

Avdel[®] Genesis[®]

Avdel's new nGenesis[®] tool range comprises of high performance, lightweight hydro-pneumatic handtools for breakstem rivets. The tough ergonomic construction allows for swift placement whilst the light design reduces operator fatigue. With an increased lifespan and low air consumption the nGenesis tool range is fast becoming an invaluable tool in every assembly line. Now available as standard with a fixed stem collector bottle.

Features

- Lightweight tool
- Toughened plastic body and heavy duty rubber base
- Optional quick release or fixed stem collector bottle
- Vacuum air supply cut-off on trigger
- Enhanced tool life
- Soft touch rubber grip on handle
- Integral cycle counter (except nG1 & nG2-S)
- nG1, nG2 and nG2-S feature a quick release nose equipment

Benefits

- Reduces operator fatigue
- High placement speed
- Robust tool
- Minimized air consumption
- Reduced time to empty stem collector
- Places a wide range of fasteners
- Ergonomic
- New Genesis Suspension Kit

Authorised UK distributors for:

Genesis® nG1 Hydro Pneumatic Tool

71203 series with quick release stem collector bottle

71204 series with fixed stem collector bottle

Avdel's nG1 tool is one of the lightest tools in the nGenesis range. With a quick cycle time and the ability to install a variety of rivets the nG1 offers invaluable multi functionality whilst maintaining ease of use.

Features

- Lightweight tool
- Toughened plastic body and heavy duty rubber base
- Quick release nose assembly
- Quick release stem collector bottle (71203 series)
- Fixed stem collector bottle (71204 series)
- Adjustable vacuum air flow
- Enhanced tool life
- Soft touch rubber grip on handle

Benefits

- Reduces operator fatigue
- High placement speed
- Robust tool
- Reduced setting times and change of equipment
- Minimized air consumption
- Reduced time to empty stem collector
- Places a wide range of fasteners
- Ergonomic

Specifications

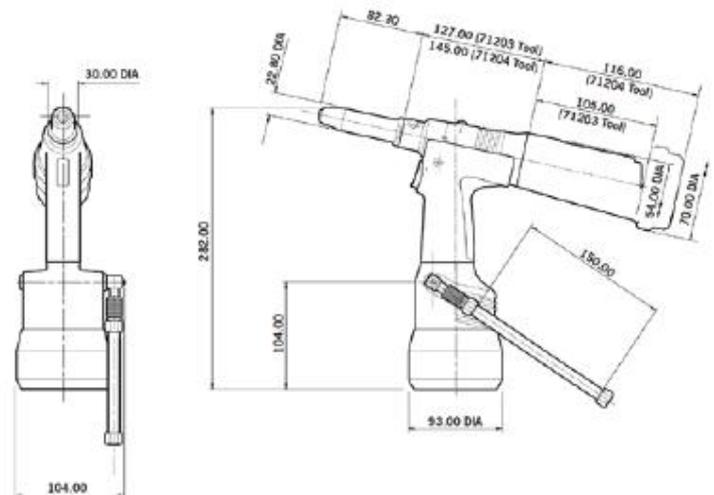
Weight (min. with equip.)	1.7 kg (3.7 lbs)
Pull force @ 5.5 bar	6.0 kN (1350 lbf)
Stroke (min.)	14 mm (0.55 in)
Cycle time (approx.)	0.9 sec
Air supply pressure	5- 7 bar (80-100 psi)
Free air volume @ 5.5 bar	1.2 litres
Noise level	<75 dB(A)
Vibration	<2.5m/s ²

Placing capability

Up to 4.8 mm (3/16") aluminium breakstem rivets and up to 4.0 mm (5/32") steel breakstem rivets produced by Avdel. Can also place Avseal® II 4 and 5 mm sealing plugs.



Dimensions (mm)



Authorised UK distributors for:



Genesis® nG2 Hydro Pneumatic Tool

71213 series with quick release stem collector bottle

71214 series with fixed stem collector bottle

Avdel's nG2 tool features the quickest cycle time in the nGenesis range. With an integral cycle counter to count the number of placings and the ability to take a wide range of rivet sizes the nG2 is a valuable tool in the range.

The nG2 has been designed for rough assembly lines featuring a toughened plastic body and heavy duty rubber base, giving the nG2 an enhanced tool life.

Features

- Lightweight tool
- Toughened plastic body and heavy duty rubber base
- Quick release nose assembly
- Quick release stem collector bottle (71213 series)
- Fixed stem collector bottle (71214 series)
- Adjustable vacuum air flow
- Enhanced tool life
- Soft touch rubber grip on handle
- Integral cycle counter

Benefits

- Reduced operator fatigue
- High placement speed
- Robust tool
- Minimized air consumption
- Reduced setting times and change of equipment
- Reduced time to empty stem collector
- Places a wide range of fasteners
- Ergonomic

Specifications

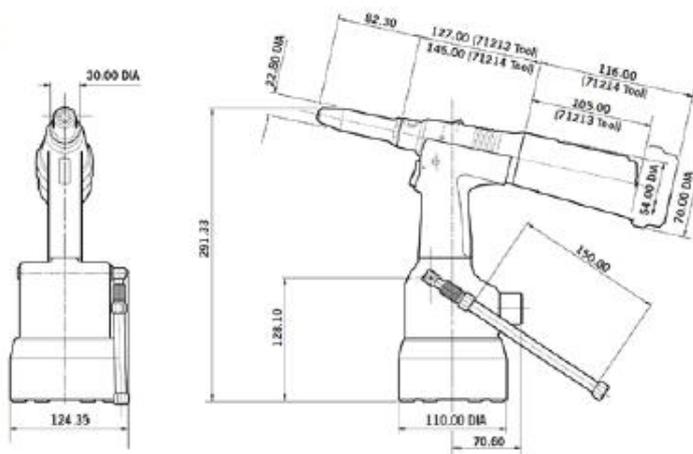
Weight (min. with equip)	2.1 kg (4.5 lbs)
Pull force @ 5.5 bar	9.34 kN (2100 lbf)
Stroke (min.)	17 mm (0.67 in)
Cycle time (approx.)	0.8 sec
Air supply pressure	5-7 bar (80-100 psi)
Free air volume @ 5.5 bar	2.1 litres
Noise level	<75 dB(A)
Vibration	<2.5m/s ²

Placing capability

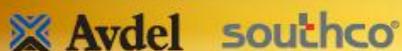
Up to 4.8mm (3/16") breakstem rivets produced by Avdel. Can also place Avseal® II sealing plug up to 7 mm.



Dimensions (mm)



Authorised UK distributors for:



Genesis® nG3 Hydro Pneumatic Tool

71224 series with fixed stem collector bottle

The Avdel nG3 tool allows the placement of a large range of breakstem rivets, lockbolts and sealing plug sizes. With an intergrated counter this tool can be used for a variety of applications and enable you to keep track of your progress.

The nG3 has been designed to make placing rivets easier. It is lightweight with a soft touch rubber grip reducing operator fatigue whilst its toughened body gives the tool an enhanced life span.

Features

- Lightweight tool
- Toughened plastic body and heavy duty rubber base
- Vacuum air supply cut-off on trigger
- Enhanced tool life
- Soft touch rubber grip on handle
- Integral cycle counter

Benefits

- Reduces operator fatigue
- High placement speed
- Robust tool
- Minimized air consumption
- Places a wide range of fasteners
- Ergonomic

Specifications

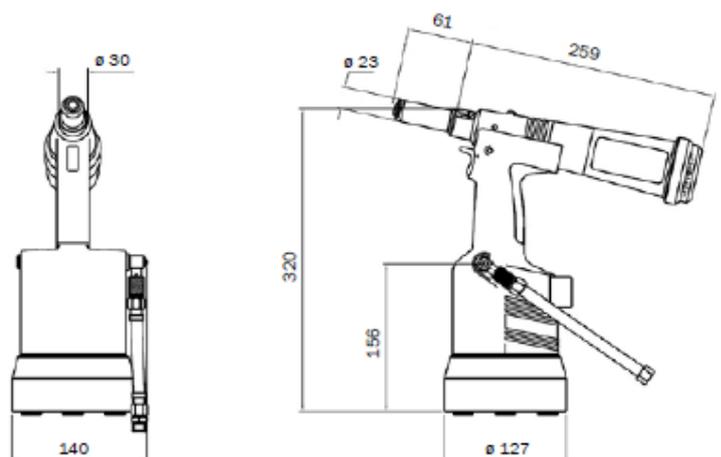
Weight (min. with equip.)	2.3 kg (5.1 lbs)
Pull force @ 5.5 bar	12.9 kN (2900 lbf)
Stroke (min.)	26 mm (1.02 in)
Cycle time (approx.)	1.2 sec
Air supply pressure	5- 7 bar (80-100 psi)
Free air volume @ 5.5 bar	4.3 litres
Noise level	<75 dB(A)
Vibration	<2.5m/s ²

Placing Capability

Up to 6.4mm (1/4") breakstem rivets produced by Avdel, except Avibulb® XT, Avinox® XT and Hemlok® structural fasteners. Can also place Avseal® II sealing plugs up to 9 mm and Avtainer® lockbolts 10 mm (3/8").



Dimensions (mm)



Authorised UK distributors for:



Genesis® nG4 Hydro Pneumatic Tool

71234 series with fixed stem collector bottle

Avdel's new nG4 tool offers the capability to fit some of the larger rivets in Avdel's portfolio. Its ergonomic design and reinforced structure make the nG4 tool easy to use yet tough enough to endure any assembly line.

This is the most powerful tool in the nGenesis range with a mighty pull force of 18,68 kN. This tool has the power that other tools are lacking.

Features

- Lightweight tool
- Toughened plastic body and heavy duty rubber base
- Vacuum air supply cut-off on trigger
- Enhanced tool life
- Soft touch rubber grip on handle
- Integral cycle counter

Benefits

- Reduces operator fatigue
- High placement speed
- Robust tool
- Minimized air consumption
- Places a wide range of lockbolts & breakstem fasteners
- Ergonomic

Specifications

Weight (min. with equip.)	2.3 kg (5.1 lbs)
Pull force @ 5.5 bar	18.68 kN (4200 lbf)
Stroke (min.)	17 mm (0.67 in)
Cycle time (approx.)	1.2 sec
Air supply pressure	5-7 bar (80-100 psi)
Free air volume @ 5.5 bar	4.3 litres
Noise level	<75 dB(A)
Vibration	<2.5m/s ²

Placing Capability

Up to 6.4mm (1/4") breakstem rivets produced by Avdel except Monobolt® and Interlock® structural rivets.

Can also place:

Avseal® II sealing plugs up to 12 mm

Avtainer® lockbolts 10.0 mm (3/8")

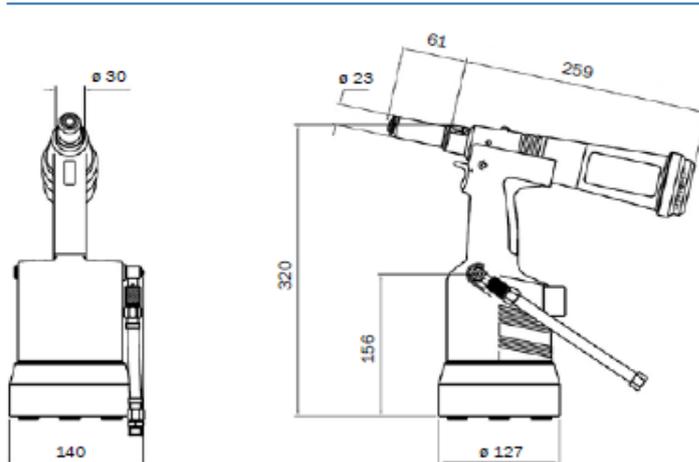
Avdelok® and Maxlok® lockbolts 4.8 mm (3/16") and 6.4 mm (1/4")

Hemlok® structural rivets 6.4 mm (1/4")

Avibulb® XT and Avinox® XT structural rivets



Dimensions (mm)



Authorised UK distributors for:

