Version 03.2026
www.arnold-fastening.com

ARNOLD®
BlueFastening Systems



PIAS® / Rivtex®

Pierce-clinch nuts for higher torque requirements

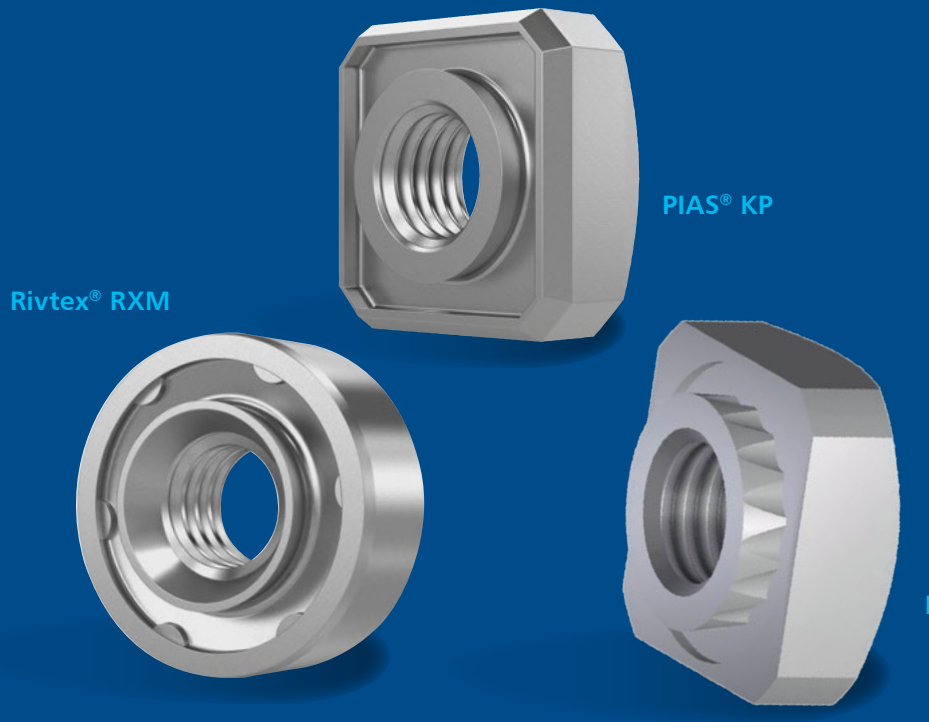
- self-piercing
- high level of process reliability
- flush-mounted processing
- processing can be manual, semi or fully automated
- self-locking thread possible

shutterstock-ID: 1324982741 | © Jenson

100%

Torque

You can achieve high torque nut threads in metal components using our “self-pierce-clinching nuts”.



PIAS® KP

Rivtex® RXM

PIAS® HN

The PIAS® / Rivtex® effect

High level of process reliability

↘ Low screw-in torques and high overtorques ensure a high level of fastening reliability.

Flush-mounted processing

↘ A clamping part can be flush-mounted to PIAS/Rivtex nuts.

Self-piercing

↘ No component preparation is required, such as punching or pre-drilling, because the pierce-clinch nut creates its own through-hole. Thus saving time and achieving greater accuracy.

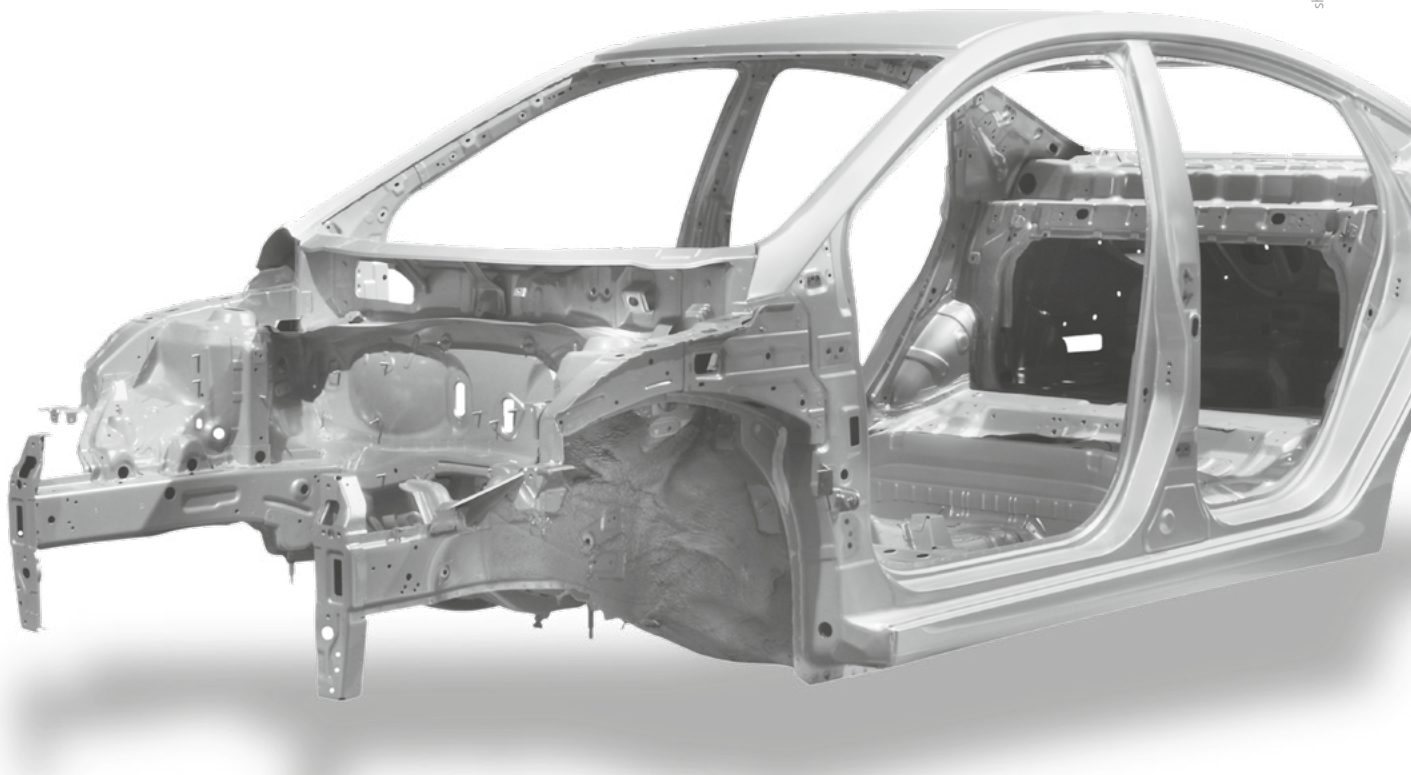
Self-locking thread possible

↘ Reduces loosening of the screw fastening caused by vibration or movement.

PIAS® / Rivtex®
The innovative “power nuts“



PIAS® is a self-punching clinch nut that meets very high torque requirements.

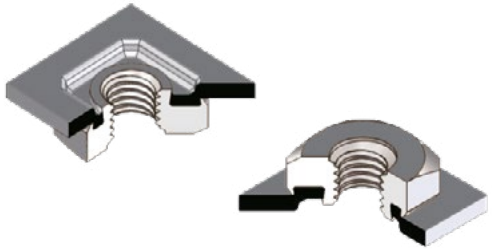


shutterstock-ID: 60300172 | © Vereshchagin Dmitry

Self-punching ARNOLD clinch nuts up to 4 mm – the PIAS® / Rivtex®

It can be processed in any way – manually, semi-automatically, or fully automatically. So it can fit in extremely flexibly with your production planning. The PIAS® self-punching nut can punch up to 4 mm. It provides a high level of mechanical strength, high torque and excellent process reliability. Need a self-locking thread? The PIAS® from ARNOLD makes this a possibility.

PIAS® KP
for higher torque requirements



PIAS® KP

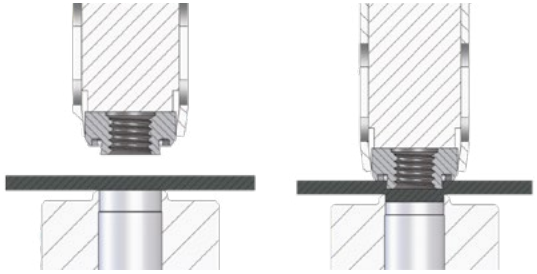
Benefits

- self-piercing
- higher torque requirements
- high process reliability in fully-automated processing
- flush-mounted processing
- processing can be manual, semi or fully automated
- self-locking thread possible

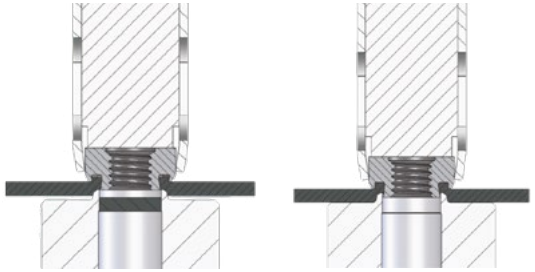
The advantages over welding:

- corrosion resistant
- no weld spatter on the thread
- no thermal weakening at the fastening position

Function sequence



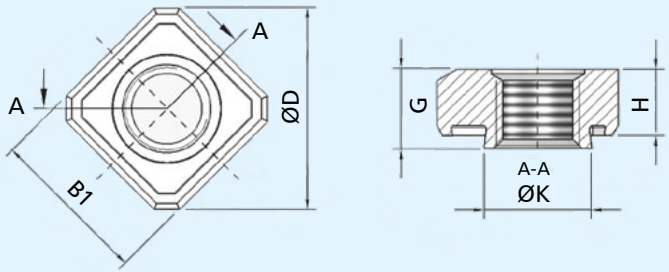
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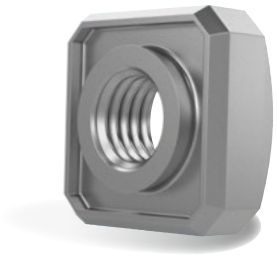


03 04

ARNOLD® BlueFastening Systems

PIAS® KP – the classic pierce-clinch nut





Note: Clampingarea bigger than 1.75 mm please contact the manufacturer, if a preholed processing is recommended or a Nut could be used directly.

PIAS®, Rivtex® are registered trademarks of CONTI Fasteners AG

			B1	ØD	G	H	ØK
		Metal thickness	±0.08	min.	±0.18	±0.18	
M5	KP 5S	0.6 – 1.5	11.40	14.40	5.50	5.00	7.12 ±0.08
M5	KP 5H	1.2 – 2.0	12.72	15.80	6.00	4.80	8.42 ±0.08
M6	KP 6S	0.6 – 1.3	12.72	15.80	5.50	5.00	8.42 ±0.08
M6	KP 6T	0.8 – 1.5	12.72	15.80	5.70	5.00	8.42 ±0.08
M6	KP 6H	1.2 – 2.0	12.72	15.80	6.00	4.80	8.42 ±0.08
M8	KP 8S	0.6 – 1.3	15.52	19.50	7.00	6.50	10.42 ±0.08
M8	KP 8T	0.9 – 1.75	15.52	19.50	7.30	6.50	10.42 ±0.08
M8	KP 8H	1.2 – 2.0	15.52	19.50	7.70	6.50	10.42 ±0.08
M10	KP 10S	0.8 – 1.5	16.80	20.80	8.20	7.50	11.92 ±0.08
M10	KP 10H	1.5 – 2.0	18.80	23.60	10.00	8.80	13.30 ±0.10
	KP 7 / 16“	1.5 – 2.0	18.80	23.60	10.00	9.10	13.30 ±0.10

Surface	Thread tolerance
Bright	6 G
Zinc coated transparent	6 H
Zinc / nickel	6 H
Galvanised, thick coat passivated	6 H

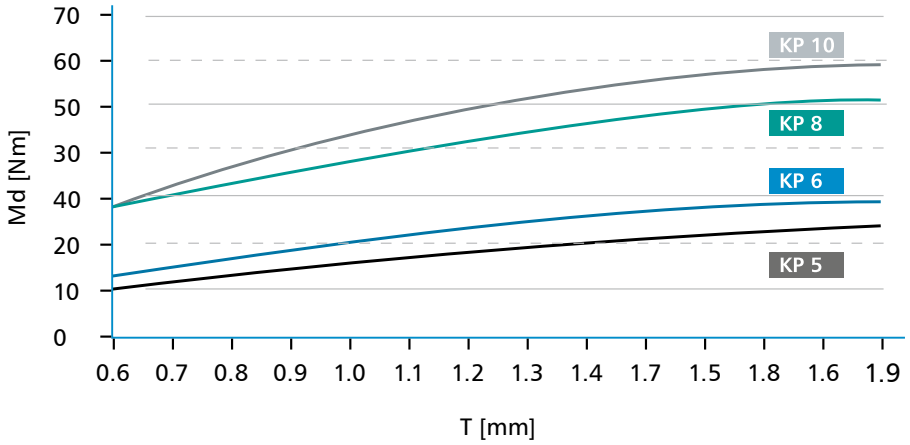
Technical data

	Metal thickness	Strength class
Steel	0.6 – 2.00 mm	8 and 10
Aluminium	0.6 - 2.50 mm	

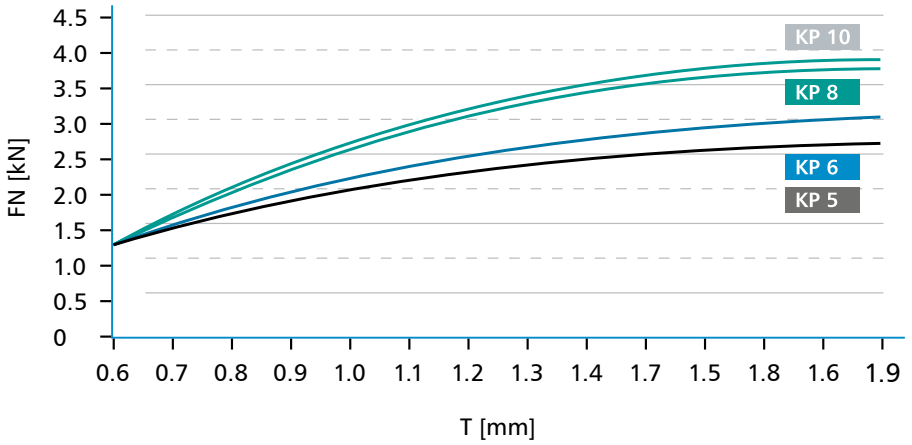
Pull-out and torque values

Note: The values stated are examples. The actual values must be determined separately for the application in question.

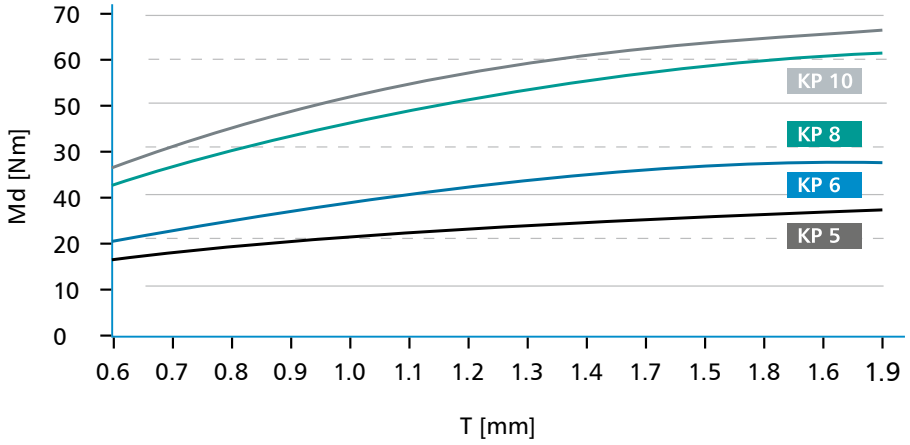
Torque, cl 8, DC 01



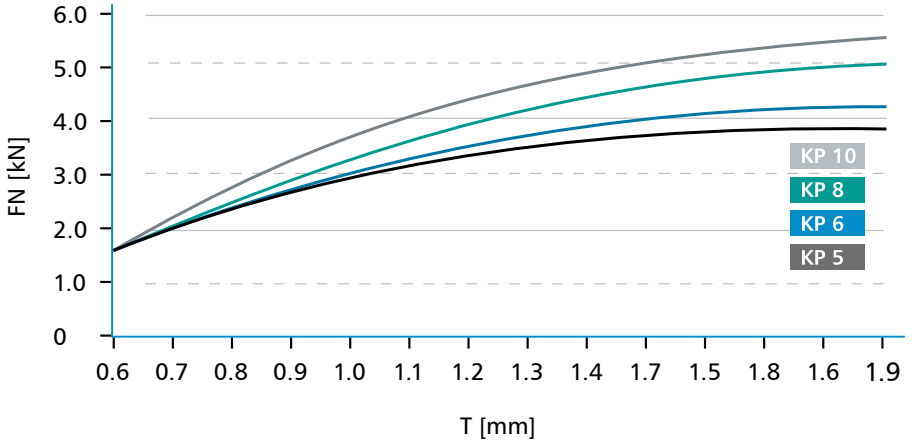
Pull-out force, cl 8, DC 01



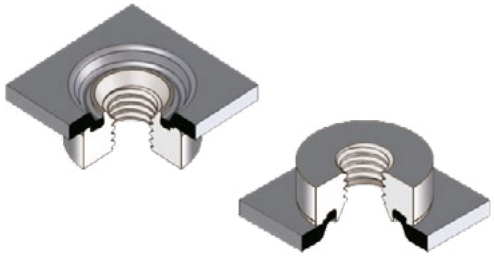
Torque, cl 10, S 235



Pull-out force, cl 10, S 235



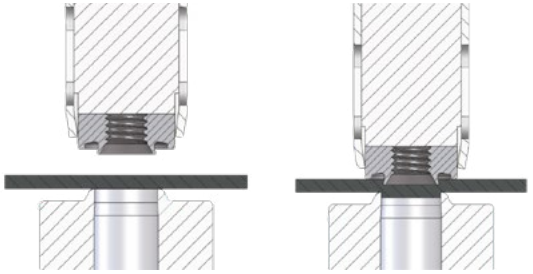
Rivtex® RXM
One nut for all stated sheet metals



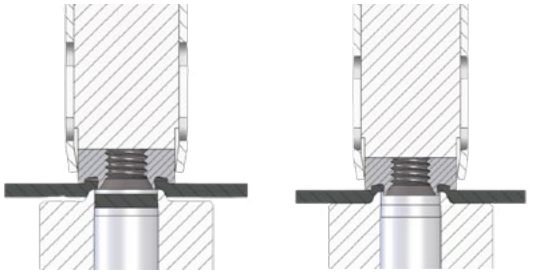
Rivtex® RXM
Benefits

- self-piercing
- one nut for all sheet metals from 0.75 mm to 2.0 mm
- flush-mounted processing
- very good press-out and torque values
- self-locking thread possible
- corrosion resistant
- no weld spatter on the thread
- no thermal weakening at the fastening position

Function sequence

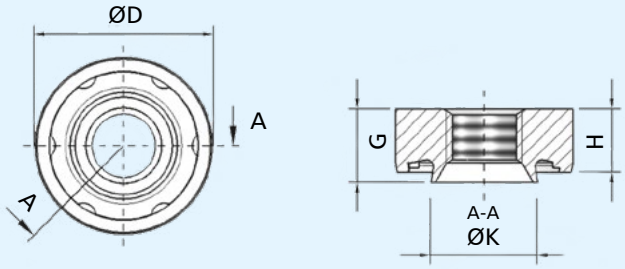


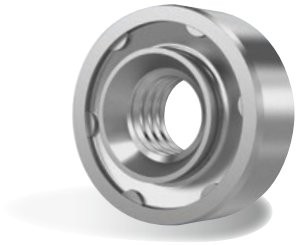
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Rivtex® RXM – the round alternative





Note: Clampingarea bigger than 1.75 mm please contact the manufacturer, if a preholed processing is recommended or a Nut could be used directly.

PIAS®, Rivtex® are registered trademarks of CONTI Fasteners AG

		ØD	ØK	G	H
	Metal thickness	**+ 0.15**	**±0.1**	**min.**	**±0.1**
RXM 5	0.75 – 2.00	14.0	8.4	5.8	5.0
RXM 6	0.75 – 2.00	14.0	8.4	5.8	5.0
RXM 6	0.75 – 2.00	18.0	8.4	5.8	5.0
RXM 8	0.75 – 2.00	16.5	10.4	6.9	5.9
RXM 8	0.75 – 2.00	20.3	10.4	6.9	5.9
RXM 10	0.75 – 2.00	18.5	12.4	8.2	7.2

Surface	**Thread tolerance**
Bright	6 G
Zinc coated transparent	6 H
Zinc / nickel	6 H
Galvanised, thick coat passivated	6 H

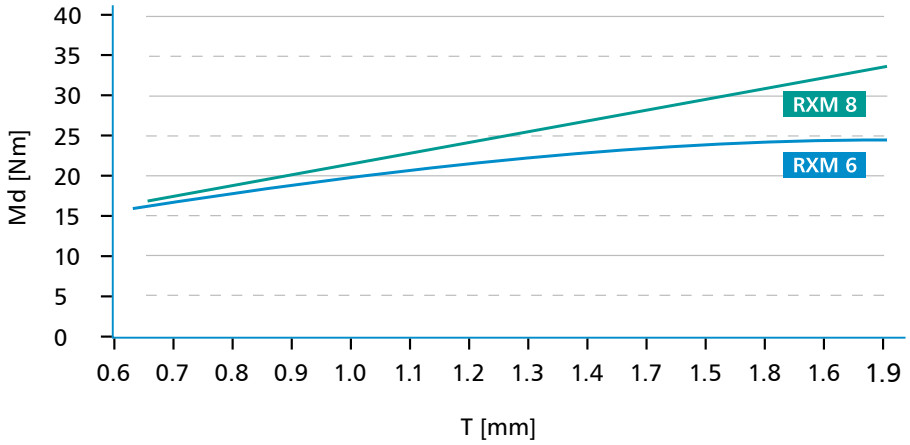
Technical data

	Metal thickness	**Strength class**
Stahl	0.75 – 2.00 mm	10
Aluminium	0.75 - 2.50 mm	

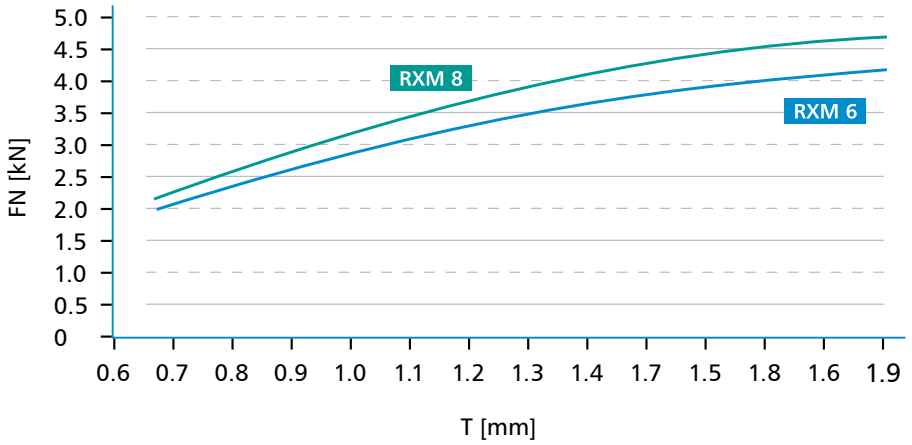
Pull-out and torque values

Note: The values stated are examples. The actual values must be determined separately for the application in question.

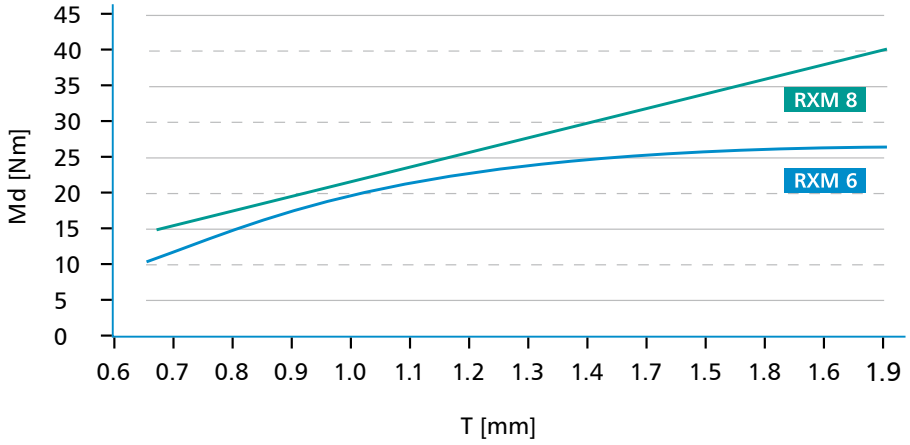
Torque, cl 10, DC 01



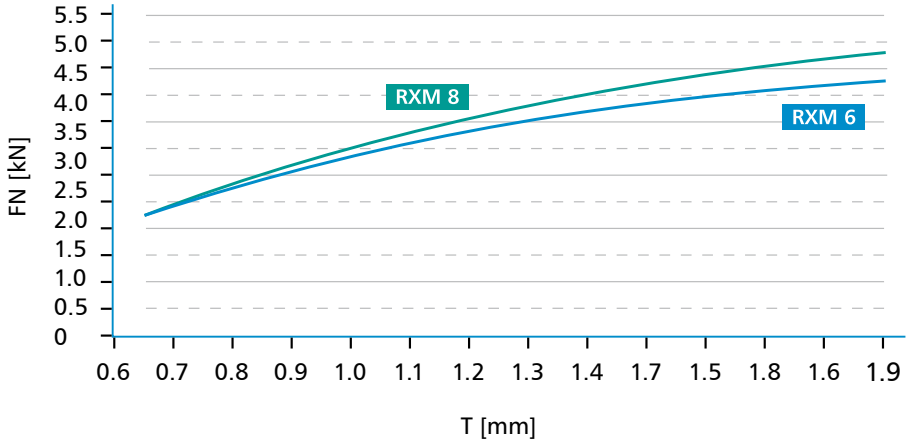
Pull-out force, cl 10, DC 01



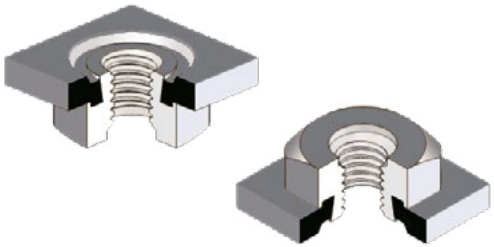
Torque, cl 10, S 235



Pull-out force. cl 10. S 235



PIAS® HN
pierce clinch nut for metal thicknesses greater than 2.0 mm

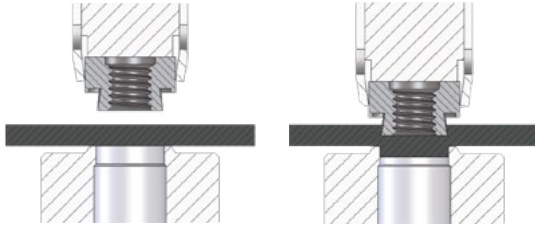


PIAS® HN

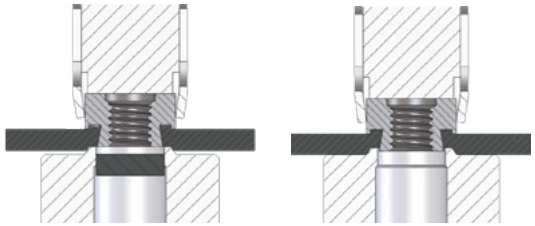
Benefits

- self-piercing up to 4.0 mm
- high mechanical rigidity
- high torque
- high level of process reliability
- self-locking thread possible

Function sequence

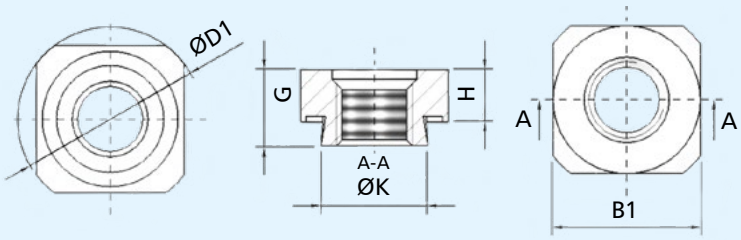


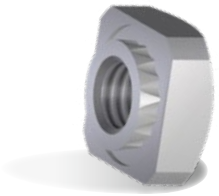
01 02



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PIAS® HN – the power nut





For metal thicknesses greater than 2.0 mm

PIAS®, Rivtex® are registered trademarks of CONTI Fasteners AG

Technical data

	Metal thickness	Strength class
Steel	2.0 – 4.00 mm	10
Aluminium	2.0 - 5.00 mm	

Other dimensions available on request.

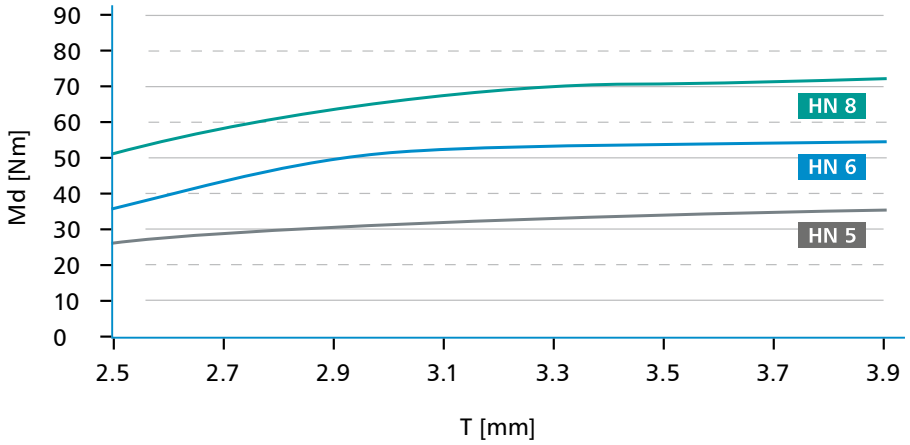
		external dimension B1 ±0.08	Height Nut body H ±0.1	Total height G	Diameter Punch collar K ±0.1	Ø D1 min.
M5	HN 5L 2.3	11.4 x 11.4	4.50	6.30	8.00	14.40
	HN 5L 2.5			6.50		
	HN 5L 3.0			7.00		
	HN 5L 3.5			7.50		
	HN 5L 4.0			8.50		
M6	HN 6L 2.3	12.72 x 12.72	5.00	6.80	9.20	15.80
	HN 6L 2.5			7.00		
	HN 6L 3.0			7.50		
	HN 6L 3.5			8.00		
	HN 6L 4.0			8.50		
M8	HN 8L 2.3	15.52 x 15.52	5.50	7.30	11.30	19.50
	HN 8L 2.5			7.50		
	HN 8L 3.0			8.00		
	HN 8L 3.5			8.50		
	HN 8L 4.0			9.00		
M10	HN 10L 2.3	16.80 x 16.80	7.50	9.30	13.70	20.80
	HN 10L 2.5			9.50		
	HN 10L 3.0			10.00		
	HN 10L 3.5			10.50		
	HN 10L 4.0			11.00		

		external dimension B1 ±0.15	Height Nut body H ±0.1	Total height G	Diameter Punch collar K ±0.1	Ø D1 min
M12	HN 12L 2.3	18.80 x 18.80	9.00	10.80	15.70	23.60
	HN 12L 2.5			11.00		
	HN 12L 3.0			11.50		
	HN 12L 3.5			12.00		
	HN 12L 4.0			12.50		

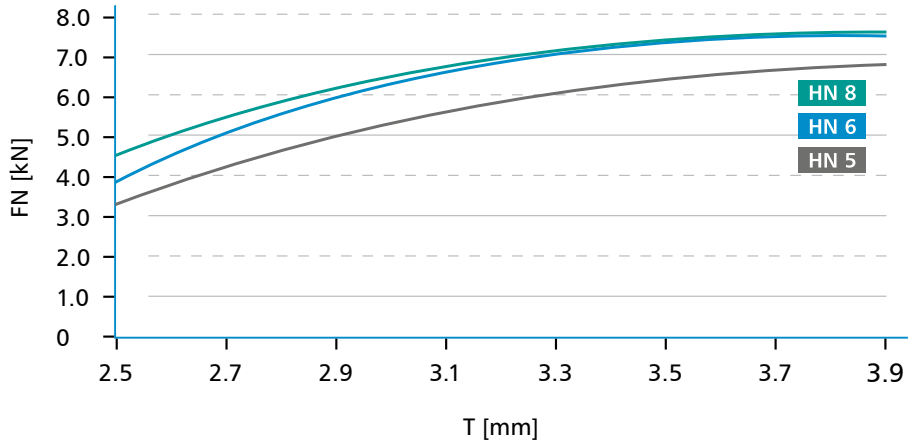
Pull-out and torque values

Note: The values stated are examples. The actual values must be determined separately for the application in question.

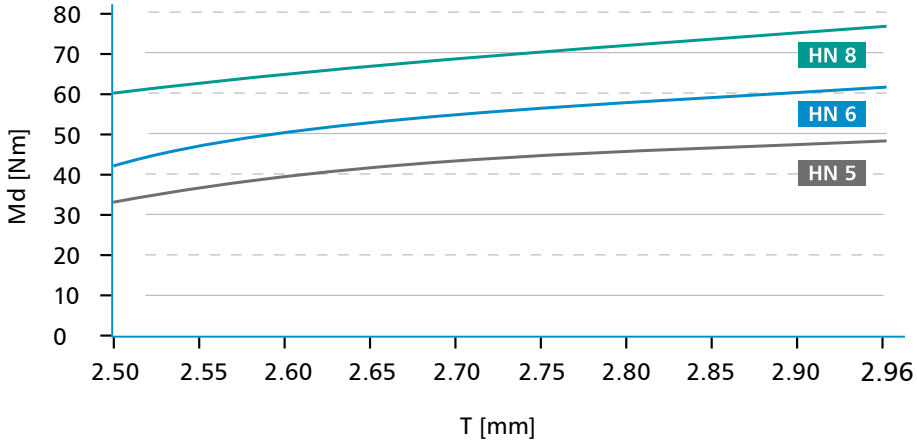
Torque, cl 10, DC 01



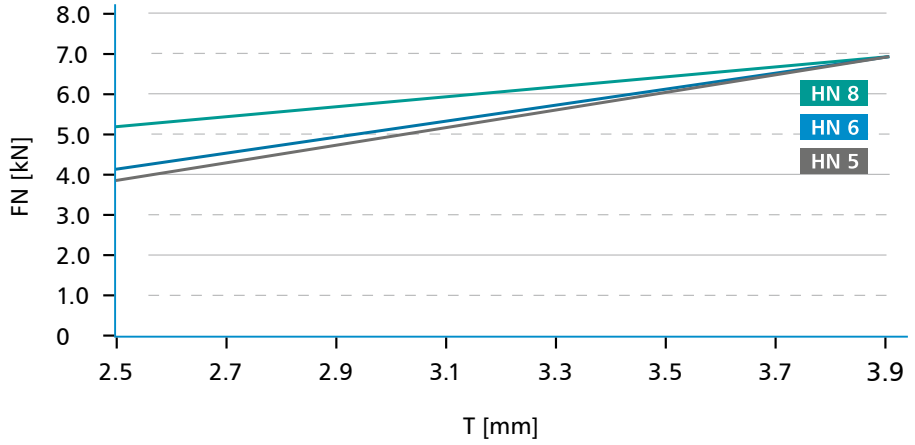
Pull-out force, cl 10, DC 01



Torque, cl 10, S 235



Pull-out force, cl 10, S 235



ARNOLD® BlueFastening Systems

Notizen



The ARNOLD GROUP

www.arnold-fastening.com

Wherever customers need us.

ARNOLD – this name is internationally renowned for efficient and sustainable fastening systems at the highest level.

With a foundation of many years of expertise in the production of intelligent fastening systems and very complex extruded parts, the ARNOLD GROUP has developed over a number of years into a comprehensive supplier and development partner for complex fastening systems. With our positioning of "BlueFastening Systems", this development process will continue under a united and harmonised structure. Engineering, services, fasteners and functional parts, together with feeding and processing systems, all from a single source – efficient, sustainable and international.

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