



## RIVTEX<sup>®</sup> | STRUX<sup>®</sup>

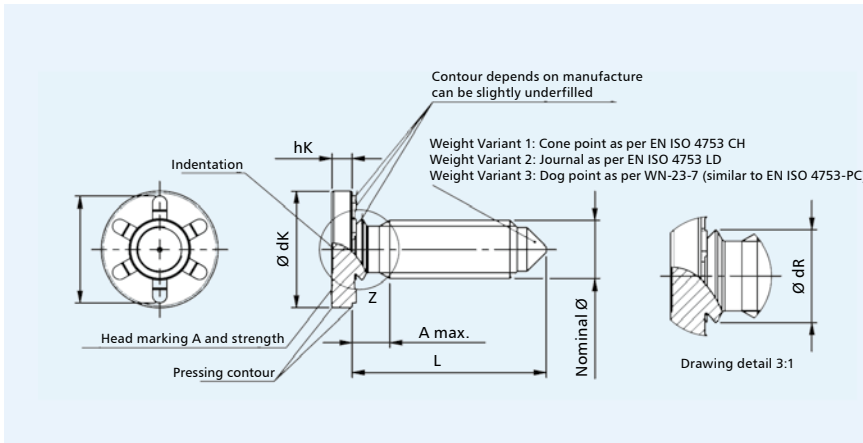
### Self-clinching screws

- + for thin sheet metals (RIVTEX<sup>®</sup>)
- + for thick sheet metals (STRUX<sup>®</sup>)
- + for steel and aluminium
- + low inspection and control costs
- + can process several self-clinching screws in a single stroke

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

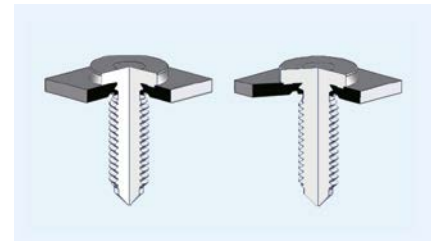


# RIVTEX® RXS – the small and delicate ones



## Technical data

Metal thickness	0.75 – 2.00 mm
Strength class	8.8 and 10.9



## Dimensions of RIVTEX® RXS self-clinching screws

### Standard screw lengths

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

## Technical data

Nominal Ø	Ø dK <sub>-0.43</sub>	hK ± 0.2	Ø dS ± 0.2	Ø dR ± 0.2	A max.	Steel thickness	Ø of predrilled hole Metal
M5	9.00	1.80	8.30	5.35	3.10	0.75 – 2.50	5.35 <sub>-0.1</sub>
M6	12.00	2.10	11.00	6.35	3.50	0.75 – 2.50	6.35 <sub>-0.1</sub>
M8	16.00	2.80	15.00	8.50	4.50	0.75 – 2.50	8.50 <sub>-0.1</sub>
M10	20.00	3.50	19.00	10.50	5.30	1.00 – 2.50	10.50 <sub>-0.1</sub>

## The benefits of RIVTEX® RXS self-clinching screws

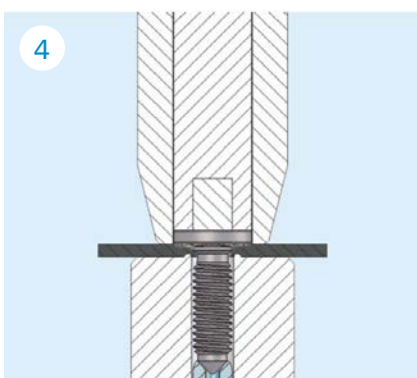
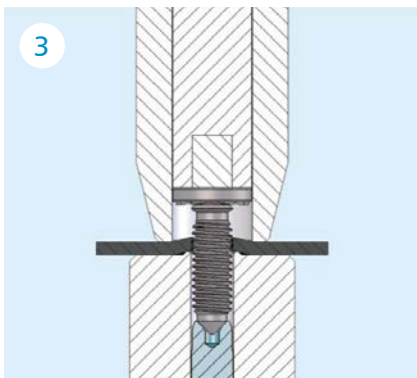
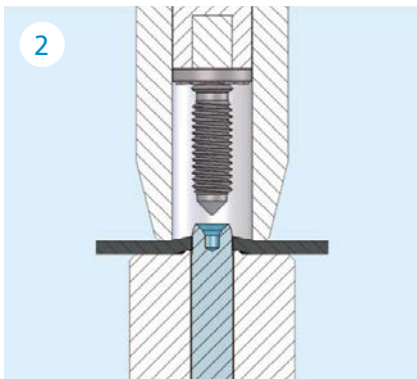
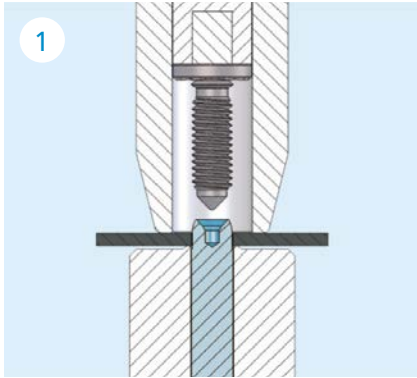
- ⊕ especially suitable for use in thin sheet-metals
- ⊕ can process several self-clinching screws in a single stroke
- ⊕ can be used in steel and aluminium
- ⊕ metal thickness: 0.75 -2.0 mm
- ⊕ strength class 8.8 and 10.9

## The advantages over welding:

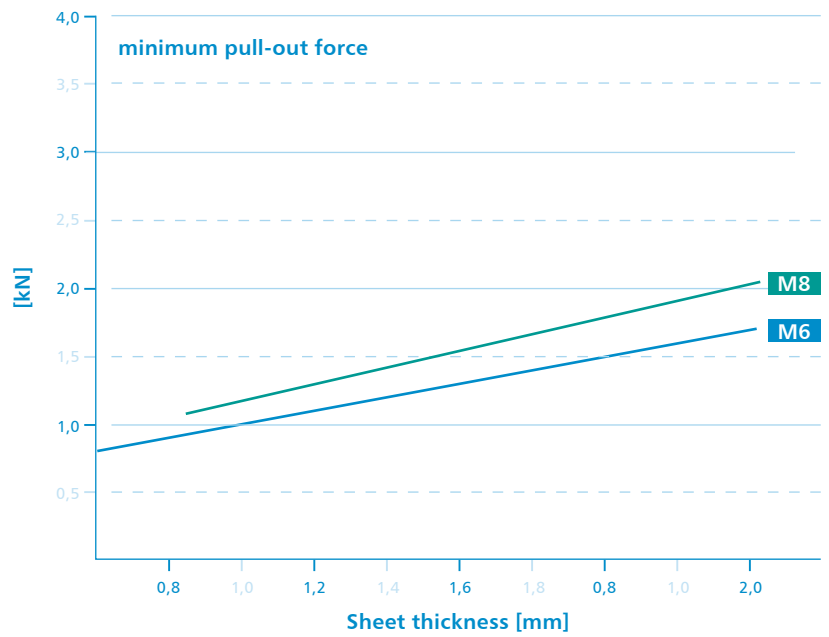
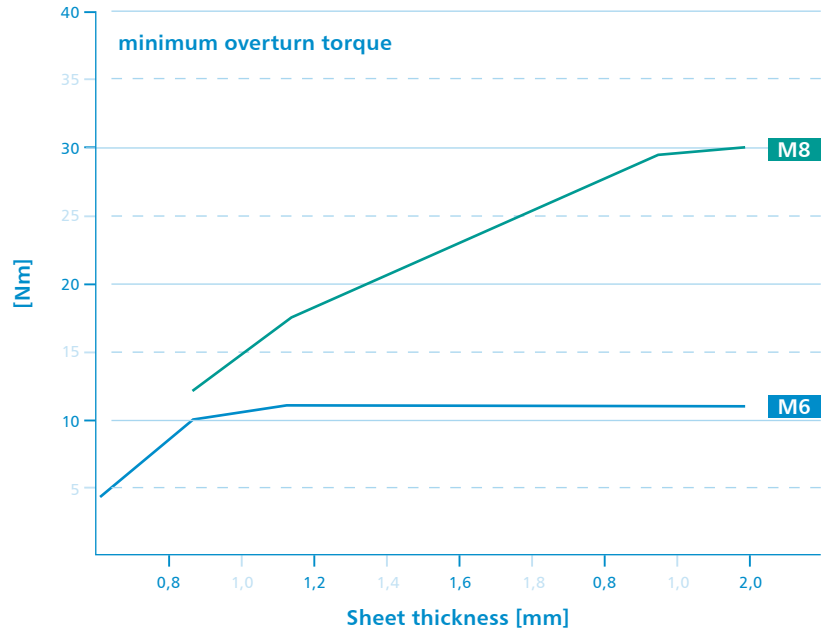
- ⊕ low inspection and control costs
- ⊕ avoids emissions and reduces energy costs
- ⊕ no thermal weakening at the fastening position

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

Function sequence

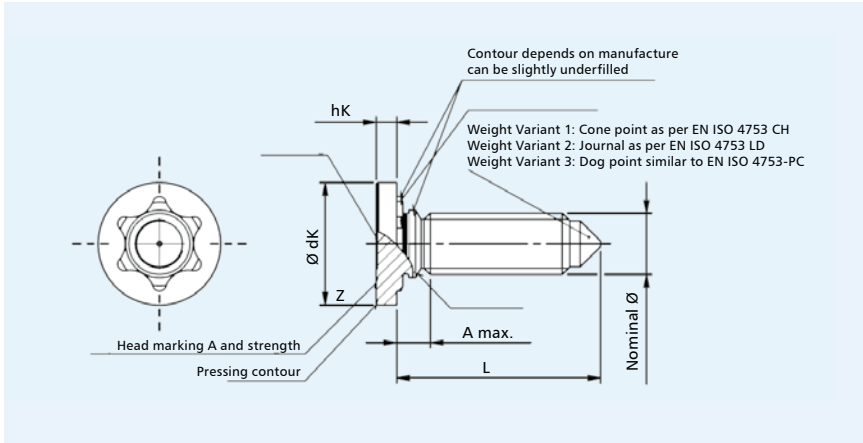


Press-out and torque values (material Rm 350/mm<sup>2</sup>)



Especially suitable for heavy loads in thick sheet metals

# STRUX® SX self-clinching screw – the strong one



## Technical data

Metal thickness	2.00 – 5.00 mm
Strength class	8.8 and 10.9

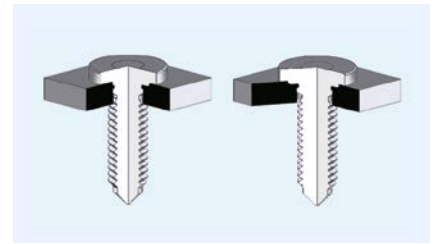


Illustration of thread end: variant 3

## Dimensions of STRUX® SX self-clinching screws

### Standard screw lengths

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

## Technical data

Nominal Ø	Ø dK <sub>-0.43</sub>	hK ± 0.2	A max.	Steel thickness	Ø of predrilled hole Metal
M5	10.00	2.00	3.00	2.00 – 5.00	5.4 <sub>+0.12</sub>
M6	12.00	2.00	3.30	2.00 – 5.00	6.4 <sub>+0.15</sub>
M8	16.00	3.00	4.00	2.00 – 5.00	8.4 <sub>+0.15</sub>
M10	20.00	3.50	4.50	2.00 – 5.00	10.4 <sub>+0.18</sub>

## The benefits of STRUX® SX self-clinching screws

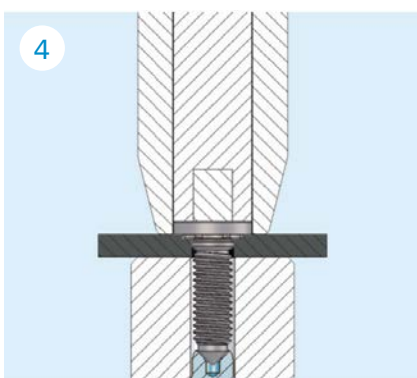
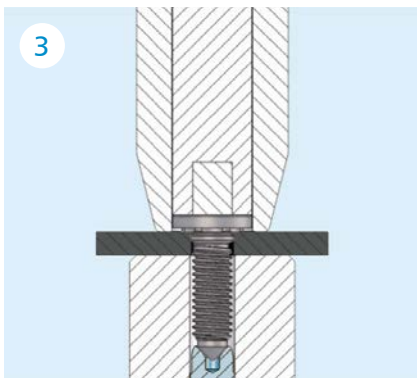
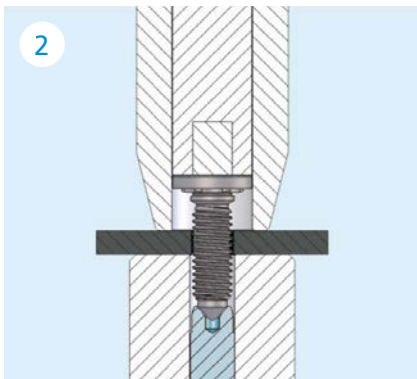
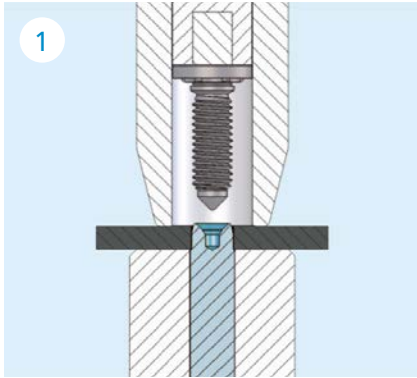
- ⊕ especially suitable for heavy loads in thick sheet metals
- ⊕ can process several self-clinching screws in a single stroke
- ⊕ can be used in steel and aluminium
- ⊕ metal thickness: 2.0 -5.0 mm
- ⊕ strength class: 8.8 and 10.9

## The advantages over welding:

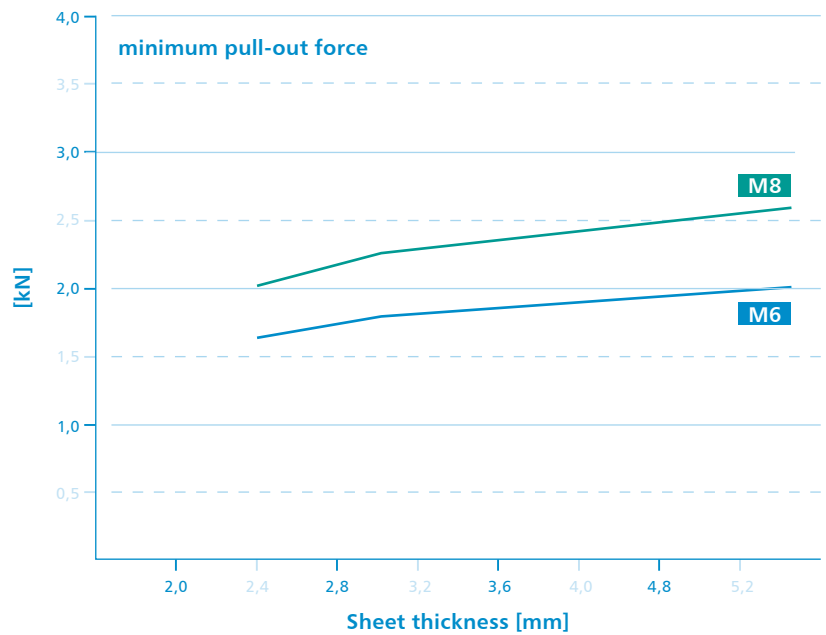
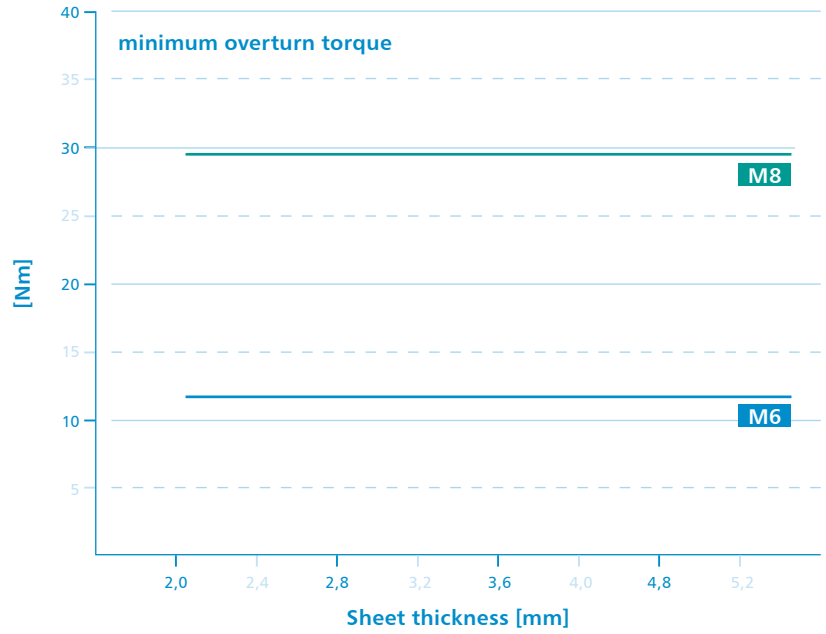
- ⊕ low inspection and control costs
- ⊕ avoids emissions and reduces energy costs
- ⊕ no thermal weakening at the fastening position

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

Function sequence



Press-out and torque values (material Rm 350/mm<sup>2</sup>)



# Notes

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ARNOLD – this name is internationally renowned for efficient and sustainable fastening systems on 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 harmonized structure. Engineering, fasteners, and functional parts, together with feeding and processing systems, all from a single source – efficient, sustainable and international.



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