

RIVTEX[®] | STRUX[®]

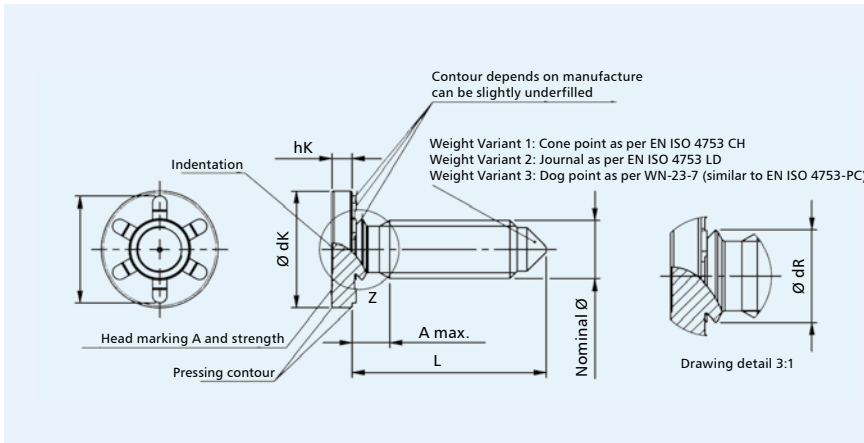
self-clinching screws

- ⊕ 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

➔ www.arnold-fastening.com

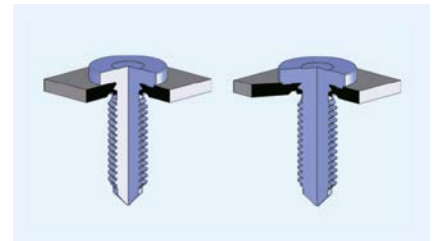


RIVTEX® RXS – the small and delicate ones



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 _{-0.43}	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 _{-0.1}
M6	12.00	2.10	11.00	6.35	3.50	0.75 – 2.50	5.35 _{-0.1}
M8	16.00	2.80	15.00	8.50	4.50	0.75 – 2.50	8.50 _{-0.1}
M10	20.00	3.50	19.00	10.50	5.30	1.00 – 2.50	10.50 _{-0.1}

The benefits of RIVTEX® RXS self-clinching screws

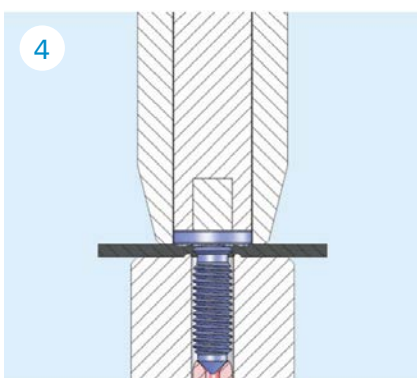
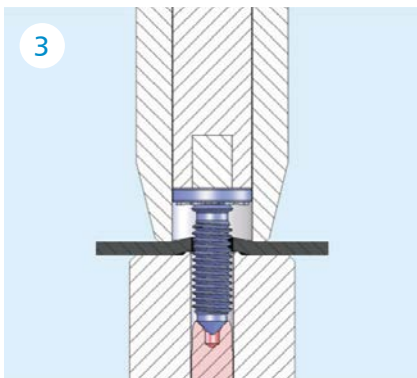
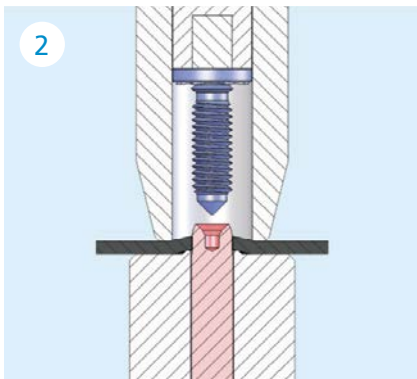
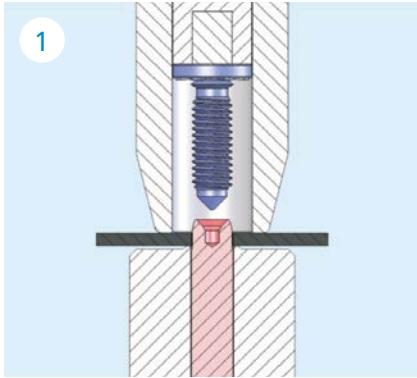
- ⊕ especially suitable for use in thin sheet-metals
- ⊕ can process several self-clinching screws in a single stroke
- ⊕ can be used in steel and aluminium
- ⊕ metal thickness: 0.75 -2.0 mm
- ⊕ strength class 8.8 and 10.9

The advantages over welding:

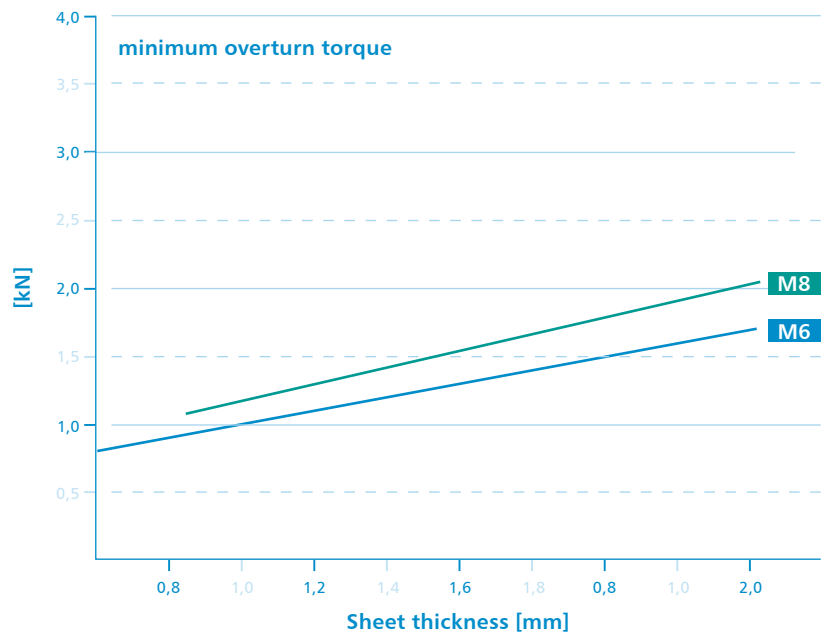
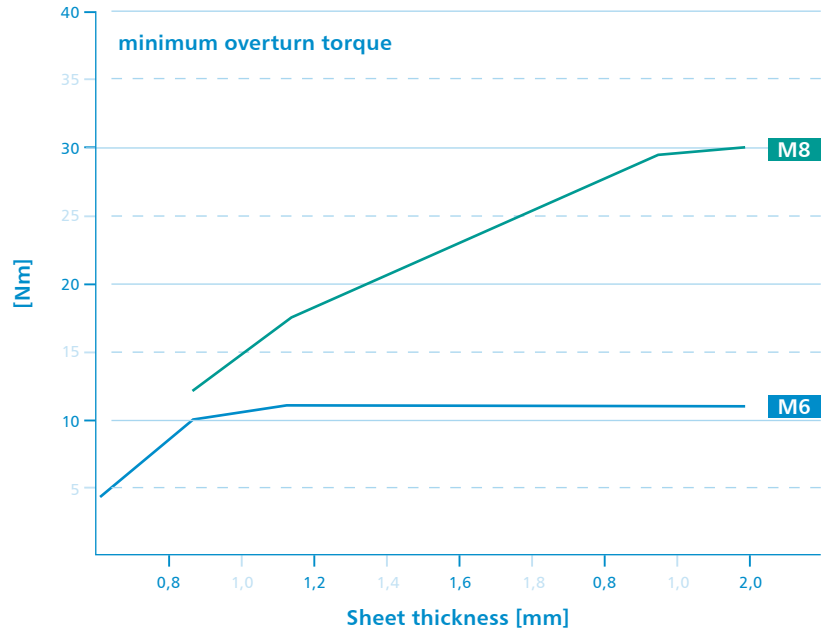
- ⊕ low inspection and control costs
- ⊕ avoids emissions and reduces energy costs
- ⊕ no thermal weakening at the fastening position

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

Function sequence

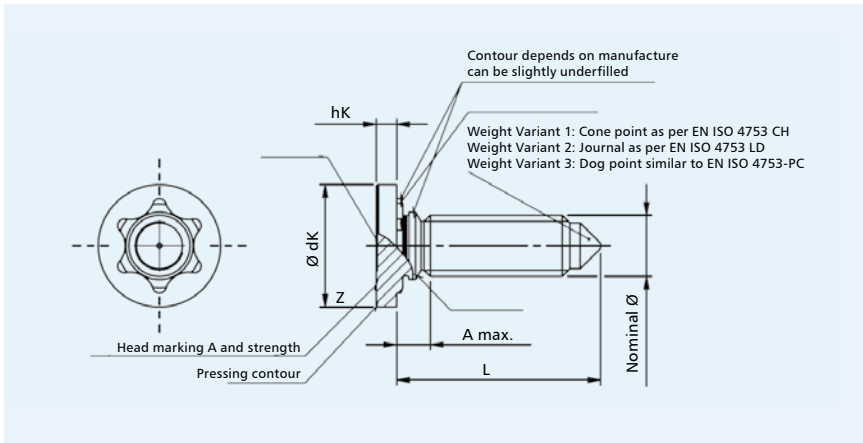


Press-out and torque values (material Rm 350/mm²)



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

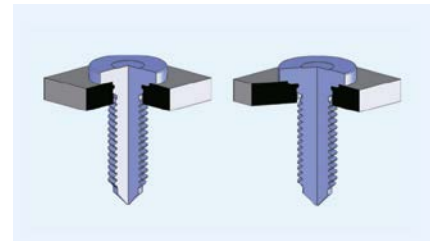


Illustration of thread end: variant 3

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 _{-0.43}	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 _{+0.12}
M6	12.00	2.00	3.30	2.00 – 5.00	6.4 _{+0.15}
M8	16.00	3.00	4.00	2.00 – 5.00	8.4 _{+0.15}
M10	20.00	3.50	4.50	2.00 – 5.00	10.4 _{+0.18}

The benefits of STRUX® SX self-clinching screws

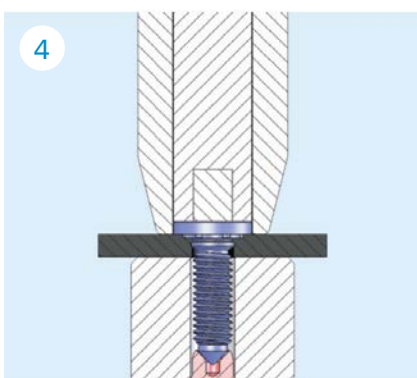
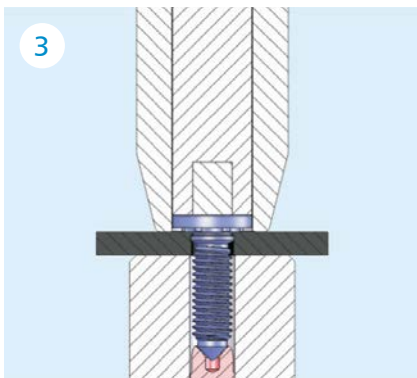
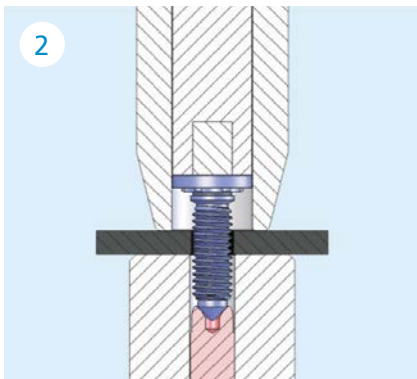
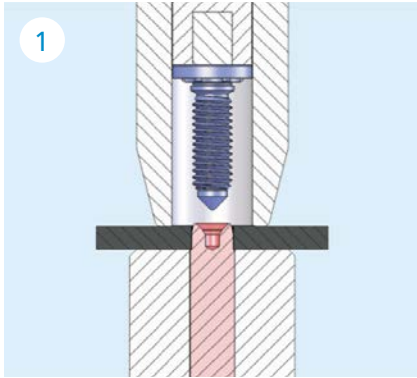
- ⊕ especially suitable for heavy loads in thick sheet metals
- ⊕ can process several self-clinching screws in a single stroke
- ⊕ can be used in steel and aluminium
- ⊕ metal thickness: 2.0 -5.0 mm
- ⊕ strength class: 8.8 and 10.9

The advantages over welding:

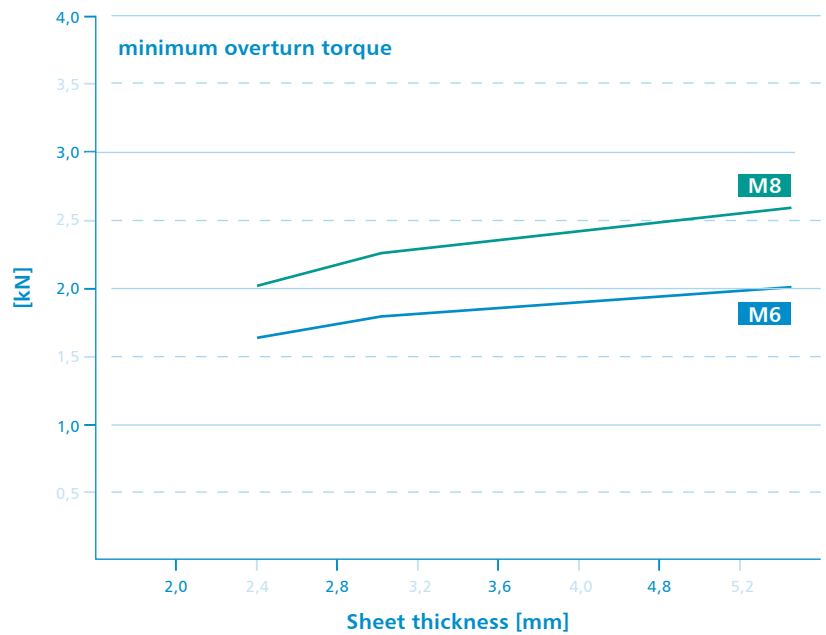
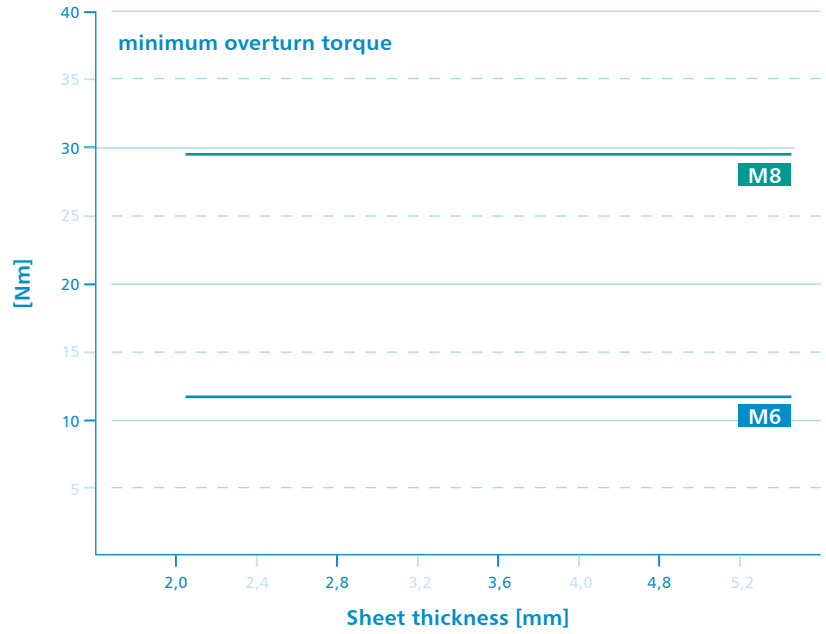
- ⊕ low inspection and control costs
- ⊕ avoids emissions and reduces energy costs
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Note: The values stated are examples. The actual values must be determined separately for the application in question.

Function sequence



Press-out and torque values (material Rm 350/mm²)



Notes

Notes



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Wherever customers need us.

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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 new positioning of "BlueFastening Systems" this development process will now continue under a united and harmonised structure. Engineering, fastenings, and functional parts, together with feeder processing systems, all from a single source – efficient, sustained and international.



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