Version 03.2026
www.arnold-fastening.com

ARNOLD®
BlueFastening Systems



Rivtex® / Strux®

Innovative self-clinching screws

- For thin sheet metals (Rivtex®)
- For thick sheet metals (Strux®)
- For steel and aluminium
- Low inspection and control costs
- Can process several self-clinching screws in a single stroke

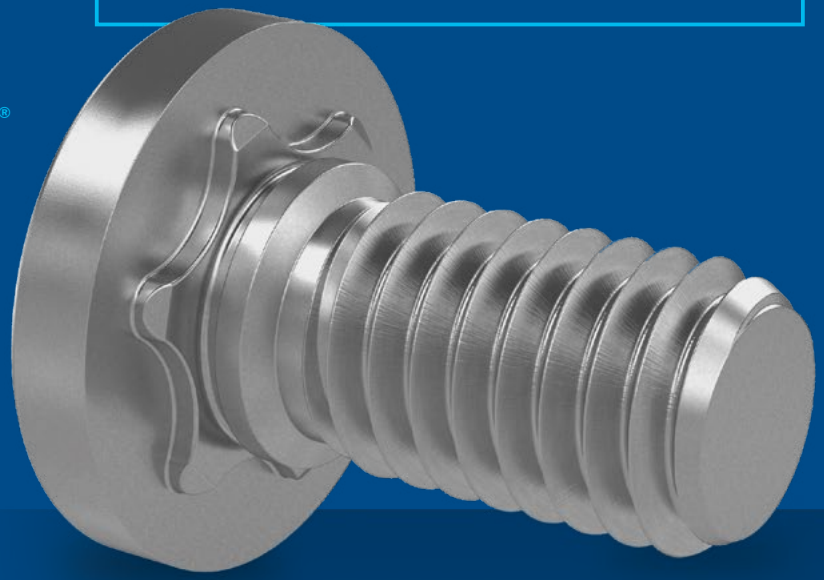
shutterstock-ID: 511412404, 29953975 | © kvsan, Roman Sigaev

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Low cycle times

Fast cycle times are in demand. Our clinch screws are the economic and rapid alternative to welding. Our two variants ensure that connecting both low and high strength metals is reliable, secure, and very effective.

Strux®



Rivtex® / Strux® effect

For use in thin sheet metals (Rivtex®)

↘ ARNOLD's Rivtex® self-clinching screw is particularly suitable for delicate tasks in very thin metals from 0.75 to 2.5 mm.

For heavy loads in thick sheet metals (Strux®)

↘ ARNOLD Strux® is your first choice for heavy loads and thicker metals. The screw is suitable for sheet thicknesses of 2 to 5 mm.

For steel and aluminium

↘ Unlike with conventional welding there is no thermal weakening at the connection point.

A complete solution from a single supplier

↘ As well as these top-class fasteners, you get system technology that is perfectly adapted by ARNOLD. It means that you have a single contact for the entire system and can obtain all your components from a single source.

Rivtex® / Strux®
The cost-optimized alternative to weld screws



ARNOLD TV PRESENTS



Rivtex® RXS – the small and delicate self-clinching screw

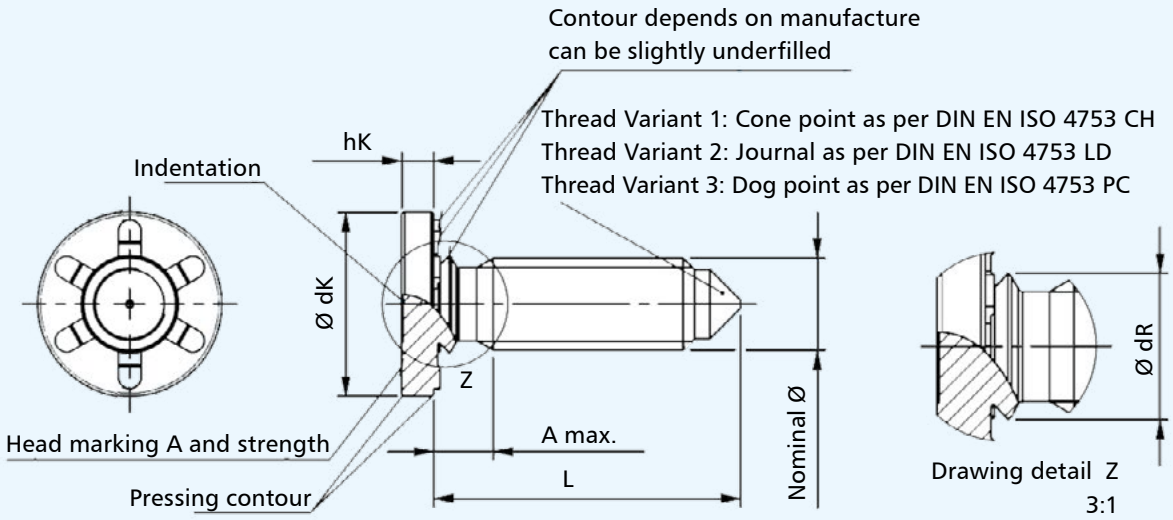


Illustration of thread end: Variant 3

Dimensions of Rivtex® RXS self-clinching screws screw lengths

L [mm]	Nominal Ø [mm]
12	M5 – M6
16	M5 – M10
20	M5 – M10
25	M5 – M10
30	M6 – M10
40	M8 – M10

Nominal Ø thread Rivtex® RXS	Ø dK -0.27 mm	hK ± 0.15 mm	Ø dR -0.2 mm	A max. [mm]	Sheet thickness [mm]	Ø of predrilled hole metal [mm]
M5	9.00	1.80	5.35	3.10	0.75 – 2.50	5.35 +0.1
M6	12.00	2.10	6.35	3.50	0.75 – 2.50	6.35 +0.1
M8	16.00	2.80	8.50	4.50	0.75 – 2.50	8.50 +0.15
M10	20.00	3.50	10.50	5.30	1.00 – 2.50	10.50 +0.15

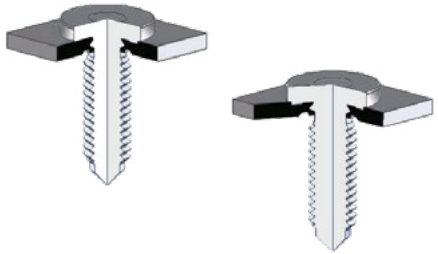
Rivtex® RXS
Especially suitable for use in thin sheet-metals

Rivtex® RXS

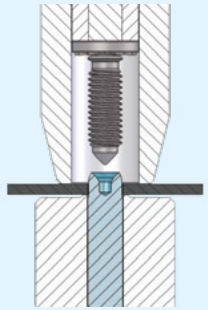
Benefits

- especially suitable for use in thin sheet-metals
- can process several self-clinching screws in a single stroke
- can be used in steel and aluminium
- metal thickness: 0.75 - 2.5 mm strength class 8.8 and 10.9
- low inspection and control costs
- avoids emissions and reduces energy costs
- no thermal weakening at the fastening position

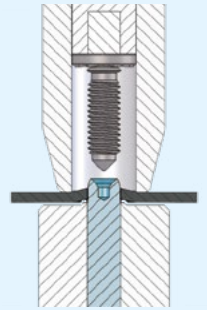
Metal thickness [mm]	Strength class	Sheet strength [MPa]
0.75 – 2.5	8.8 and 10.9	up to 600



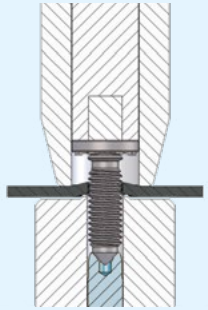
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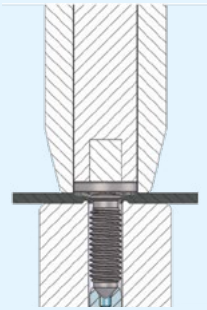
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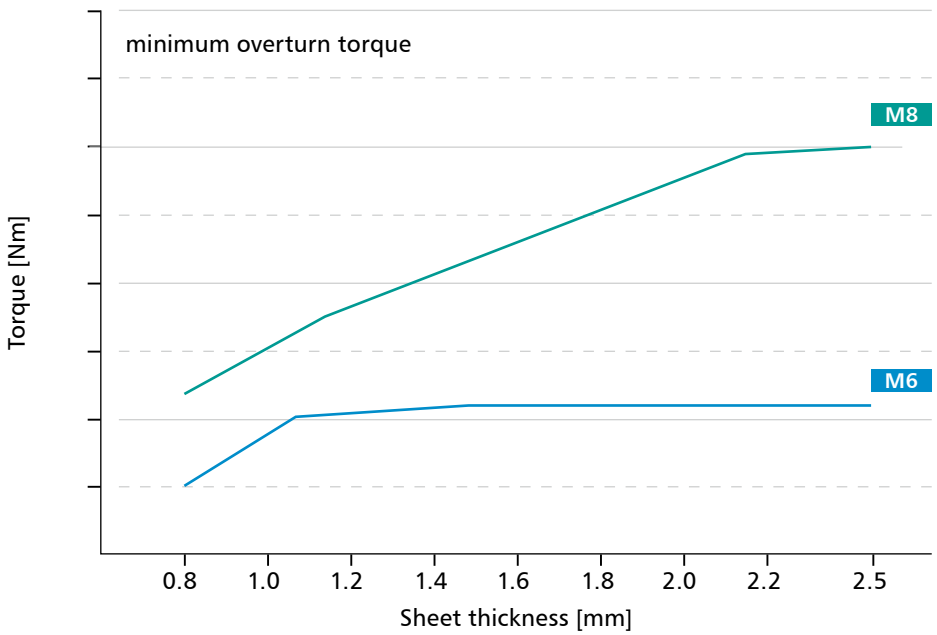


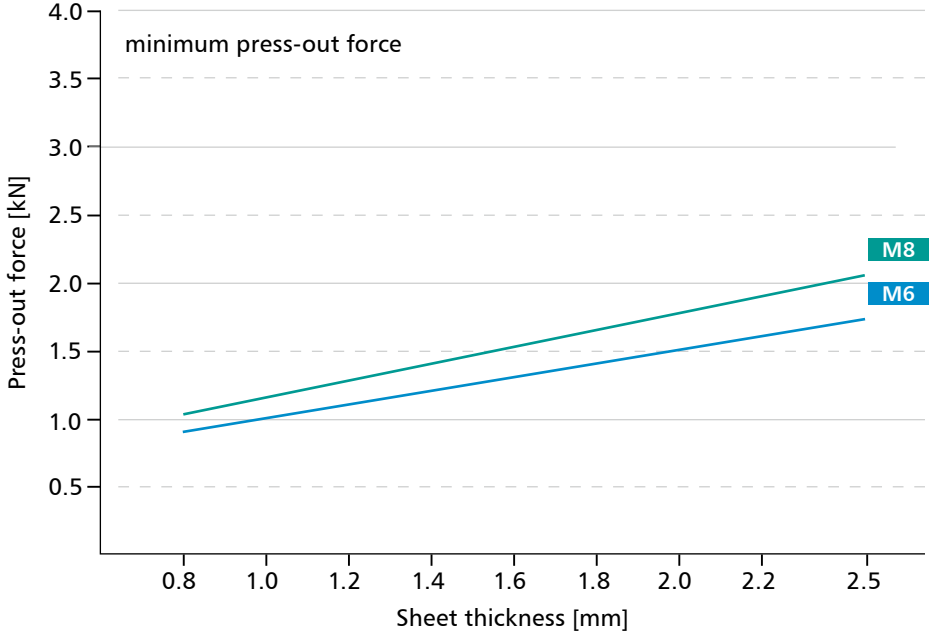
03



04

Rivtex® RXS – Press-out and torque values (material Rm=350 N/mm²)





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

Strux® SX – the strong self-clinching screw

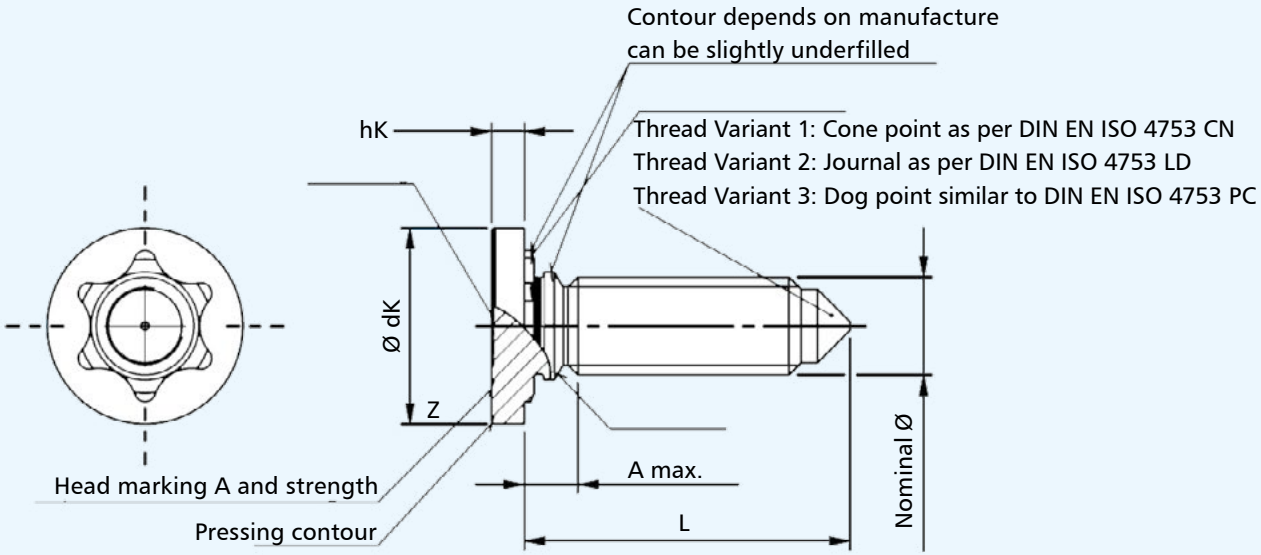


Illustration of thread end: Variant 3

Nominal Ø thread Strux® SX	Ø dK -0.43 mm	hK ± 0.15 mm	A max. [mm]	Sheet thickness [mm]	Ø of predrilled hole metal [mm]
M5	10.00	2.00	3.00	2.00 – 5.00	5.7 ±0.05
M6	12.00	2.00	3.30	2.00 – 5.00	6.7 ±0.05
M8	16.00	3.00	4.00	2.00 – 5.00	8.7 ±0.05
M10	20.00	3.50	4.50	2.00 – 5.00	10.7 ±0.05

Dimensions of Strux® SX self-clinching screws screw lengths

L [mm]	Nominal Ø [mm]
12	M5 – M6
16	M5 – M10
20	M5 – M10
25	M5 – M10
30	M6 – M10
40	M6 – M10

Strux® SX
Especially suitable for heavy loads in thick sheet metals

Strux® SX

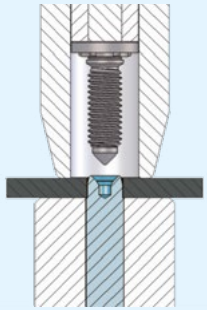
Benefits

- especially suitable for heavy loads in thick sheet metals
- can process several self-clinching screws in a single stroke
- can be used in steel and aluminium
- metal thickness: 2.0 – 5.0 mm
- strength class: 8.8 and 10.9
- low inspection and control costs
- avoids emissions and reduces energy costs
- no thermal weakening at the fastening position

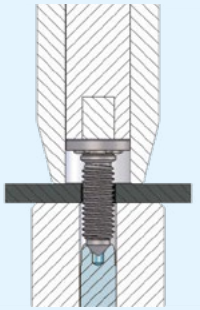
Metal thickness [mm]	Strength class	Sheet strength [MPa]
2.0 – 5.0	8.8 and 10.9	up to 600



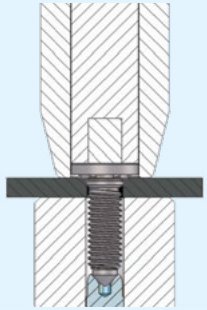
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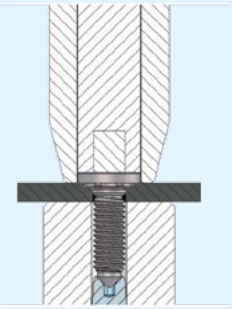
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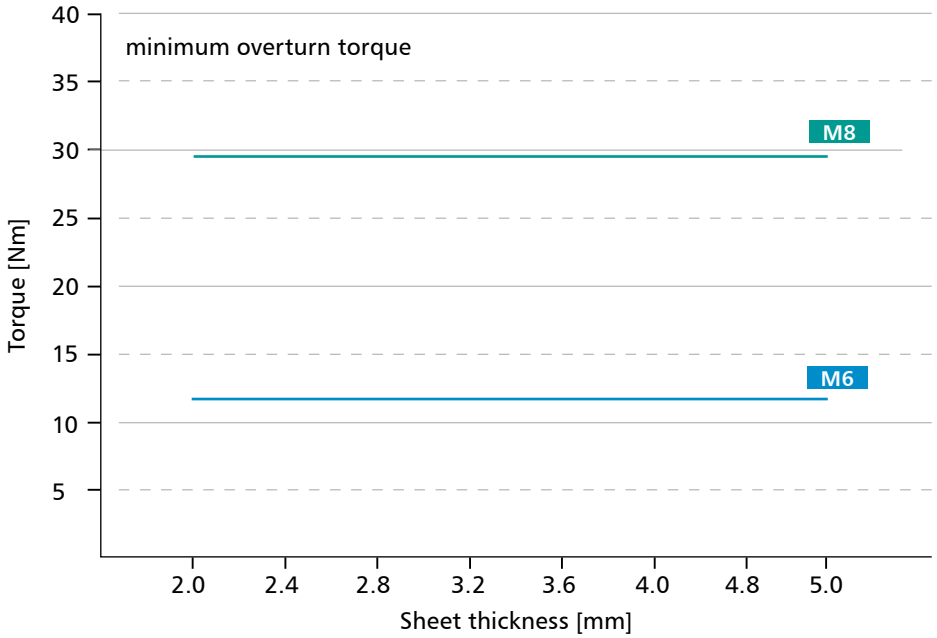


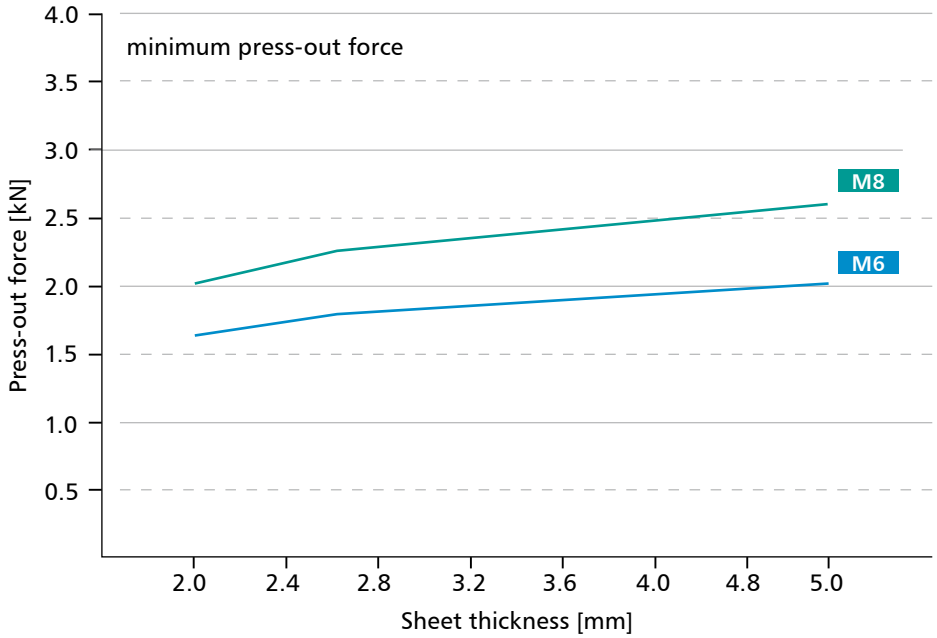
03



04

Strux® SX – Press-out and torque values (material Rm=350 N/mm²)





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



ARNOLD®
BlueFastening Systems

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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