

# NeoSpeed<sup>®</sup> 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:

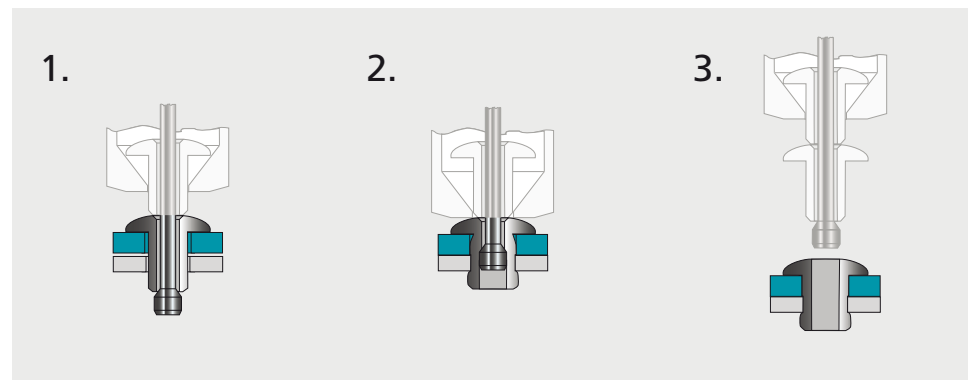
Aluminium Alloy, Steel,  
Stainless Steel A4

Head Styles:

Mushroom , Countersunk

Avdel Patent protected.

## Typical placing sequence



Please visit our website [www.StanleyEngineeredFastening.com](http://www.StanleyEngineeredFastening.com) for fastener placing animations.

## Assembly applications

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

Airbags



Interior



Seat & trim



Heating



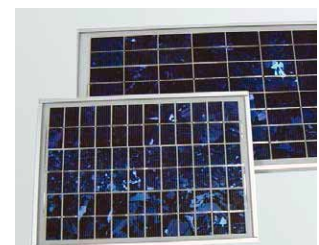
Rapid action door



Computer cabinet



Solar panel



# Installation Systems

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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

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

Power tools



753 Standard tool



7537 Power tool



## Workstations

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

Workstations



7535 Pantograph workstation



Mini-MAS



## Assembly Workstations

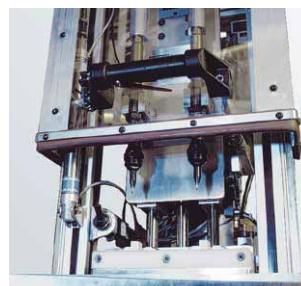
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For high volume production > 1,000,000 fastener p.a.

Bespoke systems



Twin head fixed pitch workstation



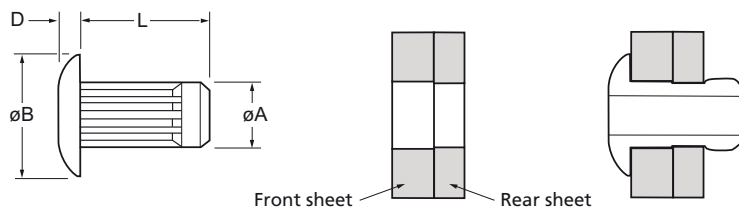
23 placing heads to assemble a computer chassis







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 Pièce avant / oberes Bauteil / lamiera anteriore / pieza delantera		Rear sheet Pièce arriere / unteres Bauteil / lamiera posteriore / pieza trasera		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.									max.	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	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	5.4	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	5.8	4.79	2.60	4.20	44	57121-04805
	0.6	5.2											30	57121-04808
	0.6	9.2											22	57121-04812

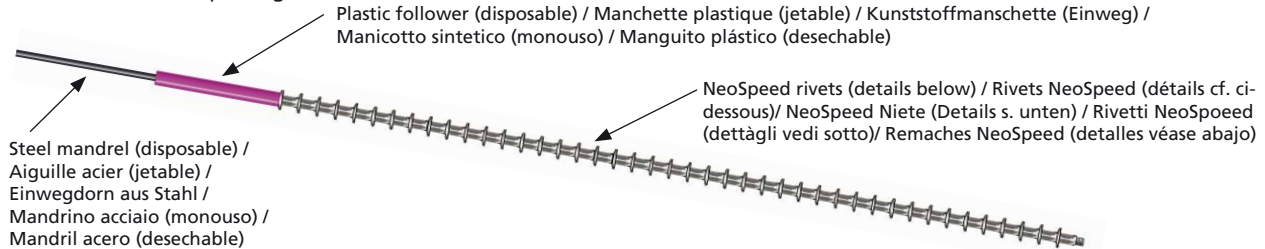
all dimensions in mm / en millimètres / alle Maße in mm / in millimetri / en milímetros

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



**NeoSpeed® "Cartridge":**

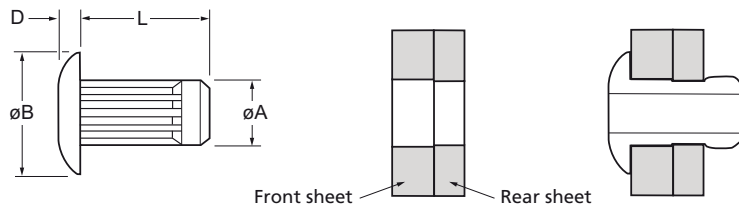
Pre-loaded disposable mandrel / Aiguille pré-chargée jetable / Vormagaziniert auf Einwegdorn / Precaricato su mandrino monouso / Mandril desechable precargado



**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 <sup>1)</sup>	kN <sup>1)</sup>	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	1.16	1.87	52	57121-13204
	0.4	4.5							7.3				37	57121-13207
	0.4	8.6							11.5				24	57121-13211
4.0 (5/32")	0.5	2.2	4.10	4.43	3.97	4.18	8.18	1.25	5.4	3.90	1.80	3.00	47	57121-14005
	0.5	5.0							8.0				33	57121-14007
	0.5	9.1							11.7				23	57121-14011
4.8 (3/16")	0.6	2.4	5.00	5.40	4.85	5.10	9.71	1.50	5.8	4.79	2.60	4.20	44	57121-14805
	0.6	5.2							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