

Speed Fastening® Systems

Reduce Assembly Costs with the most effective blind fastening technology.

Holding your world together®



Speed fasteners

High precision, system-compatible function, ease of operation and quick processes are guaranteed because you can fasten continuously from magazine or bowl fed fasteners and place up to 60 fasteners per minute. For fast and reliable assembly processes.

Speed Fastening Systems can reduce assembly costs, shorten cycle times, increase productivity and reduce rework and other quality costs. Speed Fastening Systems are well suited for use in small, medium and large batch processes as well as continuous production lines.

Installation

For smaller batches, we offer a choice of power tools and simple assembly workstations. For larger batches, multihead systems offer a cost effective solution. For continuous flow lines, we have the technology to develop fully automated assembly systems.

Applications

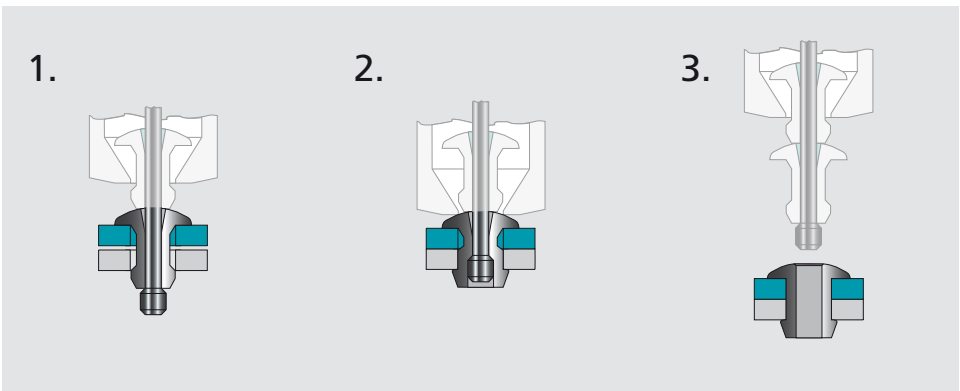
Speed Fastening Systems can be used to assemble metal and plastics, composite material and electronic components. With an average cycle time of less than two seconds, these systems provide a fast installation from one side (blind).

Mission

Together with our customers, we develop blind fastening systems that simplify your production process and improve the quality of your products. In every case, we not only see ourselves as a provider of fasteners, tools and machines but as a development and system partner with the objective of helping our customers improve their assembly performance.



Typical placing sequence



1. The mandrel with pre-loaded fastener is located in the hole.

2. Tool activation pulls the mandrel through the fastener, expanding it within the hole to provide high clamp and secure joints.

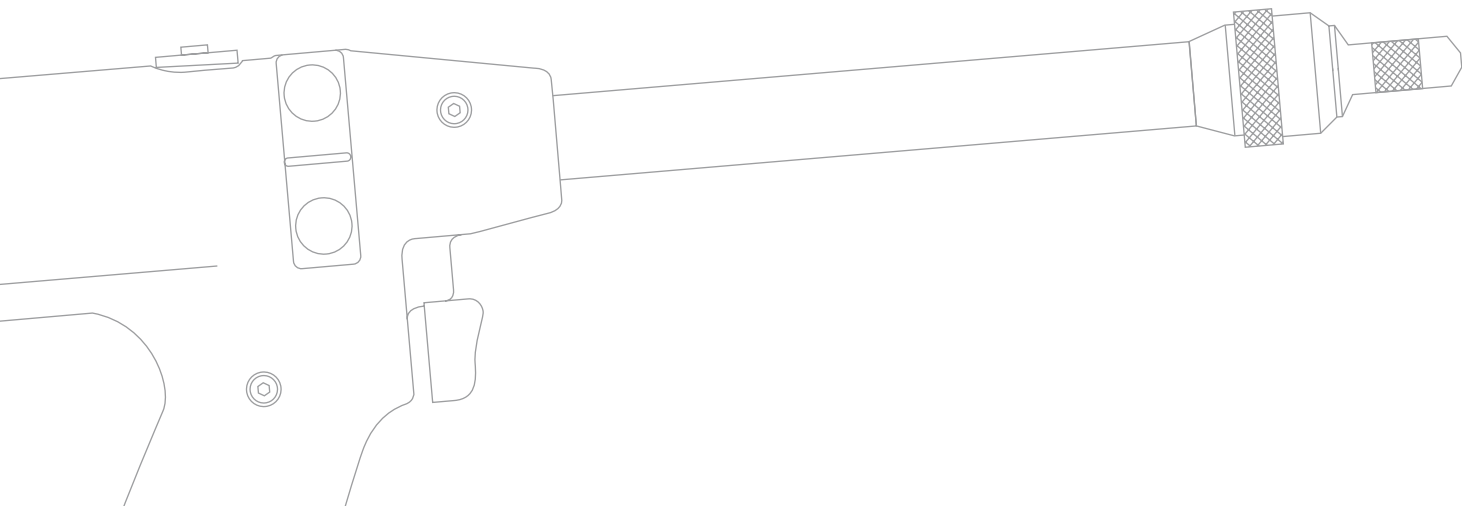
3. At the end of the installation cycle, the next fastener is automatically delivered to the nose of the tool, ready to repeat the assembly process.

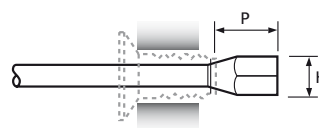
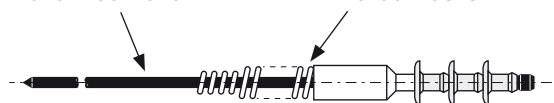
Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

The surface finishes for our speed fasteners are as follows:

| | |
|-----------------|---|
| Steel | Zinc plate and clear passivation Option: Epoxy paint Zinc-nickel (with clear or black passivation) Organic coatings |
| Aluminium Alloy | Natural Option: Anodising (clear or colour dyed) Epoxy paint |
| Stainless Steel | Passivated |
| Brass | Brightened Tin plated (for solderability) |

Almost all our fastener families may be specified with alternative surface finishes to provide increased corrosion resistance or a specific colour to suit your special application.



Mandrel / Aiguille / Nietdorn / Spring / Ressort d'aiguille / Nietdornfeder /
Mandrino / Mandril Molla / Muelle


| ø nom. | Nose Nez Mundstück Testata Boquilla Part No/ref. | Description Description Beschreibung Descrizione Descripción | H A/F | P max. | Mandrel Aiguille Nietdorn Mandrino Mandril Part No/ref | Spring Ressort d'aiguille Nietdornfeder Molla Muelle Part No/ref |
|--|---|--|----------|---------------|---|---|
| RivscREW® 1722 / 1723 | | | | | | |
| 2.8 | 07271-03000 | Standard cam operated | 1.65 | 3.23 | 07271-06030 | 07271-06630 |
| | 07271-08600 | Long | | | 07271-07030 | 07271-07630 |
| 3.0 | 07271-03000 | Standard cam operated | 1.65 | 3.23 | 07271-06030 | 07271-06630 |
| | 07271-08600 | Long | | | 07271-07030 | 07271-07630 |
| 3.5 | 07271-03500 | Standard cam operated | 2.10 | 3.35 | 07271-06035 | 07271-06635 |
| | 07271-08700 | Long | | | 07271-07035 | 07271-07635 |
| 4.0 | 07271-04000 | Standard cam operated | 2.62 | 3.81 | 07271-06140 | 07271-06640 |
| | 07271-08800 | Long | | | 07271-07140 | 07271-07640 |
| RivscREW® 1722 Series (preformed head) | | | | | | |
| 2.8 | 07150-03004 | Standard | 1.65 | 3.23 | 07271-06030 | 07271-06630 |
| | 07170-04600 | Standard cam operated | | | | |
| 3.0 | 07150-03004 | Standard | 1.65 | 3.23 | 07271-06030 | 07271-06630 |
| | 07170-04600 | Standard cam operated | | | | |
| 3.5 | 07150-03004 | Standard | 2.10 | 3.35 | 07271-06035 | 07271-06635 |
| | 07170-04600 | Standard cam operated | | | | |
| 4.0 | 07150-03005 | Standard | 2.62 | 3.81 | 07271-06140 | 07271-06640 |
| | 07170-04700 | Standard cam operated | | | | |
| RivscREW® 1733 Series (preformed head) | | | | | | |
| 4.8 | 07150-03006 | Standard | 2.62 | 3.81 | 07271-06140 | 07271-06640 |
| | 07150-04006 | Long | | | 07271-07140 | 07271-07640 |
| RivscREW® PL 1742 (preformed head) | | | | | | |
| 3.0 3.5 | 07170-04600 | Standard cam operated | 1.65 | 3.75 | 07279-06429 | 07271-06630 |
| 4.0 | 07150-03005 | Standard | 2.10 | 3.35 | 07271-06035 | 07271-06635 |
| 4.5 | | | 2.62 | 3.81 | 07271-06140 | 07271-06640 |

all dimensions in mm / en millimètres / alle Maße in mm / in millimetri / en milímetros