

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

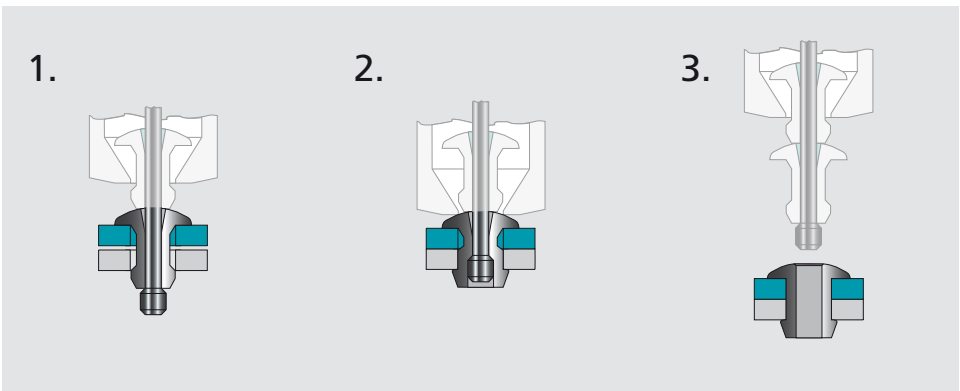
Speed Fastening Systems can be used to assemble metal and plastics, composite material and electronic components. With an average cycle time of less than two seconds, these systems provide a fast installation from one side (blind).

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.

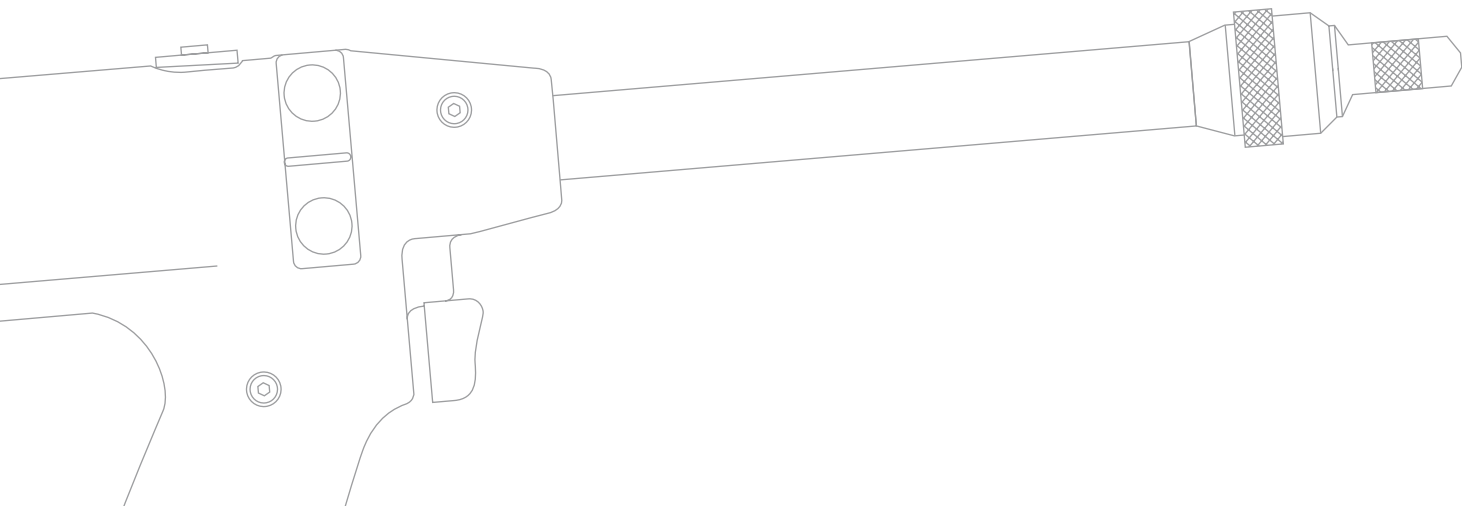
3. At the end of the installation cycle, the next fastener is automatically delivered to the nose of the tool, ready to repeat the assembly process.

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)

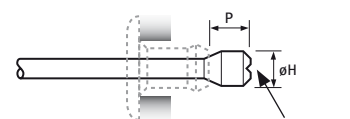
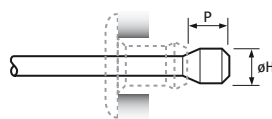
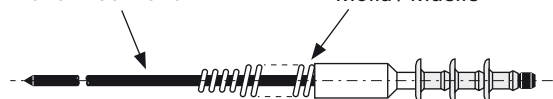
Almost all our fastener families may be specified with alternative surface finishes to provide increased corrosion resistance or a specific colour to suit your special application.



Briv® Mandrel & Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn /
Mandrini e Molle / Mandriles y Muelles

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



Mandrel for stainless steel Briv

Ø		Description Description Beschreibung Descrizione Descripción	Ø H	P	Standard Nose Equipment Nez de pose Standard Standard-Mundstück Testata Standard Boquilla Estándar		Long Nose Equipment Nez de pose Long Langes Mundstück Testata Lunga Boquilla Larga	
nom.				max.	Mandrel Part No/ref	Spring Part No/ref	Mandrel Part No/ref	Spring Part No/ref
2.4 (3/32") Aluminium, Brass	as rec.	Standard green	1.83	3.02	07150-06013	07150-06803 ¹⁾	N/A	N/A
	+ 0.10	1. oversize yellow	1.93	3.12	07150-06113			
	+0.20	2. oversize blue	2.01	3.20	07150-06213			
3.2 (1/8") Aluminium, Steel, Brass	as rec.	Standard green	2.34	3.05	07271-06414	07150-06814	07271-07414	07150-07814
	+ 0.13	1. oversize yellow	2.46	3.20	07271-06514		07271-07514	
	+ 0.25	2. oversize blue	2.59	3.38	07271-06614		07271-07614	
3.2 (1/8") Stainless Steel	as rec.	Standard green	2.53	3.07	07170-06804	07150-06814	07170-07804	07150-07814
	+ 0.13	1. oversize yellow	2.65	3.25	07170-06824		07170-07824	
4.0 (5/32") Aluminium, Steel, Brass	as rec.	Standard green	2.79	3.45	07150-06015	07170-06875	07150-07015	07170-07875
	+ 0.13	1. oversize yellow	2.92	3.61	07150-06115		07150-07115	
	+ 0.25	2. oversize blue	3.05	3.78	07150-06215		07150-07215	
4.0 (5/32") Stainless Steel	as rec.	Standard green	3.05	3.20	07170-06805	07170-06875	07170-07805	07170-07875
	+ 0.13	1. oversize yellow	3.15	3.35	07170-06825		07170-07825	
4.8 (3/16") Aluminium, Steel, Brass	as rec.	Standard green	3.58	3.99	07150-06016	07170-06876	07150-07016	07170-07876
	+ 0.13	1. oversize yellow	3.71	4.17	07150-06116		07150-07116	
	+ 0.25	2. oversize blue	3.84	4.32	07150-06216		07150-07216	
	+ 0.30	3. oversize red	3.85	4.39	07150-06316		07150-07316	
4.8 (3/16") Stainless Steel	as rec.	Standard green	3.81	3.81	07170-06806	07170-06876	07170-07806	07170-07876
	+ 0.13	1. oversize yellow	3.90	3.96	07170-06826		07170-07826	
6.0 Aluminium, Steel	as rec.	Standard green	4.54	4.18	07150-06018	07150-06846	07150-07018	07150-07846
	+ 0.13	1. oversize yellow	4.65	4.34	07150-06118		07150-07118	
	+ 0.25	2. oversize blue	4.79	4.49	07150-06218		07150-07218	

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

1) For use with standard flat nosepiece. For tapered nosepiece use spring 07170-06873 and for limited access nosepiece use 07170-06903.

Pour utilisation avec nez de pose standard. Avec le nez de pose biseauté utilisez le ressort d'aiguille 07170-06873 et avec le nez de pose en retrait utilisez le 07170-06903.

Für Verwendung mit Standard Mundstück flach. Bei spitzem Mundstück verwenden Sie Feder 07170-06873 und bei abgesetztem Mundstück Feder 07170-06903.

Per uso con nasello standard a filo. Con nasello a punta usate molle 07170-06873 e con nasello incassata usate molle 07170-06903.

Para uso con boquilla estándar plana. Con boquilla cónica utilizar muelle 07170-06873 y con boquilla de acceso limitado utilizar 07170-06903.

English	Français	Deutsch	Italiano	Español
Aluminium	Aluminium	Aluminium	Alluminio	Aluminio
Brass	Laiton	Kupfer-Zink Leg.	Ottone	Latón
Steel	Acier	Stahl	Acciaio	Acero
Stainless Steel	Inox	Edelstahl	Acciaio inox	Acero inoxidable
Standard green	Standard verte	Standard grün	Standard verde	Estándar verde
1. oversize yellow	1. surdimensionnée jaune	1. Übermaß gelb	1. maggiorazione giallo	1. sobremedida amarillo
2. oversize blue	2. surdimensionnée bleue	2. Übermaß blau	2. maggiorazione blu	2. sobremedida azul
3. oversize red	3. surdimensionnée rouge	3. Übermaß rot	3. maggiorazione rosso	3. sobremedida rojo