

STANLEY[®]
Engineered Fastening



NeoSpeed[®]
Speed Fastening System

 **Avdel**[®]

Speed Fastening® Systems

Reduce Assembly Costs with the most effective blind fastening technology.



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.



Speed Fastening® Systems

Speed Fastening is a unique assembly system designed for rapid and reliable fastening in medium and high volume applications. Originally designed for the aviation industry, Speed Fastening Systems are now used by many of the world's foremost manufacturing companies in sectors as diverse as household goods, lighting, electronic sub-assemblies, light metal fabrication and automotive. Speed fasteners are available in a wide range of materials, finishes, lengths and diameters and are ideal for fastening metals, plastics, composites and electronic components.

Speed fasteners are single piece fasteners which are either magazine fed or fed via a vibrating bowl to a wide choice of installation equipment. This ranges from the ultra-lightweight 753 power tool to fully automated, state of the art assembly systems.

Benefits of assembly

Increased manufacturing throughput

A Speed Fastening System can be fully optimised to give cycle times of less than two seconds. This rapid, blind sided process delivers a throughput up to four times greater than a traditional threaded or riveted solution.

Reduced component handling

The fasteners are fed via a magazine or into a bowl feeder. This eliminates the need for individual component handling, saves time and reduces the potential for operator injury.

No component spillage

Because the fasteners are captively held they will not be dropped onto the floor or into the application. This avoids wasted time and improves product quality while improving the work environment.

No stem loss

Traditional breakstem rivets all too often suffer from stem loss once installed. This can lead to application rattle, electrical short circuits or worse. Speed fasteners have no stems.

Improved joint quality

Speed installation technology provides a consistent, repeatable joint. What's more, unlike threaded fasteners, there is no requirement for torque control – no more problems of stripped holes or loose joints.

Improved joint performance

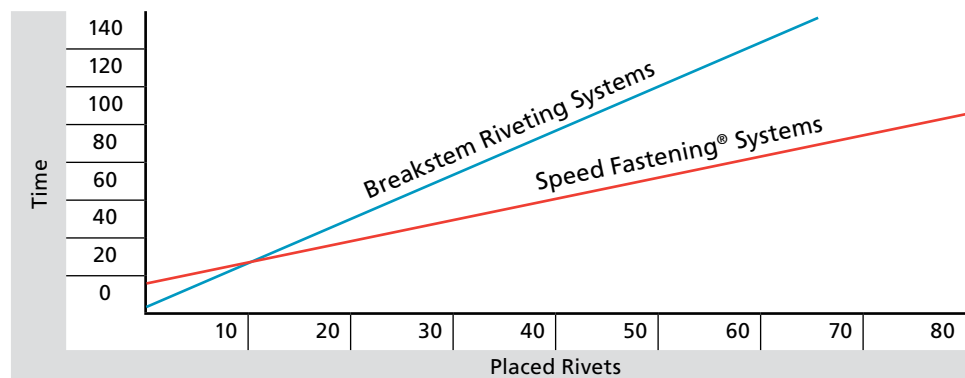
Once installed speed fasteners give excellent clamp up, shear and tension performance. They are also virtually immune from vibration loosening.

Process flexibility

Speed Fastening Systems can be used for low volume, off-line batch or jobbing shop work through to flow line processes. From hand held power tools to multiheaded modular workstations, we can design a Speed Fastening System to suit your assembly requirements. A wide variety of products in many industries are assembled with these systems including automotive, electronics, domestic appliance and general industrial.

Time Analysis

Speed Fastening is the more efficient system after only 10 placed rivets.



NeoSpeed® Wide Grip Range

Speed fasteners with a unique splined rivet design combine high clamp throughout a wide grip range - simply the strongest, most versatile speed riveting system in the world.



Key features and benefits

- The NeoSpeed fastening process delivers a throughput up to four times greater than traditional threaded or breakstem fasteners
- Multi-grip capability accommodates wide variations in material thickness
- One rivet can be used to replace several standard grip fasteners
- External splines fill rear sheet and oversize front sheet holes
- 3x greater hole size tolerance than standard breakstem rivets
- Far less sensitive to application variations
- Easier specification due to one-rivet x one mandrel solution
- Typically half the installed weight versus an equivalent breakstem rivet
- Supply options: paper magazine of fasteners or pre-loaded disposable mandrel (Cartridge)

Specifications

Sizes:

3.2 mm to 4.8 mm
(1/8" to 3/16")

Materials:

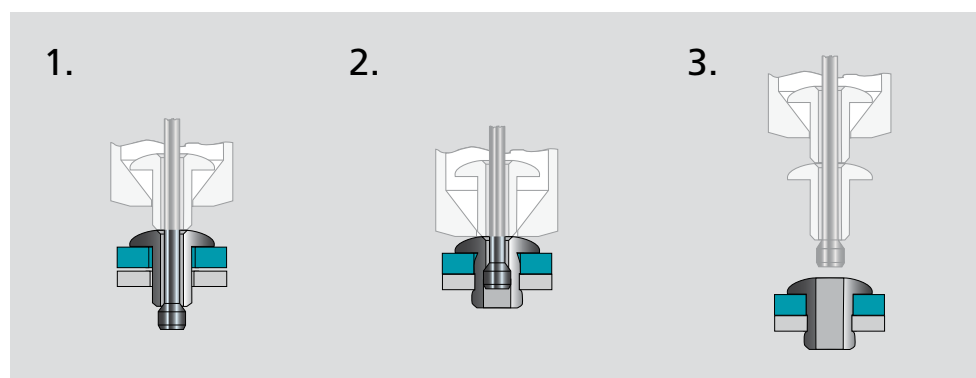
Aluminium Alloy, Steel,
Stainless Steel A4

Head Styles:

Mushroom, Countersunk

Avdel Patent protected.

Typical placing sequence



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

Assembly applications

- Automotive
- Electronics
- Domestic appliances
- Electrical equipment
- General light fabrication

Airbags



Interior



Seat & trim



Heating



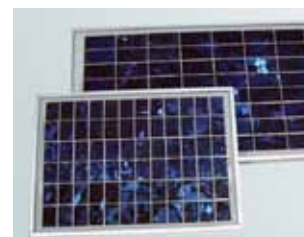
Rapid action door



Computer cabinet



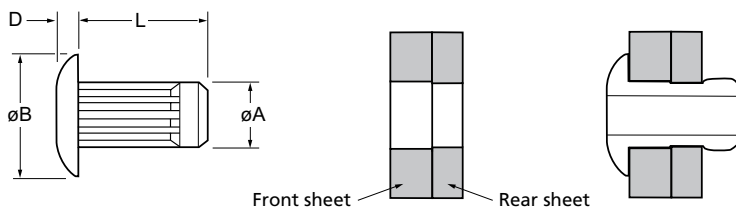
Solar panel





English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Aluminium Alloy* (5% Mg)	Alliage d'aluminium* (5% Mg)	Aluminium* (5% Mg)	Lega di alluminio* (5% Mg)	Aluminio* (5% Mg)
Natural	Brut	Blank	Nessuna finitura	Natural

* : BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555



ø	Front sheet		Rear sheet		øB	D	L	øA	kN ¹⁾	kN ¹⁾	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No/ref	
	min.	max.	min.	max.									min.
3.2 (1/8")	0.4	2.0	3.35	3.62	3.26	3.42	6.53	1.10	3.17	0.76	1.25	52	57101-03204
	0.4	4.5										37	57101-03207
	0.4	8.6										24	57101-03211
4.0 (5/32")	0.5	2.2	4.10	4.43	3.97	4.18	8.18	1.25	3.90	1.19	1.90	47	57101-04005
	0.5	5.0										33	57101-04007
	0.5	9.1										23	57101-04011
4.8 (3/16")	0.6	2.4	5.00	5.40	4.85	5.10	9.71	1.50	4.79	1.66	2.90	44	57101-04805
	0.6	5.2										30	57101-04808
	0.6	9.2										22	57101-04812

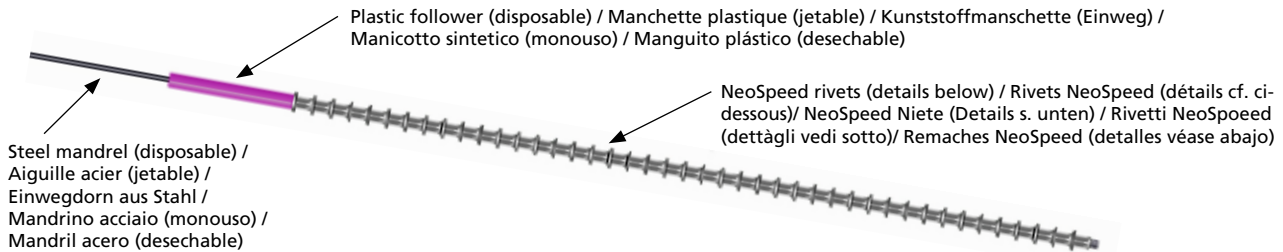
all dimensions in mm / en millimètres / alle Maße in mm / in millimetri / en milímetros

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos



NeoSpeed® "Cartridge":

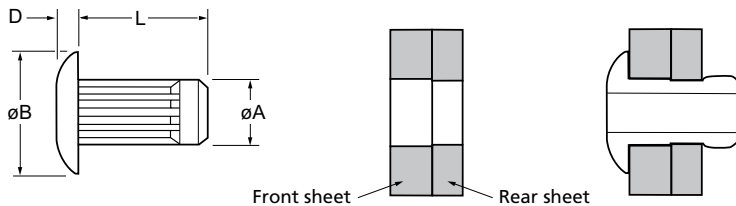
Pre-loaded disposable mandrel / Aiguille pré-chargée jetable / Vormagaziniert auf Einwegdorn / Precaricato su mandrino monouso / Mandril desechable precargado



NeoSpeed® Rivets:

English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Aluminium Alloy* (5% Mg)	Alliage d'aluminium* (5% Mg)	Aluminium* (5% Mg)	Lega di alluminio* (5% Mg)	Aluminio* (5% Mg)
Natural	Brut	Blank	Nessuna finitura	Natural

* : BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555



nom.	ø		Front sheet / Pièce avant / oberes Bauteil / lamiera anteriore / pieza delantera		Rear sheet / Pièce arrière / unteres Bauteil / lamiera posteriore / pieza trasera		øB	D	L	øA	kN ¹⁾	kN ¹⁾	Fasteners per cartridge / Nombre de rivets par aiguille / Niete pro Dorn / Rivetti per mandrino / Uds./mandril ± 1	Cartridge Part No/ref
	min.	max.	min.	max.	min.	max.								
3.2 (1/8")	0.4	2.0	3.35	3.62	3.26	3.42	6.53	1.10	4.8	3.17	0.76	1.25	52	57101-13204
	0.4	4.5							7.3				37	57101-13207
	0.4	8.6							11.5				24	57101-13211
4.0 (5/32")	0.5	2.2	4.10	4.43	3.97	4.18	8.18	1.25	5.4	3.90	1.19	1.90	47	57101-14005
	0.5	5.0							8.0				33	57101-14007
	0.5	9.1							11.7				23	57101-14011
4.8 (3/16")	0.6	2.4	5.00	5.40	4.85	5.10	9.71	1.50	5.8	4.79	1.66	2.90	44	57101-14805
	0.6	5.2							8.9				31	57101-14808
	0.6	9.2							12.7				22	57101-14812

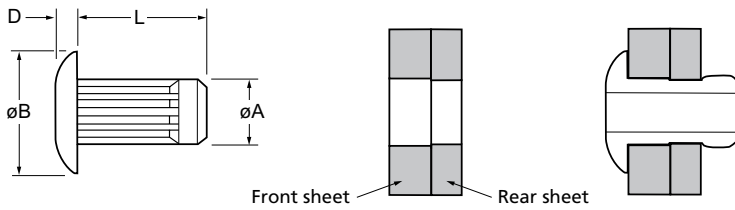
all dimensions in mm / en millimètres / alle Maße in mm / in millimetri / en milímetros



1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos



English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Steel*	Acier*	Stahl*	Acciaio*	Acero*
Zinc plated	Revêtement zingué	Verzinkt	Zincato	Zincado
Clear trivalent passivated	Passivation claire trivalente	Klar chromatiert, Cr6-frei	Passivazione chiara trivalente	Pasivado claro trivalente

* : EN 10263-2 C8C SAE 1008 DIN 1654 QSt34-3



ø	Front sheet		Rear sheet		øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No/ref	
	min.	max.	min.	max.									min.
3.2 (1/8")	0.4	2.0	3.35	3.62	3.26	3.42	6.53	1.10	3.17	1.16	1.87	52	57121-03204
	0.4	4.5										37	57121-03207
	0.4	8.6										24	57121-03211
4.0 (5/32")	0.5	2.2	4.10	4.43	3.97	4.18	8.18	1.25	3.90	1.80	3.00	47	57121-04005
	0.5	5.0										33	57121-04007
	0.5	9.1										23	57121-04011
4.8 (3/16")	0.6	2.4	5.00	5.40	4.85	5.10	9.71	1.50	4.79	2.60	4.20	44	57121-04805
	0.6	5.2										30	57121-04808
	0.6	9.2										22	57121-04812

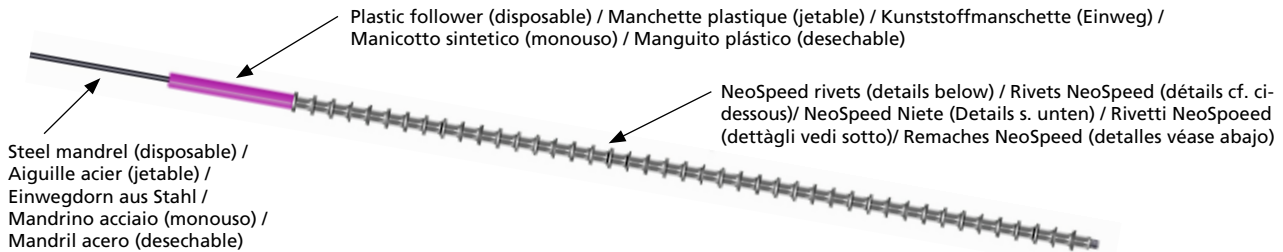
all dimensions in mm / en millimètres / alle Maße in mm / in millimetri / en milímetros

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos



NeoSpeed® "Cartridge":

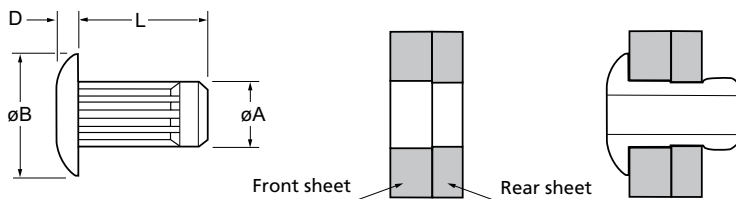
Pre-loaded disposable mandrel / Aiguille pré-chargée jetable / Vormagaziniert auf Einwegdorn / Precaricato su mandrino monouso / Mandril desechable precargado



NeoSpeed® Rivets:

English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Steel*	Acier*	Stahl*	Acciaio*	Acero*
Zinc plated	Revêtement zingué	Verzinkt	Zincato	Zincado
Clear trivalent passivated	Passivation claire trivalente	Klar chromatiert, Cr6-frei	Passivazione chiara trivalente	Pasivado claro trivalente

* : EN 10263-2 C8C SAE 1008 DIN 1654 QSt34-3



nom.	ø		Front sheet / Pièce avant / oberes Bauteil / lamiera anteriore / pieza delantera		Rear sheet / Pièce arrière / unteres Bauteil / lamiera posteriore / pieza trasera		øB	D	L	øA	kN ¹⁾	kN ¹⁾	Fasteners per cartridge / Nombre de rivets par aiguille / Niete pro Dorn / Rivetti per mandrino / Uds./mandril ± 1	Cartridge Part No/ref
	min.	max.	min.	max.	min.	max.								
3.2 (1/8")	0.4	2.0							4.8	3.17	1.16	1.87	52	57121-13204
	0.4	4.5	3.35	3.62	3.26	3.42	6.53	1.10	7.3				37	57121-13207
	0.4	8.6							11.5				24	57121-13211
4.0 (5/32")	0.5	2.2							5.4	3.90	1.80	3.00	47	57121-14005
	0.5	5.0	4.10	4.43	3.97	4.18	8.18	1.25	8.0				33	57121-14007
	0.5	9.1							11.7				23	57121-14011
4.8 (3/16")	0.6	2.4							5.8	4.79	2.60	4.20	44	57121-14805
	0.6	5.2	5.00	5.40	4.85	5.10	9.71	1.50	8.9				31	57121-14808
	0.6	9.2							12.7				22	57121-14812

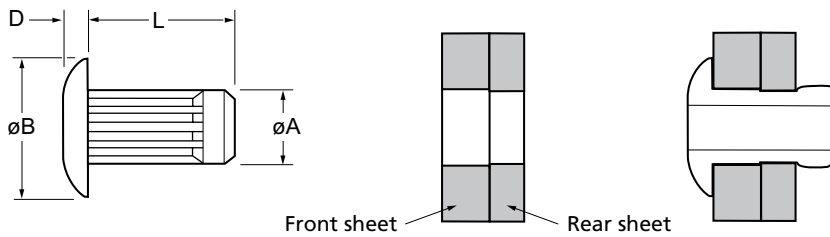
all dimensions in mm / en millimètres / alle Maße in mm / in millimetri / en milímetros

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos



English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
A4 Stainless Steel* Passivated	A4 Inox* Passivation	A4 Edelstahl* Passiviert	A4 Acciaio inox* Passivazione	A4 Acero inoxidable* Pasivado

*: EN 10263-5 / X3CrNiCuMo17-11-3-2 / Werkstoff 1.4578 / AISI 316Cu



ø	Front sheet		Rear sheet		øB	D	L	øA	kN ¹⁾	kN ¹⁾	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No/ref		
	min.	max.	min.	max.										
3.2 (1/8")	0.4	2.0	3.35	3.62	3.26	3.42	6.27	1.12	4.8	3.17	1.85	2.75	52	57141-03204
		4.5											37	57141-03207
		6.6											29	57141-03209
4.0 (5/32")	0.5	2.2	4.10	4.43	3.97	4.18	7.93	1.25	5.4	3.84	2.80	4.30	47	57141-04005
		5.0											33	57141-04007
		7.1											28	57141-04009
4.8 (3/16")	0.6	2.4	5.00	5.30	4.85	5.10	9.45	1.50	5.8	4.82	4.40	6.50	44	57141-04805
		5.2											30	57141-04808
		7.2											25	57141-04810

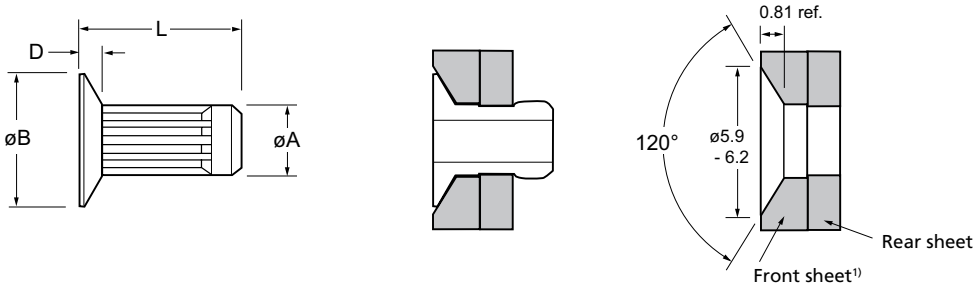
all dimensions in mm / en millimètres / alle Maße in mm / in millimetri / en milímetros

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos



English	Français	Deutsch	Italiano	Español
120° Countersunk head	120° Tête fraisée	120° Senkkopf	120° Testa svasata	120° Cabeza avellanada
Steel*	Acier*	Stahl*	Acciaio*	Acero*
Zinc plated	Revêtement zingué	Verzinkt	Zincato	Zincado
Clear trivalent passivated	Passivation claire trivalente	Klar chromatiert, Cr6-frei	Passivazione chiara trivalente	Pasivado claro trivalente

* : EN 10263-2 C8C SAE 1008 DIN 1654 QSt34-3

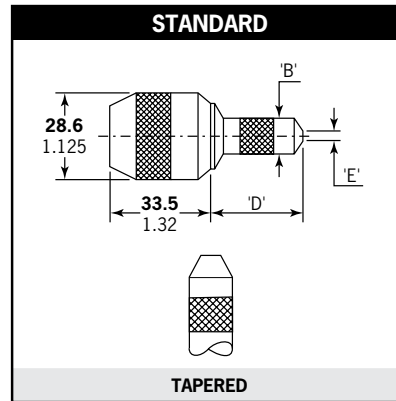
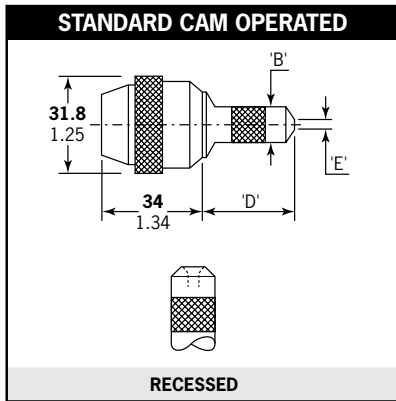


ø	Front sheet		Rear sheet		øB	D	L	øA	kN ²⁾	kN ²⁾	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No/ref		
	min.	max.	min.	max.									max.	nom.
3.2 (1/8")	1.0	2.0	3.26	3.34	3.26	3.42	5.84	0.80	4.8	3.17	0.94	1.92	64	57221-03204
		4.5							7.3		1.15	1.76	42	57221-03207
		8.6							11.5		1.15	1.68	27	57221-03211

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

1) Front sheet thickness must exceed the full depth of countersink. / L'épaisseur de la pièce recevant la tête fraisée doit être plus importante que la profondeur de fraisage. / Die Materialstärke des oberen Bauteils muss die volle Tiefe der Senkung überschreiten. / Spessore della lamiera anteriore deve superare la profondità di svasatura. / El espesor de la pieza delantera debe superar la profundidad de avellanado.

2) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos



Nose equipment with addition of a twist cam to ease and speed up the nose jaw opening thus the pod reloading procedure.

Ensembles de nez avec, en plus, une came facilitant et accélérant l'ouverture du nez de pose, et donc le rechargement en fixations.

Zum leichteren Magazinieren haben diese Mundstücke durch einen Drehring zu öffnende Mundstückschnäbel.

Equipaggiamento con l'aggiunta di una camma per facilitare e rendere più veloce l'apertura della testata e pertanto la procedura di ricarica dell'astuccio portarivetti.

Boquillas que incorporan una leva para facilitar y hacer más rápida la apertura de la boquilla y el procedimiento de carga.

Applications with no or little access restrictions.

Pour applications ne présentant que peu ou pas de contraintes d'accès.

Für alle gut zugänglichen Nietpunkte.

Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.

Apta para aquellas aplicaciones sin ninguna o pocas restricciones da acceso.

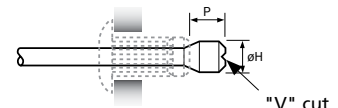
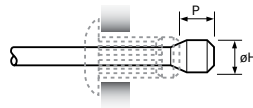
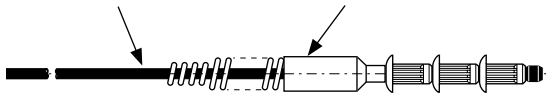
Ø nom.	HeadStyle Forme de tête Kopfform Forma della testa Forma de cabeza	Nose Equipment Nez de pose Mundstück Testata Boquilla	Part No/ref	Dimensions Dimension / Abmessungen / Dimensioni / Dimensiones		
				B	D	E
3.2 (1/8")	Mushroom ¹⁾	Standard cam operated	07530-03200	10.41	29.97	5.08
	Countersunk ²⁾	Standard tapered	07170-03104	10.41	30.23	5.08
4.0 (5/32")	Mushroom ¹⁾	Standard cam operated	07530-03300	12.90	33.02	6.10
4.8 (3/16")	Mushroom ¹⁾	Standard cam operated	07530-03400	14.22	29.97	8.38

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

¹⁾ Tête plate / Flachrundkopf / testa a fungo / cabeza alomada

²⁾ Tête fraisée / Senkkopf / testa svasata / cabeza avellanada

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



Mandrel for stainless steel NeoSpeed

ø nom.	Material Matériaux Material Materiale Material	Description Description Beschreibung Descrizione Descripción	ø H nom.	P max.	Mandrel ¹⁾ Part No/ref	Spring ¹⁾ Part No/ref
3.2 (1/8")	Aluminium ²⁾ , Steel ³⁾	Standard	2.30	3.05	07530-06014	07150-06814
	Stainless Steel ⁴⁾	Standard	2.39	3.05	07530-06804	
4.0 (5/32")	Aluminium ²⁾ , Steel ³⁾	Standard	2.67	3.45	07530-06015	07170-06875
	Stainless Steel ⁴⁾	Standard	2.93	3.50	07530-06805	
4.8 (3/16")	Aluminium ²⁾ , Steel ³⁾	Standard	3.53	3.99	07530-06016	07170-06876
	Stainless Steel ⁴⁾	Standard	3.43	3.96	07530-06806	

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

1) for use with paper magazine / pour utilisation avec chargeur papier / für Verarbeitung mit Papiermagazin / da usare con caricatori blister di carta / sólo para remaches en tiras de papel

2) Aluminium / Aluminium / Alluminio / Aluminio

3) Acier / Stahl / Acciaio / Acero

4) Inox / Edelstahl / Acciaio inox / Acero inoxidable

Installation Systems

From cost-effective power tools to custom assembly systems, Speed Fastening® equipment offers rapid and reliable assembly to meet your specific requirements. The equipment is an integral part of the Speed Fastening System and offers the following benefits:

- High speed, reliable fastener feed
- Assembly cycle times within two seconds
- Single side assembly
- Simple operation
- Quick reload
- Low maintenance costs
- Ideal for low volume batch work through to fully automated assembly lines

Power Tools

For low volume production up to 500,000 fastener p.a.

Power tools



753 Standard tool



7537 Power tool



Workstations

For medium volume production from 250,000 up to 1,000,000 fastener p.a.

Workstations



7535 Pantograph workstation



Mini-MAS



Assembly Workstations

For high volume production > 1,000,000 fastener p.a.

Bespoke systems



Twin head fixed pitch workstation



23 placing heads to assemble a computer chassis



Power Tools

7530 Power Tool

High performance, hydro-pneumatic power tool in heavy duty plastic, designed for rapid, blind side installation of speed fasteners. The intensifier is separated from the power tool. One tool places all speed fasteners except \varnothing 1.6 mm (1/16") Avlug®. For \varnothing 1.6 mm Avlug use the 7536 power tool.

- Average cycle time of less than 2 seconds to increase productivity – up to 1500 fasteners per hour
- High capacity, magazine fed fasteners reduces component handling and subsequent spillage
- Robust & durable construction makes it suitable for most industrial environments
- Lightweight construction (split handtool and intensifier) and low actuation recoil reduces operator fatigue
- Available with in-line handle or bottom hose configuration
- Low maintenance handtool maximises productive time – no requirement for specialist maintenance training
- Long life, self priming intensifier provides consistent actuation and hence joint formation
- Long reach barrel for use in many difficult access applications

753 Standard tool



Suspended



7536



Autoload



A suspended version is available that can be supported on a balancer to be quickly and easily moved or discarded – reducing downtime and operator fatigue.

The Autoload system is ideal for high volume production > 5,000,000 fasteners per year. Autoload provides bowl fed fasteners to minimise reloading downtime and maximise productivity. The fasteners are automatically loaded onto the mandrel. When fasteners on one mandrel are spent, the tool is placed in the nest, and the system inserts a fully-loaded replacement into the modified 753 tool. The system features an operator interface board that displays real-time reports on machine cycles and fault diagnostics. The data also can be linked to a network allowing off-site monitoring and maintenance.

Power Tools

7537 Power Tool

Lightweight, hydro-pneumatic power tool with integrated intensifier places all speed fasteners except \varnothing 1.6 mm (1/16") Avlug® fastener.

- Average cycle time of approx. 1 second increases productivity
- No need for long umbilical makes it flexible to use in different production environment
- Specially toughened plastic body and heavy duty rubber base increase the impact resistance and durability
- Can place the same range of fasteners and uses the same nose equipment as 7530 powertool
- Ease of maintenance due to integral cycle counter
- Patent Protected features

7537



Workstations single-head

These single-head workstations can place the entire range of Speed Fastening® Systems and stand out for their ergonomic design. Rapid assembly makes them cost-effective, even with small batch sizes. Simple to operate, high mobility and easy integration into the production process are the main features. Time-consuming training of an operator is not necessary. The hydraulic riveting units provide a smooth and shock-free riveting, ideal for sensitive components. All tools only require compressed-air supply.

Pantograph Workstation

- Tool supported on an extendable arm
- Wide arm reach to over 0.8 m
- Single hand operation
- The arm can be moved around the worktop to make space for other tasks
- Intensifier can be bench or floor mounted

Fixed Arm Workstation

- Tool supported on a fixed arm
- Foot pedal control, leaving both hands free to position the workpiece
- Easy alignment of workpiece
- Height adjustable arm to meet the operator's precise ergonomic needs

Underbench Workstation

- Cost-effective workstation, requiring minimum space
- Mounted below the worktop leaving a free work surface
- Foot pedal control, leaving both hands free to position the workpiece
- Easy alignment and precision assembly of small components
- Integral safety guard

70510 Underbench workstation



70510 Underbench workstation



7535 Pantograph workstation



7535 Fixed arm workstation



Workstations Multi-head

Mini-MAS

The Mini-MAS is a twin-head assembly station for fast, parallel assembly with compact and ergonomic design making it very easy to integrate into existing assembly lines.

- Double-head parallel riveting optimizes your assembly and increases the quality of the joining
- The rivets are presented in pairs and provide practical jig points for your components
- Possible linear positioning of one riveting module provides progressive adjustment of the riveting pitch from 29 mm up to 120 mm (close pitch version 17 mm – 108 mm)
- Suitable for many applications
- Hydraulic riveting modules provide smooth and shock-free riveting
- Activation by a foot pedal, leaving the hands free for component handling
- Seated workstation (stand version optional available)
- ESD construction as an option

Mini-MAS



Standard nose equipment



Close pitch version



Multi-head Assembly Workstations

Multi-head assembly workstations are designed for the synchronous placement of multiple fasteners. Systems can be simple fixed, two head workstations or complex systems where as many as 60 fasteners can be placed at the same time. Most multi headed systems are customised to some extent which means that the user can enjoy the benefits of an assembly solution designed to their own specific requirements.

- Synchronous fastener placement maximises productivity and throughput
- In built fixturing reduces assembly time
- Modular assembly technology reduces maintenance costs
- Diagnostics capability improves quality control; preventive maintenance regimes can be implemented
- These workstations can be readily integrated into existing production facilities

Assembly Workstations

Pantograph Workstation

Automated assembly systems are designed for integration within production lines and offer a complete operator free assembly solution for highest levels of productivity.

- Bowl fed fasteners for continuous fastening
- In line integration
- Diagnostic capability through operator interface
- Modular design with simple equipment access for simple maintenance processes

MIRS System to assemble vacuum pump



PMP System



29 placing heads to assemble computer chassis



10 placing heads to assemble automotive sealing strips



Avdel® have been producing assembly systems since the 1930s and offer comprehensive ranges of innovative fasteners and installation systems to all market segments and applications. STANLEY Engineered Fastening offers Avdel products through Sales, Distribution and Manufacturing facilities in over 150 countries. Covered by the portfolio are:



Breakstem Riveting Systems
Various features from multi-grip capability to high strength stainless steel rivets.



Lockbolt Systems
High clamp force and vibration resistance for the highest strength joints.



Speed Fastening® Systems
Extra fast and reliable fastening from one side. Rivets are fed automatically.



Sealing Plugs
Engineered for both low-pressure and high-pressure hole sealing applications.



Blind Rivet Nuts
Fast system for sustainable threads with high torque-to-turn.



Customised Fastener Designs
Bespoke designs and finishes to meet your unique assembly requirements.



Installation Equipment
From manually operated power tools to customised semi and fully automated assembly workstations and repair tools.

We can also provide you with:



MASTERFIX®

One-stop shopping for the blind riveting distributor market. MasterFix® owes its excellent reputation to the successful distribution of the broadest range of blind rivets and blind rivet nuts in the business.



CRIBMASTER

CribMaster® is the global leader in inventory & asset management solutions for industrial environments.

CribMaster's comprehensive portfolio of vending machines & tool control solutions driven by a powerful software platform helps customers save 25% - 40% of costs associated with indirect material management, essential in the unrelenting drive towards efficiency & lower costs at manufacturing facilities today.



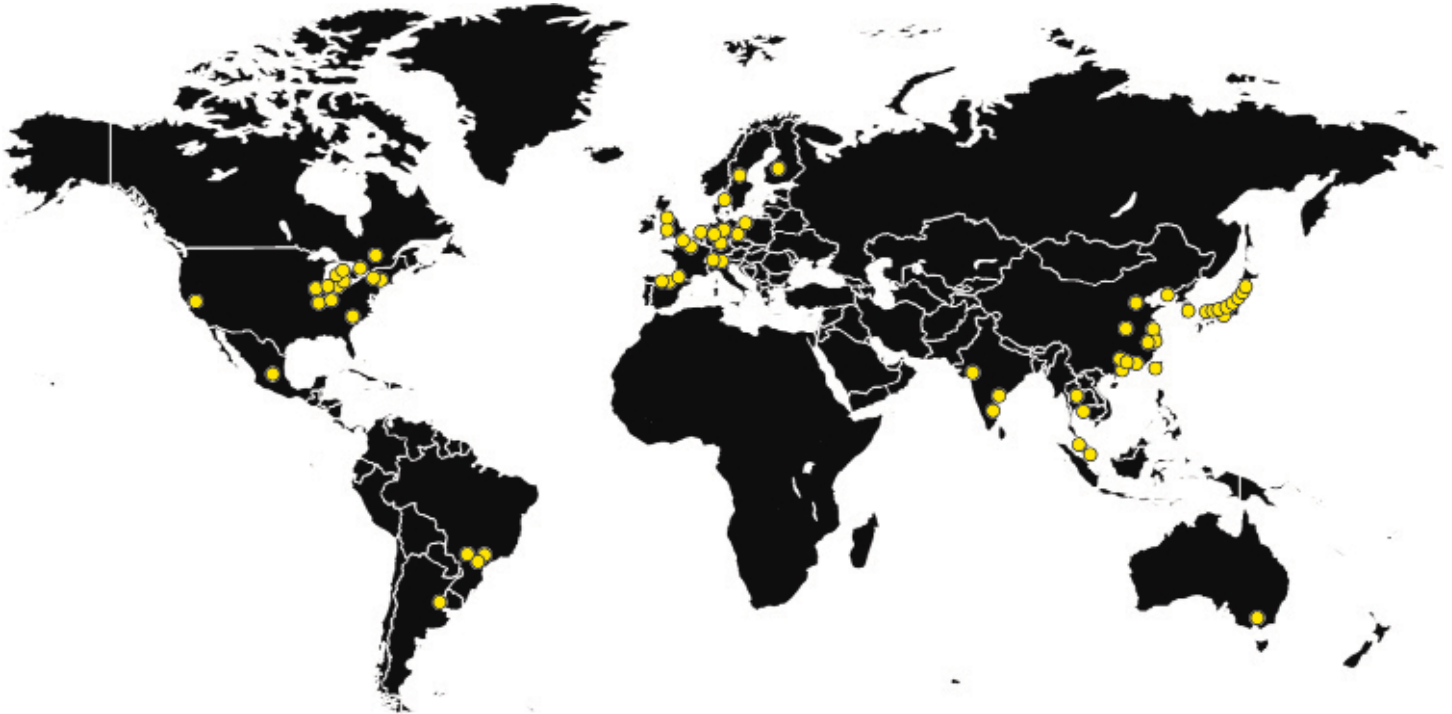
SPIRALLOCK®

Spirallock® is a technologically superior fastening system ideally suited for threaded joint applications subjected to heavy shock and vibration.



STANLEY®

Engineered Fastening



STANLEY Engineered Fastening, a Stanley Black & Decker Inc. Company has been revolutionizing fastening and assembly technologies for a variety of industries for more than 40 years.

For more information, please visit our website
www.stanleyengineeredfastening.com

Quick Links:

- ▶ Our locations
<http://www.stanleyengineeredfastening.com/contact/global-locations>
- ▶ Request Information
<http://www.stanleyengineeredfastening.com/econtact/request-information>
- ▶ Resource Center
<http://www.stanleyengineeredfastening.com/resource-center>

© 2018 Stanley Black & Decker, Inc., Rev. 07.2018

Avdel®, NeoSpeed® and Speed Fastening® are registered trademarks of Stanley Black & Decker, Inc. and its affiliates. Data shown is subject to change without prior notice as a result of continuous product development and improvement policy. Your local STANLEY Engineered Fastening representative is at your disposal should you need to confirm latest information.

Distributor location