

## Pliers for CLIC-/hose-clamps

All pliers for spring-clamps have their inserts included.



Depth stop for hose clamps exchangeable, adjustable to clamp nose.



The models 48-381-3C6/3C8 are equipped with safety lever valves.

### Specifications

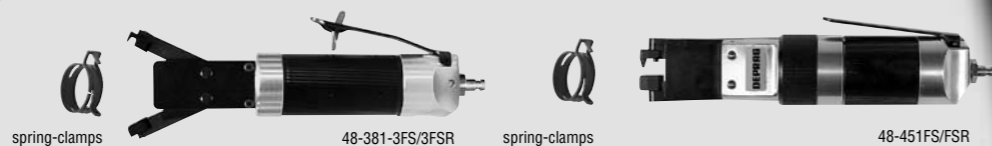
Model Part Number	Pliers for							
	CLIC-clamps		hose-clamps					
	48-381-3C6 821572 A	48-381-3C8 821572 B	dia. up to mm 55 / in. 2-11/64			dia. mm 50 do 100 / in. 1-31/32 up to 3-15/16		
			48-381-2-7,5R 829833 A	48-381-3-7,5R 829833 B	48-381-4-10R 829833 C	48-451R 807472 B	48-451DR 807473 A	
Base position	open	open	open	open	open	open	open	
Width of clamp	mm (in) 6 (15/64")	8 (5/16")	7,5 (19/64")	7,5 (19/64")	10 (25/64")	-	-	
Insert opening adjustable	yes	yes	yes	yes	yes	no	no	
Squeeze force	N (lbs) 3 300	3 300	2 100	3 100	4 300	3 000	4 500	
Pliers insert, mounted	yes	yes	yes	yes	yes	yes	yes	
Length (with plier insert)	mm (in) 206 (8-7/64")	206 (8-7/64")	164 (6-29/64")	200 (7-7/8")	235 (9-1/4")	235 (9-1/4")	290(11-27/64")	
Body diameter	mm (in) 47 (1-27/32")	47 (1-27/32")	47 (1-27/32")	47 (1-27/32")	47 (1-27/32")	55 (2-3/16")	55 (2-3/16")	
Weight (with plier insert)	kg (lbs) 0,6 (1.32)	0,6 (1.32)	0,55(1.21)	0,58(1.28)	0,61(1.34)	1 (2.2)	1,2 (2.64)	
I.D. of air inlet hose	mm (in) 6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	
Air connection	G 1/8" i	G 1/8" i	G 1/8" i	G 1/8" i	G 1/8" i	G 1/4" i	G 1/4" i	

Specifications at 90 psi (6,3 bar)

**Standard Equipment** Hose coupling with nozzle and nipple

## Pliers for spring-clamps

Pliers with special inserts included for mounting of spring-clamps



The models 48-381-3FS/3FSR are equipped with safety lever valves.

### Specifications

Model Part Number	Pliers for spring-clamps							
	dia. up to mm 55 / in. 2-11/64				dia. mm 50 up to 100 / in. 1-31/32 up to 3-15/16			
	48-381-3FS 824781 A		48-381-3FSR 824781 B		48-451FS 807474 A		48-451FSR 807475 A	
Base position	open		closed		open		closed	
Width of clamp	mm (in) 15 (19/32")		15 (19/32")		12 - 16 (15/32"-5/8")		12 - 16 (15/32"-5/8")	
Insert opening adjustable	yes		yes		yes		yes	
Squeeze force	N (lbs) 1 300		1 300		4 000		4 000	
Pliers insert, mounted	yes		yes		yes		yes	
Length (with plier insert)	mm (in) 240 (9-31/64")		240 (9-31/64")		250 (9-7/8")		250 (9-7/8")	
Body diameter	mm (in) 47 (1-55/64")		47 (1-55/64")		55 (2-3/16")		55 (2-3/16")	
Weight (with plier insert)	kg (lbs) 0,85 (1.87)		0,85 (1.87)		1,1 (2.4)		1,1 (2.4)	
I.D. of air inlet hose	mm (in) 6 (1/4")		6 (1/4")		6 (1/4")		6 (1/4")	
Air connection	G 1/8" i		G 1/8" i		G 1/4" i		G 1/4" i	

Specifications at 90 psi (6,3 bar)

**Standard Equipment** Hose coupling with nozzle and nipple

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## INDUSTRIAL

### Pneumatic Pliers

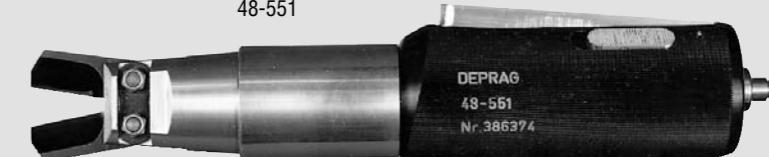
Hand-held pliers for the use of:

- Cutting
- Angle Forming and Flattening
- Sealing Operations
- Pressing
- Mounting CLIC-, hose-, or spring clamps

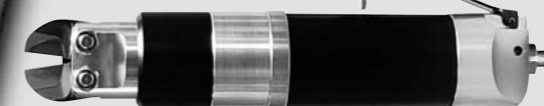
Pliers with trigger  
48-181



Pliers with trigger and trigger-lock  
48-551



Pliers with safety lever  
48-451-2S to 48-451-4SV



Pliers for CLIC-/hose-clamps  
48-381-2-7,5R to 48-381-4-10R  
and 48-451R



Pliers for spring-clamps  
48-381-3FS/3FSR



Pliers for spring-clamps  
48-451FS/FSR



Hand-held pliers for the use of:

- Cutting Cu, Al, Be, Ag, plastic materials (PVC, PF) and steel max. 400 N/mm<sup>2</sup>
- Simultaneous cutting and wire-end flattening or
- Simultaneous cutting and 90° angle forming of wire ends of electronic components
- Sealing operations
- Pressing of cable joints
- Mounting CLIC, hose or spring hose

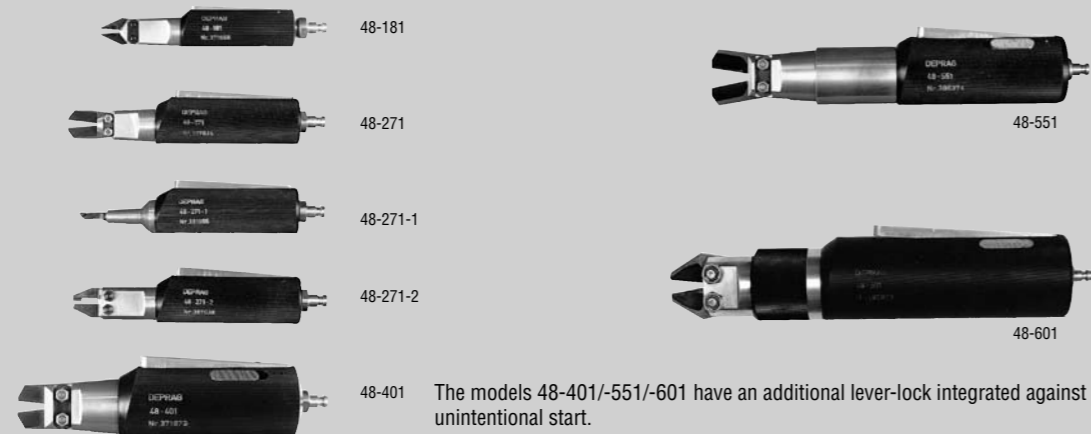
The favorable weight/dimension to power ration makes them very handy and easy to work. The plier inserts can be operated in any cutting position by turning the complete plier head against the plier body and lever. The legs of the plier inserts are separately supported in the pliers head and therefore extremely easy to operate.

Plier inserts for cutting are available in two designs:

- Standard execution for cutting metals. One insert side has an edge for cutting - the other insert side is designed as a counter-holder. This eliminates a possible crossing of the insert blades and the extensive wear of the insert joint. When cutting soft, flowing materials, an overlapping of the inserts results in uneven cuts or nicks.

- Special execution for cutting plastic materials. Both insert sides are equipped with a cutting edge.

## Pliers with trigger



The models 48-401/-551/-601 have an additional lever-lock integrated against unintentional start.

## Specifications

Model Part Number	Pliers with trigger							
	48-181 807671 A	48-271 807672 A	48-271-1 807672 B	48-271-2 807672 C	48-401 807683 A	48-551 807684 A	48-601 807690 A	
Squeeze force	N (lbs)	1 100 (240)	1 800 (400)	1 000 (220)	1 800 (400)	3 400 (750)	5 800 (1270)	10 000 (2200)
Pliers insert, mounted	no	no	yes	no	no	no	no	no
Length (with plier insert)	mm (in)	145 (5-3/4")	170 (6-3/4")	165 (6-1/2")	170 (6-3/4")	200 (7-7/8")	260 (10-1/4")	285 (11-1/4")
Body diameter	mm (in)	27 (1-1/16")	35 (1-3/8")	35 (1-3/8")	35 (1-3/8")	49 (1-15/16")	49 (1-15/16")	60 (2-3/8")
Weight (with plier insert)	kg (lbs)	0,12 (.26)	0,21 (.46)	0,20 (.44)	0,25 (.55)	0,58 (1.28)	0,70 (1.54)	1,56 (3.43)
I.D. of air inlet hose	mm (in)	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")
Air connection		G 1/8" i	G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i

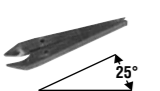
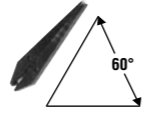
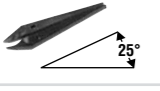

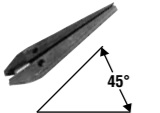
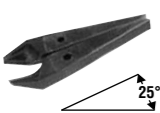


Specifications at 90 psi (6,3 bar)



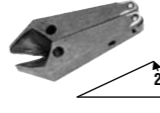


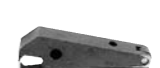
## Standard Equipment

Hose coupling with nozzle and nipple

## Optional Accessories

Name	Part Number
Semi-finished plier insert	807442, 807391, -, 807659, 807674, 807674, 807494

For type	Pliers inserts - part number	Cutting capacity	Ø mm/in	Pliers inserts - part number	Cutting capacity	Ø mm/in
48-181	807677 (standard execution) <sup>1)</sup> 807808 (special execution) <sup>2)</sup> 	Cu / Al - strand PF plastics PVC plastics	2/ 5/64" 2,5/ 3/32" 2,5/ 3/32" 2,5/ 3/32"	807675 (standard execution) <sup>1)</sup> 	Cu / Al - strand	1,5/ 1/16" 1,5/ 1/16"
48-271	807678 (standard execution) <sup>1)</sup> 807809 (special execution) <sup>2)</sup> 	Cu / Al - strand PF plastics PVC plastics	3/ 1/8" 4,5/ 11/64" 4,5/ 11/64" 4,5/ 11/64"	807679 (standard execution) <sup>1)</sup> 	Steel max. 400 N/mm <sup>2</sup> 25 long tons/sq.in Cu/Al rough cut	2/ 5/64" 3/ 1/8"
48-271-1	mounted	for simultaneous cutting and 90°angle forming of Cu, Al, Ag and Be-wire ends of electronic components up to dia. 1mm / 0.04in				
48-271-2	807673 	for simultaneous cutting and wire-end flattening of Cu, Al, Ag and Be-wire ends of electronic components dia. 0,5 mm / 0,020in. flattened to 1 mm/ 0,040in dia. 0,8 mm / 0,032in. flattened to 1,4 mm/ 0,055in dia. 1 mm / 0,040in. flattened to 1,7 mm/ 0,067in dia. 1,2 mm / 0,048in. flattened to 2 mm/ 0,080in				
48-401	807680 (standard execution) <sup>1)</sup> 807528 (special execution) <sup>2)</sup> 	Cu / Al PF plastics PVC plastics	4,5/ 11/64" 8/ 5/16" 10/ 25/64"	807681 (standard execution) <sup>1)</sup> 807389 (special execution) <sup>2)</sup> 	Steel max. 400 N/mm <sup>2</sup> 25 long tons/sq.in Cu/Al rough cut PF plastics PVC plastics	3/ 1/8" 4,5/ 11/64" 8/ 5/16" 10/ 25/64"
48-551		Cu / Al PF plastics PVC plastics	5,5/ 7/32" 10/ 25/64" 12/ 15/32"	807389/1 (higher life expectancy when used with HSS-plates)	Steel max. 400 N/mm <sup>2</sup> Cu/Al rough cut	4/ 5/32" 5,5/ 7/32"

48-551 48-401	807682 	inserts opening 10 mm / 25/64in	for sealing and stamping seals incl. one set of sealing stamps dia. 8, 10, 12 and 13 mm (dia. 5/16, 25/64, 15/32, 33/64in)	807686 	inserts opening 10 mm / 25/64in	for pressing of cable joints and wire end joints with adjustable pressure ball
48-601	807691 (standard execution) <sup>1)</sup> 807398 (special execution) <sup>2)</sup> 	inserts opening 10 mm / 25/64in	Cu / Al 6/ 15/64" PF plastics 9/ 23/64" PVC plastics 9/ 23/64"	807692 (standard execution) <sup>1)</sup> 807301 (special execution) <sup>2)</sup> 	inserts opening 10 mm / 25/64in	Steel max. 400 N/mm <sup>2</sup> 25 long tons/sq.in Cu/Al rough cut 6/ 15/64" PF plastics 9/ 23/64" PVC plastics 9/ 23/64"
48-601	807694 	inserts opening 8 mm/ 5/16in	for sealing and stamping seals incl. one set of sealing stamps dia. 8,10, 12 and 13 mm (dia. 5/16, 25/64, 15/32, 33/64in)	807693 (standard execution) <sup>1)</sup> 820955 (special execution) <sup>2)</sup> 	inserts opening 7 mm/ 9/32in	Specially suitable for steel max. 400 N/mm <sup>2</sup> 5/ 13/64" Plier Steel max. 400 N/mm <sup>2</sup> 25 long tons/sq.in Cu/al rough cut 6/ 15/64" PF plastics 6/ 15/64" PVC plastics 6/ 15/64"

<sup>1)</sup> standard execution (cutting edge / counter-holder) <sup>2)</sup> special execution (cutting edge / cutting edge)

## Pliers with safety lever

These pliers are made for heavy-duty applications and provide better lifetime.



## Specifications

Model Part Number	Pliers with safety lever							
	48-281-2S 824965 A	48-281-3S 824965 C	48-381-2S 827205 A	48-381-3S 821915 B	48-451-2SV 825817 B	48-451-3SV 825817 A	48-451-4SV 825817 D	
Squeeze force	N (lbs)	1 500 (336)	2 200 (493)	3 000 (672)	3 800 (851)	6 600 (1478)	9 200 (2061)	12 300 (2755)
Length (without plier insert)	mm (in)	189 (7-7/16")	251 (9-7/8")	210 (8-17/64")	245 (9-41/64")	250 (9-27/32")	316 (12-7/32")	376 (14-31/32")
Body diameter	mm (in)	36 (1-27/64")	36 (1-27/64")	47 (1-27/32")	47 (1-27/32")	55 (2-11/64")	55 (2-11/64")	55 (2-11/64")
Weight (without plier insert)	kg (lbs)	0,5 (1.1)	0,55 (1.21)	0,6 (1.32)	0,65 (1.43)	1 (2.20)	1,2 (2.64)	1,4 (3.08)
I.D. of air inlet hose	mm (in)	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")	6 (1/4")
Air connection		G 1/8" i	G 1/8" i	G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i

Specifications at 90 psi (6,3 bar)

## Optional Accesories

For type	Pliers inserts - part number	Inserts opening max. mm/in	Cutting angle	Cutting capacity Ø / mm/in	Steel grade
48-281-..	826268 <sup>1)</sup>	9	30	1,5	structural steel
	829826 <sup>2)</sup>	9	30	7	plastic materials
	829827 <sup>1)</sup>	9	0	1,5	structural steel
	829828 <sup>2)</sup>	9	0	7	plastic materials
48-381-..	829829 <sup>1)</sup>	14,5	25	4,5	Cu / Al
	821916 <sup>2)</sup>	14,5	25	10	plastic materials
	829830 <sup>1)</sup>	19	0	3,5	structural steel
	827204 <sup>2)</sup>	14,5	25	10	plastic materials
	829831 <sup>1)</sup>	17	75	10	plastic materials
	829832 <sup>2)</sup>	17	75	10	plastic materials
48-451-.. 48-601	807691 <sup>1)</sup>	8	30	3	structural steel
	820315 <sup>4)</sup>	13	30	5 x 10	Cu / Al
	807392 <sup>3)</sup>	13	30	6,5	Cu / Al
	807692 <sup>1)</sup>	10	0	5	structural steel
	807301 <sup>2)</sup>	10	0	5	Cu / Al
	807501 <sup>3)</sup>	13	0	5	structural steel
	807414 <sup>4)</sup>	10	0	5	Cu / Al
	807693 <sup>1)</sup>	7	90	4	structural steel
820955 <sup>2)</sup>	7	90	6	Cu / Al	

<sup>1)</sup> standard execution (cutting edge / counter-holder)

<sup>2)</sup> special execution (cutting edge / cutting edge)

<sup>3)</sup> standard execution (cutting edge / counter-holder), extra log version of cutting edge

<sup>4)</sup> special execution (cutting edge / cutting edge), extra log version of cutting edge