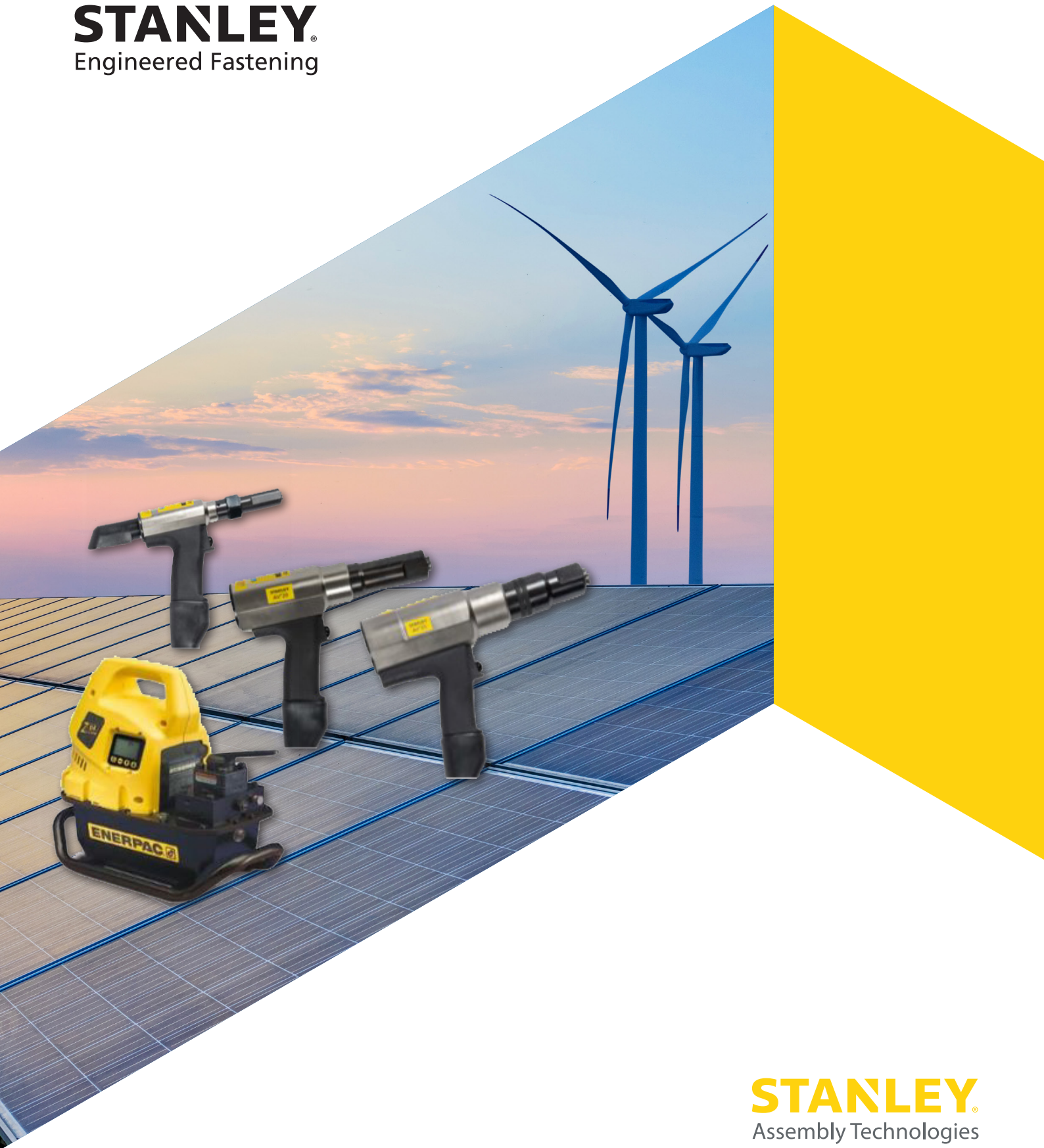


**STANLEY**<sup>®</sup>  
Engineered Fastening



**STANLEY**<sup>®</sup>  
Assembly Technologies

**734 AV<sup>®</sup> Series**  
Lockbolt Installation Systems



## Updated Range of Installation Tools for Lockbolt Systems

STANLEY lockbolt systems are designed for high-strength, secure assembly. Quick and simple to place, durable, and long-lasting, they are the ideal solution where spot welding is not practical and other methods are costly, time consuming, or not possible.

We have developed an updated range of installation tools, especially suited for high-speed installation of larger diameter lockbolts.

The new additions to the proven 734 AV<sup>®</sup> series placing tools have been developed specifically for use with NeoBolt<sup>®</sup> lockbolts, allowing the full application grip capability of these exceptional lockbolts to be realized. Powered by the industry leading Enerpac<sup>®</sup> PRO series pump units, the 734 AV series range of lockbolt installation tools is now even more versatile than before.

To determine the most suitable tool according to fastener size and application requirements, four parts have to be selected:

1. Hand tool
2. Nose equipment
3. Pump unit
4. Hydraulic hose



## Placing Tools and Nose Equipment

### Features

- Robust and highly durable installation tools
- High-performance hydraulic seal & wiper technology
- Piston bearing rings
- Ergonomic and compact design
- High-speed operation

### Benefits

- Long working life in extreme conditions
- Increased seal & component life
- Low maintenance
- Optimised operator comfort
- Manoeuvrable in limited access applications
- High-speed installation of fasteners



## AV® Series Tools

Different AV hand tools suit the fastener size ranges, and there is one nose equipment for each fastener size. Please select the model according to the diameter of the respective lockbolt.



Model		AV 10	AV 15	AV 30	AV 50
Part Number		73430-02000	73432-02000	73434-02000	73435-02000
<b>Pull force</b>		55 kN	80 kN	175 kN	340 kN
<b>Stroke</b>		25 mm	32 mm	41 mm	55 mm
<b>Weight without nose equipment</b>		3.5 kg	4.5 kg	6.8 kg	13.5 kg
<b>with nose equipment</b>		3.9 kg	5.4 kg	8.75 kg	17.9 kg
<b>Dimensions mm</b>					
	A	117	134.5	166.5	192
	B	79	87	-	-
	øC	56	66	92	125
	D	236	246	270	318
	E	89-95	108	113-134	148-152
<b>Nose Equipment for Fastener-ø</b>		<b>Part Number for Above Model</b>			
<b>Avbolt®</b>	8.0 mm (5/16")	73430-03300 <sup>1)</sup>	-	-	-
	10.0 mm (3/8")	73430-03200 <sup>1)</sup>	-	-	-
	12.7 mm (1/2")	-	73432-03100 <sup>1)</sup> 73433-03100 <sup>2)</sup>	73412-03600 <sup>2)</sup>	-
	16.0 mm (5/8")	-	-	73412-03400 <sup>2)</sup>	-
<b>Avseal® II</b>	16.0 mm	73430-05000 <sup>1)</sup>	-	-	-
	16.0 mm flanged	73430-05200 <sup>1)</sup>	-	-	-
	18.0 mm	73430-05000 <sup>1)</sup>	-	-	-
	19.0 mm flanged	73430-05000 <sup>1)</sup>	-	-	-
	22.0 mm flanged	73430-05000 <sup>1)</sup>	-	-	-

<sup>1)</sup> without jaw release <sup>2)</sup> with jaw release  
All AV series tools work with all models of Enerpac PRO Series Pump Units.



## AV® Series Tools

These new additions to the proven 734 AV series placing tools have been developed specifically for use with NeoBolt lockbolts, allowing the full application grip capability of these exceptional lockbolts to be realized.



Model Part Number		AV 5 73425-02000	AV 20 73482-00001	AV 25 73483-00001
<b>Pull force</b>		36 kN	80 kN	140 kN
<b>Stroke</b>		30 mm	45 mm	60 mm
<b>Weight without nose equipment</b>		2.9 kg	4.4 kg	6.87 kg
<b>Dimensions mm</b>	<b>Length</b>	246	160.5	211.0
	<b>Width</b>	48	65	82
	<b>Height</b>	230	254	276
<b>Nose Equipment for Fastener</b>		<b>Part Number for Above Model</b>		
<b>Avbolt®</b>	1/4"	07220-07500	-	-
	5/16"	07220-07700	-	-
	1/2"	-	73433-03100	73412-03600
	5/8"	-	-	73412-03400
<b>Avseal® II</b>	11.0 mm	07220-06600	-	-
	12.0 mm	07220-06700	-	-
	13.0 mm	07220-06600	-	-
	14.0 mm	07220-06700	-	-
	14.0 mm flanged	07220-06700	-	-
	16.0 mm	07220-06800	-	-
	16.0 mm flanged	07220-06800	-	-
19.0 mm flanged	07220-06800	-	-	
<b>Avtainer®</b>	3/8"	71230-15600	-	-
<b>Monobolt®</b>	1/4"	71230-15800	-	-
	3/8"	07220-07200	-	-
<b>Neobolt®</b>	5/16"	73200-05000	-	-
<b>Neobolt® XT</b>	3/8"	73200-05400	-	-
	12 mm	-	73482-03800	-
	1/2"	-	73482-03700	-
	14 mm	-	-	73483-03700
	5/8"	-	-	73483-03500
	16 mm	-	-	73434-03400
	3/4"	-	-	73483-03600

## Enerpac® PRO Series Pumps

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

### Key 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 a heat exchanger are suitable for high-volume productions.**

### PRO & PRO PLUS type units

**F type** includes heat exchanger, roll cage, wheel base and handle

**A type** does not include heat exchanger, roll cage, wheel base and handle

**PRO-E type unit**

**D type** includes LCD screen, heat exchanger and skid bar

**A type** does not include LCD screen, heat exchanger, roll cage, wheel base, skid bar or pressure transducer control



Reservoir heat exchanger



Full sight oil level glass



LCD screen



### Hydraulic Hose Assemblies

There are different hose lengths available.

Please select the length according to your application:

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

### Hydraulic Oil

Pump units are already supplied filled and primed with hydraulic oil. For future maintenance you can order the following:

Part Number	07992-00081	07992-00082	07992-00083
<b>Enerpac Part Number</b>	HF-95X	HF-95Y	HF-95T
<b>Volume</b>	1 Liter	5 Liters	20 Liters
<b>Viscosity</b>	32 mm <sup>2</sup> /s	32 mm <sup>2</sup> /s	32 mm <sup>2</sup> /s

## Enerpac® PRO Series Pumps

### Specifications

To help you find the suitable pump unit according to your requirements and working environment, please use the selection guide below:

### Technical Data

Model	PRO 115-A	PRO 115-F	PRO 220-A	PRO 220-F	PRO 240-A	PRO 240-F	PRO 415-A	PRO 415-F	PRO 480-A	PRO 480-F
Part Number	76501-02000	76501-02500	76502-02000	76502-02500	76503-02000	76503-02500	76504-02000	76504-02500	76505-02000	76505-02500
Motor Type	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND
Power	kW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	hp	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Voltage	V	115	115	208-240	208-240	208-240	208-240	380-415	380-415	460-480
Frequency	Hz	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60
Phase		1	1	1	1	3	3	3	3	3
Full Load	A	18.0	18.0	6.8	6.8	6.8	6.8	3.0	3.0	2.4
Output Flow Rate (l/Min)	50 bar	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
		500 in <sup>3</sup> /min	500 in <sup>3</sup> /min	500 in <sup>3</sup> /min	500 in <sup>3</sup> /min	500 in <sup>3</sup> /min	500 in <sup>3</sup> /min	500 in <sup>3</sup> /min	500 in <sup>3</sup> /min	500 in <sup>3</sup> /min
	700 bar	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
		50 in <sup>3</sup> /min	50 in <sup>3</sup> /min	50 in <sup>3</sup> /min	50 in <sup>3</sup> /min	50 in <sup>3</sup> /min	50 in <sup>3</sup> /min	50 in <sup>3</sup> /min	50 in <sup>3</sup> /min	50 in <sup>3</sup> /min
Reservoir	liters	10	10	10	10	10	10	10	10	10
	gal.	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Sound	dB(A)	75	75	75	75	75	75	75	75	75
Weight incl. Oil	kg	51	86	51	86	51	86	51	86	86
	lbs.	112	190	112	190	112	190	112	190	190
Dimensions mm (in.)	L	mm	559	865	559	865	559	865	559	865
		in.	22	34	22	34	22	34	22	34
	W	mm	384	410	384	410	384	410	384	410
		in.	15	16	15	16	15	16	15	16
	H	mm	457	682	457	682	457	682	457	682
		in.	18	27	18	27	18	27	18	27
LCD Display		•	•	•	•	•	•	•	•	•
Heat Exchanger			•		•		•		•	•
Skid Bar										
Roll Cage			•		•		•		•	•
Wheel Base & Handle			•		•		•		•	•

IND = Induction    UNI = Universal

## Enerpac® PRO Series Pumps

### Specifications

To help you find the suitable pump unit according to your requirements and working environment, please use the selection guide below:

### Technical Data

Model	PRO 115E-A*	PRO 115E-D	PRO 220E-A*	PRO 220E-D	PRO 240 PLUS-A	PRO 240 PLUS-F	PRO 415 PLUS-A	PRO 415 PLUS-F	PRO 480 PLUS-A	PRO 480 PLUS-F
Part Number	76506-02000	76506-02300	76507-02000	76507-02300	76508-02000	76508-02500	76510-02000	76510-02500	76511-02000	76511-02500
Motor Type	UNI	UNI	UNI	UNI	IND	IND	IND	IND	IND	IND
Power	kW	1.25	1.25	1.25	1.25	5.6	5.6	5.6	5.6	5.6
	hp	1.7	1.7	1.7	1.7	7.5	7.5	7.5	7.5	7.5
Voltage	V	115	115	208-240	208-240	208-240	208-240	380-415	380-415	460-480
Frequency	Hz	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60
Phase		1	1	1	1	3	3	3	3	3
Full Load	A	21.0	21.0	11.0	11.0	16.8	16.8	10.2	10.2	8.4
Output Flow Rate (l/Min)	50 bar	8.8	8.8	8.8	8.8	12.2	12.2	12.2	12.2	12.2
		537 in <sup>3</sup> /min	537 in <sup>3</sup> /min	537 in <sup>3</sup> /min	537 in <sup>3</sup> /min	744 in <sup>3</sup> /min	744 in <sup>3</sup> /min	744 in <sup>3</sup> /min	744 in <sup>3</sup> /min	744 in <sup>3</sup> /min
	700 bar	1.0	1.0	1.0	1.0	2.7	2.7	2.7	2.7	2.7
		61 in <sup>3</sup> /min	61 in <sup>3</sup> /min	61 in <sup>3</sup> /min	61 in <sup>3</sup> /min	165 in <sup>3</sup> /min	165 in <sup>3</sup> /min	165 in <sup>3</sup> /min	165 in <sup>3</sup> /min	165 in <sup>3</sup> /min
Reservoir	liters	4	4	4	4	10	10	10	10	10
	gal.	1.0	1.0	1.0	1.0	2.5	2.5	2.5	2.5	2.5
Sound	dB(A)	85-90	85-90	85-90	85-90	75	75	75	75	75
Weight incl. Oil	kg	32	36	32	36	78	113	78	113	113
	lbs.	71	79	71	79	112	249	112	249	249
Dimensions mm (in.)	L	mm	635	635	635	635	559	865	559	865
		in.	25	25	25	25	22	34	22	34
	W	mm	267	267	267	267	384	410	384	410
		in.	10.5	10.5	10.5	10.5	15	16	15	16
	H	mm	450	450	450	450	457	682	457	682
		in.	18	18	18	18	18	27	18	27
LCD Display			•		•	•	•	•	•	•
Heat Exchanger			•		•	•	•	•	•	•
Skid Bar			•		•					
Roll Cage							•		•	•
Wheel Base & Handle							•		•	•

\*Contact a STANLEY representative for operation guidance before setting Neobolt® Fasteners.

IND = Induction    UNI = Universal



**AVDEL**

Structural Blind Fasteners

**INTEGRA**

Plastic Components

**NELSON**

Stud Welding

**OPTIA**

Threaded Fasteners

**POP**

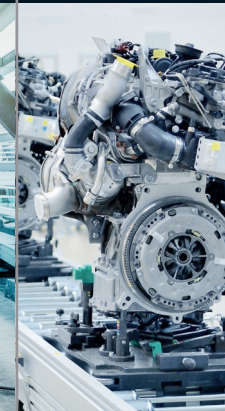
Non-structural Blind Fasteners

**STANLEY**  
Assembly Technologies

Specialist Assembly

**TUCKER**

Automated Fastener Systems



**STANLEY**  
Engineered Fastening

Stanley Engineered Fastening — a division of Stanley Black and Decker — is the global leader in precision fastening and assembly solutions. Our industry-leading brands, Avdel®, Integra™, Nelson®, Optia™, POP®, Stanley® Assembly Technologies, and Tucker®, elevate what our customers create. Backed by a team of passionate and responsive problem-solvers, we empower engineers to create the future.

STANLEY ENGINEERED FASTENING FAMILY OF BRANDS

**AVDEL** **INTEGRA** **NELSON** **OPTIA** **POP** **STANLEY** **TUCKER**  
Assembly Technologies