

Installation Tools

Tool Selection Guide

This table is designed as a guide to help you select the most suitable tool for your particular lockbolt.

Please note that all tools require fastener specific nose assemblies.

Full technical data can also be found on our website or contact your STANLEY Engineered Fastening representative.

Fastener Type	Size	Installation Tool							
		Genesis® nG3 LB	ProSet® XT4	73200	7287	AV™ 10*	AV™ 15*	AV™ 30*	AV™ 50*
NeoBolt®	4.8 mm (3/16")	•							
	6.4 mm (1/4")	•							
	8.0 mm (5/16")			•					
	9.6 mm (3/8")				•				
	12.7 mm (1/2")						•		
	16.0 mm (5/8")							•	
	19.1 mm (3/4")							•	
	25.4 mm (1")								•
Avdelok®	4.8 mm (3/16")		•	•	•				
	6.4 mm (1/4")		•	•	•				
	8.0 mm (5/16")			•	•				
	9.6 mm (3/8")			•	•	•			
Avdelok® XT	12.7 mm (1/2")						•	•	
	16.0 mm (5/8")							•	
	19.1 mm (3/4")							•	
	22.2 mm (7/8")								•
	25.4 mm (1")								•
	28.6 mm (1-1/8")								•
Maxlok®	4.8 mm (3/16")		•	•	•				
	6.4 mm (1/4")		•	•	•				
Avtainer®	10.0 mm (3/8")		•	•	•				
Avbolt®	4.8 mm (3/16")			•	•				
	6.4 mm (1/4")			•	•				
	8.0 mm (5/16")			•	•	•			
	10.0 mm (3/8")					•			
	12.7 mm (1/2")						•	•	
	16.0 mm (5/8")							•	

*All AV™ Series tools require Enerpac® Power Unit for operation.

Installation Tools

Genesis® nG3 LB

Lightweight pneumatic/hydraulic power tool for the reliable placement of NeoBolt® lockbolts \varnothing 4.8 mm (3/16") and 6.4 mm (1/4").

Features and Benefits

- Ergonomic design reduces operator fatigue
- Quick cycle time increases productivity
- Integral cycle counter helps establish accurate service intervals
- Toughened plastic body and heavy duty rubber base make it a robust tool for a long working life
- Soft touch rubber grip on handle
- Adjustable vacuum air flow minimizes air consumption
- Can be suspended

Specifications

Air pressure	5 - 7 bar
Free air volume required @5.5bar	4.3 litres
Stroke (min.)	26 mm
Pull force @5.5bar	12.9 kN
Cycle time (approx.)	1.2 sec
Noise level	<75 dB(A)
Weight incl. nose equipment	2.4 kg

Base Tool

Part Number	Description
71256-02000	Genesis nG3 LB base tool without nose equipment



Coming soon

Installation Tools

ProSet® XT4

Versatile lightweight pneumatic/hydraulic power tool capable of placing Avdelok® and Maxlok® lockbolts up to \varnothing 6.4 mm (1/4"), and \varnothing 10.0 mm (3/8") Avtainer®. High force to weight ratio and innovative ergonomic design delivers maximum user efficiency and comfort. The tool features an ultra-high tensile piston rod for maximum tool life and a hydraulic damping for smooth operation.

Features and Benefits

- High force-to-weight ratio
- Quick disconnect nose housing and jaw case for easy maintenance and service
- Clear quick release mandrel collector bottle reduces downtime
- Integral exhaust valves for fast setting cycles
- Class-leading lightweight construction with balanced handling
- Comfortable, low activation force trigger
- Adjustable vacuum exhaust direction
- Air isolation switch during mandrel collector bottle removal
- On/Off, left or right swivel air fitting provides flexibility and conserves energy

Specifications

Air pressure	5 - 7 bar
Free air volume required @5.5bar	6.3 litres
Stroke (min.)	18 mm
Pull force @5.5bar	23.0 kN
Cycle time (approx.)	1.0 sec
Noise level	77.9 dB(A)
Weight without nose equipment	2.0 kg

Base Tool

Part Number	Description
76004-00001	ProSetXT4 tool without nose equipment



Installation Tools

73200 Model

The hydro-pneumatic 73200 tool is designed to place NeoBolt® lockbolts \varnothing 8.0 mm (5/16"), Avdelok®, Maxlok® and Avtainer® lockbolts up to \varnothing 10.0 mm (3/8") as well as Avbolt® fasteners up to \varnothing 8.0 mm (5/16"). Featuring an innovative patent protected hydraulic design and using the latest sealing and guiding technology, this new tool delivers unmatched fastening efficiency and dependability.

Features and Benefits

- Forged aerospace-grade aluminium alloy head and handle delivers the optimum combination of low weight, strength and durability
- Designed for heavy duty use over long periods of time, even in the most demanding environments
- Balanced ergonomic design and lightweight Genesis® pneumatic trigger operation
- Quick and simple operation minimizes operator fatigue and reduces assembly time to a minimum
- Wide choice of nose assemblies to suit access restrictions of the application
- Collar cropper attachment available to remove collars from installed Avdelok lockbolts

Specifications

Air pressure		5 - 7 bar
Free air volume required	@5.5bar	15.6 litres
Stroke (min.)		20 mm
Pull force	@5.5bar	28.5 kN
Cycle time (approx.)		3 seconds
Noise level		75 dB(A)
Weight without nose equipment		4.9 kg

Base Tool

Part Number	Description
73200-02000	73200 Model base tool without nose equipment



Installation Tools

7287 Model

Hydro-pneumatic split tool with a lightweight placing head able to place NeoBolt® lockbolts \varnothing 9.6 mm (3/8"), Avdelok® and Avtainer® lockbolts up to \varnothing 10.0 mm (3/8"), Avbolt® fasteners up to \varnothing 8.0 mm (5/16"), and all other lockbolts up to \varnothing 8.0 mm (5/16").

Features and Benefits

- Extended stroke and pull force
- Installation of large fasteners with single pull action for high placement speed
- Short cycle time can increase assembly capacity
- Lightweight placing head reduces operator fatigue
- Remote intensifier mounted on castors for flexible use in the assembly line
- Wide choice of directly interchangeable 73200 model nose assemblies to suit the access restrictions of the application
- Can be fitted with a collar cropper to remove installed Avdelok lockbolts

Specifications

Air pressure	5 - 7 bar
Free air volume required @5.5bar	3.5 litres
Stroke (min.)	29 mm
Pull force @5.5bar	32.4 kN
Cycle time (approx.)	1.7 seconds
Noise level	75 dB(A)
Weight without nose equipment	
- Pistol	1.47 kg
- Total (pistol + intensifier)	40 kg

Base Tool

Part Number	Description
07287-00200	7287 Model base tool without nose equipment



Installation Tools

AV™ Series Tools

The AV hydro-electric power tool line is capable of setting all Avdelok® and Avdelok® XT lockbolts from as small as 9.6 mm (3/8") to as large as 28.6 mm (1-1/8"). It also has the flexibility needed to set NeoBolt® lockbolts 12.7 mm (1/2") up to 25.4 mm (1") and Avbolt® sizes 8.0 mm (5/16") through 16.0 mm (5/8").

Features and Benefits

- Robust and highly durable installation tools designed for a long working life in extreme conditions
- Choice of placing heads and nose equipment to suit the entire range of large diameter Avdelok XT lockbolts as well as NeoBolt lockbolts 12.7 - 25.4 mm and Avbolt fasteners 8.0 - 16.0 mm
- Ergonomic and compact design for optimised operator comfort
- Easy-to-change nose equipment and range of hydraulic hoses in different lengths enable the tool to be adapted to suit local assembly requirements
- Low maintenance

Specifications

Specifications		AV10 73430-02000	AV15 73432-02000	AV30 73434-02000	AV50 73435-02000
Operating pressure	Pull Return	510 bar 200 bar			
Force	Pull at stated pull pressure	55 kN	80 kN	175 kN	340 kN
	PushOff at stated return pressure	26 kN	37.5 kN	81 kN	161 kN
Piston stroke		25 mm	32 mm	41 mm	55 mm
Weight without nose equipment		3.5 kg	4.5 kg	6.8 kg	13.5 kg
Power / Weight ratio		15.7:1	17.7:1	25.7:1	17.9:1
Swept volume	Pull	28.5 cm ³	60.3 cm ³	115.0 cm ³	386.7 cm ³
	Return	34.7 cm ³	71.1 cm ³	140.3 cm ³	467.2 cm ³



AV™ 10



AV™ 15



AV™ 30



AV™ 50

Installation Tools

Enerpac® PRO Series Pumps

STANLEY Engineered Fastening has partnered with Enerpac, the World Leader in Hydraulic Equipment to offer a specialised selection of reliable, durable and versatile high-pressure hydraulic pumps to power all AV™ Hydro-Electric Power Tools.

Features and Benefits

- High-efficiency hydraulic pump design; higher oil flow and bypass pressure, cooler running and requires 18% less current draw than comparable pumps
- Powerful electric motor provides high power-to-weight ratio and excellent low-voltage operating characteristics
- High-strength, molded composite shroud protects electric pump motor and electronics, while providing an ergonomic, non-conductive handles for easy portability
- Full sight oil level glass & durable steel reservoir
- All pump configurations able to power all AV series tools



Pump versions with heat exchanger are suitable for high volume productions.



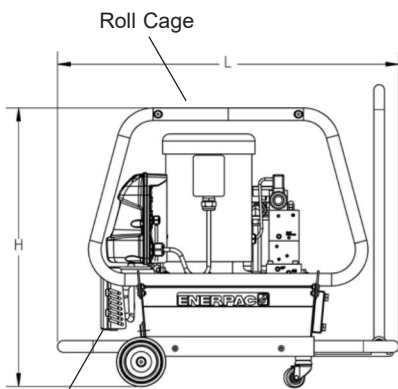
Reservoir heat exchanger



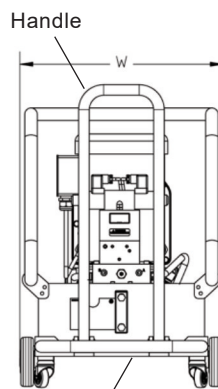
Full sight oil level glass



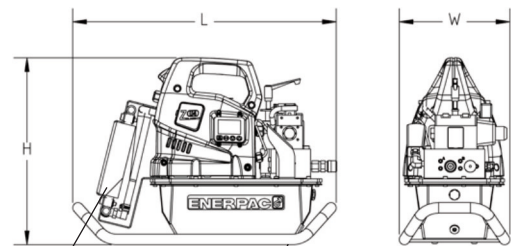
LCD screen



Roll Cage



Handle



Heat Exchanger

Skid Bar

Heat Exchanger

Wheel Base

PRO & PRO PLUS Type Units

F Type includes Heat Exchanger, Roll Cage, Wheel Base & Handle

A Type does not include Heat Exchanger, Roll Cage, Wheel Base & Handle

PRO-E Type Unit

Includes Heat Exchanger and Skid Bar

There are different hose lengths available. Please select the length according to your application:

Hose Assembly Length	Part Number
5 metre	07008-00448
10 metre	07008-00449
15 metre	07008-00450



Installation Tools

Technical Data

Hydraulic pumps for high volume production levels (all models with LCD Display, Heat Exchanger, Roll Cage, Wheel Base & Handle)								
Model		PRO 220-F	PRO 240-F	PRO 240 PLUS-F	PRO 415-F	PRO 415 PLUS-F	PRO 480-F	PRO 480 PLUS-F
Part Number		76502- 02500	76503- 02500	76508- 02500	76504- 02500	76510- 02500	76505- 02500	76511- 02500
Motor Type		Induction	Induction	Induction	Induction	Induction	Induction	Induction
Power	kW	1.1	1.1	5.6	1.1	5.6	1.1	5.6
Voltage	V	208 - 240	208 - 240	208 - 240	380 - 415	380 - 415	460 - 480	460 - 480
Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Phase		1	3	3	3	3	3	3
Full Load	A	6.8	6.8	16.8	3.0	10.2	2.4	8.4
Reservoir	litres	10	10	10	10	10	10	10
Output flow rate (l/min)	50 bar	8.2	8.2	12.2	8.2	12.2	8.2	12.2
	700 bar	0.82	0.82	2.7	0.82	2.7	0.82	2.7
Sound	dB(A)	75	75	75	75	75	75	75
Weight incl. oil	kg	86	86	113	86	113	86	113
Dimensions (mm)	L	865	865	865	865	865	865	865
	W	410	410	410	410	410	410	410
	H	682	682	682	682	682	682	682

Hydraulic pumps for medium volume and small batch production levels (all models with LCD Display)									
Model		PRO 220E-D	PRO 220-A	PRO 240-A	PRO 240 PLUS-A	PRO 415-A	PRO 415 PLUS-A	PRO 480-A	PRO 480 PLUS-A
Part Number		76507- 02300	76502- 02000	76503- 02000	76508- 02000	76504- 02000	76510- 02000	76505- 02000	76511- 02000
Motor Type		Universal	Induction	Induction	Induction	Induction	Induction	Induction	Induction
Power	kW	1.25	1.1	1.1	5.6	1.1	5.6	1.1	5.6
Voltage	V	208 - 240	208 - 240	208 - 240	208 - 240	380 - 415	380 - 415	460 - 480	460 - 480
Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Phase		1	1	3	3	3	3	3	3
Full Load	A	11.0	6.8	6.8	16.8	3.0	10.2	2.4	8.4
Reservoir	litres	4	10	10	10	10	10	10	10
Output flow rate (l/min)	50 bar	8.8	8.2	8.2	12.2	8.2	12.2	8.2	12.2
	700 bar	1.0	0.82	0.82	2.7	0.82	2.7	0.82	2.7
Sound	dB(A)	85 - 90	75	75	75	75	75	75	75
Weight incl. oil	kg	36	51	51	78	51	78	51	78
Dimensions (mm)	L	635	559	559	559	559	559	559	559
	W	267	384	384	384	384	384	384	384
	H	450	457	457	457	457	457	457	457
Heat Exchanger		Yes	No	No	No	No	No	No	No
Skid Bar		Yes	No	No	No	No	No	No	No

POP® & 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 POP 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:



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.



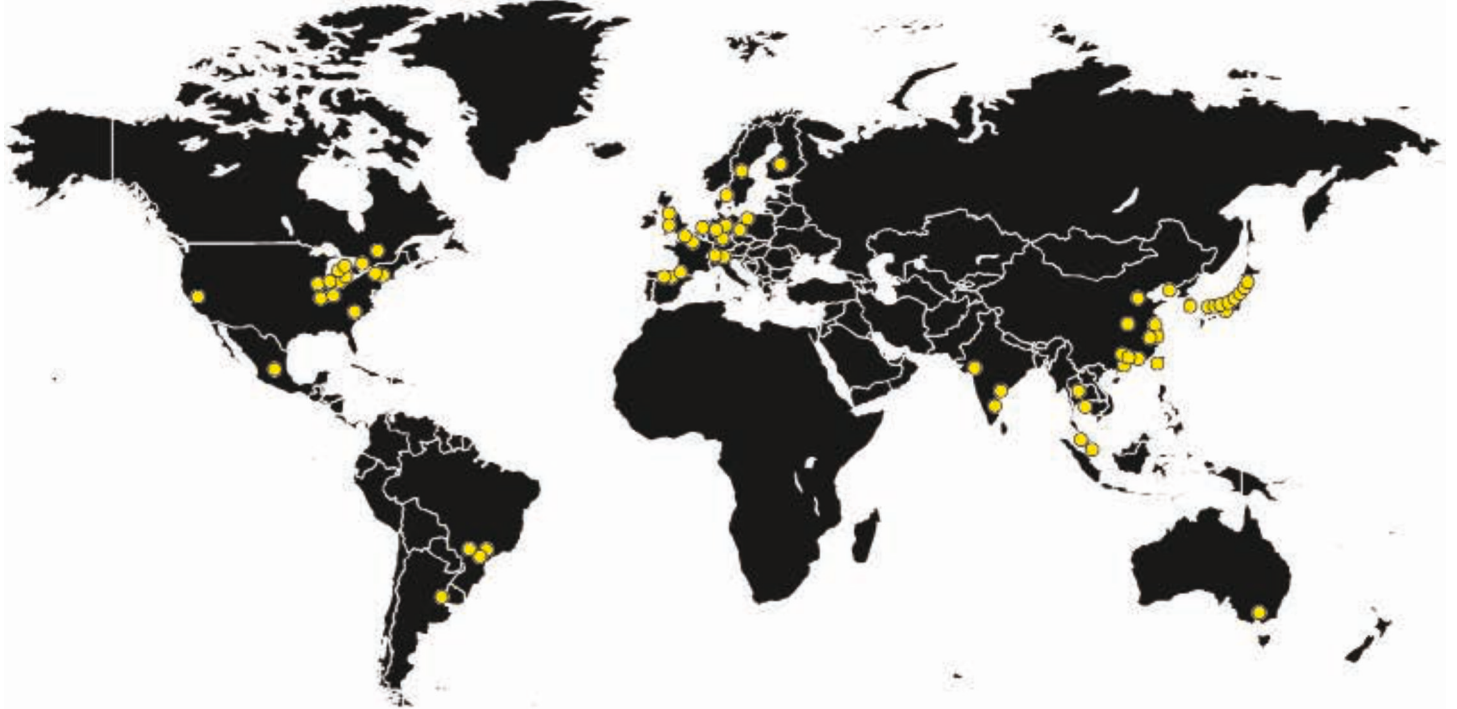
Spiralock® is a technologically superior fastening system ideally suited for threaded joint applications subjected to heavy shock and vibration.



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.

STANLEY®

Engineered Fastening



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