



Exceptional
Customer
Service

Same Day
Shipping

Easy
Fastening
Solutions

Repair & Service
Tools / Rentals

Tools & Parts
In Stock

RIVKLE®

Blind rivet nuts and studs

BÖLLHOFF



Sales@RivetNutUSA.com

*Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.*

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

A man with short brown hair and a light beard, wearing safety glasses and a blue t-shirt, is leaning over a large industrial machine. He is smiling slightly and looking towards the camera. The machine is red and blue, with various mechanical parts visible. The background shows a factory setting with blue structural elements and a grid pattern on a wall.

PASSION FOR SUCCESSFUL JOINING

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

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.



Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX
≡

An optimized assembly solution for improved performance

PERFORMANCE



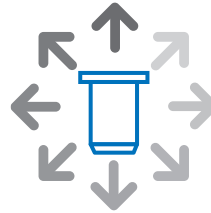
■ A repeatable solution

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.



Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

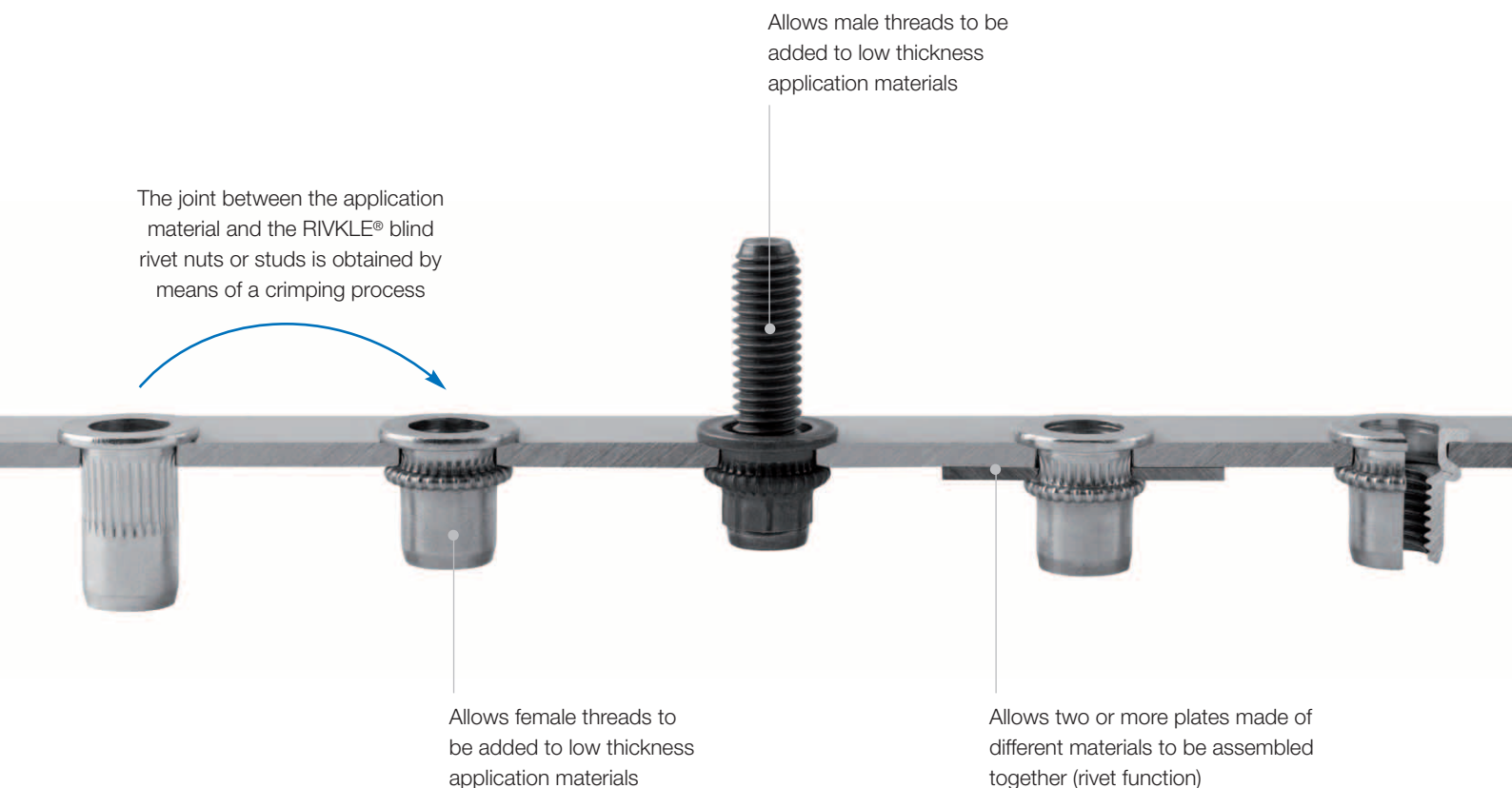
INDEX

5

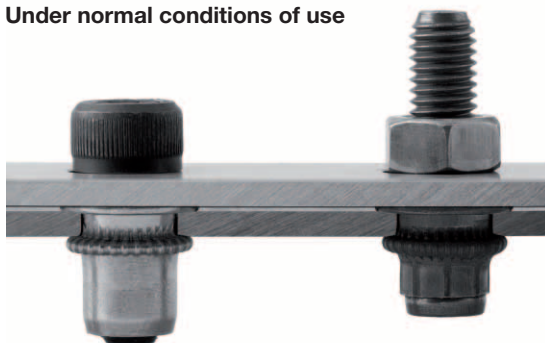
68

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.

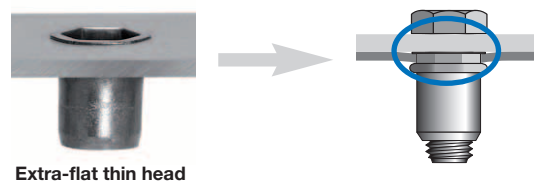


Under normal conditions of use



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.



Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

Sales@RivetNutUSA.com

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

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.

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

7

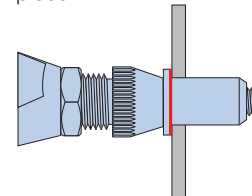
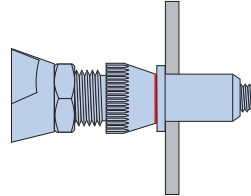
68

Setting of **RIVKLE®** fasteners

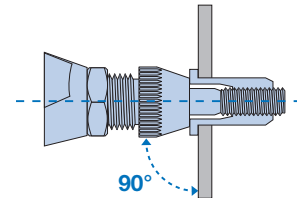
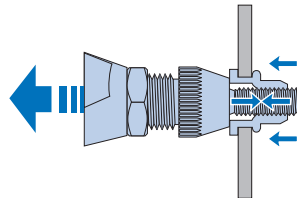
Setting parameters

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 products 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.

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-AMg2,5	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 ① = Zn8K+/Fe ; ② = ZnNi8A/Fe

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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX



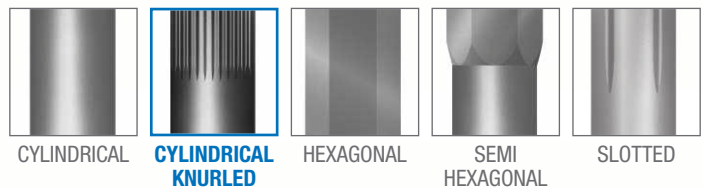
RIVKLE® – Selection of the blind rivet nuts or studs

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



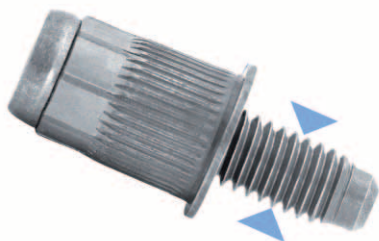
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

RIVKLE® – Selection of the blind rivet nuts or studs

DIAMETER



M3	M4	M5
M6	M8	M10
M12	M14	M16

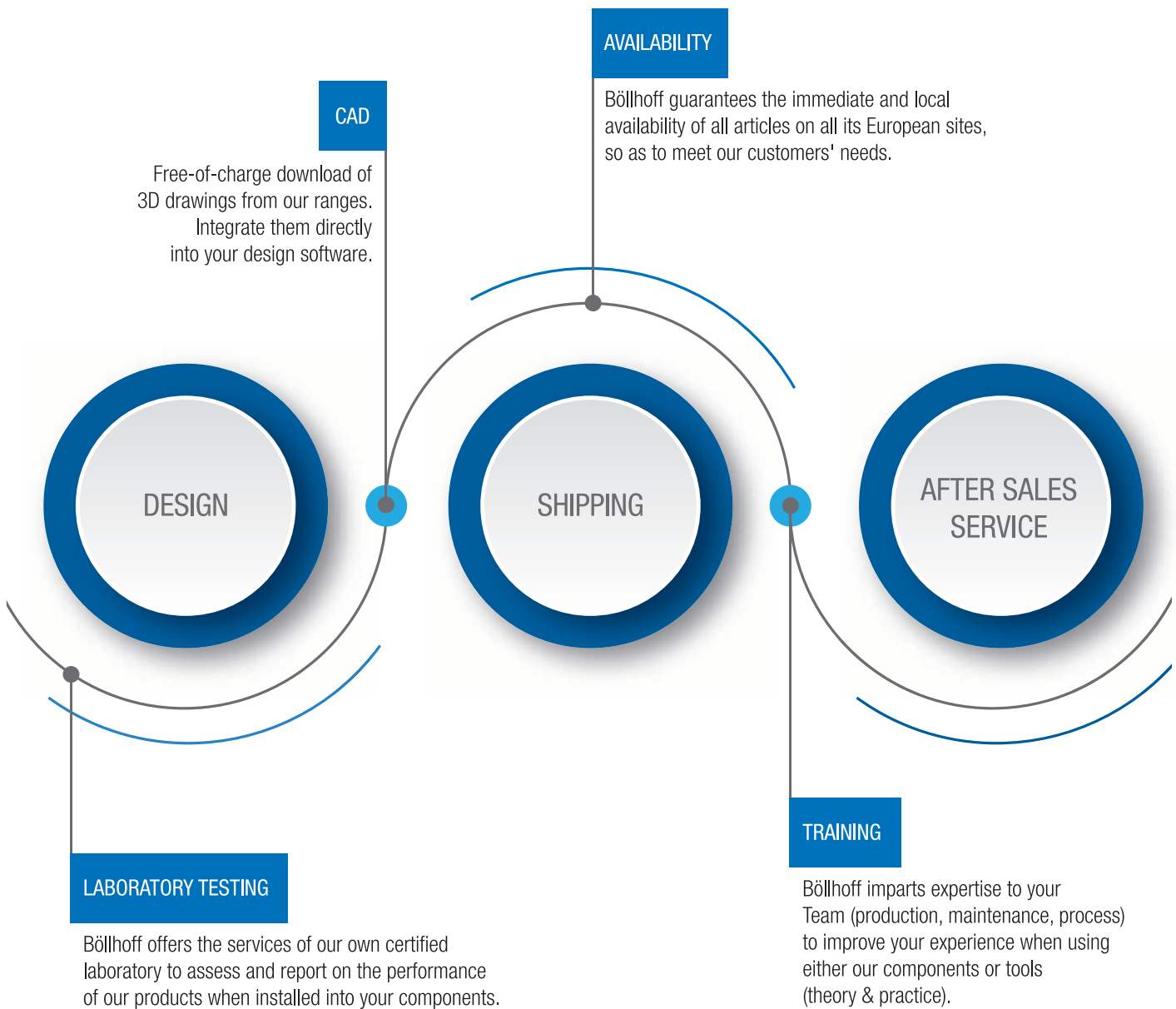
+	BODY	✓
+	HEAD	✓
+	THREAD	✓
+	END	✓
+	MATERIAL	✓
<	- DIAMETER	
+	GRIP THICKNESS	
+	PLATING	
+	ADDITIONAL FUNCTIONS	



Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200



Sales@RivetNutUSA.com

*Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.*

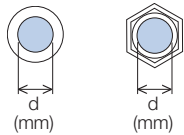
ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

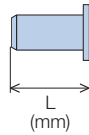
12

68

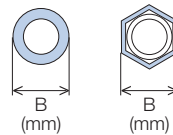
RIVKLE® – Legend



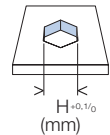
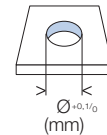
Thread size



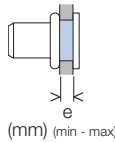
Overall length



Head diameter
If round → diameter
If hexagonal → width across flats

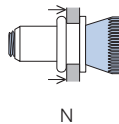


Hole geometry
If round → diameter
If hexagonal → width across flats

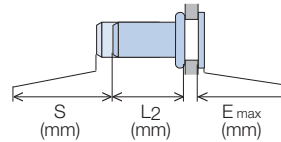


Grip range

Defines the range of total thickness of the customer's part (even if it consists of more than one layer)



Setting load



Head projection after setting

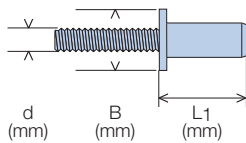
Variable according to the application (setting load, material substrate, etc.)

Blind side projection after installation

Defines the clearance needed on the blind side (cannot be used for quality control)

Setting stroke

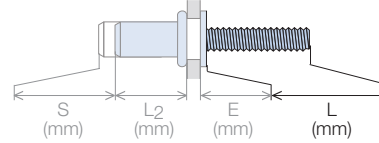
Difference of total length before and after installation



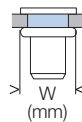
Shank length

Head diameter

Tip diameter



Tip length

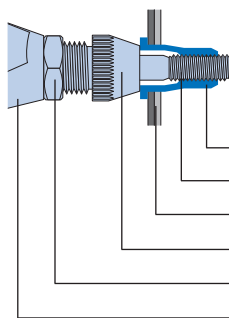


Maximum bulge diameter

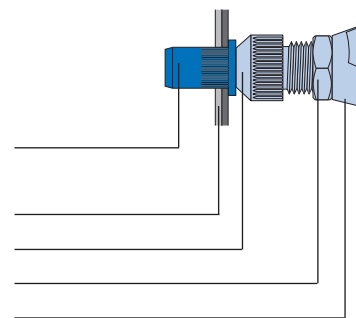
d (mm)	W (mm)
M3	6,8 mm
M4	8,6 mm
M5	10,1 mm
M6	13,0 mm
M8	15,0 mm
M10	18,0 mm
M12	22,4 mm

RIVKLE® blind rivet nut

RIVKLE® blind rivet stud



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



*in accordance to chosen RIVKLE®

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

RIVKLE®

THE STANDARD LINE



Sales@RivetNutUSA.com

*Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.*

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

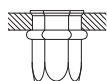
INDEX

14

68

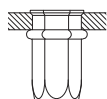
General presentation of the RIVKLE® product line	
An optimized assembly solution for improved performance	4
The RIVKLE® technology	6
Setting of RIVKLE® fasteners.	7
Material and surface treatment.	9
Selection of the blind rivet nuts or studs	10
Additional services.	12
Legend	13
The standard RIVKLE® line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

RIVKLE® – Standard blind rivet nuts - Steel



Steel | Thin head | Hexagonal | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H (mm) $H^{+0,1/0}$	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		0,5	343 41 100 060
M12		24,8	17,6	1,0 - 4,0	16,0	S=7,8-e	14,0	0,85	343 41 120 040
		27,7		4,0 - 10,0		S=13,5-e			343 41 120 080



Steel | Thin head | Hexagonal | Closed

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H (mm) $H^{+0,1/0}$	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		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		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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

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)	 L2 (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)	 L2 (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

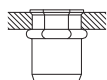
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

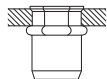
INDEX

RIVKLE® – Standard blind rivet nuts - Steel



Steel | Thin head | Semi-Hexagonal | Open

									
	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H ± 0.10 (mm)	S (mm)	L2 (mm)	E max (mm)	
M4	10,7	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	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	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	17,25	12,0	0,5 - 3,0	11,0	S=5,8-e	11,3	0,4	343 41 080 230

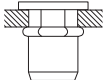


Steel | Thin head | Semi-Hexagonal | Open

									
	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H ± 0.10 (mm)	S (mm)	L2 (mm)	E max (mm)	
M4	10,3	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	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	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	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 ± 0.10 (mm)	S (mm)	L2 (mm)	E (mm)	
M4	11,0	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	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	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	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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

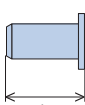
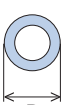
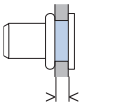
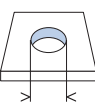
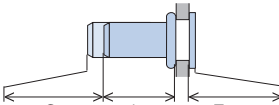
ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

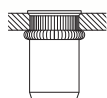
INDEX

RIVKLE® – Standard blind rivet nuts - Steel

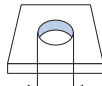
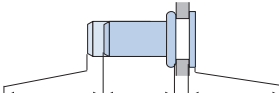
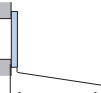


Steel | Thin head | Knurled | Open

								
M3	9,0 9,8	5,7 5,75	0,5 - 2,0 1,5 - 3,0	5,0	S=3,6-e S=3,6-e	5,5 5,7	0,4	343 67 030 020 343 67 030 030
M4	10,7 11,9	6,6	0,5 - 3,0 2,5 - 4,0	6,0	S=4,2-e S=5,6-e	6,3 5,9	0,3 0,4	343 67 040 230 343 67 040 040
M5	12,75 13,8	8,0 7,6	0,5 - 3,0 2,5 - 4,0	7,0	S=5,3-e S=5,8-e	7,4 7,6	0,3 0,4	343 67 050 230 343 67 050 040
M6	13,8 16,25 16,9	10,0 9,6	0,5 - 3,0 3,0 - 4,5 4,5 - 6,0	9,0	S=5,1-e S=6,5-e S=8,2-e	8,5 10,0 8,5	0,4 0,5 0,3	343 67 060 230 343 67 060 040 343 67 060 060
M8	17,25 18,9 20,5	12,0 11,8	0,5 - 3,0 3,0 - 4,5 4,5 - 6,0	11,0	S=6,0-e S=6,7-e S=8,3-e	11,1 11,8	0,4	343 67 080 230 343 67 080 045 343 67 080 060
M10	20,75 21,9 23,5	14,0 13,8	0,7 - 3,5 3,0 - 4,5 4,5 - 6,0	13,0	S=6,5-e S=7,5-e S=9,1-e	14,0	0,5 0,4	343 67 100 235 343 67 100 045 343 67 100 060
M12	25,8 27,4	17,0	3,0 - 4,5 4,5 - 6,0	16,0	S=7,5-e S=9,1-e	17,8	0,5	343 67 120 045 343 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	6,6	0,5 - 3,0	6,0	S=4,9-e	12,8	0,3	343 77 040 030
	16,9		2,5 - 4,0		S=5,7-e			10,9
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		2,5 - 4,0		S=6,0-e			13,5
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		3,0 - 4,5		S=6,6-e			13,5
	21,9	9,6	4,5 - 6,0		S=7,3-e	13,6	0,3	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		1,0 - 4,0		S=7,4-e			19,0
	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		3,0 - 4,5		S=7,9-e			343 77 120 045
	36,4	17,0	4,5 - 6,0		S=9,6-e	26,4		343 77 120 060

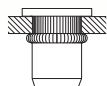
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

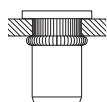
INDEX

RIVKLE® – Standard blind rivet nuts - Steel



Steel | Flat head | Knurled | Open

									
	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø (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	6,1		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	8,0	0,50 - 3,00	6,0	S=4,3-e	5,8	1,0	233 07 040 230
	11,6			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	16,0	0,70 - 3,50	13,0	S=6,1-e	13,9	2,0	233 07 100 235
	24,0			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 (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	11,0	0,50 - 3,00	9,0	S=4,5-e	15,0	1,5	233 27 060 030
	25,2			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

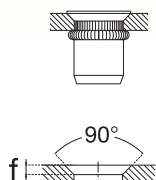
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

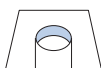
ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

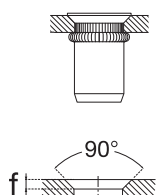
INDEX

RIVKLE® – Standard blind rivet nuts - Steel

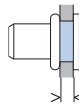
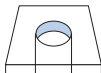
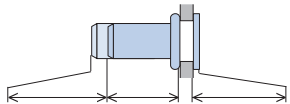


Steel | Countersunk head | Knurled | Open

	 d (mm)	 L (mm)	 B (mm)	 e (mm) (min - max)	 Ø ^{+0,1/0} (mm)	 f (mm)	 S (mm)	 L ₂ (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	6,4		233 17 040 250	
	10,8		2,50 - 3,25			S=4,3-e			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			233 37 040 325
M5	17,7	9,0	1,00 - 2,00	7,0	1,0	S=3,0-e	14,6	0,1	233 37 050 200
	18,8		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			S=6,2-e			233 37 060 450
	25,2		4,50 - 6,00		1,5	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		3,00 - 4,50			S=7,0-e			233 37 080 450
	28,0	14,0	4,50 - 6,00		2,0	S=8,6-e	19,3		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		3,00 - 4,50		2,0	S=5,3-e			233 37 100 450
	33,5	16,0	4,50 - 6,00			S=8,9-e			233 37 100 600

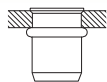
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

RIVKLE® – Standard blind rivet nuts - Steel

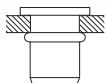


Steel | Thin head | Plain | Open

									
	(mm)	(mm)	(mm)	(mm) (min - max)	(mm)	(mm)	(mm)	(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



For holes with imperial dimensions



Steel | Flat head | Plain | Open

									
	(mm)	(mm)	(mm)	(mm) (min - max)	(mm)	(mm)	(mm)	(mm)	
M3	8,3			0,5 - 1,0		S=2,1-e	5,2		233 01 030 010
	8,7			1,0 - 1,5		S=3,2-e	4,8		233 01 030 015
	9,7	7,5		1,5 - 3,0	5,0	S=4,2-e		1,0	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			0,5 - 1,0		S=2,6-e	5,4		233 01 040 010
	10,2			0,5 - 2,0		S=3,6-e	5,4		233 01 040 020
	11,8	9,0		2,0 - 4,0	6,0	S=5,6-e	5,6	1,0	233 01 040 040
	13,8			4,0 - 6,0		S=7,5-e	5,3		233 01 040 060
M5	13,75			0,5 - 3,0		S=5,0-e	8,0		233 01 050 030
	16,7	10,0		3,0 - 5,5	7,0	S=7,5-e		1,0	233 01 050 055
	19,8			5,5 - 8,0		S=9,7-e	9,1		233 01 050 080
M6	15,8			0,5 - 3,0		S=5,2-e	10,0		233 01 060 030
	18,7	13,0		3,0 - 5,5	9,0	S=7,9-e	9,3	1,5	233 01 060 055
	21,7			5,5 - 8,0		S=10,2-e	10,0		233 01 060 080
M8	17,8			0,5 - 3,0		S=5,7-e	11,0		233 01 080 030
	20,8			3,0 - 5,5		S=8,2-e	11,0		233 01 080 055
	23,8	16,0		5,5 - 8,0	11,0	S=10,6-e	11,7	1,5	233 01 080 080
	26,8			8,0 - 10,5		S=13,5-e	11,8		233 01 080 105
M10	22,75			1,0 - 3,5		S=6,5-e			233 01 100 035
	25,75	19,0		3,5 - 6,0	13,0	S=9,0-e		2,0	233 01 100 060
	27,75			6,0 - 8,5		S=11,5-e	15,0		233 01 100 085
	31,8			8,5 - 11,0		S=14,0-e			233 01 100 110
M12	26,7			1,0 - 4,0		S=7,7-e	17,1		233 01 120 040
	29,7	23,0		4,0 - 7,0	16,0	S=10,7-e		2,0	233 01 120 070
	34,8			7,0 - 10,0		S=13,7-e	17,5		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

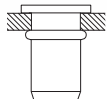
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

RIVKLE® – Standard blind rivet nuts - Steel



Steel | Flat head | Plain | Closed

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

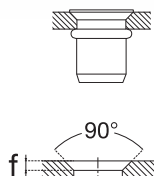
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

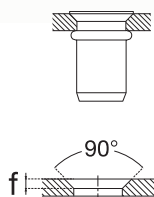
INDEX

RIVKLE® – Standard blind rivet nuts - Steel



Steel | Countersunk head | Plain | Open

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



Steel | Countersunk head | Plain | Closed

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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

RIVKLE® – Standard blind rivet nuts - Stainless steel

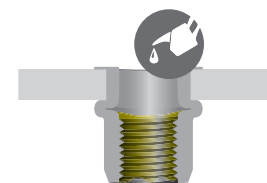
Industrial markets are constantly changing, bringing new applications and new customer needs.

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)	L ₂ (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		S=4,2-e	9,7	0,45	343 48 060 025		
	14,3	9,7		9,0			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		343 98 060 630		
M8	15,8	12,5	0,5 - 3,0	11,0	S=4,7-e	10,4	0,5	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)	L ₂ (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

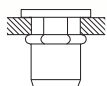
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

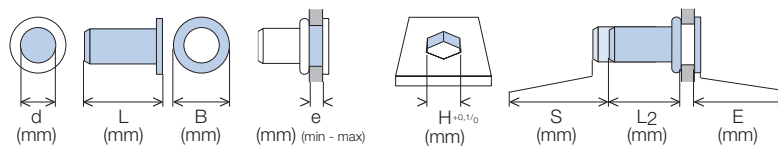
ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

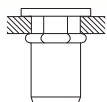
RIVKLE® – Standard blind rivet nuts - Stainless steel



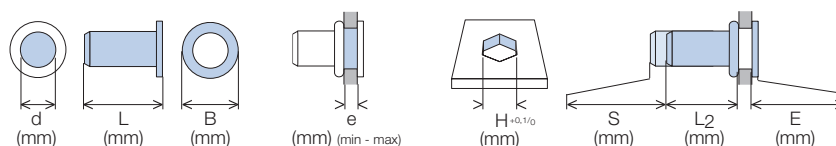
Stainless steel | Flat head | Semi-hexagonal | Open



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



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
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
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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

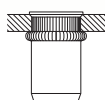
INDEX

RIVKLE® – Standard blind rivet nuts - Stainless steel



Stainless steel | Thin head | Knurled | Open

	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	$\varnothing_{\pm 0,1/0}$ (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	8,7			0,7 - 1,5		S=2,4-e			343 66 030 015
	7,9		6,0	1,5 - 2,5	5,0	S=3,5-e	5,9	0,3	343 66 030 025
	10,5			2,0 - 3,2		S=4,6-e			343 66 030 032
M4	11,6			0,7 - 3,0		S=4,0-e	7,5	0,5	343 66 040 230
	12,5		7,0	2,5 - 4,2	6,0	S=4,6-e	6,6	0,3	343 66 040 042
M5	12,3			0,7 - 3,3		S=4,4-e	8,0	0,5	343 66 050 233
	14,5		8,0	3,3 - 4,5	7,0	S=6,3-e	8,2	0,3	343 66 050 045
M6	14,5			0,7 - 3,3		S=5,7-e	8,6	0,6	343 66 060 233
	17,5		10,0	3,0 - 5,5	9,0	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			0,7 - 3,3		S=6,5-e	9,5		343 66 080 233
	18,6		12,0	3,3 - 5,5	11,0	S=9,0-e	10,0	0,6	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			0,8 - 1,5		S=3,9-e			343 66 100 015
	19,9			1,5 - 3,0		S=5,5-e			343 66 100 030
	21,5		14,0	3,0 - 4,5	13,0	S=7,1-e	13,9	0,4	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		S=3,8-e			343 66 120 015
	23,1			1,5 - 3,0		S=5,4-e			343 66 120 030
	24,7		17,5	3,0 - 4,5	16,0	S=7,0-e	17,2	0,4	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)	$\varnothing_{\pm 0,1/0}$ (mm)	S (mm)	L2 (mm)	E max (mm)	
M3	13,0			0,7 - 1,5		S=2,4-e			343 76 030 015
	14,1		6,0	1,5 - 2,5	5,0	S=3,5-e	10,2	0,3	343 76 030 025
	14,8			2,0 - 3,2		S=4,6-e			343 76 030 032
M4	15,7			0,7 - 3,0		S=3,8-e	12,0	0,5	343 76 040 030
	16,7		7,0	2,5 - 3,5	6,0	S=4,0-e			343 76 040 035
M5	17,5			2,5 - 4,2		S=4,7-e	11,9	0,3	343 76 040 042
	17,8		8,0	0,8 - 2,0		S=3,2-e			343 76 050 020
	18,9			2,0 - 3,0	7,0	S=4,3-e	14,2	0,3	343 76 050 030
M6	20,5			3,0 - 4,5		S=5,4-e			343 76 050 045
	17,3			0,8 - 1,5		S=3,1-e	13,7		343 76 060 015
	19,4		10,0	0,5 - 3,0	9,0	S=4,7-e	14,0	0,4	343 76 060 030
	20,4			3,0 - 4,5		S=6,3-e	13,6		343 76 060 045
M8	22,0			4,5 - 6,0		S=7,9-e			343 76 060 060
	20,3			0,8 - 1,5		S=3,1-e			343 76 080 015
	21,9		12,0	1,5 - 3,0	11,0	S=4,7-e	16,7	0,4	343 76 080 030
	23,5			3,0 - 4,5		S=6,3-e			343 76 080 045
M10	25,1			4,5 - 6,0		S=7,9-e			343 76 080 060
	26,3			0,8 - 1,5		S=3,9-e			343 76 100 015
	27,9		14,0	1,5 - 3,0	13,0	S=5,5-e	21,9	0,4	343 76 100 030
	29,5			3,0 - 4,5		S=7,1-e			343 76 100 045
M12	31,1			4,5 - 6,0		S=8,7-e			343 76 100 060
	30,5		17,0	0,8 - 1,5		S=3,8-e			343 76 120 015
	32,1			1,5 - 3,0		S=3,8-e			343 76 120 030
	33,7		17,5	3,0 - 4,5	16,0	S=7,0-e	26,2	0,4	343 76 120 045
	35,3			4,5 - 6,0		S=8,6-e			343 76 120 060

Sales@RivetNutUSA.com

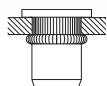
Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)

Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

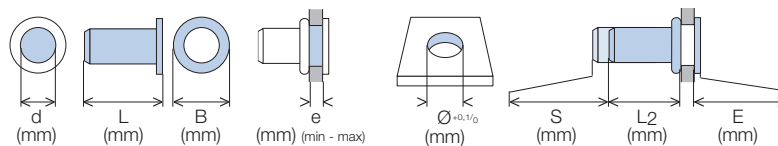
ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

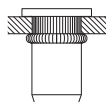
RIVKLE® – Standard blind rivet nuts - Stainless steel



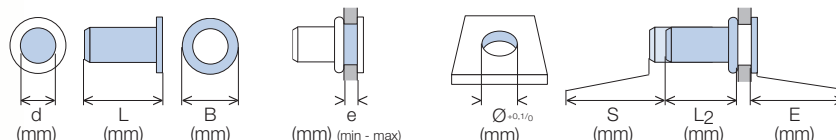
Stainless steel | Flat head | Knurled | Open



	d (mm)	L (mm)	B (mm)	e (mm)	Ø+0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M3	9,3			0,7 - 1,5		S=2,4-e			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			0,7 - 3,0		S=4,0-e			233 06 040 230
	12,4			2,5 - 4,2		S=4,7-e			233 06 040 042
	12,7			0,7 - 3,3		S=5,3-e			233 06 050 233
M5	14,9			3,0 - 4,5		S=5,4-e			233 06 050 045
	15,2			0,7 - 3,3		S=5,7-e			233 06 060 233
	16,4			3,0 - 4,5		S=6,3-e			233 06 060 045
M6	18,2			4,5 - 6,0		S=7,9-e			233 06 060 060
	16,9			0,7 - 3,3		S=6,5-e			233 06 080 233
	19,0			3,0 - 5,5		S=8,5-e			233 06 080 255
M8	20,0			4,5 - 6,0		S=7,9-e			233 06 080 060
	19,8			0,8 - 1,5		S=3,9-e			233 06 100 015
	21,4			1,5 - 3,0		S=5,5-e			233 06 100 030
M10	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
	23,0			0,8 - 1,5		S=3,8-e			233 06 120 015
M12	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)	Ø+0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	
M3	13,6			0,7 - 1,5		S=2,4-e			233 26 030 015
	14,7			1,5 - 2,5		S=3,5-e			233 26 030 025
	15,4			2,3 - 3,2		S=4,4-e			233 26 030 032
M4	14,8			0,7 - 1,5		S=2,6-e			233 26 040 015
	16,2			0,7 - 3,0		S=4,8-e			233 26 040 030
	16,7			2,5 - 3,5		S=4,7-e			233 26 040 035
M5	17,5			2,5 - 4,2		S=5,5-e			233 26 040 042
	17,8			0,7 - 1,5		S=2,8-e			233 26 050 015
	19,3			1,5 - 3,0		S=4,5-e			233 26 050 030
M6	20,4			3,0 - 4,0		S=5,6-e			233 26 050 040
	18,3			0,8 - 1,5		S=3,1-e			233 26 060 015
	19,8			1,5 - 3,0		S=4,7-e			233 26 060 030
M8	21,4			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
	21,3			0,8 - 1,5		S=3,2-e			233 26 080 015
M10	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
M12	27,8			0,8 - 1,5		S=3,9-e			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
M12	32,6			4,5 - 6,0		S=8,7-e			233 26 100 060
	32,0			0,8 - 1,5		S=3,8-e			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

Sales@RivetNutUSA.com

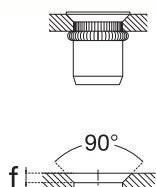
Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

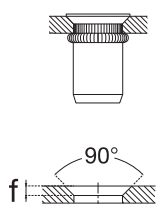
RIVKLE® – Standard blind rivet nuts - Stainless steel

Stainless steel | Countersunk head | Knurled | Open



	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	$\varnothing_{+0,1/0}$ (mm)	f (mm)	S (mm)	L ₂ (mm)	E _{max} (mm)	
M3	8,8	7,0		1,3 - 2,0	5,0	0,9	S=2,9-e	5,9	0,1	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
M5	11,4	9,0		3,0 - 4,0	7,0	0,9	S=6,5-e	7,8	0,1	233 16 040 040
	11,3			1,5 - 2,0			S=3,4-e			233 16 050 020
M5	12,3	9,0		2,0 - 3,0	7,0	0,9	S=4,5-e	7,8	0,1	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			4,0 - 5,0			S=6,9-e			233 16 060 050
M6	16,5	11,0		5,0 - 6,0	9,0	0,9	S=8,0-e	8,6	0,1	233 16 060 060
	15,3			1,5 - 3,0			S=4,7-e			233 16 080 030
M8	16,3	14,0		3,0 - 4,0	11,0	1,4	S=5,8-e	10,6	0,1	233 16 080 040
	17,4			4,0 - 5,0			S=6,9-e			233 16 080 050
M8	18,5	14,0		5,0 - 6,0	11,0	1,4	S=8,0-e	10,6	0,1	233 16 080 060
	19,4			1,5 - 3,0			S=5,5-e			233 16 100 030
M10	21,0	16,0		3,0 - 4,5	13,0	1,4	S=7,1-e	13,9	0,1	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
M12	25,8	19,0		4,5 - 6,0	16,0	1,4	S=8,6-e	17,2	0,1	233 16 120 060

Stainless steel | Countersunk head | Knurled | Closed



	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	$\varnothing_{+0,1/0}$ (mm)	f (mm)	S (mm)	L ₂ (mm)	E _{max} (mm)	
M3	13,1	7,0		1,3 - 2,0	5,0	0,9	S=2,9-e	10,2	0,1	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
M4	16,4	8,0		3,0 - 4,0	6,0	0,9	S=6,5-e	11,2	0,1	233 36 040 040
	17,3			1,5 - 2,0			S=3,4-e			233 36 050 020
M5	18,3	9,0		2,0 - 3,0	7,0	0,9	S=4,5-e	13,9	0,1	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
M6	20,4	11,0		4,0 - 5,0	9,0	0,9	S=6,9-e	13,6	0,1	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
M8	23,4	14,0		4,0 - 5,0	11,0	1,4	S=6,9-e	16,5	0,1	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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

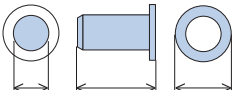
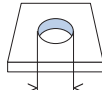
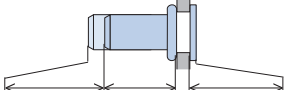
ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

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)	L ₂ (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)	$\varnothing^{+0,1/0}$ (mm)	S (mm)	L ₂ (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)	L ₂ (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					S=5,2-e			233 08 040 035
M5	12,5	10,0		0,5 - 3,0	7,0	S=4,7-e	7,7	1,0	233 08 050 030
	14,3					S=5,6-e			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					S=7,75-e			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					S=7,0-e			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					S=7,2-e			233 08 100 450
	25,6					S=8,8-e			233 08 100 600

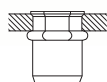
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

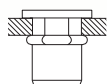
INDEX

RIVKLE® – Standard blind rivet nuts - Stainless steel A4



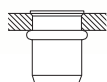
Stainless steel A4 | Thin head | Semi-hexagonal | Open

	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		7,0	12 000	7,2		343 44 050 030
M6		14,5	9,7	0,5 - 3,0	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



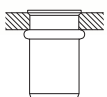
Stainless steel A4 | Flat head | Semi-hexagonal | Open

	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		7,0	12 000	7,2	1,5	233 44 050 030
M6		16,0	12,0	0,5 - 3,0	9,0	15 000	9,3		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		7,0	12 000	13,2		343 74 050 030
M6		21,5	9,5	0,5 - 3,0	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



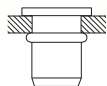
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

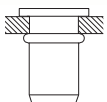
INDEX

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		7,0	12 000	7,5		233 04 050 030
M6		16,0	12,0		9,0	15 000	10,0	1,5	233 04 060 030
M8		17,5	15,0		11,0	20 000	11,2		233 04 080 030



Stainless steel A4 | 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		7,0	12 000	13,2		233 24 050 030
M6		23,0	12,0		9,0	15 000	17,0	1,5	233 24 060 030
M8		25,0	15,0		11,0	20 000	18,7		233 24 080 030



Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

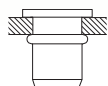
ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

32

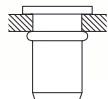
68

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		S=3,2-e		0,75	233 00 030 020
	10,75	7,5		2,00 - 3,50	5,0	S=4,3-e	5,4	1,0	233 00 030 035
M4	11,0	9,0		0,25 - 2,50		S=4,1-e	6,3	1,0	233 00 040 025
	13,0	10,0		3,00 - 4,50	6,0	S=5,9-e	6,4	0,75	233 00 040 046
M5	13,6	10,0		0,50 - 3,00		S=4,5-e	7,8	1,0	233 00 050 030
	16,0	11,0		3,00 - 5,50	7,0	S=6,7-e	8,3	1,0	233 00 050 056
M6	16,6			0,50 - 3,00		S=5,0-e	10,4	1,5	233 00 060 030
	18,0	13,0		3,00 - 5,50	9,0	S=6,8-e	9,7	1,5	233 00 060 056
M8	20,0			0,50 - 3,00		S=5,8-e	12,7	1,5	233 00 080 030
	20,0	16,0		3,00 - 5,50	11,0	S=7,2-e	11,3	1,5	233 00 080 056
M10	25,0			0,80 - 3,50		S=6,2-e	16,8	2,0	233 00 100 035
	27,7	19,0		3,50 - 6,00	13,0	S=8,7-e	17,0	2,0	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		S=3,0-e	9,3	1,0	233 20 030 020
	15,1			2,00 - 3,50	5,0	S=4,3-e	9,8		233 20 030 035
M4	15,5	10,0		0,50 - 3,00		S=4,0-e	10,8	0,75	233 20 040 030
	18,1	9,0		2,50 - 4,50	6,0	S=5,6-e	11,5	1,0	233 20 040 045
M5	19,0	11,0		0,50 - 3,00		S=4,5-e	13,5	1,0	233 20 050 031
	21,9	10,0		3,00 - 5,50	7,0	S=6,9-e	14,0	1,0	233 20 050 055
M6	23,0			0,50 - 3,00		S=4,5-e	17,3	1,5	233 20 060 031
	26,3	13,0		3,00 - 5,50	9,0	S=7,7-e	17,1	1,5	233 20 060 055
M8	24,0			0,50 - 3,00		S=4,5-e	18,0	1,5	233 20 080 031
	31,0	16,0		3,00 - 5,50	11,0	S=8,5-e	21,0	1,5	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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

33

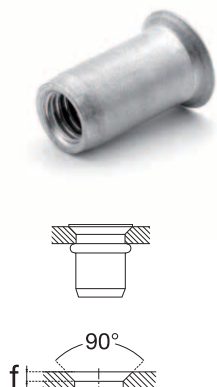
68

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

See page 41.

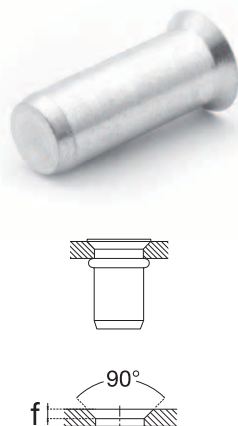
RIVKLE® – Standard blind rivet nuts - Aluminium

Aluminium | Countersunk head | Plain | Open



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

Aluminium | Countersunk head | Plain | Closed



	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	$\varnothing_{+0,1/0}$ (mm)	f (mm)	S (mm)	L ₂ (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 19,3	8,2		1,5 - 3,5 3,5 - 5,0	6,0	1,3	S=4,6-e S=6,0-e	11,6 11,8	0,1	233 30 040 035 233 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 27,3	11,7		1,5 - 4,5 4,5 - 6,5	9,0	1,5	S=6,5-e S=8,6-e	17,0	0,1	233 30 060 045 233 30 060 065
M8	30,0 32,1	13,5		1,5 - 4,5 4,5 - 6,5	11,0	1,5	S=6,9-e S=9,1-e	21,4 21,3	0,1	233 30 080 045 233 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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

34

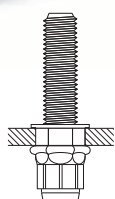
68

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

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)		
M6	10,0	15,8	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	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)		
M5	10,0	12,0	12,0	0,5 - 3,0	7,0	S=4,4-e	7,0	1,0	11,5 - 16,0	372 59 050 501*	✓
									16,5 - 21,0	372 91 060 506	✓
M6	13,0	14,3	14,3	0,5 - 3,0	9,0	S=4,8-e	8,0	1,5	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	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	✓
									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)		
M6	10,0	15,3	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	✓
									14,5 - 19,5	372 97 080 505	✓
M8	12,0	17,5	17,5	1,0 - 4,0	11,0	S=7,0-e	9,5	0,6	22,0 - 27,0	372 97 080 507	✓
									22,4 - 27,4	372 97 080 510	✓

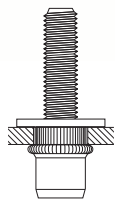
Coating: ❶ = Zn8K+/Fe ; ❷ = ZnNi8A/Fe

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

RIVKLE® – Standard blind rivet studs - Steel



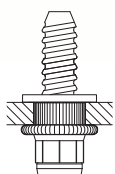
Steel | Flat head | Knurled

	d (mm)	B (mm)	L1 (mm)	e (mm) (min - max)	Ø ±0,1/0 (mm)	S (mm)	L2 (mm)	E (mm)	L (mm)		1	2
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			18,5 - 23,0	372 27 080 120	✓		
		18,3	3,0 - 5,5		S=7,6-e			18,0 - 22,5	372 29 080 506		✓	
		15,6	0,5 - 3,0		S=5,7-e			23,5 - 28,0	372 27 080 125	✓		

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

Coating: 1 = Zn8K+/Fe ; 2 = 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)		1	2
D5	10,0	10,2	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	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: 1 = Zn8K+/Fe ; 2 = ZnNi8A/Fe

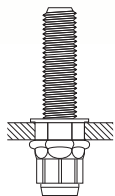
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

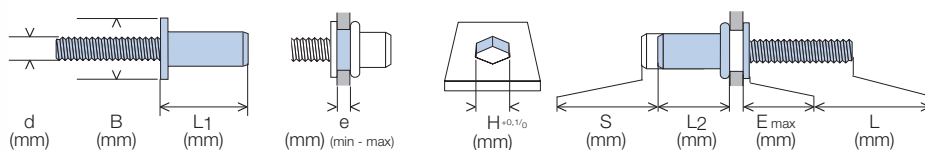
ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

RIVKLE® – Standard blind rivet studs - Stainless steel



Stainless steel | Thin head | Hexagonal



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.

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX



RIVKLE®

PRODUCT VARIANTS



Sales@RivetNutUSA.com

*Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.*

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX
38
68

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

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

				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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

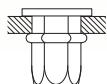
ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

RIVKLE® HRT – High Resistance Thread

RIVKLE® HRT - Steel

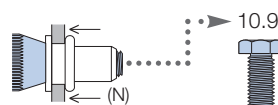
Steel HRT | Flat head | Hexagonal | Open



	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H ^{+0.10} ₀ (mm)	S (mm)	L2 (mm)	E (mm)		10.9
M6	20,0	14,0	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	17,0	1,0 - 3,0	11,0	S=6,3-e	16,0	1,5	232 91 080 504	✓
	26,5	10,9	10,9	3,0 - 5,5		S=10,2-e	14,8	1,5	232 91 080 505	✓
M10	27,0	20,0	20,0	1,0 - 3,5	13,0	S=8,7-e	17,5	2,0	232 91 100 503	✓
	28,5	24,0	24,0	2,0 - 5,0		S=9,5-e	18,0	2,0	232 91 100 501	✓
M12x1,5	33,0	27,0	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.

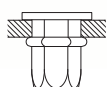
Setting forces*



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

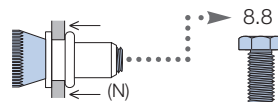
Aluminium HRT | Flat head | Hexagonal | Open



	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	H ^{+0.10} ₀ (mm)	S (mm)	L2 (mm)	E (mm)		8.8
M5	18,1	14,0	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	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	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.

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

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.

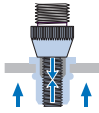
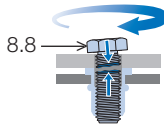
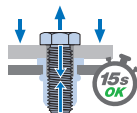


Advantages

- 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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

42

68

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

RIVKLE® SFC - Steel



Steel | Flat head | Open

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

All other variations on demand: M5 to M10



Steel | Elliptic head | Open

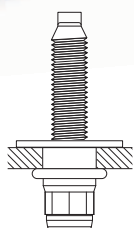
	d (mm)	L (mm)
	B1 - B2 (mm)	e (mm) (min - max)
	Ø (+0,1/0)	N
	L2 max (mm)	E (mm)
M6	20,9	17
	13	2,2 - 3,7
	9,2	12 000
	11,5	1,7
		233 91 060 995



Steel | Flat head | Knurled

	d (mm)	B (mm)
	L1 (mm)	e (mm) (min - max)
	Ø (+0,1/0)	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).

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

43

68

RIVKLE® PN – Ultimate pull-out force

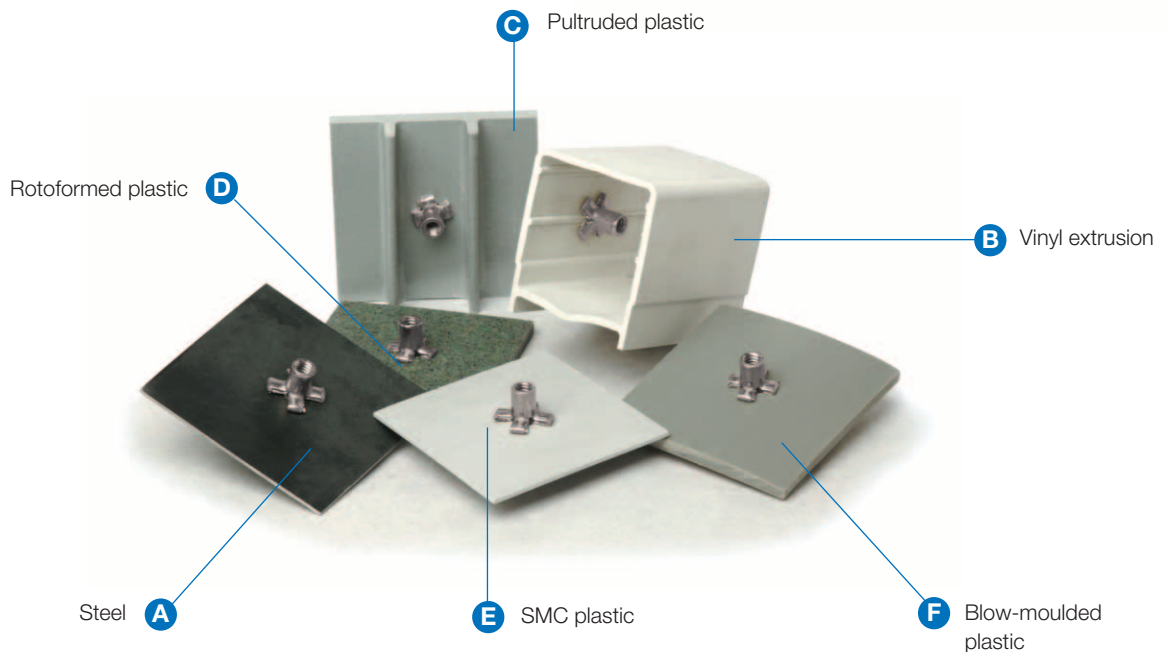
The universal solution for supports with extreme variations

Extreme versatility in terms of thickness and diameter

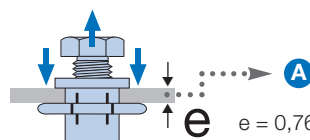
The main difference of this RIVKLE® fastener is its slotted body which allows a petal-shaped deformation during the setting operation, thereby forming a large-size abutment. Its specific design allows it to accept large variations of the thickness of the support and/or variations of the diameter of the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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

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)	L2 max (mm)	E (mm)	
M5	22,0	12,7	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	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	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

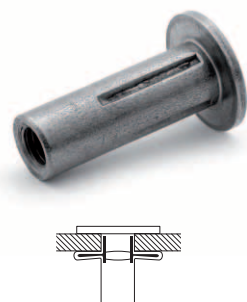
Steel | Flat head | Slotted | Open



	d (mm)	L (mm)	B (mm)	e (mm) (min - max)	D (mm)	Ø MIN (mm)	Ø MAX (mm)	L2 max (mm)	E (mm)	
M4	17,6	11,15	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	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	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	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	22,25	0,50 - 7,10	13,06	13,07	13,26	15,8	2,25	668 31 011 071
	38,7	22,20	22,20	7,10 - 12,7				2,24	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)	L2 max (mm)	E (mm)	
M4	17,6	11,1	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	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						668 30 588 081*
M6	26,9	15,9	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	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	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.

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

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

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*.



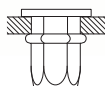
*The fluid tightness properties of the product require compliance with the specified setting conditions, both in terms of equipment and support. (For more information about the setting conditions, refer to page 8 and/or contact Böllhoff).

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

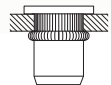
Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

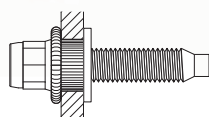
RIVKLE® Seal Ring blind rivet nuts and studs and other sealed solutions



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 2,5 - 5,0	8,0	S=4,1-e S=6,2-e	14,8	1,5		233 97 050 693
	21,5								233 97 050 694
M6	22,3	13,0	0,5 - 3,0 2,5 - 5,0	9,0	S=4,3-e S=6,5-e	16,5	1,5		233 97 060 813
	24,5								233 97 060 776*
M8	26,6	16,0	0,8 - 3,0 2,5 - 5,0	11,0	S=4,8-e S=7,1-e	19,8 19,9	1,5		233 97 080 757
	28,5								233 97 080 741*

*With FKM joint



Steel | Flat head | Knurled

Technical drawing of a bolt with dimensions: d (mm), B (mm), L_1 (mm).

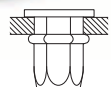
Technical drawing of a bolt with dimensions: e (mm), (min - max).

Technical drawing of a hole with dimensions: $\varnothing_{+0.1/0}$ (mm).

Technical drawing of a bolt with dimensions: 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
-----------	------	------	-----------	-----	-----------	-----	-----	-------------	-----------------------

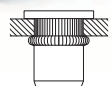
New



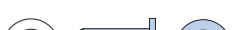
RIVKLE® Seal Ring - Aluminium HRT

Aluminium HRT | Flat head | Hexagonal | Closed

M6	22.0	15.0	0.5 - 3.0	9.0	S=4.6-e	17.5	1.5	232 90 060 506
-----------	------	------	-----------	-----	---------	------	-----	-----------------------



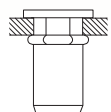
Aluminium HRT | Flat head | Knurled | Closed

								
d (mm)	L (mm)	B (mm)	e (mm) (min - max)	Ø ^{+0,1/0} (mm)	S (mm)	L2 (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 3,0 - 4,5	7,0	4,6-e	14,4	1,5		233 94 050 504
	20,5				14,6	233 94 050 505			
M6	23,0	16,0	0,5 - 3,0 2,0 - 4,5	9,0	5,5-e	16,0	1,5		233 94 060 599
	24,4				15,6	233 94 060 600			
M8	25,0	21,0	0,5 - 3,0 3,0 - 5,5	11,0	5,7-e	19,3	1,5		233 94 080 501
	27,5				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



Sales@RivetNutUSA.com

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

INDEX

45

68

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

RIVKLE® – Hand operated assembly tools

RIVKLE® BRK 01 - Manual assembly tool



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

600 g

235 119 00000
Tooling included (M3 - M6)

RIVKLE® BRK01 Kit



235 119 00501

x1

235 119 00502

x1

M3	M4	M5	M6	M8	M10	M4	M5	M6	M8	M10
x50	x50	x50	x50							
						x50	x50	x50		

RIVKLE® M2007 - Manual assembly tool



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

1200 g

235 302 01000
Tooling included (M5 - M12)

RIVKLE® M2007 Kit



235 302 01000

x1

235 302 01001

x1

235 302 01002

x1

M5	M6	M8	M10	M12	M6	M8	M10	M6	M8	M10
x1	x1	x1	x1	x1						
		x1	x1					x50	x25	x25
	x1	x1	x1		x50	x25	x25			

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

235 302 01003

x1

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

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		■	■	■	■	■		



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			■	■	■	■		



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				■	■	■	■	■

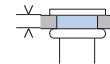


2700 g


235 118 00000

Tooling not included

RIVKLE® OPTEX - Hexagonal punching and assembly tool



	Ø RIVKLE®		
	M5	M6	M8
Steel	■	■	■
Stainless steel	■	■	■

0,5 - 2,5 mm



2100 g


235 110 00000

Tooling included (M5 - M8)

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX
≡

RIVKLE® – Hand operated assembly tools

Tooling equipment



RIVKLE® BRK 01

Mandrel
+
Anvil



235 119 XX 001



Ø RIVKLE®

M3	M4	M5	M6
03	04	05	06



RIVKLE® BRK 08

Mandrel
+
Anvil



235 121 XX 001



Ø RIVKLE®

M4	M5	M6	M8	M10
04	05	06	08	10



RIVKLE® BRK 10

Mandrel
+
Anvil



235 120 XX 001



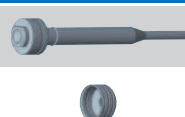
Ø RIVKLE®

M5	M6	M8	M10
05	06	08	10



RIVKLE® M2007

Mandrel



235 302 XX 020



Ø RIVKLE®

M5	M6	M8	M10	M12
05	06	08	10	12

Anvil



235 302 XX 030

05	06	08	10	12
----	----	----	----	----



RIVKLE® ES 51

Mandrel



235 108 XX 020



Ø RIVKLE®

M6	M8	M10	M12	M14
06	08	10	12	14

Anvil



235 108 XX 030

06	08	10	12	14
----	----	----	----	----

Ecrou



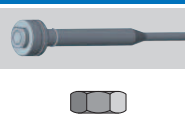
235 108 00 001

✓	✓	✓	✓	✓
---	---	---	---	---



RIVKLE® OPTEX

Mandrel



235 110 XX 020



Ø RIVKLE®

M5	M6	M8
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
----	----	----

Sales@RivetNutUSA.com

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

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

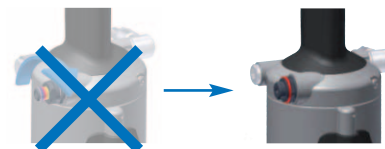
	Ø RIVKLE®							
	M3	M4	M5	M6	M8	M10	M12	M14
Steel		■	■	■	■	■		
Stainless steel		■	■	■	■			
Aluminium			■	■	■	■	■	



236 156 01000

Tooling not included (see page 59)

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



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.

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

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



Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

54

68

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



Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX



RIVKLE® – Hydropneumatic and battery-powered setting tools

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.

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

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.

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

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®									
Washer + Nut					M3	M4	M5	M6	M8	M10	M12	M14	M16
					03	04	05	06	08	10	12	14	16
Washer + Nut					-	M4	M5	D5	M6	D6	M8	D8	M10
					-	204	205	505	206	506	208	508	210

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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

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**

			22 kN
RIVKLE® B2007 special tooling			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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

RIVKLE® – Hydropneumatic and battery-powered setting tools

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

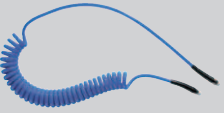
*(7) = 563 500 50 010

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

*(5) = 236 913 10 006

RIVKLE® TOOLING BOX			Ø RIVKLE®	M3	M4	M5	M6	M8	M10	M12	M14	M16
Mandrel												
Anvil			236 913 XX XXX	–	–	–	–	08 101	*(5)	–	–	–
			236 913 XX XXX	–	–	–	–	08 087	10 010	–	–	–

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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

RIVKLE® – Hydropneumatic and battery-powered setting tools



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



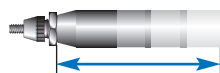
Tool holder



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

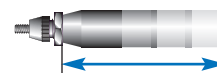


236 500 00 023



236 500 00 022

RIVKLE® NEO P107 - Extension kit



Extension kit 55 mm

Extension kit 110 mm

Extension kit 165 mm



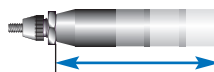
236 500 00 018



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

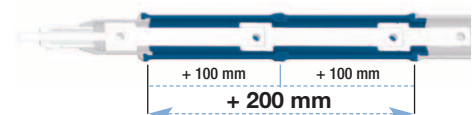
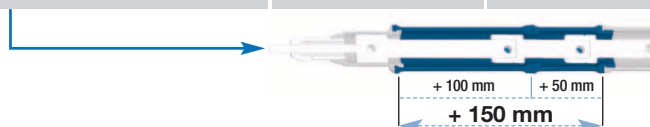
282 590 10 986

+ 50 mm

282 590 10 791

+ 100 mm

282 590 10 792



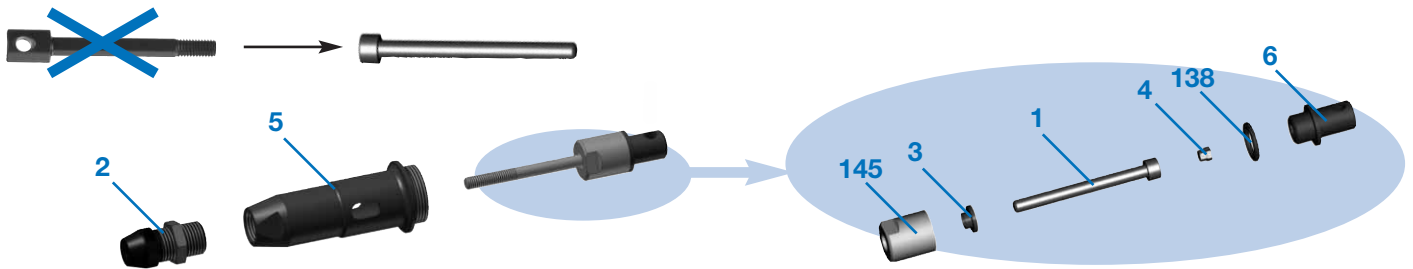
Sales@RivetNutUSA.com

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

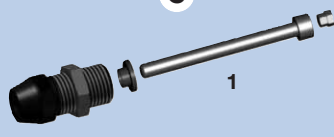
Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

RIVKLE® – Hydropneumatic and battery-powered setting tools

CHC screw kit



KIT = A + B + C

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



	CHC kit	CHC screw
	Sold in packs of 10 screws	Sold in packs of 10 screws
		
	RIVKLE® NEO P107 RIVKLE® NEO B107 / NEO B109	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



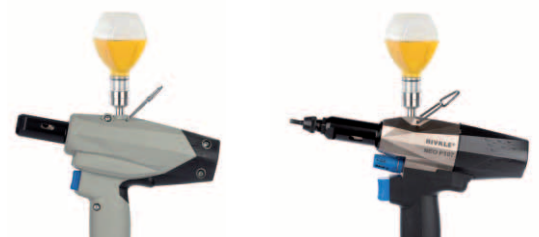
RIVKLE® NEO B107 / NEO B109		236 500 00 006 ⁽¹⁾
RIVKLE® NEO P107		236 500 00 007 ⁽¹⁾
RIVKLE® PX007		236 114 00 970 ⁽¹⁾

⁽¹⁾ Oil included

Oil



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



Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

62

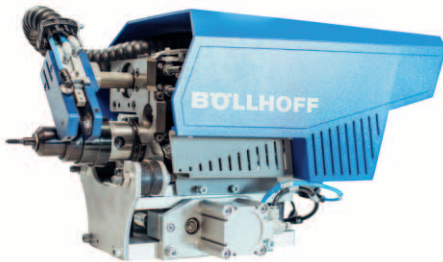
68

RIVKLE® – Special installation machines



RIVKLE® EPK C / RIVKLE® EPK HP

Hydraulic pneumatic tool with process control



RIVKLE® Automation

Setting head with automatic loading system

Sales@RivetNutUSA.com

*Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.*

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

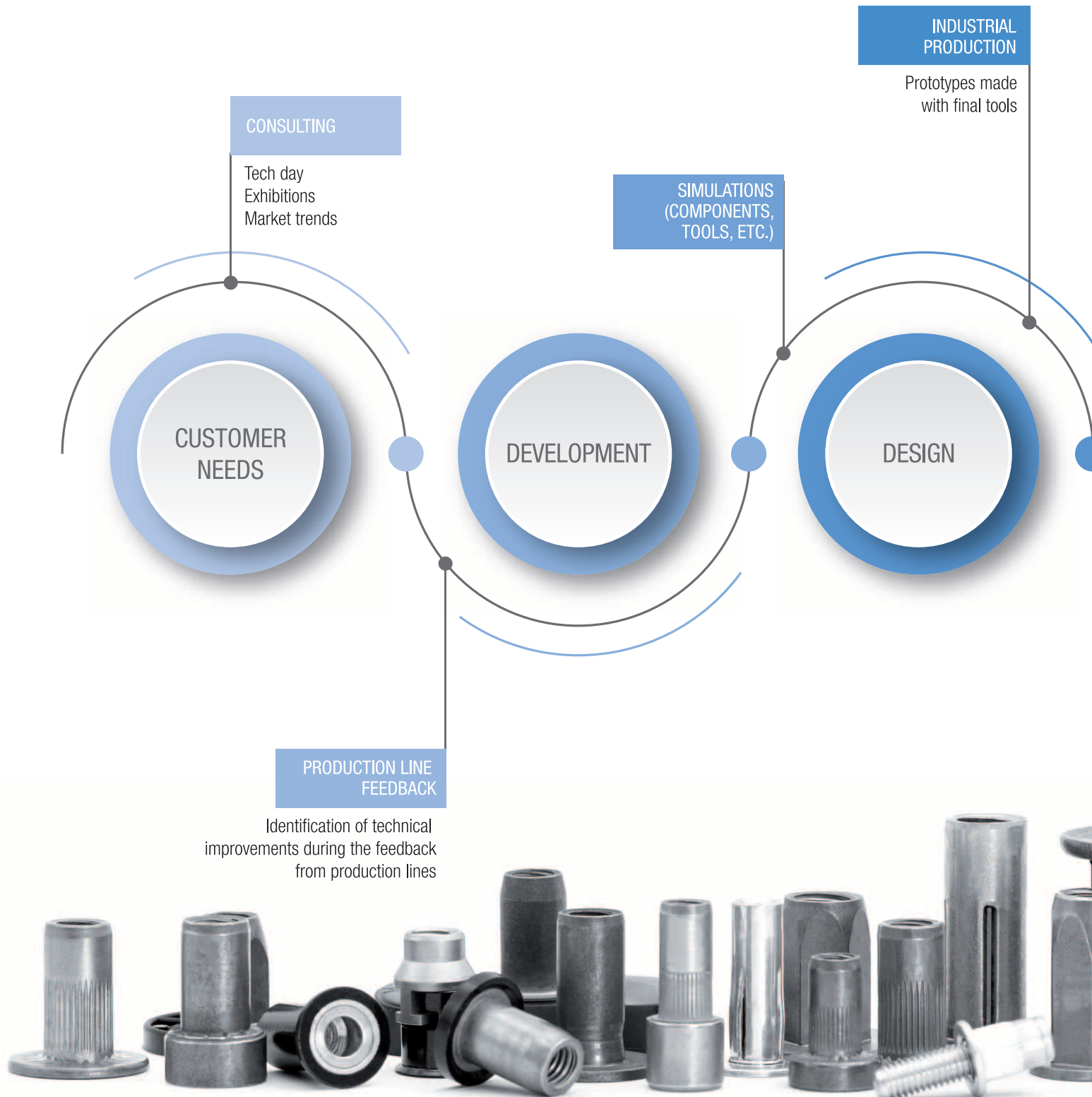
63

68

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.

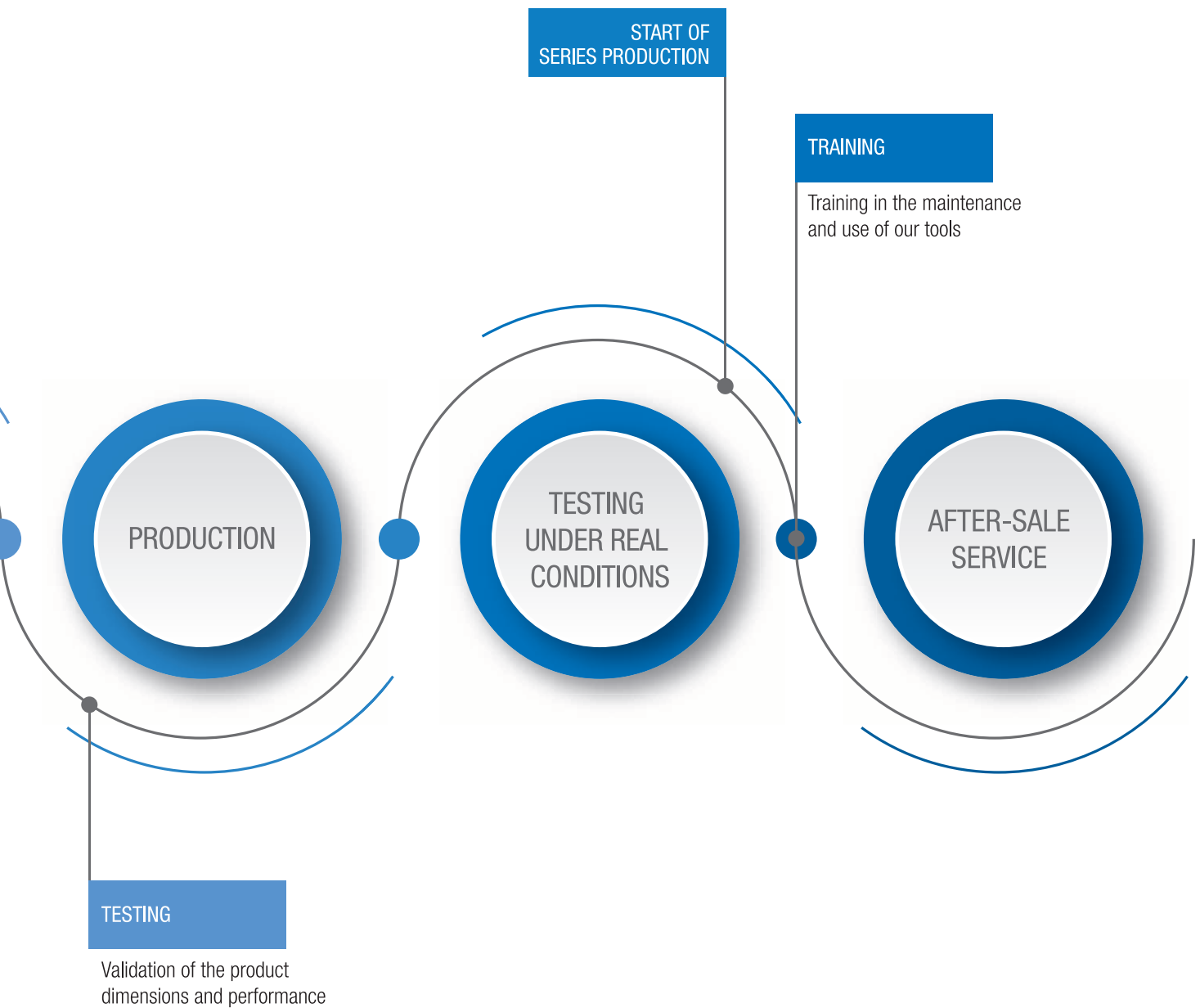


Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

Sales@RivetNutUSA.com

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

Böllhoff is your supplier for your fastening components and associated tools



Sales@RivetNutUSA.com

*Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.*

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX

65

68

RIVKLE® – Part number index

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

RIVKLE® – Part number index

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

Sales@RivetNutUSA.com

Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)

Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

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.

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



Sales@RivetNutUSA.com

*Request your quote with Rivet Nut USA (an operating division of Cardinal Components, Inc.)
Cardinal Components, Inc. is your authorized preferred specialty fastener distributor.*

ISO 9001 CERTIFIED
www.RivetNutUSA.com
(800) 236-3200

INDEX