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FASTeKS FILKO®  
Blind rivet nuts

Efficient, blind, resilient

# The center of excellence for high-performance fastening technology

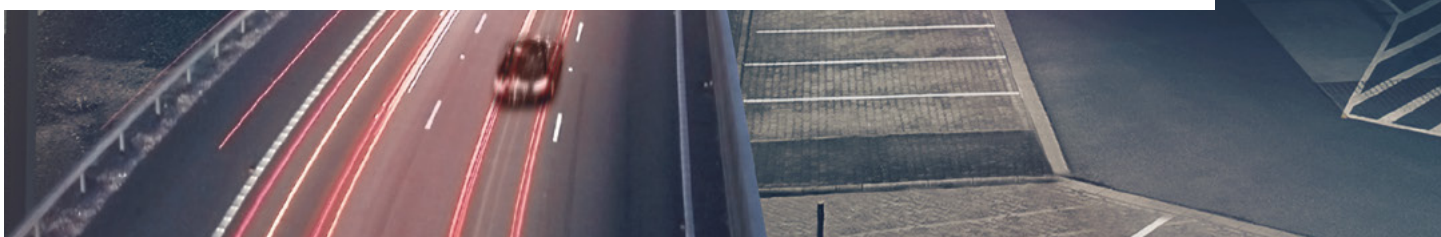
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KVT-Fastening is an expert for high-quality fastening applications and offers engineering solutions based on the wide product portfolio of the leading manufacturers in the market.



Mechanical engineering | Automotive | Electrical engineering | Energy | Precision engineering | Fluid power | Transportation | Off-shore and Marine | Medical equipment  
Aviation and aerospace | Construction industry | Watch manufacturing industry

[www.kvt-fastening.com](http://www.kvt-fastening.com)



High-performance solutions from KVT-Fastening are found wherever absolutely safe and secure connections are essential. These small but extremely resilient components play key roles where it matters most – whether in the electronics and energy sector, the automotive and transportation industries, aviation and aerospace, engineering and construction, precision engineering, or medical equipment.

KVT-Fastening does not just supply standard products and individual components, but also provides close and active customer support in the search for ideal solutions, particularly when specific requirements must be fulfilled. This portfolio is complemented by a range of innovative tools and

machines as well as, if needed, the integration into automated serial production workflows.

Ever since 1927, KVT-Fastening has stood for experience, solution-driven know-how, unique expertise in development and consultancy as well as the ultimate in reliability. Since December 2012, KVT-Fastening is a member of the Bossard Group. Bossard is a leading provider of intelligent solutions for industrial fastening technology. The range includes global sales, technical consulting (engineering) and logistics of fastening technology components and bolts. Customers benefit from the extension of competencies in industrial fastening technology and from an optimally enhanced product or service portfolio.



## FASTEKS FILKO® – Fastening technology

FASTEKS FILKO® blind rivet nuts are single-part hollow-thread nuts which are installed 'blind' from a single side without the need for reworking. They therefore represent an efficient and impressive solution. Generally used for screw connections, they can also be applied in a combination of riveting and additional screw fastenings. A resilient thread is produced as a result, especially on thin components and hollow sections. The pronounced rivet beading on the rear side guarantees a high tear-out strength.

### Advantages

- Can be installed from a single side – 'blind application
- Can be used as a blind rivet or blind rivet nut
- High tear-out strength as the result of pronounced rivet beading
- Use on surface-treated parts possible
- Wide range of head shapes and materials supplied
- Efficient processing with manual or pneumatic-hydraulic tools

### More about FASTEKS®

[www.kvt-fastening.de/en/products/brands/fasteks](http://www.kvt-fastening.de/en/products/brands/fasteks)



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Technical performances, installation recommendations as well as unspecified tolerances regarding the dimensions of the parts have to be requested individual for each application before starting the series production.

All dimensions are specified in mm.

# Technical information

## Notes regarding installation

When installing blind rivet nuts, it is essential to follow a few basic instructions in order to ensure perfect screw connections with this system, as well as efficient functionality.

### Determining the clamped thickness 'k'

As well as the right choice of thread size and the material of the nut, it is necessary to select the grip range of the nut, depending on the clamped thickness 'K'.

If the clamped thickness 'K' is at the limit of the grip range, preliminary trials should be carried out. For example, plate thickness and drilled hole tolerances may make it necessary to use a blind rivet nut with a larger or smaller grip range.

### Countersunk head nuts

When using countersunk head nuts, a fault-free 90-degree countersink is necessary. Take care only to countersink to a depth which ensures that the countersunk head of the nut protrudes by at least 0.1 mm after installation. This is necessary to ensure that the counterpiece can be supported by the nut, and that the frictional resistance generated during screw fastening prevents the nut from rotating.

With **flush heads**, no countersinking of the drilled hole is necessary = time and cost saving.

### Hole size

The hole size should not generally be larger than the shank dimension of the nut to be used, plus 0.1 mm. When this hole tolerance is complied with, the shank expansion which occurs during the installation gives the nut a firm grip, including twisting resistance.

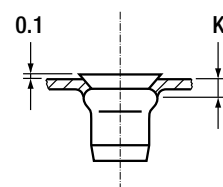
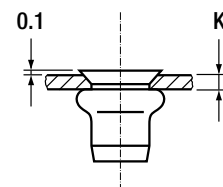
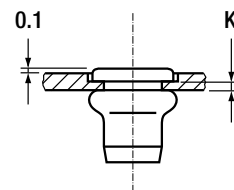
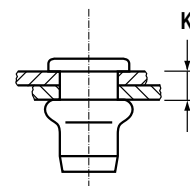
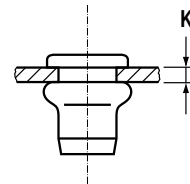
### Shank shapes

In the case of special requirements concerning resistance to twisting, we recommend blind rivet nuts with a knurled or hexagonal shank.

However, blind rivet nuts should only be used in relatively soft material.

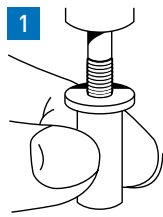
Blind rivet nuts with a hexagonal shank always represent the best solution – when technically possible.

We will be pleased to provide advice in case of doubt.

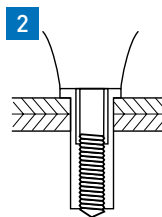


# Technical information

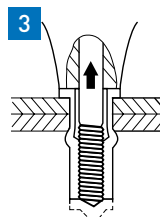
## Installation sequence



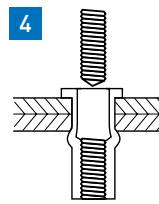
**Stage 1**  
Thread the blind rivet nut onto the mandrel.



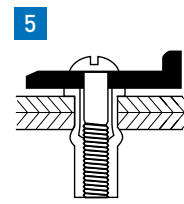
**Stage 2**  
Insert the blind rivet nut into the installation hole.



**Stage 3**  
Compress – the nut is drawn against the mouth-piece of the tool and expands radially in and behind the installation hole.

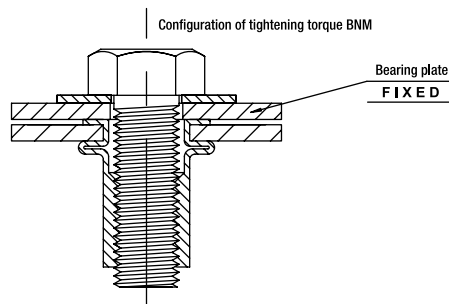


**Stage 4**  
Retrieve the mandrel from the installed blind rivet nut.



**Stage 5**  
The blind rivet nut can now be loaded.

Configuration for checking torque – the screwed-on part must not rotate.



## Technical data (standard values)

Thread	Stainless steel			Steel			Aluminum		
	Axial load kN	Shear force kN	Tightening torques Nm	Axial load kN	Shear force kN	Tightening torques Nm	Axial load kN	Shear force kN	Tightening torques Nm
M3	6.0	2.8	1.2	5.0	2.5	1.2	2.8	1.0	0.6
M4	9.0	3.3	3.1	8.0	3.0	3.1	4.8	1.4	2.0
M5	12.0	3.6	6.2	11.0	3.3	6.2	6.5	1.8	4.0
M6	16.0	5.0	10.2	15.0	4.4	10.2	8.3	2.6	6.0
M8	30.0	7.3	24.2	28.0	6.5	24.2	13.0	4.3	15.0
M10	40.0	8.6	48.6	38.0	8.0	48.6	20.0	6.6	27.0
M12	60.0	12.0	86.0	56.0	11.6	86.0	28.0	9.0	45.0

These values may vary considerably depending on the quality, surface and dimensional accuracy of screws, plate and installation hole – it is therefore advisable to run initial trials.

Tightening torque is not identical with torsion resistance!

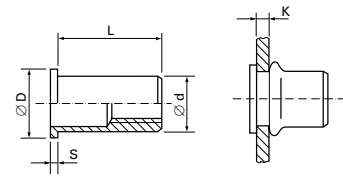
# Blind rivet nuts

Flat head, open, cold-formed



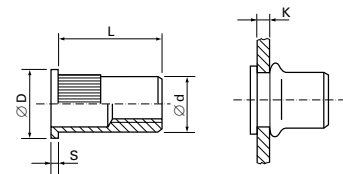
## Type FK round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RFK knurled shank

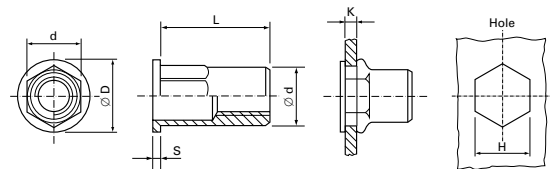
3-D Data: <http://kvt.partcommunity.com>



## Type HEX FK hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Steel, zinc plated, thick coat passivated  
(RoHS compliant) **ST** or  
stainless steel 1.4567 **A2** / AISI 304 Cu

Additional types on request

**Ordering data example:** **M4-20 RFK ST**

Thread size M4 +  
code indicating grip range

Type: Knurled shank

Material: Steel

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M4	0.3 - 2.0		20	6.0	6.0	9.0	0.8	9.7
	1.5 - 3.0		30					10.7
	2.5 - 4.0		40					11.7
M5	0.7 - 3.0		30	7.0	7.0	10.0	1.0	13.0
	2.0 - 4.0		40					15.0
M6	0.5 - 3.0		30	9.0	9.0	13.0	1.5	14.5
	3.5 - 6.0		60					17.5
M8	0.5 - 3.5		35	11.0	11.0	16.0	1.5	16.0
	3.0 - 6.0		60					18.5
M10	0.8 - 3.5		35	13.0	13.0	19.0	2.0	21.0
	3.0 - 6.0		60					24.0
M12	1.0 - 4.0		40	16.0	16.0	23.0	2.0	24.0
	3.5 - 7.0		70					28.0

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request.



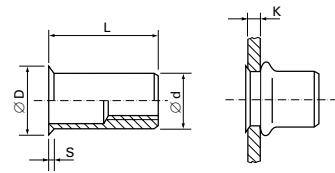
# Blind rivet nuts

Countersunk head 90°\*, open, cold-formed



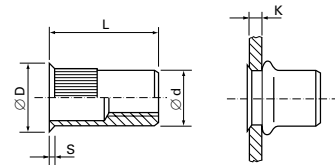
## Type SK round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RSK knurled shank

3-D Data: <http://kvt.partcommunity.com>



### Material

Steel, zinc plated, thick coat passivated (RoHS compliant) **ST** or stainless steel 1.4567 **A2** / AISI 304 Cu

Additional types on request

**Ordering data example:** **M4-36 RSK ST**

Thread size M4 + code indicating grip range

Type: Knurled shank

Material: Steel

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M4	1.5 - 3.5		36	6.0	6,0	9,0	1.5	11.5
	3.5 - 5.0		51					13.5
M5	2.0 - 4.0		41	7.0	7,0	10,0	1.5	13.0
	4.0 - 6.0		61					15.0
M6	1.0 - 3.0		31	9.0	9,0	11,0	1.0	14.0
	3.5 - 6.0		61					17.0
M8	1.0 - 3.0		31	11.0	11,0	13,0	1.0	16.0
	3.5 - 6.0		61					19.0
M10	1.5 - 4.0		41	13.0	13,0	15,5	1.6	22.0
	3.5 - 6.5		66					25.0
M12	1.7 - 4.5		46	16.0	16,0	19,0	1.8	26.0
	4.0 - 7.5		76					29.0

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions. Other variants upon request. \* Countersinking of the drilled hole is necessary.

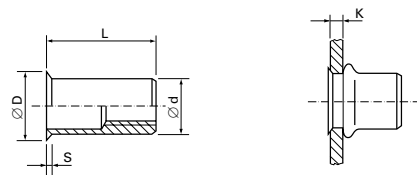
# Blind rivet nuts

Flush head\*, open, cold-formed



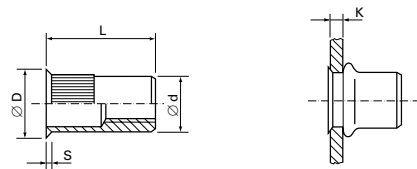
## Type TSN round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RTSN knurled shank

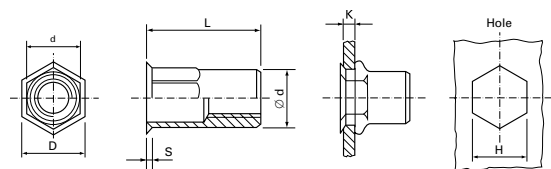
3-D Data: <http://kvt.partcommunity.com>



## Type HEXTSN hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Steel, zinc plated, thick coat passivated  
(RoHS compliant) **ST** or  
stainless steel 1.4567 **A2** / AISI 304 Cu

Additional types on request

### Ordering data example: M4-20 RTSN ST

Thread size M4 +  
code indicating grip range  
Type: Knurled shank  
Material: Steel

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M4	0.3 - 2.0		20	6.0	6.0	6.8	0.5	10.5
	2.0 - 3.0		30					11.5
M5	0.5 - 3.0		30	7.0	7.0	8.0	0.5	11.5
	2.5 - 4.5		45					13.0
M6	0.5 - 3.0		30	9.0	9.0	10.0	0.6	14.5
	2.0 - 4.5		45					16.0
	3.5 - 6.0		60					17.5
M8	0.5 - 3.0		30	11.0	11.0	12.0	0.6	16.5
	2.0 - 4.5		45					18.0
	3.0 - 6.0		60					19.5
M10	0.8 - 3.5		35	13.0	13.0	14.2	0.6	20.0
	3.0 - 6.0		60					23.0
M12	1.0 - 4.0		40	16.0	16.0	17.2	0.6	24.0
	3.5 - 7.5		75					27.5

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request. \* With flush heads, no countersinking of the drilled hole is necessary ^ = time saving.

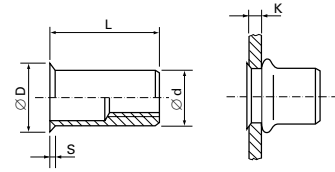
# Blind rivet nuts

Flush head\*, open, cold-formed



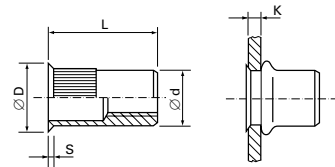
## Type Poly round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RPoly knurled shank

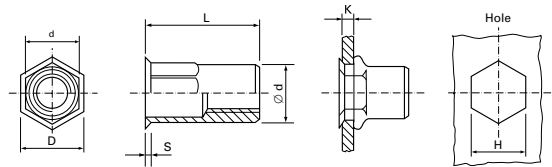
3-D Data: <http://kvt.partcommunity.com>



## Type HEXPoly hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Steel, zinc plated, thick coat passivated (RoHS compliant) **ST** or stainless steel 1.4567 **A2** / AISI 304 Cu

Grip range of up to 3.0 for all thread sizes

Additional types on request

### Ordering data example: **M4 RPoly ST**

Thread size M4

Type: Knurled shank

Material: Steel

Thread	Grip range K	Hole-X/H +0.1	X d	X D	S	L
<b>M4</b>	0.5 – 3.0	<b>7.0</b>	7.0	8.0	0.5	10.5
<b>M6</b>	0.5 – 3.0	<b>8.0</b>	8.0	9.0	0.5	13.0
<b>M8</b>	0.5 – 3.0	<b>10.0</b>	10.0	11.0	0.5	15.5

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request. \* With flush heads, no countersinking of the drilled hole is necessary ^= time saving.

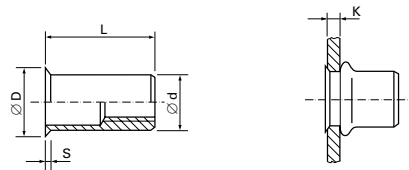
# Blind rivet nuts

Flush head\*, open, cold-formed



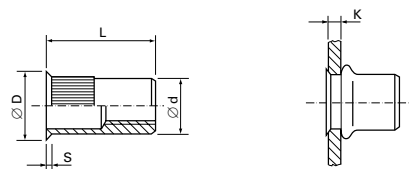
## Type AVKS round shank

3-D Data: <http://kvt.partcommunity.com>



## Type AVRKS knurled shank

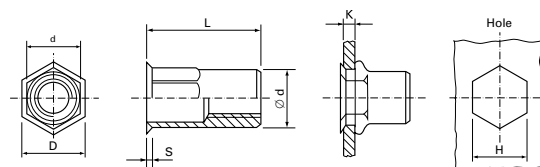
3-D Data: <http://kvt.partcommunity.com>



## Type AVHEXKS hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Steel, zinc plated, thick coat passivated  
(RoHS compliant)

Additional types on request

### Ordering data example:

**M4 AVRKS**

Thread size M4

Type: Knurled shank

Thread	Grip range K	Hole-X/H +0.1	X d	X D	S	L
<b>M4</b>	0.5 – 2.0	<b>6.4</b>	6.4	7.1	0.5	10.5
<b>M5</b>	0.5 – 3.0	<b>7.2</b>	7.2	7.9	0.6	12.0
<b>M6</b>	0.5 – 3.0	<b>9.5</b>	9.5	10.6	0.6	14.0
<b>M8</b>	0.5 – 3.0	<b>10.5</b>	10.5	11.3	0.6	16.0

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.

Other variants upon request. \* With flush heads, no countersinking of the drilled hole is necessary ^ = time saving.

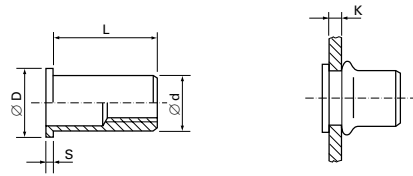
# Blind rivet nuts

Flat head, open



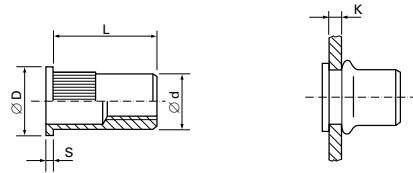
## Type UC round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RUC knurled shank

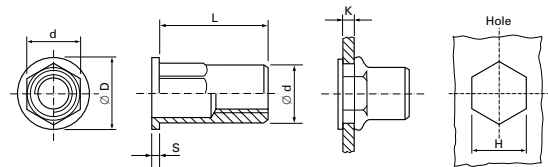
3-D Data: <http://kvt.partcommunity.com>



## Type HUC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Steel, zinc plated, thick coat passivated  
(RoHS compliant)

Additional types on request

### Ordering data example: M4 RUC FEF 3.0

Thread size M4

Type: Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M3	up to 1.7		FEF 1.7	5.0	5.0	7.0	0.8	7.7
	1.1 – 2.3		FEF 2.3					8.3
M4	up to 2.1		FEF 2.1	6.0	6.0	8.0	0.8	10.1
	1.3 – 3.0		FEF 3.0					10.9
M5	up to 1.5		FEF 1.5	7.0	7.0	9.0	1.0	10.7
	1.0 – 2.5		FEF 2.5					11.7
	1.5 – 3.5		FEF 3.5					12.7
M6	up to 2.5		FEF 2.5	9.0	9.0	11.0	1.2	14.2
	1.5 – 3.5		FEF 3.5					15.2
M8	1.0 – 3.0		FEF 3.0	11.0	11.0	14.0	1.5	15.6
	3.0 – 5.0		FEF 5.0					18.0
M10	0.5 – 4.0		FEF 4.0	13.0	13.0	16.0	1.5	21.3
	3.0 – 5.5		FEF 5.5					23.0
M12	up to 4.2		FEF 4.2	16.0	16.0	20.0	1.7	24.0
	3.5 – 7.6		FEF 7.6					27.6

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request.

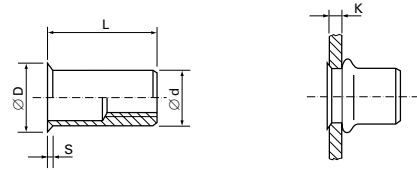
# Blind rivet nuts

Flush head\*, open



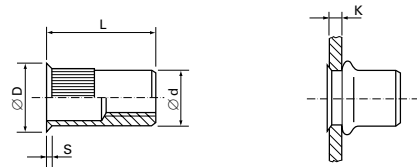
## Type UC round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RUC knurled shank

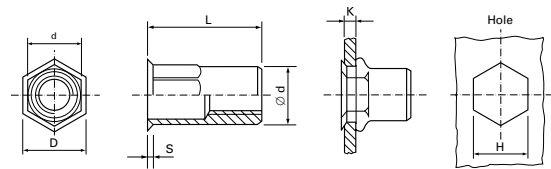
3-D Data: <http://kvt.partcommunity.com>



## Type HUC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Steel, zinc plated, thick coat passivated  
(RoHS compliant)

Additional types on request

### Ordering data example:

**M4 RUC FEKS 3,0**

Thread size M4

Type: Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M3	up to 1.1		FEKS 1,1	5.0	5.0	5.8	0.3	7.2
	1.1 – 2.3		FEKS 2,3					8.6
M4	up to 1.3		FEKS 1,3	6.0	6.0	6.8	0.3	9.4
	1.3 – 3.0		FEKS 3,0					11.0
M5	up to 1.5		FEKS 1,5	7.0	7.0	8.0	0.4	10.8
	1.0 – 2.5		FEKS 2,5					11.8
	1.5 – 3.5		FEKS 3,5					12.8
M6	up to 1.5		FEKS 1,5	9.0	9.0	10.0	0.4	13.3
	1.5 – 3.5		FEKS 3,5					15.3
M8	up to 1.8		FEKS 1,8	11.0	11.0	12.0	0.4	14.5
	1.0 – 3.0		FEKS 3,0					15.9
	3.0 – 5.0		FEKS 5,0					17.8
M10	up to 3.2		FEKS 3,2	13.0	13.0	14.4	0.5	20.7
	3.0 – 5.5		FEKS 5,5					22.9
M12	up to 4.2		FEKS 4,2	16.0	16.0	17.4	0.5	24.1
	3.5 – 7.6		FEKS 7,6					27.7

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.

Other variants upon request. \* With flush heads, no countersinking of the drilled hole is necessary ^ = time saving.

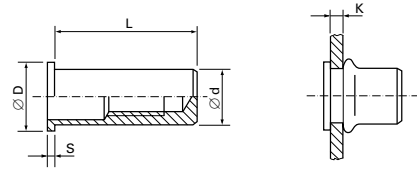
# Blind rivet nuts

Flat head, closed



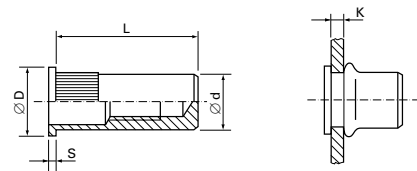
## Type UC round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RUC knurled shank

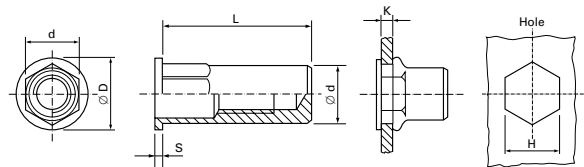
3-D Data: <http://kvt.partcommunity.com>



## Type HUC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Steel, zinc plated, thick coat passivated  
(RoHS compliant)

Additional types on request

### Ordering data example:

**M4 RUC FEFG 3,7**

Thread size M4

Type: Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M3	up to 1.1		FEFG 1,1	5.0	5.0	7.0	0.8	11.6
	1.1 – 2.3		FEFG 2,3					12.8
	2.3 – 3.0		FEFG 3,0					13.4
M4	up to 2.1		FEFG 2,1	6.0	6.0	8.0	0.8	15.8
	1.7 – 3.7		FEFG 3,7					17.4
M5	up to 1.5		FEFG 1,5	7.0	7.0	9.0	1.0	17.2
	1.0 – 2.5		FEFG 2,5					18.2
	2.0 – 3.5		FEFG 3,5					19.2
M6	0.5 – 2.5		FEFG 2,5	9.0	9.0	11.0	1.2	22.2
	1.5 – 3.5		FEFG 3,5					23.2
M8	1.0 – 3.0		FEFG 3,0	11.0	11.0	14.0	1.5	25.1
	3.0 – 5.0		FEFG 5,0					27.5
M10	0.5 – 4.0		FEFG 4,0	13.0	13.0	16.0	1.5	32.8
	2.5 – 5.5		FEFG 5,5					34.3
M12	up to 4.2		FEFG 4,2	16.0	16.0	20.0	1.7	36.0
	3.5 – 7.6		FEFG 7,6					39.6

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request.

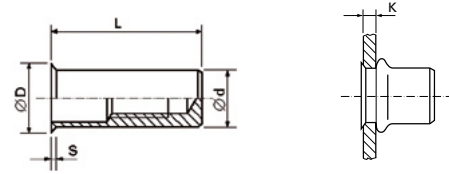
# Blind rivet nuts

Flush head\*, closed



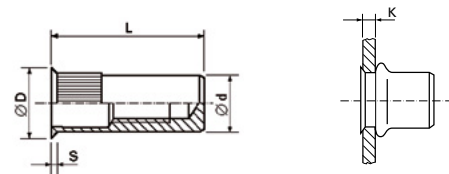
## Type UC round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RUC knurled shank

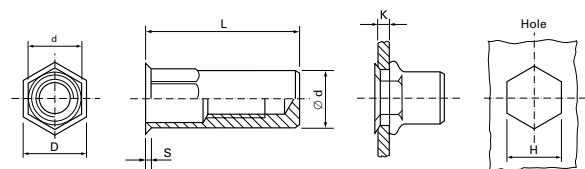
3-D Data: <http://kvt.partcommunity.com>



## Type HUC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Steel, zinc plated, thick coat passivated  
(RoHS compliant)

Additional types on request

### Ordering data example:

**M4 RUC FEKSG 3,0**

Thread size M4

Type: Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
<b>M3</b>	up to 1.1		<b>FEKSG 1,1</b>	<b>5.0</b>	5.0	5.8	0.3	11.7
	1.0 – 2.3		<b>FEKSG 2,3</b>					12.9
	2.1 – 3.2		<b>FEKSG 3,2</b>					13.8
<b>M4</b>	up to 1.3		<b>FEKSG 1,3</b>	<b>6.0</b>	6.0	6.8	0.3	15.1
	1.3 – 3.0		<b>FEKSG 3,0</b>					16.8
<b>M5</b>	up to 1.5		<b>FEKSG 1,5</b>	<b>7.0</b>	7.0	8.0	0.4	16.5
	1.0 – 2.5		<b>FEKSG 2,5</b>					17.5
	1.5 – 3.5		<b>FEKSG 3,5</b>					18.5
<b>M6</b>	up to 1.5		<b>FEKSG 1,5</b>	<b>9.0</b>	9.0	10.0	0.4	21.3
	1.5 – 3.5		<b>FEKSG 3,5</b>					23.3
<b>M8</b>	up to 1.8		<b>FEKSG 1,8</b>	<b>11.0</b>	11.0	12.0	0.4	24.0
	1.0 – 3.0		<b>FEKSG 3,0</b>					25.4
	3.0 – 5.0		<b>FEKSG 5,0</b>					27.8
<b>M10</b>	up to 3.2		<b>FEKSG 3,2</b>	<b>13.0</b>	13.0	14.4	0.5	32.0
	3.0 – 5.5		<b>FEKSG 5,5</b>					34.4
<b>M12</b>	up to 4.2		<b>FEKSG 4,2</b>	<b>16.0</b>	16.0	17.4	0.5	36.1
	3.5 – 7.6		<b>FEKSG 7,6</b>					39.7

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.

Other variants upon request. \* With flush heads, no countersinking of the drilled hole is necessary ^= time saving.



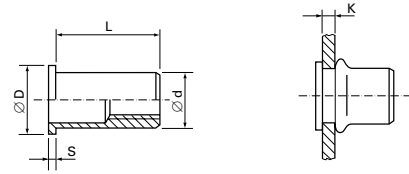
# Blind rivet nuts

Flat head, open



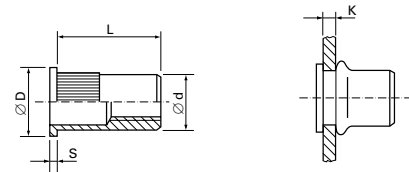
## Type C round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RC knurled shank

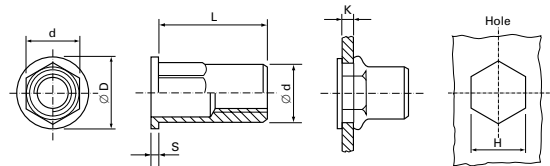
3-D Data: <http://kvt.partcommunity.com>



## Type HC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Stainless steel (A2) AISI 302/304

Additional types on request

### Ordering data example:

**M4 RC ROF 3,0**

Thread size M4

Type: Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M3	up to 1.1		ROF 1,1	5.0	5.0	7.0	0.8	7.2
	1.0 – 2.3		ROF 2,3					7.8
	2.3 – 3.0		ROF 3,0					8.5
M4	up to 1.3		ROF 1,3	6.0	6.0	8.0	0.8	8.3
	0.8 – 2.1		ROF 2,1					9.1
	1.8 – 3.0		ROF 3,0					9.9
M5	up to 1.5		ROF 1,5	7.0	7.0	9.0	1.0	9.5
	1.0 – 2.5		ROF 2,5					10.5
	1.5 – 3.5		ROF 3,5					11.5
M6	0.5 – 2.5		ROF 2,5	9.0	9.0	11.0	1.2	12.8
	1.5 – 3.5		ROF 3,5					13.8
	3.0 – 5.0		ROF 5,0					17.4
M8	1.0 – 3.0		ROF 3,0	11.0	11.0	14.0	1.5	15.1
	3.0 – 5.0		ROF 5,0					17.4
	5.0 – 7.6		ROF 7,6					21.3
M10	1.0 – 4.0		ROF 4,0	13.0	13.0	16.0	1.5	19.8
	2.5 – 5.5		ROF 5,5					21.3
	5.5 – 7.6		ROF 7,6					26.0
M12	up to 4.2		ROF 4,2	16.0	16.0	20.0	1.7	20.6
	4.0 – 7.6		ROF 7,6					26.0

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request.

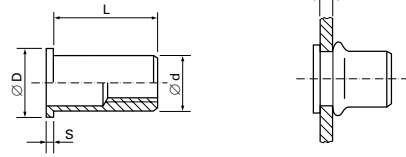
# Blind rivet nuts

Flat head, open



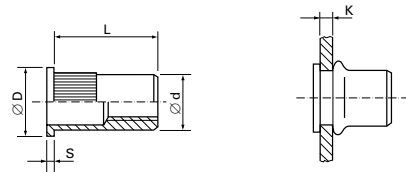
## Type C round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RC knurled shank

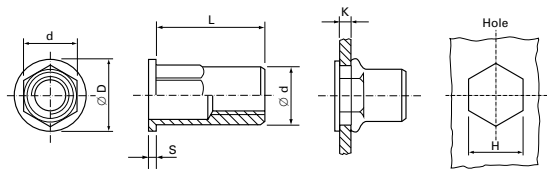
3-D Data: <http://kvt.partcommunity.com>



## Type HC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Stainless steel 1.4404 (A4) / AISI 316L

Additional types on request

### Ordering data example:

**M4 RC 4404F 3,0**

Thread size M4

Type: Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M4	up to 1.3		4404F 1,3	6.0	6.0	8.0	0.8	8.3
	0.8 – 2.1		4404F 2,1					9.0
	1.8 – 3.0		4404F 3,0					9.9
M5	up to 1.5		4404F 1,5	7.0	7.0	9.0	1.0	9.5
	1.5 – 3.5		4404F 3,5					11.5
M6	up to 1.5		4404F 1,5	9.0	9.0	11.0	1.2	11.8
	1.5 – 3.5		4404F 3,5					13.8
M8	up to 1.8		4404F 1,8	11.0	11.0	14.0	1.5	13.9
	1.0 – 3.0		4404F 3,0					15.4
	3.0 – 5.0		4404F 5,0					17.3

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.

Other variants upon request. \* With flush heads, no countersinking of the drilled hole is necessary ^= time saving.

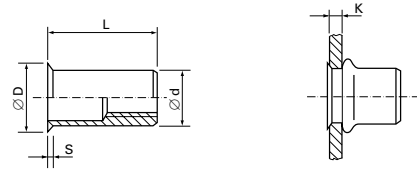
# Blind rivet nuts

Flush head\*, open



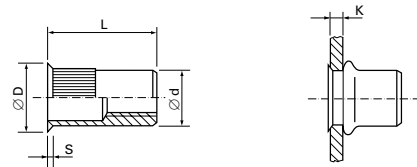
## Type C round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RC knurled shank

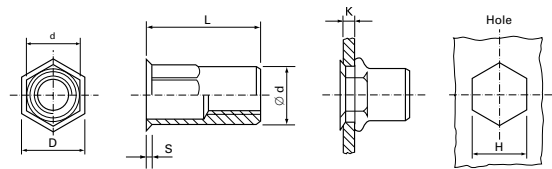
3-D Data: <http://kvt.partcommunity.com>



## Type HC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Stainless steel (A2) AISI 302/304

Additional types on request

### Ordering data example:

**M4 RC ROKS 3,0**

Thread size M4

Type: Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M3	up to 1.1		ROKS 1,1	5.0	5.0	5.8	0.3	6.7
	1.0 – 2.3		ROKS 2,3					7.9
	2.3 – 3.2		ROKS 3,2					9.1
M4	up to 1.3		ROKS 1,3	6.0	6.0	6.8	0.3	8.4
	1.0 – 2.3		ROKS 2,3					9.7
	1.8 – 3.0		ROKS 3,0					10.0
M5	up to 1.5		ROKS 1,5	7.0	7.0	8.0	0.4	9.6
	1.0 – 2.5		ROKS 2,5					10.6
	1.5 – 3.5		ROKS 3,5					11.6**
M6	up to 1.5		ROKS 1,5	9.0	9.0	10.0	0.4	11.9
	1.5 – 3.5		ROKS 3,5					13.9
	up to 1.8		ROKS 1,8					14.1
M8	1.0 – 3.0		ROKS 3,0	11.0	11.0	12.0	0.4	15.6
	3.0 – 5.0		ROKS 5,0					17.4
	up to 3.2		ROKS 3,2					19.0
M10	2.5 – 5.5		ROKS 5,5	13.0	13.0	14.4	0.5	21.4
	up to 4.2		ROKS 4,2					22.5
M12	4.0 – 7.6		ROKS 7,6	16.0	16.0	17.4	0.5	26.1

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request. \*\* Length for type HC = 12.9

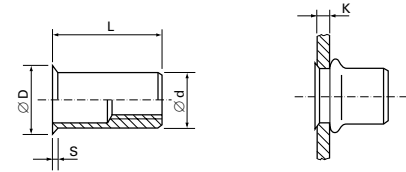
# Blind rivet nuts

Flush head\*, open



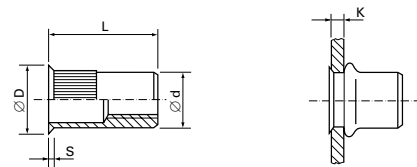
## Type C round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RC knurled shank

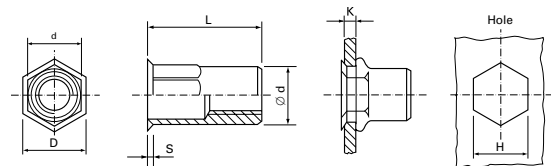
3-D Data: <http://kvt.partcommunity.com>



## Type HC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Stainless steel 1.4404 (A4) / AISI 316L

Additional types on request

### Ordering data example:

**M4 RC 4404KS 3,0**

Thread size M4

Type: Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
<b>M4</b>	up to 1.3		<b>4404KS 1,3</b>	<b>6.0</b>	6.0	6.8	0.3	8.4
	1.0 – 2.3		<b>4404KS 2,3</b>					9.7
	1.8 – 3.0		<b>4404KS 3,0</b>					10.0
<b>M5</b>	up to 1.5		<b>4404KS 1,5</b>	<b>7.0</b>	7.0	8.0	0.4	9.6
	1.5 – 3.5		<b>4404KS 3,5</b>					11.6
<b>M6</b>	up to 1.5		<b>4404KS 1,5</b>	<b>9.0</b>	9.0	10.0	0.4	11.9
	1.5 – 3.5		<b>4404KS 3,5</b>					13.9
<b>M8</b>	up to 1.8		<b>4404KS 1,8</b>	<b>11.0</b>	11.0	12.0	0.4	14.1
	1.0 – 3.0		<b>4404KS 3,0</b>					15.6
	3.0 – 5.0		<b>4404KS 5,0</b>					17.4

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.

Other variants upon request. \* With flush heads, no countersinking of the drilled hole is necessary ^= time saving.

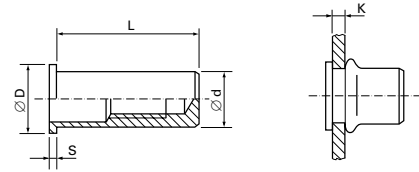
# Blind rivet nuts

Flat head, closed



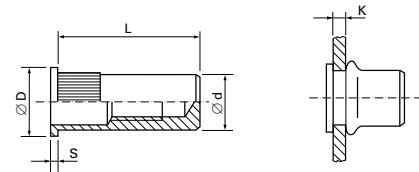
## Type C round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RC knurled shank

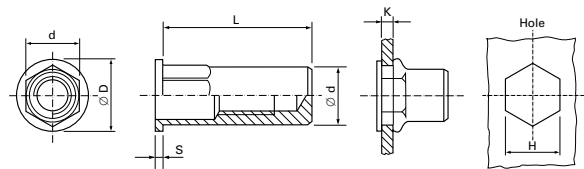
3-D Data: <http://kvt.partcommunity.com>



## Type HC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Stainless steel (A2) AISI 302/304

Additional types on request

### Ordering data example:

**M4 RC ROFG 3,7**

Thread size M4

Type: Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M3	up to 1.1		ROFG 1,1	5.0	5.0	7.0	0.8	11.2
	1.0 – 2.3		ROFG 2,3					11.9
	2.3 – 3.0		ROFG 3,0					12.6
M4	up to 1.3		ROFG 1,3	6.0	6.0	8.0	0.8	14.0
	0.8 – 2.1		ROFG 2,1					14.8
	2.5 – 3.7		ROFG 3,7					16.4
M5	up to 1.5		ROFG 1,5	7.0	7.0	9.0	1.0	16.0
	1.0 – 2.5		ROFG 2,5					17.0
	1.5 – 3.5		ROFG 3,5					18.0
M6	0.5 – 2.5		ROFG 2,5	9.0	9.0	11.0	1.2	20.8
	1.5 – 3.5		ROFG 3,5					21.8
M8	1.0 – 3.0		ROFG 3,0	11.0	11.0	14.0	1.5	23.8
	3.0 – 5.0		ROFG 5,0					26.2
M10	1.0 – 4.0		ROFG 4,0	13.0	13.0	16.0	1.5	31.8
	2.5 – 5.5		ROFG 5,5					32.8
M12	up to 4.2		ROFG 4,2	16.0	16.0	20.0	1.7	34.3
	4.0 – 7.6		ROFG 7,6					37.9

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request.

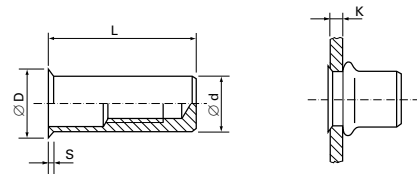
# Blind rivet nuts

Flush head\*, closed



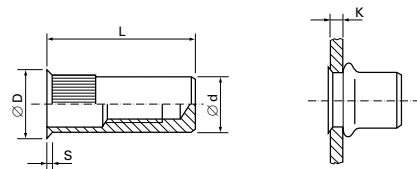
## Type C round shank

3-D Data: <http://kvt.partcommunity.com>



## Type RC knurled shank

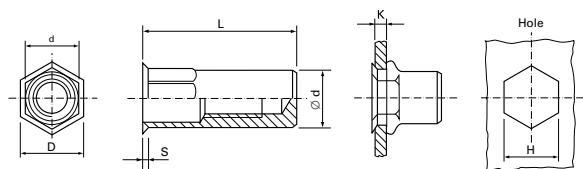
3-D Data: <http://kvt.partcommunity.com>



## Type HC hexagonal shank

(enhanced resistance to spinning in the hole)

3-D Data: <http://kvt.partcommunity.com>



### Material

Stainless steel (A2) AISI 302/304

Additional types on request

### Ordering data example:

**M4 RC ROKSG 3,0**

Thread size M4

Type Knurled shank

Code indicating grip range

Thread	Grip range K	=	Code	Hole-X/H +0.1	X d	X D	S	L
M3	up to 1.1		ROKSG 1,1	5.0	5.0	5.8	0.3	10.7
	1.0 – 2.3		ROKSG 2,3					11.9
	2.3 – 3.2		ROKSG 3,2					13.8
M4	up to 1.3		ROKSG 1,3	6.0	6.0	6.8	0.3	14.4
	1.0 – 2.3		ROKSG 2,3					15.0
	1.8 – 3.0		ROKSG 3,0					16.0
M5	up to 1.5		ROKSG 1,5	7.0	7.0	8.0	0.4	16.5
	1.0 – 2.5		ROKSG 2,5					17.5
	1.5 – 3.5		ROKSG 3,5					18.5
M6	up to 1.5		ROKSG 1,5	9.0	9.0	10.0	0.4	19.9
	1.5 – 3.5		ROKSG 3,5					21.9
M8	up to 1.8		ROKSG 1,8	11.0	11.0	12.0	0.4	23.3
	1.0 – 3.0		ROKSG 3,0					24.8
	3.0 – 5.0		ROKSG 5,0					26.9
M10	up to 3.2		ROKSG 3,2	13.0	13.0	14.4	0.5	31.0
	2.5 – 5.5		ROKSG 5,5					33.4
M12	up to 4.2		ROKSG 4,2	16.0	16.0	17.4	0.5	34.5
	4.0 – 7.6		ROKSG 7,6					37.9

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.

Other variants upon request. \* With flush heads, no countersinking of the drilled hole is necessary ^ = time saving.



# Blind rivet bolts

Flat head



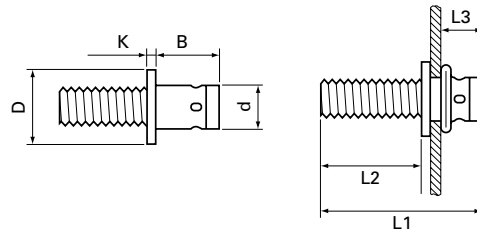
3-D Data: <http://kvt.partcommunity.com>

## Material

Steel

We recommend the following tools:  
Type DFS 309 T or KVT-types with appropriate  
ancillary equipment, see page 28 – 30.

Additional types on request



Thread	Order code	Grip range K	Hole-X +0.1	D	K	B	d	L1	L2*	L3*
M5	M5x2010	0.2 – 2.0	6.6	9.0	0.75	9.0	6.5	18.0	10.0	4.5
	M5x2015							23.0	15.0	
	M5x3510	2.0 – 3.5				10.5		18.0	10.0	
	M5x3515							23.0	15.0	
M6	M6x2510	0.5 – 2.4	7.8	10.0	1.00	10.0	7.7	19.5	10.0	5.0
	M6x2515							24.5	15.0	
	M6x2520							29.5	20.0	
	M6x4010	2.5 – 4.0	7.8	10.0	1.00	11.5	7.7	19.5	10.0	5.0
	M6x4015							24.5	15.0	
	M6x4020							29.5	20.0	
	M6x6010							21.0	10.0	
	M6x6012	4.0 – 6.0	7.8	10.0	1.00	13.5	7.7	24.0	12.0	5.0
	M6x6015							26.0	15.0	
	M6x6020							31.0	20.0	
M6x6020	31.0							20.0		
M8	M8x3015	0.3 – 3.0	9.9	12.0	1.50	12.5	9.8	27.0	15.0	7.0
	M8x3020							32.0	20.0	
	M8x5015	3.0 – 5.0				15.0		27.0	15.0	
	M8x5020							32.0	20.0	

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request. \* Dimensions may differ according to the stroke setting of the tool.



# Blind rivet bolts

Countersunk head



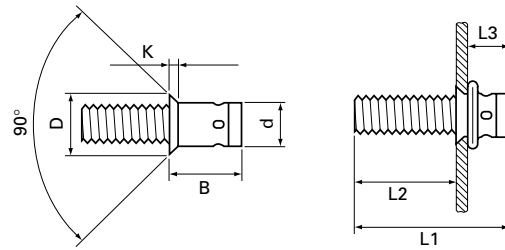
3-D Data: <http://kvt.partcommunity.com>

**Material**

Steel

We recommend the following tools:  
Type DFS 309 T or KVT-types with appropriate  
ancillary equipment, see page 28 – 30.

Additional types on request



Thread	Order code	Grip range K	Hole-X +0.1	D	K	B	d	L1	L2*	L3*
M5	M5x3110	1.5 – 3.0	6.6	9.0	1.40	10.0	6.5	18.0	10.0	4.5
	M5x3115							23.0	15.0	
M6	M6x3610	1.5 – 3.4	7.8	10.0	1.30	11.0	7.7	19.5	10.0	5.0
	M6x3615							24.5	15.0	
	M6x3620							29.5	20.0	
M8	M8x4115	1.5 – 4.0	9.9	12.0	1.30	13.5	9.8	27.0	15.0	7.0
	M8x4120							32.0	20.0	
	M8x5615	4.0 – 5.5				27.0		15.0		
	M8x5620					32.0		20.0		

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request. \* Dimensions may differ according to the stroke setting of the tool.

# Blind clip-in nuts

Flat head and large flat head



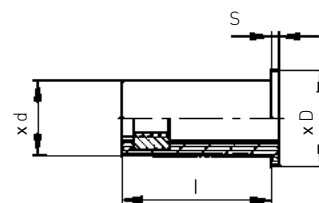
## FlexiNut series

### Neoprene version

- Can be installed without tools
- Can be used blind (sections, pipes)
- Also suitable for blind holes
- Dampens shocks and vibration
- Dielectrically (insulating)

#### Material

Neoprene/thread insert of brass



#### Flat head

Thread	Order code	Grip range	Hole-X +0.1	X d	X D	S	L
M3	M3 WNPA 11	0.4 - 4.0	8.0	7.9	11.0	1.2	11.4
M4	M4 WNPA 11	0.4 - 4.0	8.0	7.9	11.0	1.2	11.4
M5	M5 WNPA 16	0.9 - 5.9	9.7	9.6	14.0	1.0	16.0
	M5 WNPA 22	4.0 - 10.0			14.0	0.9	20.6
	M5 WNPA 25	7.9 - 15.0			14.0	1.3	25.2
M6	M6 WNPA 15	0.4 - 4.0	12.8	12.7	16.0	1.3	14.7
	M6 WNPA 19	4.7 - 8.7			16.0	1.3	19.0
	M6 WNPA 25	6.4 - 11.5			16.3	2.0	24.7
M8	M8 WNPA 15	0.4 - 4.0	16.0	15.9	21.5	3.2	18.3

#### Large flat head

Thread	Order code	Grip range	Hole-X +0.1	X d	X D	S	L
M3	M3 WNPL 25	9.5 - 13.0	6.2	6.1	14.0	0.9	24.0
M4	M4 WNPL 13	0.4 - 4.4	8.0	7.9	19.1	1.5	12.7
M5	M5 WNPL 16G	0.8 - 5.8	9.7	9.6	19.0	4.7	16.3
	M5 WNPL 16J	0.8 - 5.8			19.0	2.0	16.0
M6	M6 WNPL 15	0.8 - 4.7	12.8	12.7	19.1	4.8	16.3

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request.



# Hand tools

## PNT 110

- Hand pliers for installing smaller series
- Suitable for repairs and laboratory purposes
- Weight: 0.68 kg
- Suitable for:

Blind rivet nuts	Thread sizes
Aluminum	M3/M4/M5/M6
Steel	M3/M4/M5/M6
Stainless steel	M3/M4/M5

- Standard set: M3/M4/M5/M6

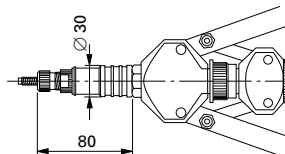


## DFS 309 T

- Hand tool for inserting blind rivet nuts and blind rivet bolts
- Weight: 2.4 kg
- Suitable for:

Blind rivet nuts	Thread sizes
Steel/Aluminum	M4 – M8
Stainless steel	M4 – M8
Blind rivet bolts	Thread sizes
	M5 – M8

- Complete set in aluminum case

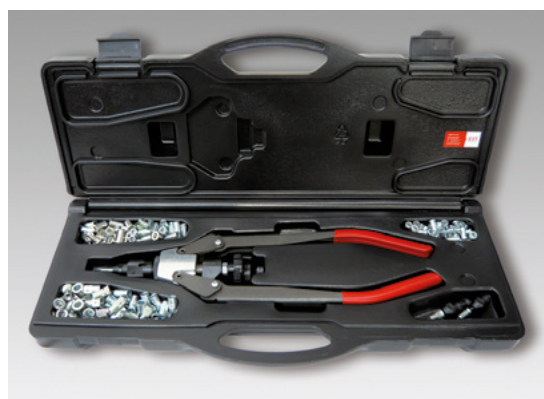


## KS 08

- Hand tool for inserting FASTEKS FILKO® and ecosyn®-BCT blind rivet nuts
- Weight: ca. 1.7 kg
- Suitable for:

Blind rivet nuts	Thread sizes
Steel	M4 – M8
Stainless steel	M4 – M8
Aluminum	M4 – M10

- Standard set: M4 – M10



Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request.

# Pneumatic-hydraulic tools

Technical data	KVT 206	KVT 810 Usuable for inserting blind rivet bolts, too.	KVT 912 Usuable for inserting blind rivet bolts, too.
<b>Weight</b>	1.3 kg	1.88 kg	1.99 kg
<b>Operating pressure</b>	5 – 7 bar	5 – 7 bar	5 – 7 bar
<b>Tensile force (at 6 bar)</b>	10 kN	19.2 kN	30 kN
<b>Stroke length</b>	0 – 4.0 mm	0 – 6.0 mm	0 – 6.0 mm
<b>Air consumption (at 7 bar)</b>	about 0.9 l/Hub	about 1.8 l/Hub	about 2.5 l/Hub
<b>Approx. height</b>	155 mm	160.5	168
<b>Approx. length</b>	230 mm	344	354
<b>Equipment</b>	M4 – M6	M5 – M8	M8 – M12



Tool	Material	Thread sizes						
		M3	M4	M5	M6	M8	M10	M12
KVT 206	Aluminum	■	■	■	■	■	□	□
	Steel	■	■	■	■	□	□	□
	Stainless steel	■	■	■	□	□	□	□
KVT 810	Aluminum	■	■	■	■	■	■	□
	Steel	■	■	■	■	■	■	□
	Stainless steel	■	■	■	■	■	□	□
KVT 912	Aluminum	■	■	■	■	■	■	■
	Steel	■	■	■	■	■	■	■
	Stainless steel	■	■	■	■	■	■	■

- Recommended working range
- Possible working range
- Outside of the possible working range
- Limited working range depending on air pressure, shank shape, grip range/plate thickness (enquire/carry out trials)

Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request.

# Pneumatic-hydraulic tools

## 74200, stroke controlled

Technical data	
Weight	2.2 kg without equipment
Operating pressure	5 – 7 bar
Tensile force (at 5 bar)	19.1 kN
Stroke length	max. 7 mm
Approx. height	280 mm
Approx. length	250 mm
Equipment	without

Suitable for:

Blind rivet nuts	Thread sizes
Steel/aluminum	M3 – M12
Stainless steel	M3 – M10



## ProSert XTN20, force and stroke controlled

Technical data	
Weight	about 1,59 kg (with equipment M6)
Operating pressure	5 – 7 bar
Tensile force (at 5 bar)	17.65 kN
Stroke length	3 – 7 mm
Approx. height	273 mm
Approx. length	259 mm
Equipment	M4 – M8

Suitable for:

Blind rivet nuts	Thread sizes
Steel/aluminum/stainless steel	M3 – M6
Aluminum /steel	M8
Aluminum	M10



Subject to change without notice. Please refer to your local e-shop for the current assortment and dimensions.  
Other variants upon request.

# KVT-Fastening – Fastening technology



Blind rivet nuts



Blind rivet technology



Thread inserts



Self-clinching fasteners



Stud welding systems<sup>1)</sup>



Lock nuts



Bonding fasteners



Access solutions



Quick fastening elements and clips



Quick release pins and spring plungers



Adhesives and sealants<sup>1)</sup>



Construction fasteners<sup>2)</sup>



Special processes<sup>2)</sup>



Plugs



Pressure intensifiers<sup>3)</sup>



Installation technology



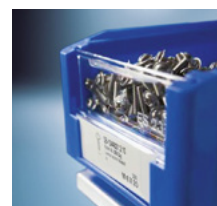
Quick connectors<sup>4)</sup>

## Fastening, sealing and flow control solutions for complex applications

The extensive KVT-Fastening portfolio offers optimal solutions for your most challenging applications. The products included in this catalog represent only a selection from our entire product portfolio. Upon request, we will be pleased to provide additional information or an individual consultation to you.

### Intelligent logistic systems

Bossard SmartBin and SmartLabel are intelligent logistics systems which monitor stock with total reliability and ensure stock replenishment automatically. An online system transmits the data to our server, and this – if necessary – triggers an order. These systems ensure quick and easy availability of C-parts while production is running.



Logistic systems

### Competent analysis for efficient Engineering Services

KVT-Fastening's highly qualified experts analyze the given task at hand. Based on this sound understanding of the project, they then develop ideal solutions that are economical, efficient, and safe.



Engineering Services

For more information about our range of products and order at our E-shop, please visit [www.kvt-fastening.com](http://www.kvt-fastening.com)

<sup>1)</sup> Not available in Germany. <sup>2)</sup> Only available in Switzerland. <sup>3)</sup> Not available in Switzerland. <sup>4)</sup> Not available in Austria.

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