



Hightech in sheet metal

Advantages of piercing nut vs. weld nut

Improved process safety

- The metal is not exposed to thermal stress that could change the structure of the material because, unlike welding, the high-strength properties are maintained also directly at the joint.
- There is no negative effect on the surface finish (coil coated sheet, galvanized sheet)
- No offset between nut and bore
- Exact definition of the nut's position
- There is no risk of burning of thin sheet.
- No spatter in the thread, no contamination of the surface
- Aluminium parts can be mounted without problem (welding is virtually impossible)

Cost reduction

- Finished press-punched parts require no extra work or parts handling, i.e., no separate welding equipment
- Shorter passage time
- Reduced transportation and logistics costs
- Saving of energy costs
- No pre-hole operation

High processing speed

- Production speed defined by the press, max. about 80 strokes / min.
- Up to 32 nuts can be punched with one stroke

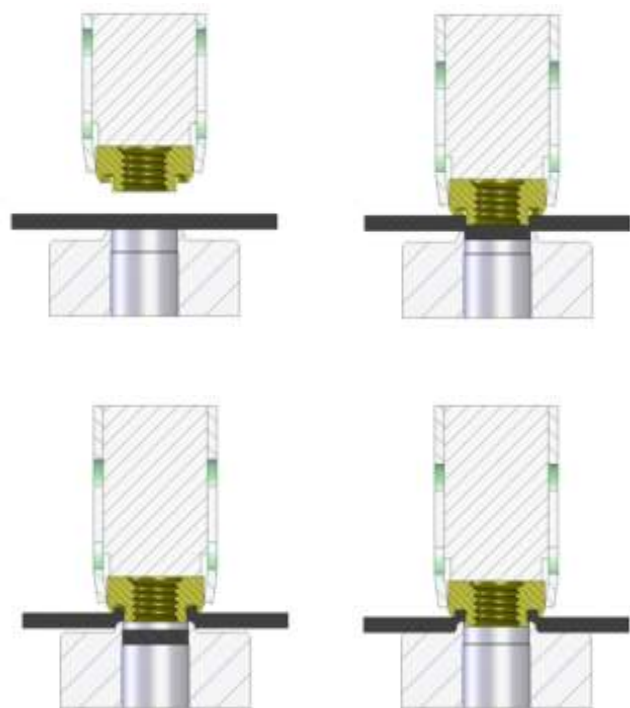
Arnold&Shinjo is a 100 percent subsidiary of the global Würth Group with 54,900 employees and 375 companies in 83 countries and global sales of over 7.74bn Euro.

Cost comparison (finished part)	Weld nut	Piercing nut
Material cost each nut MG	0.03	0.0375
Processing cost	0.115	
Tool wear	UUUUU	UUUUU
Cost of one nut	0.1365	0.0705
Savings on one nut:	approx. 0.1 Euro	
With 300,000 nuts a year some 30,000 Euro per year are saved		



Less environmental damage and improved working conditions

- No vapors, gases or noise
- No troublesome protective clothing to wear



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