thread in polymer materials without causing damage to the application material. RIVKLE® SFC is suitable for flexible and brittle materials and can be integrated into any plastic parts without the need for particular precautions. After setting, thanks to its specific deformation, the bulge ensures uniform distribution of the grip forces.

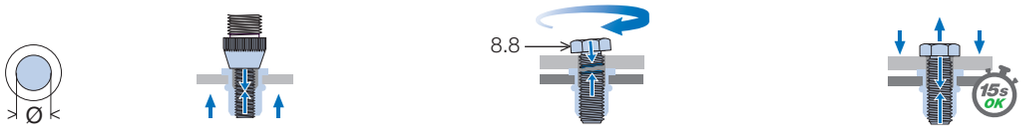




Advantages

- Make simpler designs without worrying about the edge distances of your parts
- Use wider tolerances when drilling the holes (relief angle, etc.)
- No more constraints regarding the compatibility between the materials and the joining components

Permissible loads



M6	12 000 N	RIVKLE® reusable*	15 000 N
M8	18 000 N	RIVKLE® reusable*	27 000 N

Similar performance to standard **RIVKLE®**

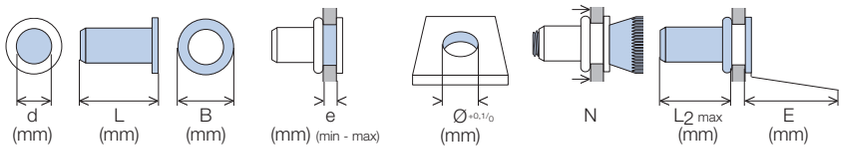
*__RIVKLE®__ is more resistant than screw property class 8.8

chanhvinh.com

RIVKLE® SFC - Steel



Steel | Flat head | Open

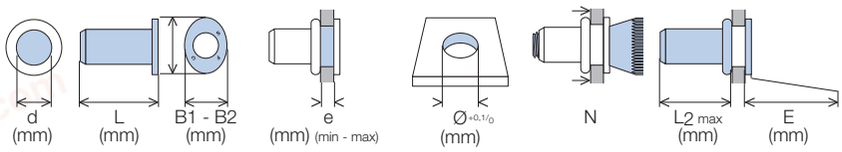


	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	N	L2 max (mm)	E (mm)	
M6	19,2	13,0	2,0 - 3,5	9,1	12 000	8,5	1,5	**233 91** 060 053
	21,2		3,5 - 5,0			9,5		**233 91** 060 054
	19,2	18,0	2,0 - 3,5					**233 91** 060 055
M8	21,5	19,0	2,0 - 3,5	11,1	18 000	11,6		**233 91** 080 886
	23,1		3,5 - 5,0					**233 91** 080 887

All other variations on demand: M5 to M10



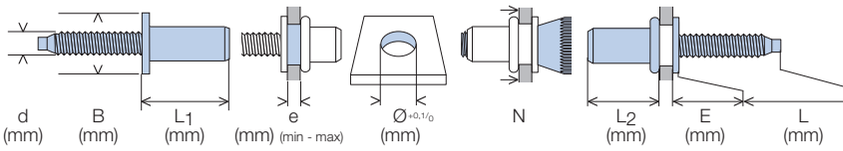
Steel | Elliptic head | Open



	d (mm)	L (mm)	B1 - B2 (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	N	L2 max (mm)	E (mm)	
M6	20,9	17	13	2,2 - 3,7	9,2	12 000	11,5	1,7	**233 91** 060 995

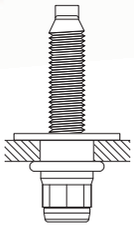


Steel | Flat head | Knurled



	d (mm)	B (mm)	L1 (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	N	L2 (mm)	E (mm)	L (mm)	
M6	17,0	19,8	2,0 - 3,5	9,1	11 600	11,0	1,5	16,0 - 19,5	**372 91** 060 539

All other variations on demand: M5 to M10



RIVKLE® SFC is fully compatible with the whole Böllhoff RIVKLE® setting tool range (including fully automatic installation for mass production).
Available in alternative configurations upon request (stud, underhead seal, etc.).
Grip range could be increased in certain specific conditions when associated with substrate material in these cases a prototype validation will be necessary. (Please contact us).

chanhvinh.com

RIVKLE® PN – Ultimate pull-out force

The universal solution for supports with extreme variations



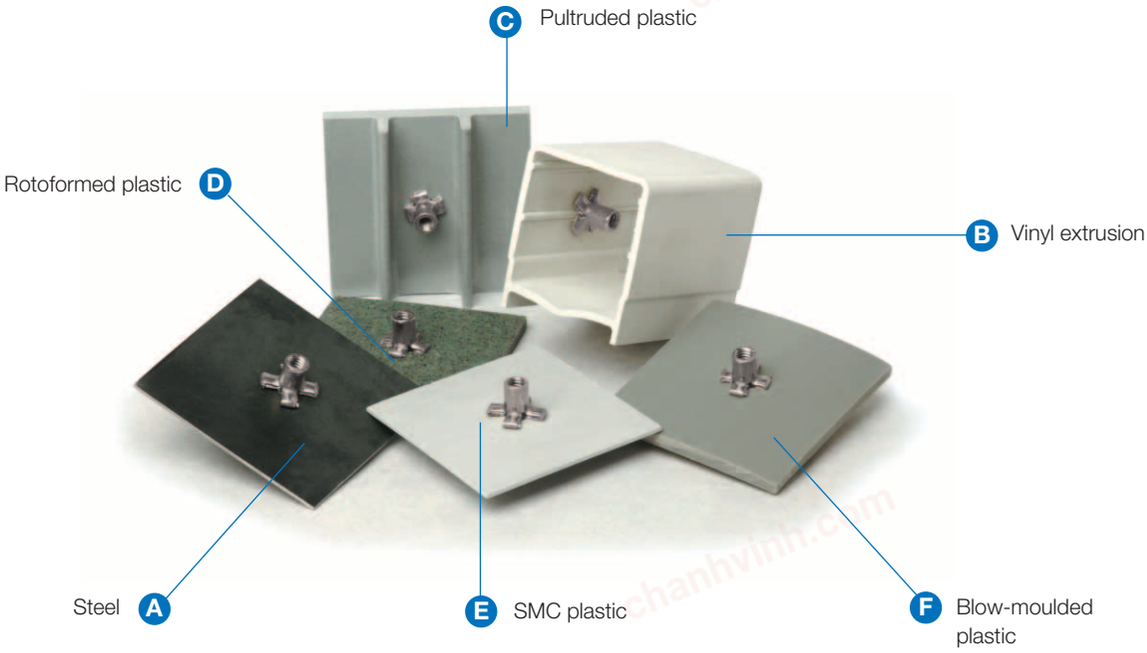
Extreme versatility in terms of thickness and diameter

The main difference of this RIVKLE® fastener is its slotted body which allows a petal-shaped deformation during the setting operation, thereby forming a large-size abutment. Its specific design allows it to accept large variations of the thickness of the support and/or variations of the diameter of the hole.

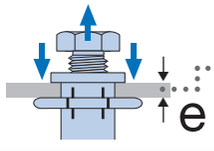
Advantages

- A great number of applications can be covered with a single product.
- You can counterbalance the variations of thickness and hole diameter which result from your process (plastic parts, plies, etc.).
- Secure your assemblies on thin plates or soft materials thanks to a large-size abutment.





Mechanical performance



	A	B	C	D	E	F
	e = 0,76 mm	e = 2,92 mm	e = 6,29 mm	e = 3,04 mm	e = 1,65 mm	e = 4,69 mm
RIVKLE® M6	2 130 N	900 N	6 760 N	100 N	600 N	1 250 N
RIVKLE® PN M6	5 400 N	2 750 N	8 400 N	700 N	1 620 N	3 220 N

Test according to Böllhoff specifications.

chanhvinh.com

RIVKLE® PN – Ultimate pull-out force

RIVKLE® PNP

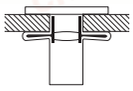


Steel | Flat head | Slotted | Open

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	D (mm)	Ø MIN (mm)	Ø MAX (mm)	$L_{2\ max}$ (mm)	E (mm)	
M5	22,0	12,7	0,5 - 3,0	7,47	7,48	7,62	9,9	1,0	**668 70** 511 030
M6	26,9	15,9	0,5 - 5,0	8,79	8,80	8,93	12,8	1,5	**668 70** 611 050
M8	30,5	19,0	0,5 - 5,0	11,10	11,11	11,50	14,5	1,5	**668 70** 811 050

RIVKLE® PNC - Extended Grip Range



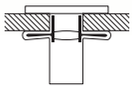


Steel | Flat head | Slotted | Open

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	D (mm)	Ø MIN (mm)	Ø MAX (mm)	$L_{2\ max}$ (mm)	E (mm)	
M4	17,6	11,15	0,50 - 3,80	6,12	6,13	6,25	8,6	0,95	**668 30** 411 038
	20,8		3,80 - 6,85						**668 30** 411 068
M5	21,95	12,7	0,50 - 4,45	7,47	7,48	7,58	9,9	0,95	**668 30** 511 044
	24,8		4,45 - 8,10						**668 30** 511 081
M6	26,9	15,9	0,50 - 7,10	8,79	8,80	8,90	12,8	1,50	**668 30** 611 071
	32,8		7,10 - 12,7						**668 30** 611 127
M8	30,5	19,0	0,50 - 7,10	11,10	11,11	11,50	14,5	1,57	**668 30** 811 071
	36,5		7,10 - 12,7						**668 30** 811 127
M10	33,2	22,25	0,50 - 7,10	13,06	13,07	13,26	15,8	2,25	**668 31** 011 071
	38,7	22,20	7,10 - 12,7					2,24	**668 31** 011 127

RIVKLE® PN - Stainless steel





Stainless steel | Flat head | Slotted | Open

d (mm)	L (mm)	B (mm)	e (mm) (min - max)	D (mm)	Ø MIN (mm)	Ø MAX (mm)	$L_{2\ max}$ (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
M5	22,0	12,7	0,50 - 4,45	7,47	7,48	7,58	9,9	0,95	**668 30** 588 044
	23,8		4,45 - 8,10	7,97					**668 30** 588 081*
M6	26,9	15,9	0,50 - 7,10	8,79	8,80	8,90	12,8	1,50	**668 30** 688 071
	32,8		7,10 - 12,7						**668 30** 688 127*
M8	30,5	19,0	0,50 - 7,10	11,10	11,11	11,50	14,5	1,50	**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 Böllhoff for availability

RIVKLE® PN - Tooling

Please use dedicated tooling, see page 60.

chanhvinh.com

Tightness in all circumstances

Preserve your assemblies from external influences.
This insert leaves no room for compromise and ensures sealing against all fluids while retaining the performance of RIVKLE® over time (metal-to-metal contact). All our products are proof tested with air pressure in accordance with stringent process (ATEQ) and comply with the highest demands from automotive industry.





Advantages

- Simplify your sealed assemblies with a solution directly integrated into your RIVKLE® blind rivet nuts or studs.
- Ensure systematic and repeatable sealing and preserve the mechanical performance of your assemblies.
- Keep enjoying the advantages of a simple and quick installation process with access from only one side. Compatible with all Böllhoff setting tools, including for automatic blow-feed installation*.

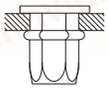
*The fluid tightness properties of the product require compliance with the specified setting conditions,both in terms of equipment and support.(For more information about the setting conditions, refer to page 8 and/or contact Böllhoff).

RIVKLE® Seal Ring - Steel

The **RIVKLE® Seal Ring** range is available with NBR seals for temperature stability from –30°C to +100°C.

The **RIVKLE® Seal Ring** range is also available with FKM seals for a temperature stability from –15°C to +220°C (cataphoresis passage).
On request, please contact Böllhoff.





Steel | Flat head | Hexagonal | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M5	19,2	13,0	0,8 - 3,0	7,0	S=5,0-e	13,0	1,5	**233 91** 050 807
	21,4		2,5 - 5,0		S=7,1-e			**233 91** 050 808
M6	22,0	19,75	0,8 - 3,0	9,0	S=4,6-e	16,5	1,5	**233 91** 060 030*
	24,2	15,0	2,5 - 5,0		S=6,9-e			**233 91** 060 027
M8	26,5	18,0	0,8 - 3,0	11,0	S=5,5-e	19,8	1,5	**233 91** 080 875
	28,7		2,5 - 5,0		S=7,7-e			**233 91** 080 874*
								233 91 080 876

*With FKM joint

chanhvinh.com

RIVKLE® Seal Ring blind rivet nuts and studs and other sealed solutions



Steel | Flat head | Knurled | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L_2 (mm)	E (mm)	
M5	19,3	12,0	0,5 - 3,0	8,0	S=4,1-e	14,8	1,5	**233 97** 050 693
	21,5		2,5 - 5,0		S=6,2-e			**233 97** 050 694
M6	22,3	13,0	0,5 - 3,0	9,0	S=4,3-e	16,5	1,5	**233 97** 060 813
	24,5		2,5 - 5,0		S=6,5-e			**233 97** 060 776*
M8	26,6	16,0	0,8 - 3,0	11,0	S=4,8-e	19,8	1,5	**233 97** 080 757
	28,5		2,5 - 5,0		S=7,1-e	19,9		**233 97** 080 741*

*With FKM joint



Steel | Flat head | Knurled

	d (mm)	B (mm)	L_1 (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L_2 (mm)	E (mm)	L (mm)	
M6	13,0	14,5	0,5 - 3,0	9,0	S=4,8-e	9,0	1,5	16,3 - 20,8	**372 97** 060 537

New

RIVKLE® Seal Ring - Aluminium HRT



Aluminium HRT | Flat head | Hexagonal | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L_2 (mm)	E (mm)	
M6	22,0	15,0	0,5 - 3,0	9,0	S=4,6-e	17,5	1,5	**232 90** 060 506



Aluminium HRT | Flat head | Knurled | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø +0,1/0 (mm)	S (mm)	L_2 (mm)	E (mm)	
M6	24,3	13,0	0,5 - 3,0	9,0	S=4,3-e	20,5	1,5	**232 90** 060 505

All other variations on demand.

Sealed RIVKLE® - Stainless steel A4

For applications in the industrial sector, Böllhoff also offers a new range of sealed stainless steel A4 fasteners with O-ring seals.



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

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H +0,1/0 (mm)	S (mm)	L_2 (mm)	E (mm)	
M5	19,0	13,5	0,5 - 3,0	7,0	4,6-e	14,4	1,5	**233 94** 050 504
	20,5		3,0 - 4,5		5,9-e	14,6		**233 94** 050 505
M6	23,0	16,0	0,5 - 3,0	9,0	5,5-e	16,0	1,5	**233 94** 060 599
	24,4		2,0 - 4,5		7,26-e	15,6		**233 94** 060 600
M8	25,0	21,0	0,5 - 3,0	11,0	5,7-e	19,3	1,5	**233 94** 080 501
	27,5		3,0 - 5,5		8,7-e	18,8		**233 94** 080 502

Suitable for industrial use only.

For use outside of metal or automotive applications, please contact us.

RIVKLE®
SETTING TOOLS



chanhvinh.com

BÖLLHOFF

Contents

General presentation of the **RIVKLE®** product line

- An optimized assembly solution for improved performance . . . 4
- The RIVKLE® technology . . . 6
- Setting of RIVKLE® fasteners . . . 7
- Material and surface treatment . . . 9
- Selection of the blind rivet nuts or studs . . . 10
- Additional services . . . 12
- Legend . . . 13

The standard **RIVKLE®** line

- Blind rivet nuts . . . 16
- Blind rivet studs . . . 35

RIVKLE® product variants

- HRT blind rivet nuts - High Resistance Thread . . . 40
- SFC blind rivet nuts and studs - Smart for composite . . . 42
- PN blind rivet nuts - Ultimate pull-out force . . . 44
- Seal Ring blind rivet nuts and studs and other sealed solutions . . . 46

The **RIVKLE®** setting tools

- Hand operated assembly tools . . . 50
- Hydropneumatic and battery-powered setting tools . . . 53
- Special installation machines . . . 63

Böllhoff is your supplier for your fastening components and associated tools . . . 64

Part number index . . . 66

chanhvinh.com

RIVKLE® BRK 01 - Manual assembly tool



	Ø RIVKLE®							
	M3	M4	M5	M6	M8	M10	M12	M14
Steel	■	■	■	■				
Stainless steel	■	■	■					
Aluminium	■	■	■	■				

Kg 600 g

235 119 00000
Tooling included (M3 - M6)

RIVKLE® BRK01 Kit









		M3	M4	M5	M6	M8	M10	M4	M5	M6	M8	M10
235 119 00501	x1	x50	x50	x50	x50							
235 119 00502	x1							x50	x50	x50		

RIVKLE® M2007 - Manual assembly tool



	Ø RIVKLE®							
	M3	M4	M5	M6	M8	M10	M12	M14
Steel			■	■	■	■	■	
Stainless steel			■	■	■	■	■	
Aluminium			■	■	■	■	■	

Kg 1200 g

235 302 01000
Tooling included (M5 - M12)

RIVKLE® M2007 Kit











		M5	M6	M8	M10	M12	M6	M8	M10	M6	M8	M10
235 302 01000	x1	x1	x1	x1	x1	x1						
235 302 01001	x1		x1	x1	x1					x50	x25	x25
235 302 01002	x1		x1	x1	x1		x50	x25	x25			

		UNC			UNF		
		10-24	1/4-20	5/16-18	10-32	1/4-28	5/16-24
235 302 01003	x1	x1	x1	x1	x1	x1	x1

chanhvinh.com

RIVKLE® – Hand operated assembly tools

RIVKLE® BRK 08 - Lever type assembly tool



	Ø RIVKLE®							
	M3	M4	M5	M6	M8	M10	M12	M14
Steel		■	■	■	■			
Stainless steel		■	■	■				
Aluminium		■	■	■	■	■		

Kg 870 g **235 121** 00000

Tooling included (M4 - M10)

RIVKLE® BRK 10 - Lever type assembly tool

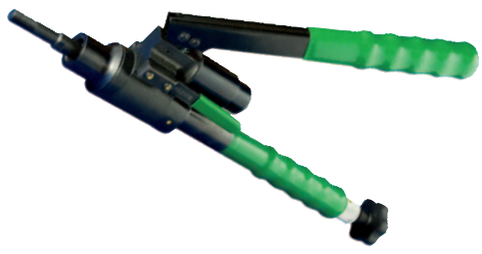


	Ø RIVKLE®							
	M3	M4	M5	M6	M8	M10	M12	M14
Steel			■	■	■	■		
Stainless steel			■	■	■			
Aluminium			■	■	■	■		

Kg 1900 g **235 120** 00000

Tooling included (M5 - M10)

RIVKLE® ES 51 - Hydraulic manual assembly tool



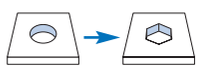
	Ø RIVKLE®							
	M3	M4	M5	M6	M8	M10	M12	M14
Steel				■	■	■	■	■
Stainless steel				■	■	■	■	■
Aluminium				■	■	■	■	■

Kg 2700 g **235 118** 00000

Tooling not included

RIVKLE® OPTEX - Hexagonal punching and assembly tool





		Ø RIVKLE®		
		M5	M6	M8
Steel	0,5 - 2,5 mm	■	■	■
Stainless steel		■	■	■

Kg 2100 g **235 110** 00000

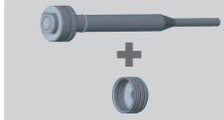
Tooling included (M5 - M8)

chanhvinh.com

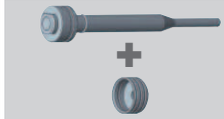
RIVKLE® – Hand operated assembly tools

Tooling equipment

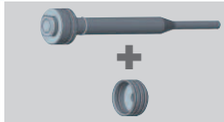


RIVKLE® BRK 01			Ø RIVKLE®			
			M3	M4	M5	M6
Mandrel + Anvil		**235 119** XX 001	03	04	05	06



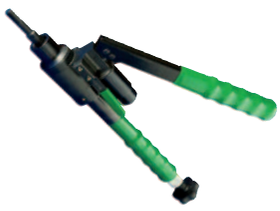
RIVKLE® BRK 08			Ø RIVKLE®				
			M4	M5	M6	M8	M10
Mandrel + Anvil		**235 121** XX 001	04	05	06	08	10



RIVKLE® BRK 10			Ø RIVKLE®			
			M5	M6	M8	M10
Mandrel + Anvil		**235 120** XX 001	05	06	08	10



RIVKLE® M2007			Ø RIVKLE®				
			M5	M6	M8	M10	M12
Mandrel		**235 302** XX 020	05	06	08	10	12
Anvil		**235 302** XX 030	05	06	08	10	12



RIVKLE® ES 51			Ø RIVKLE®				
			M6	M8	M10	M12	M14
Mandrel		**235 108** XX 020	06	08	10	12	14
Anvil		**235 108** XX 030	06	08	10	12	14
Ecrou		**235 108** 00 001	✓	✓	✓	✓	✓



RIVKLE® OPTEX			Ø RIVKLE®		
			M5	M6	M8
Mandrel		**235 110** XX 020	05	06	08
Nut		**235 110** 67 006	✓	✓	✓
Anvil		**235 110** XX 030	05	06	08
Punch		**235 110** XX 021	05	06	08
Matrix		**235 110** XX 031	05	06	08

chanhvinh.com

RIVKLE® – Hydropneumatic and battery-powered setting tools

RIVKLE® NEO P107



The new generation for optimized performances

	Ø RIVKLE®					
	M3	M4	M5	M6	M8	M10
Steel	■	■	■	■	■	
Stainless steel	■	■	■	■		
Aluminium		■	■	■	■	■

236 172 01000
Tooling not included (see page 59)

Maximum stroke	7,0 mm
Maximum setting force	18 kN (from M3 to M8 steel)
Operating air pressure	5,5 bar min to 6,5 max
Weight without tooling	2,0 kg
Noise level	< 70 dB (A)
Production speed	36 RIVKLE® /min

A dedicated brochure has been created for this product, please contact Böllhoff.

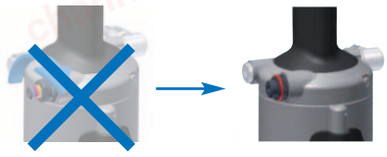
RIVKLE® P2007



A versatile tool, suitable for a wide range of applications

	Ø RIVKLE®							
	M3	M4	M5	M6	M8	M10	M12	M14
Steel		■	■	■	■	■		
Stainless steel		■	■	■	■			
Aluminium			■	■	■	■	■	

236 156 01000
Tooling not included (see page 59)



Generic code for a tool with unique force cartridge:
282 520 00 005.
It is also possible to get mono cartridge alone.
Please contact Böllhoff.

Maximum stroke	7,0 mm
Maximum setting force	21 kN (from M4 to M10 steel)
Operating air pressure	5,5 bar min to 7 max
Weight without tooling	2,2 kg
Noise level	< 70 dB (A)
Production rate	32 RIVKLE® /min

chanhvinh.com

RIVKLE® NEO B107 and NEO B109 – Battery setting tools for blind rivet nuts and studs

Quick and easy tooling replacement

- Compatible with Böllhoff mandrels and anvils



Ergonomics in line with Böllhoff standards

- Redesigned trigger (anti-pinch)
- Comfortable, ergonomic handle

New battery

- Makita® universal lithium-Ion battery 1.5 Ah, 18v
- Quick and easy battery change

Advantages

- 3 kN to 18 kN (M3-M8 steel)
- 32 RIVKLE® / min*
- Optimized maintenance (easier and faster)
- Designed and validated for mass production use
- Compatibility with existing RIVKLE® tooling (mandrels and anvils)
- For RIVKLE® blind rivet nuts and studs

* According to Böllhoff procedure

chanhvinh.com

RIVKLE® NEO B107 and NEO B109 – Battery setting tools for blind rivet nuts and studs

Redesigned automatic screwing

- Intuitive, automatic screwing of RIVKLE®
- Optimization of mandrel screwing axis
- No screwing without RIVKLE® blind rivet nuts or studs

Electro-hydraulic technology

- Compact design
- Optimized weight distribution (better balance)
- Optimum repeatability
- Increased reliability (low friction)



Digital display and buttons

- Adjustment of setting force
- Battery charge level information
- Display of any error codes
- Access to setting parameters
- Automatic unscrewing button

Developed and produced in France

chanhvinh.com

New 2024

RIVKLE® NEO B



Maximum stroke	7,5 mm
Maximum setting force	18 kN (from M3 to M8 steel)
Battery	Makita® lithium-Ion 1,5 Ah, 18v
Weight without tooling	2,27 kg
Noise level	< 70 dB (A)
Production rate	32 RIVKLE® /min

A dedicated brochure has been created for this product, please contact Böllhoff.

The new generation of battery-powered tools

	Ø RIVKLE®					
	M3	M4	M5	M6	M8	M10
Steel	■	■	■	■	■	
Stainless steel	■	■	■	■		
Aluminium		■	■	■	■	■



RIVKLE® NEO B107 (basic):
236 173 01000



RIVKLE® NEO B109 (process control):
236 174 01000

Tooling not included (see page 59)

RIVKLE® P3007



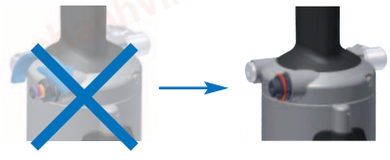
Maximum stroke	8,0 mm
Maximum setting force	40 kN (from M8 to M14 steel)
Operating air pressure	5,5 bar min to 7 max
Weight without tooling	3,4 kg
Noise level	< 70 dB (A)
Production rate	14 RIVKLE® /min

Powerfull and robust construction

	Ø RIVKLE®							
	M4	M5	M6	M8	M10	M12	M14	M16
Steel				■	■	■	■	
Stainless steel				■	■	■		
Aluminium				■	■	■	■	■

236 159 01000

Tooling not included (see page 59)



Generic code for a tool with unique force cartridge:
282 520 00 005.
It is also possible to get mono cartridge alone.
Please contact Böllhoff.

chanhvinh.com

RIVKLE® – Hydropneumatic and battery-powered setting tools

RIVKLE® P2007 PN





	Ø RIVKLE® PN							
	M3	M4	M5	M6	M8	M10	M12	M14
Steel		■	■	■	■	■		
Stainless steel		■	■	■	■			

236 158 01000
Tooling not included (see page 60)

Maximum stroke	14,0 mm
Maximum setting force	14,5 kN
Operating air pressure	5,5 bar min to 7 bar max
Weight without tooling	2,4 kg
Noise level	< 70 dB (A)
Production rate	10 to 15 RIVKLE® /min

RIVKLE® P3007 PN





	Ø RIVKLE® PN							
	M3	M4	M5	M6	M8	M10	M12	M14
Steel					■	■		

236 160 01000
Tooling not included (see page 60)

Maximum stroke	14,0 mm
Maximum setting force	25 kN
Operating air pressure	5,5 bar min to 7 bar max
Weight without tooling	3,1 kg
Noise level	< 70 dB (A)
Production rate	14 RIVKLE® /min

A dedicated brochure has been created for this product, please contact Böllhoff.

chanhvinh.com

BÖLLHOFF

RIVKLE® – Force Controller



The RIVKLE® technology guarantees that each fastener will be properly set during the process.

This non-destructive test is carried out as a background task during the setting process.
This validation of the setting parameters and conditions is available on the hand setting tools and the automatic setting tools as well.

Hand setting tools

The **RIVKLE® FC340 Force Controller** is the most reliable solution to allow you to check that your hand setting tools are correctly adjusted and deliver the suitable setting forces for your application.



Digital display
Instant reading of the setting force applied by the tool

Hydraulic pressure sensor
Measurement accuracy: +/-3%

Enclosed hydraulic module
High capacity (–> 40 kN)
and repeatability over time

Checking tools
Suitable for the setting of blind rivet nuts and studs.
Suitable for the setting of M3 to M16 fasteners.

This tool is available with or without calibration certificate.

	**282 522** 14 000
	**282 522** 14 800
	**282 522** 14 900

TOOLING KIT				Ø RIVKLE®								
				M3	M4	M5	M6	M8	M10	M12	M14	M16
Washer + Nut			**282 522** 14 1XX	03	04	05	06	08	10	12	14	16
			**282 522** 14 XXX	-	204	205	505	206	506	208	508	210
				-	M4	M5	D5	M6	D6	M8	D8	M10

Select the kit according to the diameter you use. Tooling for RIVKLE® UNC and RIVKLE® UNF available on demand.

chanhvinh.com

RIVKLE® – Hydropneumatic and battery-powered setting tools

Tooling



RIVKLE® P2007 / NEO P107 / NEO B107 / NEO B109			Ø RIVKLE®								
			M3	M4	M5	M6	M8	M10	M12	M14	M16
Mandrel		**236 113** XX 020	03	04	05	06	08	10*	*(1)	–	–
		376 113 XX 020	–	04	05	06	08	*(3)	–	–	–
Anvil		**236 113** XX 030	03	04	05	06	08	10	*(2)	–	–
		376 113 XX 030	–	04	05	06	08	*(4)	–	–	–
RIVKLE® P3007											
Mandrel		**236 159** XX 020	–	–	–	–	08	10	12	14	16
Anvil		**236 159** XX 030	–	–	–	–	08	10	12	14	16

* RIVKLE® NEO P107 / RIVKLE® NEO B107 / RIVKLE® NEO B109 special mandrel for M10 (Aluminium): **236 913** 10 031

RIVKLE® B2007 special tooling		22 kN M10
Mandrel		**236 913** 10 019
Nose for blind rivet studs M10		**236 166** 00 303
Fork for blind rivet studs M10		**236 166** 00 304

RIVKLE® P2007 / NEO P107 / NEO B107 / NEO B109			Ø RIVKLE® - UNC					Ø RIVKLE® - UNF			
			4-40	6-32	8-32	10-24	1/4-20	10-32	1/4-28	7/16-20	3/8-24
Mandrel		**236 113** XX XXX	65 620	67 620	68 620	69 620	74 620	69 720	74 720	78 720	77 720
Anvil		**236 113** XX XXX	03 030	67 030	68 030	69 030	74 030	69 030	74 030	*(6)	77 030

***(1)** = **236 153** 12 020 ***(2)** = **236 153** 12 030 ***(3)** = **376 913** 10 020 ***(4)** = **376 913** 10 030 ***(6)** = **236 923** 78 030

chanhvinh.com

BÖLLHOFF

RIVKLE® – Hydropneumatic and battery-powered setting tools

RIVKLE® P2007 / NEO P107 / NEO B107 / NEO B109				Ø RIVKLE® - Fir tree stud	
				D5	D6
Mandrel			**376 913** XX XXX	05 401	*(7)
Anvil			**376 113** XX XXX	05 030	06 030

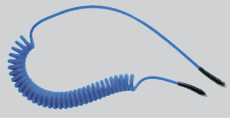
*(7) = **563 500** 50 010

RIVKLE® P2007 PN				Ø RIVKLE®								
				M3	M4	M5	M6	M8	M10	M12	M14	M16
Mandrel			**236 913** XX XXX	–	04 094	05 094	06 127	08 101	*(5)	–	–	–
Anvil			**236 913** XX XXX	–	04 086	05 095	06 128	08 087	10 010	–	–	–
RIVKLE® P3007 PN												
Mandrel			**236 913** XX XXX	–	–	–	–	08 101	*(5)	–	–	–
Anvil			**236 913** XX XXX	–	–	–	–	08 087	10 010	–	–	–

*(5) = **236 913** 10 006

RIVKLE® TOOLING BOX				Ø RIVKLE®								
				M3	M4	M5	M6	M8	M10	M12	M14	M16
			**236 113** 00 001	✓	✓	✓	✓	✓	✓	✓	–	–
				–	✓	✓	✓	✓	–	–	–	–
			**236 113** 00 002	✓	✓	✓	✓	✓	–	–	–	–

Accessories

Ring		**236 803** 00 008
Pin		**236 803** 00 009
Staubli compressed air coupling kit		**282 590** 10 988 (D6) **282 590** 10 989 (D8)
Staubli hose, length 5 m, with D6 coupling		**236 003** 01 000
Prevost extension hose 0.4-4 m with R1/4 coupling		**236 599** 00 037
FRL kit		**236 599** 00 036

chanhvinh.com

BÖLLHOFF

RIVKLE® – Hydropneumatic and battery-powered setting tools











RIVKLE® NEO B107 / NEO B109	–	–	Kg 2 - 3 Kg **282 590** 10 820	Kg 2,2 - 4 Kg **282 590** 10 665	Kg 2,2 - 4 Kg **282 590** 10 664
RIVKLE® NEO P107	**236 500** 00 014	–			
RIVKLE® P2007	**236 156** 00 301	**236 156** 01 001			
RIVKLE® P2007 PN		–			
RIVKLE® P3007 PN			Kg 4 - 6 Kg **282 590** 10 152	–	–
RIVKLE® P3007	**236 159** 00 301				









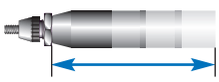
	Tool holder	Battery Makita® lithium-Ion 1.5 Ah, 18v	Battery Makita® lithium-Ion 3.0 Ah, 18v	Battery loader Makita® DC18RC
RIVKLE® NEO B107 / NEO B109	**236 500** 00 019	**236 999** 00 170	**236 599** 00 042	**236 999** 00 172





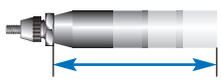
	Tool holder	Force locking kit
RIVKLE® NEO P107	**236 500** 00 019	**236 999** 00 057

RIVKLE® NEO B107 / NEO B109 - Extension kit

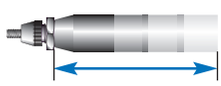


Extension kit 55 mm	Extension kit 110 mm	Extension kit 165 mm
		
236 500 00 024	**236 500** 00 023	**236 500** 00 022

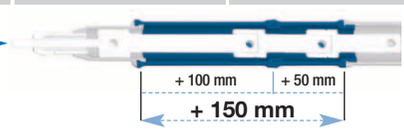
RIVKLE® NEO P107 - Extension kit

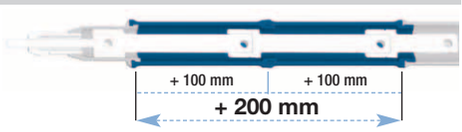


Extension kit 55 mm	Extension kit 110 mm	Extension kit 165 mm
		
236 500 00 018	**236 500** 00 017	**236 500** 00 016



		RIVKLE® P2007 / P2007 PN / P3007 PN
	+ 50 mm	**282 590** 10 984
	+ 100 mm	**282 590** 10 985
	+ 150 mm	**282 590** 10 986
	+ 50 mm	**282 590** 10 791
	+ 100 mm	**282 590** 10 792

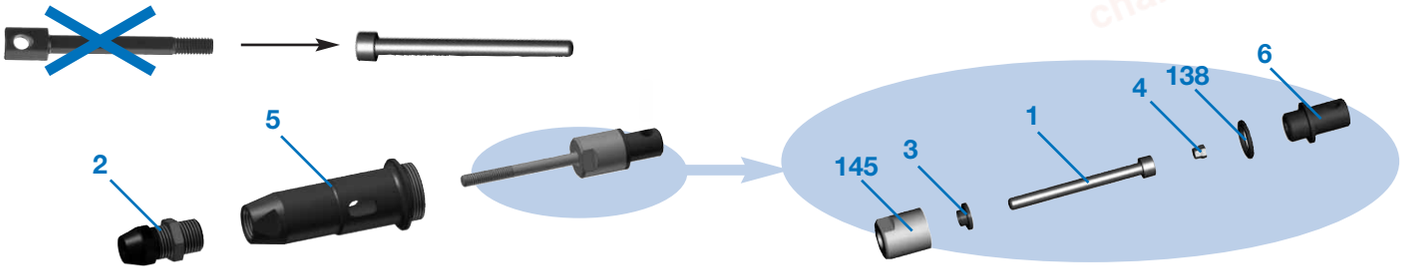




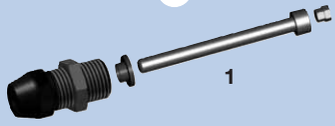
chanhvinh.com

RIVKLE® – Hydropneumatic and battery-powered setting tools

CHC screw kit



KIT = A + B + C

	A  5 RIVKLE® P2007	B  145 + 138 + 6 RIVKLE® P2007	C  1
M3	**236 803** 00 005	**236 803** 00 216	**236 803** 03 000
M4			**236 803** 04 000
M5			**236 803** 05 000
M6			**236 803** 06 000
M8			**236 803** 08 000

	CHC kit Sold in packs of 10 screws  1 RIVKLE® NEO P107 RIVKLE® NEO B107 / NEO B109	CHC screw Sold in packs of 10 screws  1 ISO4762 DIN912
M3	**236 500** 00 001	M3 x 60 **236 803** 03 020
M4	**236 500** 00 002	M4 x 60 **236 803** 04 020
M5	**236 500** 00 003	M5 x 65 **236 803** 05 020
M6	**236 500** 00 004	M6 x 65 **236 803** 06 020
M8	**236 500** 00 005	M8 x 70 **236 803** 08 020

Refill & purge accessory

RIVKLE® NEO B107 / NEO B109		**236 500** 00 006 (1)
RIVKLE® NEO P107		**236 500** 00 007 (1)
RIVKLE® PX007		**236 114** 00 970 (1)

(1) Oil included





Oil

RIVKLE® NEO B107 / NEO B109	Hydrolub HMAX 32 (1L)	M1000085000
RIVKLE® NEO P107 RIVKLE® PX007	Hydrolub HMAX 68 (1L)	**291 400** 00 001

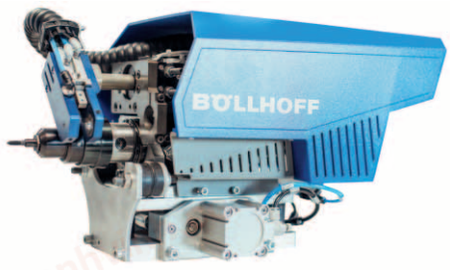
chanhvinh.com

RIVKLE® – Special installation machines



RIVKLE® EPK C / **RIVKLE®** EPK HP

Hydraulic pneumatic tool with process control



RIVKLE® Automation

Setting head with automatic loading system

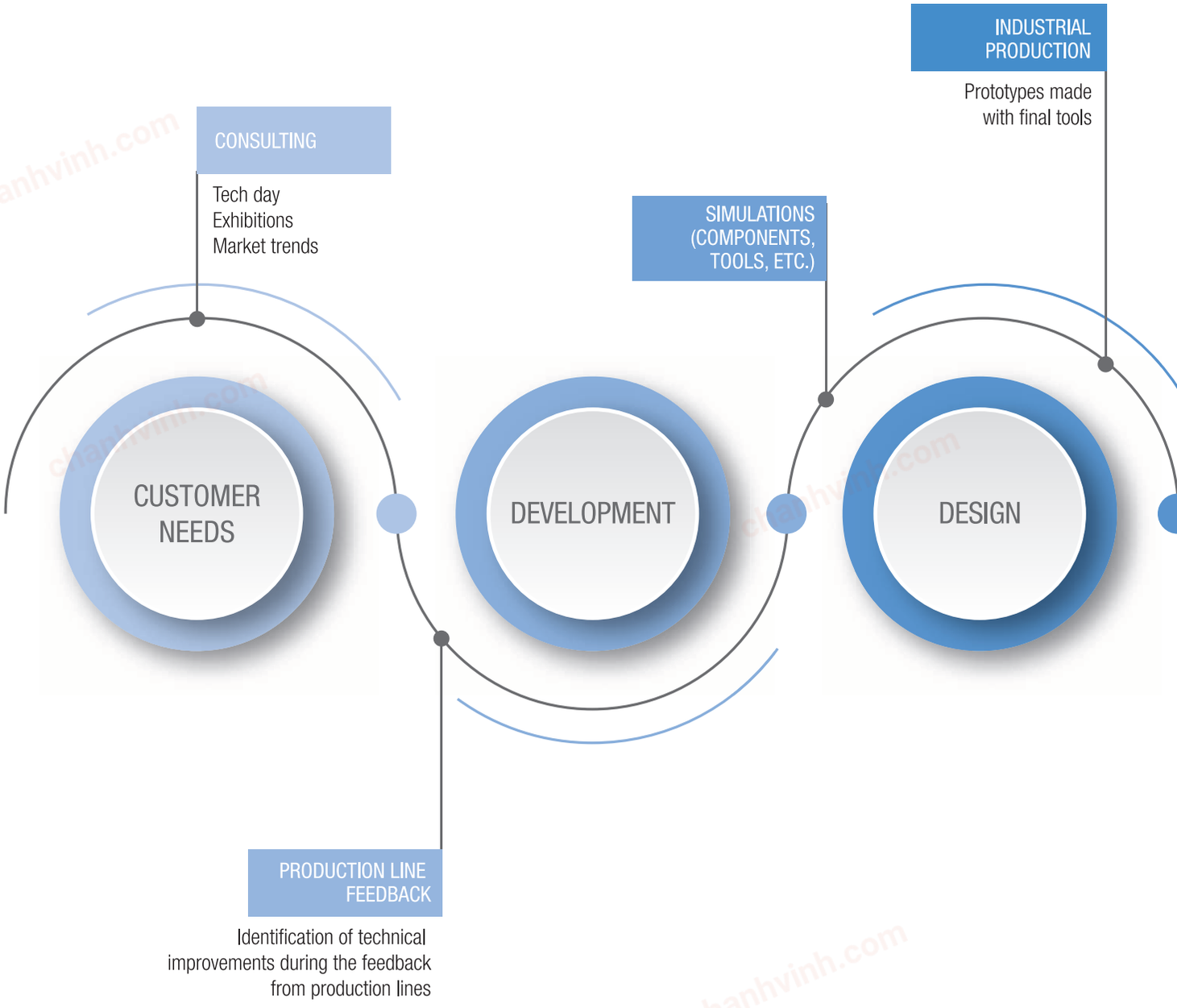
chanhvinh.com

BÖLLHOFF

Böllhoff is your supplier for your fastening components and associated tools

provides you with comprehensive assistance. Thanks to our fully in-house expertise, we will support and guide you, from the stages before your design to the industrial production stage and including to provide you with training in the setting methods.

We have the expertise for each step related to your project: consulting, development, design, prototyping.





chanhvinh.com

BÖLLHOFF

Böllhoff is your supplier for your fastening components and associated tools

START OF SERIES PRODUCTION

TRAINING

Training in the maintenance and use of our tools

PRODUCTION

TESTING UNDER REAL CONDITIONS

AFTER-SALE SERVICE

TESTING

Validation of the product dimensions and performance



chanhvinh.com

RIVKLE® – Part number index

232 40 060030	**41**
232 40 080030	41
232 90 050501	**41**
232 90 060505	47
232 90 060506	47
232 91 060502	**41**
232 91 080504	41
232 91 080505	41
232 91 100503	41
232 91 100501	41
232 91 124501	41
233 00 030020	**33**
233 00 030035	33
233 00 040025	33
233 00 040046	33
233 00 050030	33
233 00 050056	33
233 00 060030	33
233 00 060056	33
233 00 080030	33
233 00 080056	33
233 00 100035	33
233 00 100060	33
233 01 030010	**22**
233 01 030015	22
233 01 030030	22
233 01 030045	22
233 01 030060	22
233 01 040010	22
233 01 040020	22
233 01 040040	22
233 01 040060	22
233 01 050030	22
233 01 050055	22
233 01 050080	22
233 01 060030	22
233 01 060055	22
233 01 060080	22
233 01 080030	22
233 01 080055	22
233 01 080080	22
233 01 080105	22
233 01 100035	22
233 01 100060	22
233 01 100085	22
233 01 100110	22
233 01 120040	22
233 01 120070	22
233 01 120100	22
233 01 140600	22
233 04 040020	**32**
233 04 050030	32
233 04 060030	32
233 04 080030	32
233 06 030015	**28**
233 06 030025	28
233 06 030032	28
233 06 040042	28
233 06 040230	28
233 06 050045	28
233 06 050233	28
233 06 060045	28
233 06 060060	28
233 06 060233	28
233 06 080060	28
233 06 080233	28
233 06 080255	28
233 06 100015	28
233 06 100030	28
233 06 100045	28
233 06 100060	28
233 06 120015	28
233 06 120030	28
233 06 120045	28
233 06 120060	28
233 07 030100	**20**
233 07 030175	20
233 07 030250	20
233 07 030325	20
233 07 040230	20
233 07 040325	20
233 07 050040	20
233 07 050230	20
233 07 060230	20
233 07 060255	20
233 07 080230	20
233 07 080255	20
233 07 100235	20
233 07 100450	20
233 07 100600	20
233 08 040020	**30**
233 08 040035	30
233 08 050030	30
233 08 050400	30
233 08 060300	30
233 08 060450	30
233 08 080300	30
233 08 080450	30
233 08 100300	30
233 08 100450	30
233 08 100600	30
233 09 050501	**28**
233 09 060501	28
233 09 080501	28
233 10 030035	**34**
233 10 030050	34
233 10 040036	34
233 10 040050	34
233 10 050040	34
233 10 050065	34
233 10 060046	34
233 10 060065	34
233 10 080046	34
233 10 080065	34
233 10 100046	34
233 10 100065	34
233 11 030015	**24**
233 11 030030	24
233 11 030045	24
233 11 040020	24
233 11 040030	24
233 11 040050	24
233 11 040070	24
233 11 050040	24
233 11 050065	24
233 11 050090	24
233 11 060040	24
233 11 060065	24
233 11 060090	24
233 11 080040	24
233 11 080065	24
233 11 080090	24
233 11 100040	24
233 11 100065	24
233 11 100090	24
233 11 120045	24
233 11 120075	24
233 11 120105	24
233 16 030020	**29**
233 16 030030	29
233 16 040020	29
233 16 040030	29
233 16 040040	29
233 16 050020	29
233 16 050030	29
233 16 050040	29
233 16 060040	29
233 16 060050	29
233 16 060060	29
233 16 080030	29
233 16 080040	29
233 16 080050	29
233 16 080060	29
233 16 100030	29
233 16 100045	29
233 16 100060	29
233 16 120030	29
233 16 120045	29
233 16 120060	29
233 17 030175	**21**
233 17 030250	21
233 17 030325	21
233 17 040175	21
233 17 040250	21
233 17 040325	21
233 17 050200	21
233 17 050300	21
233 17 050400	21
233 17 050500	21
233 17 060300	21
233 17 060450	21
233 17 060600	21
233 17 060750	21
233 17 080300	21
233 17 080450	21
233 17 080600	21
233 17 100300	21
233 17 100450	21
233 17 100600	21
233 18 040250	**30**
233 18 040325	30
233 18 050300	30
233 18 050400	30
233 18 060300	30
233 18 060450	30
233 18 060600	30
233 18 080300	30
233 18 080450	30
233 18 080600	30
233 18 100300	30
233 18 100450	30
233 18 100600	30
233 20 030020	**33**
233 20 030035	33
233 20 040030	33
233 20 040045	33
233 20 050031	33
233 20 050055	33
233 20 060031	33
233 20 060055	33
233 20 080031	33
233 20 080055	33
233 20 100060	33
233 21 030030	**23**
233 21 040020	23
233 21 040040	23
233 21 040060	23
233 21 050030	23
233 21 050055	23
233 21 050080	23
233 21 060030	23
233 21 060055	23
233 21 060080	23
233 21 080030	23
233 21 080055	23
233 21 080080	23
233 21 080105	23
233 21 100035	23
233 21 100060	23
233 21 100085	23
233 21 120040	23
233 21 120070	23
233 24 040020	**32**
233 24 050030	32
233 24 060030	32
233 24 080030	32
233 26 030015	**28**
233 26 030025	28
233 26 030032	28
233 26 040015	28
233 26 040030	28
233 26 040035	28
233 26 040042	28
233 26 050015	28
233 26 050030	28
233 26 050040	28
233 26 060015	28
233 26 060030	28
233 26 060045	28
233 26 060060	28
233 26 080015	28
233 26 080030	28
233 26 080045	28
233 26 080060	28
233 26 100015	28
233 26 100030	28
233 26 100045	28
233 26 100060	28
233 26 120015	28
233 26 120030	28
233 26 120045	28
233 26 120060	28
233 27 040175	**20**
233 27 040250	20
233 27 040325	20
233 27 050100	20
233 27 050200	20
233 27 050300	20
233 27 050400	20
233 27 060030	20
233 27 060450	20
233 27 080350	20
233 27 080500	20
233 27 100300	20
233 30 030035	**34**
233 30 040035	34
233 30 040050	34
233 30 050045	34
233 30 060045	34
233 30 060065	34
233 30 080045	34
233 30 080065	34
233 30 100045	34
233 31 030015	**24**
233 31 030030	24
233 31 040020	24
233 31 040030	24
233 31 040050	24
233 31 040070	24
233 31 050040	24
233 31 050065	24
233 31 050090	24
233 31 060040	24
233 31 060065	24
233 31 060090	24
233 31 080040	24
233 31 080065	24
233 31 080090	24
233 31 100040	24
233 31 100065	24
233 31 100090	24
233 31 120045	24
233 31 120075	24
233 31 120105	24
233 36 030020	**29**
233 36 030030	29
233 36 040020	29
233 36 040030	29
233 36 040040	29
233 36 050020	29
233 36 050030	29
233 36 050040	29
233 36 060030	29
233 36 060040	29
233 36 060050	29
233 36 060060	29
233 36 080030	29
233 36 080040	29
233 36 080050	29
233 36 080060	29
233 36 100045	29
233 36 100060	29
233 37 040175	**21**
233 37 040250	21
233 37 040325	21
233 37 050200	21
233 37 050300	21
233 37 050500	21
233 37 060300	21
233 37 060450	21
233 37 060600	21
233 37 060750	21
233 37 080300	21
233 37 080450	21
233 37 080600	21
233 37 080750	21
233 37 100300	21
233 37 100450	21
233 37 100600	21
233 41 040020	**17**
233 41 050030	17
233 41 050045	17
233 41 060030	17
233 41 060055	17
233 41 080030	17
233 41 080055	17
233 41 100035	17
233 41 100060	17
233 41 120030	17
233 41 040230	18
233 41 050230	18
233 41 060230	18
233 41 080230	18
233 44 040020	**31**
233 44 050030	31
233 44 060030	31
233 44 080030	31
233 48 030023	**26**
233 48 030030	26
233 48 040020	26
233 48 040040	26
233 48 050030	26
233 48 050040	26
233 48 060001	26
233 48 060045	26
233 48 080001	26
233 48 080002	26
233 48 100035	26
233 48 100055	26
233 48 120045	26
233 49 060509	**26**
233 49 080546	26
233 51 040020	**17**
233 51 050030	17
233 51 060030	17
233 51 080030	17
233 51 080055	17
233 51 100035	17
233 58 030023	**26**
233 58 030030	26
233 58 040020	26
233 58 040040	26
233 58 050001	26
233 58 050040	26
233 58 060030	26
233 58 060045	26
233 58 080001	26
233 58 080055	26
233 58 100035	26
233 58 100055	26
233 58 120045	26
233 91 050807	**47**
233 91 050808	47
233 91 060027	47
233 91 060030	47
233 91 060053	43
233 91 060054	43
233 91 060055	43
233 91 060995	43
233 91 080886	43
233 91 080887	43
233 91 080874	47
233 91 080875	47
233 91 080876	47
233 94 050504	**47**
233 94 050505	47
233 94 060599	47
233 94 060600	47
233 94 080501	47
233 94 080502	47
233 97 050696	**47**
233 97 050694	47
233 97 060776	47
233 97 060813	47
233 97 080741	47
233 97 080757	47
235 10 806020	**52**
235 10 806030	52
235 10 808020	52
235 10 808030	52
235 10 810020	52
235 10 810030	52
235 10 812020	52
235 10 812030	52
235 10 814020	52
235 10 814030	52
235 11 000000	**51**
235 11 005020	52
235 11 005021	52
235 11 005030	52
235 11 005031	52
235 11 006020	52
235 11 006021	52
235 11 006030	52
235 11 006031	52
235 11 008020	52
235 11 008021	52
235 11 008030	52
235 11 008031	52
235 11 067006	52
235 11 800000	51
235 11 900000	50
235 11 900501	50
235 11 900502	50
235 11 903001	52
235 11 904001	52
235 11 905001	52
235 11 906001	52
235 12 000000	**51**
235 12 005001	52
235 12 006001	52
235 12 008001	52
235 12 010001	52
235 12 100000	51
235 12 104001	52

chanhvinh.com

RIVKLE® – Part number index

235 12 105001	52
235 12 106001	52
235 12 108001	52
235 12 110001	52
235 30 201000	**50**
235 30 201001	50
235 30 201002	50
235 30 205020	52
235 30 205030	52
235 30 206020	52
235 30 206030	52
235 30 208020	52
235 30 208030	52
235 30 210020	52
235 30 210030	52
235 30 212020	52
235 30 212030	52
236 00 301000	**60**
236 11 300001	**60**
236 11 300002	60
236 11 303020	59
236 11 304020	59
236 11 305020	59
236 11 306020	59
236 11 308020	59
236 11 310020	59
236 11 303030	59
236 11 304030	59
236 11 305030	59
236 11 306030	59
236 11 308030	59
236 11 310030	59
236 11 365620	59
236 11 367030	59
236 11 367620	59
236 11 368030	59
236 11 368620	59
236 11 369030	59
236 11 369620	59
236 11 369720	59
236 11 374030	59
236 11 374620	59
236 11 374720	59
236 11 377030	59
236 11 377720	59
236 11 378720	59
236 11 400970	62
236 15 312020	**59**
236 15 312030	59
236 15 600301	61
236 15 601000	53
236 15 601001	61
236 15 801000	57
236 15 900301	61
236 15 901000	56
236 16 001000	**57**
236 16 600300	60
236 16 600303	59
236 16 600304	59
236 16 601000	56
236 16 701000	56
236 17 201000	**53**
236 17 301000	56
236 17 401000	56
236 50 000001	**62**
236 50 000002	62
236 50 000003	62
236 50 000004	62
236 50 000005	62
236 50 000006	62
236 50 000007	62
236 50 000014	61
236 50 000016	61
236 50 000017	61
236 50 000018	61
236 50 000019	61
236 50 000022	61
236 50 000023	61
236 50 000024	61
236 59 900036	**60**
236 59 900037	60
236 59 900042	61
236 80 300000	**62**
236 80 300005	62
236 80 300008	60
236 80 300009	60
236 80 300216	62
236 80 303000	62
236 80 303020	62
236 80 304000	62
236 80 304020	62
236 80 305000	62
236 80 305020	62
236 80 306000	62
236 80 306020	62
236 80 308000	62
236 91 304086	**60**
236 91 304094	60
236 91 305094	60
236 91 305095	60
236 91 306127	60
236 91 306128	60
236 91 308087	60
236 91 308101	60
236 91 308110	60
236 91 310006	60
236 91 310010	60
236 91 310019	59
236 91 310031	59
236 92 378030	**56**
236 99 900057	**61**
236 99 900170	61
236 99 900172	61
282 52 000005	**53**
282 52 214000	58
282 52 214103	58
282 52 214104	58
282 52 214105	58
282 52 214106	58
282 52 214108	58
282 52 214110	58
282 52 214112	58
282 52 214114	58
282 52 214116	58
282 52 214204	58
282 52 214205	58
282 52 214206	58
282 52 214208	58
282 52 214210	58
282 52 214505	58
282 52 214506	58
282 52 214508	58
282 52 214800	58
282 52 214900	58
282 59 010152	**61**
282 59 010664	61
282 59 010665	61
282 59 010791	61
282 59 010792	61
282 59 010820	61
282 59 010984	61
282 59 010985	61
282 59 010986	61
282 59 010988	60
282 59 010989	60
282 59 030350	61
282 59 030351	61
282 59 030352	61
282 59 030354	61
282 59 030356	61
291 40 000001	**62**
343 01 030150	**22**
343 01 040150	22
343 01 050150	22
343 01 060200	22
343 01 080450	22
343 08 030150	**30**
343 08 040200	30
343 08 050300	30
343 08 060300	30
343 08 080300	30
343 21 040020	**18**
343 21 050030	18
343 21 060030	18
343 21 080033	18
343 41 030025	**16**
343 41 040030	16
343 41 040055	16
343 41 050030	16
343 41 050055	16
343 41 060030	16
343 41 060060	16
343 41 080030	16
343 41 080060	16
343 41 100035	16
343 41 100060	16
343 41 120040	16
343 41 120080	16
343 41 040230	18
343 41 050230	18
343 41 060230	18
343 41 080230	18
343 44 040020	**31**
343 44 050030	31
343 44 060030	31
343 44 080030	31
343 48 040020	**25**
343 48 040030	25
343 48 050020	25
343 48 060025	25
343 48 060055	25
343 48 080030	25
343 48 100035	25
343 49 040506	**25**
343 49 040507	25
343 49 050538	25
343 49 100501	25
343 51 040030	**16**
343 51 050030	16
343 51 060030	16
343 51 060055	16
343 51 080030	16
343 51 080060	16
343 51 100060	16
343 58 040025	**25**
343 58 050020	25
343 58 060030	25
343 58 060055	25
343 59 040505	**24**
343 59 050505	24
343 59 060587	25
343 64 050030	**31**
343 64 060030	31
343 64 080030	31
343 66 030015	**27**
343 66 030025	27
343 66 030032	27
343 66 040042	27
343 66 040230	27
343 66 050045	27
343 66 050233	27
343 66 060055	27
343 66 060060	27
343 66 060233	27
343 66 080060	27
343 66 080233	27
343 66 080255	27
343 66 100015	27
343 66 100030	27
343 66 100045	27
343 66 100060	27
343 66 120015	27
343 66 120030	27
343 66 120045	27
343 66 120060	27
343 67 030020	**19**
343 67 030030	19
343 67 040040	19
343 67 040230	19
343 67 050040	19
343 67 050230	19
343 67 060040	19
343 67 060060	19
343 67 060230	19
343 67 080045	19
343 67 080060	19
343 67 080230	19
343 67 100045	19
343 67 100060	19
343 67 100235	19
343 67 120045	19
343 67 120060	19
343 74 040020	**31**
343 74 050030	31
343 74 060030	31
343 74 080030	31
343 76 030015	**27**
343 76 030025	27
343 76 030032	27
343 76 040030	27
343 76 040035	27
343 76 040042	27
343 76 050020	27
343 76 050030	27
343 76 050045	27
343 76 060015	27
343 76 060030	27
343 76 060045	27
343 76 060060	27
343 76 080015	27
343 76 080030	27
343 76 080045	27
343 76 080060	27
343 76 100015	27
343 76 100030	27
343 76 100045	27
343 76 100060	27
343 76 120015	27
343 76 120030	27
343 76 120045	27
343 76 120060	27
343 77 030015	**19**
343 77 030030	19
343 77 040030	19
343 77 040040	19
343 77 050040	19
343 77 050030	19
343 77 060031	19
343 77 060045	19
343 77 060060	19
343 77 080030	19
343 77 080040	19
343 77 080045	19
343 77 080060	19
343 77 100030	19
343 77 100045	19
343 77 100060	19
343 77 120030	19
343 77 120045	19
343 77 120060	19
343 98 030590	**25**
343 98 030591	25
343 98 030592	25
343 98 030593	25
343 98 040629	25
343 98 040630	25
343 98 050629	25
343 98 050683	25
343 98 060624	25
343 98 060630	25
343 98 060637	25
343 98 060638	25
343 98 080625	25
343 98 080629	25
343 98 080631	25
343 98 100691	25
343 98 100692	25
343 98 100693	25
343 98 120501	25
343 98 120502	25
372 27 050110	**36**
372 27 050115	36
372 27 050120	36
372 27 050125	36
372 27 060115	36
372 27 060120	36
372 27 060125	36
372 27 080115	36
372 27 080120	36
372 27 080125	36
372 29 060504	**36**
372 29 080506	36
372 59 050501	**35**
372 91 060502	**35**
372 91 060506	35
372 91 060509	35
372 91 060517	35
372 91 060527	35
372 91 060539	43
372 91 080502	35
372 91 080507	35
372 91 080510	35
372 97 059505	**36**
372 97 059507	36
372 97 059508	36
372 97 060518	35
372 97 060519	35
372 97 060537	47
372 97 069501	36
372 97 069502	36
372 97 069503	36
372 97 069504	36
372 97 069505	36
372 97 069506	36
372 97 069507	36
372 97 080505	35
372 97 080507	35
372 97 080510	35
372 98 050502	**37**
372 98 050503	37
372 98 050504	37
372 98 060506	37
372 98 060507	37
372 98 060508	37
376 11 304020	**59**
376 11 304030	59
376 11 305020	59
376 11 305030	60
376 11 306020	59
376 11 306030	60
376 11 308020	59
376 11 308030	59
376 91 310020	**59**
376 91 310030	59
376 91 305401	60
563 50 050010	**60**
668 30 411038	**45**
668 30 411068	45
668 30 488038	45
668 30 511044	45
668 30 511081	45
668 30 588044	45
668 30 588081	45
668 30 611071	45
668 30 611127	45
668 30 688071	45
668 30 688127	45
668 30 811071	45
668 30 811127	45
668 30 888071	45
668 31 011071	**45**
668 31 011127	45
668 31 088071	45
668 70 511030	**45**
668 70 611050	45
668 70 811050	45
M1000085000	**62**

chanhvinh.com

BÖLLHOFF

Passion for successful joining.

Böllhoff Group
Innovative partner for joining technology with assembly and logistics solutions.

Find your local partner at www.boellhoff.com or contact us at fat@boellhoff.com.

chanhvinh.com

2307/25-V1-EN (BOF)

Subject to technical change.
Reprinting, even in extract form, only permitted with express consent.
Observe protective note according to ISO 16016.