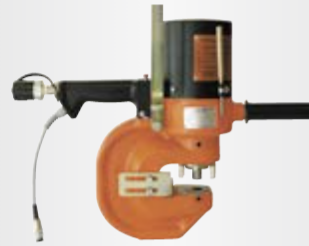


ALFRA PRESS

- Easily portable, fully automatic, hydraulic punching equipment for steel, bridge, container, crane and metal construction
- Mobile usage, no material transport
- Virtually noiseless punching
- Easy positioning through stop function of the punch



ALFRA-PRESS HYDRAULIC PUNCHES – OVERVIEW



APS 70

Page	82
Prod.-No.	23002
Max. hole-Ø	22 mm 7/8"
Max. oblong hole	22 x 14 mm 7/8" x 9/16"
Max. material thickness (S235)	13 mm 1/2"
Overall punch time with pump ...	AHP-M: approx. 5 sec. AHP-L: approx. 3 sec.
Jaw depth	70 mm 2-3/4"
Max. pressure	700 bar 10,150 psi
Punching force	30 t
Punch stroke	18 mm 11/16"
Weight	29.9 kg / 65.9 lbs
Scope of delivery	Hose assembly 5 m/spanner Punch/die Ø 18 mm Depth adjustment, suspension bracket

HYDRAULIC PUMP FOR APS 70 / 120



AHP-M

Page	87
Prod.-No.	23189
Max. pressure	700 bar
Maximum pumping capacity:	1.1 l/min
Motor performance	1300 W, 230 v (50 Hz)
Fill volume	3.2 l
Weight incl. oil fill volume	29 kg



APS 120

83

23004

25 mm
1-1/16"

25 x 18 mm
1" x 11/16"

16 mm
5/8"

AHP-M: approx. 10 sec.
AHP-L: approx. 7 sec.

110 mm
4-3/8"

700 bar
10,150 psi

44 t

25 mm
15/16"

47.3 kg / 104.2 lbs

Hose assembly 5 m/spanner
Punch/die Ø 22 mm
Depth adjustment, suspension bracket

HYDRAULIC PUMP FOR APS 70 / 120



AHP-L

87

23190

700 bar

1.7 l/min

2,200 W, 230 v (50 Hz)

3.0 l

34 kg



ALFRA-PRESS – HYDRAULIC PUNCHING

ALFRA-Press - Hydraulic puncher APS 70

Prod.-No.

23002

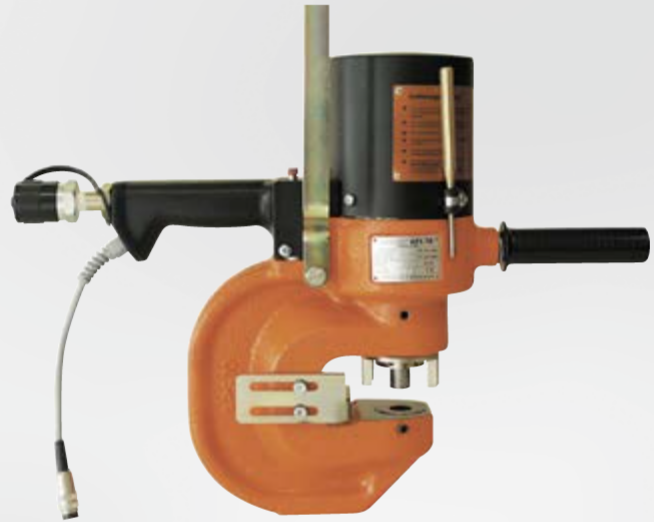
Hydraulic punching unit with
Automatic return using neoprene spring

Technical specifications:

Max. hole Ø mm	22 mm
Max. oblong hole	22 x 14 mm
Max. material thickness as per DIN S275	13 mm
Total punch time with pump AHP-M	5 sec.
with pump AHP-L	3 sec.
Jaw depth	70 mm
Max. pressure	700 bar (10,150 psi)
Punching force	30 t
Punching stroke	18 mm
Weight	29.9 kg

Scope of delivery:

Punching unit, control cable, hydraulic hose 5 m, spanner,
1 x punch and die each Ø 18 mm, 1 depth adjustment, 1 suspension bracket



Prod.-No. 23002

Accessories

Prod.-No.

Replacement HP connection hose, **5 m**
complete with control cable and coupling

23015

Replacement HP connection hose, **10 m**
complete with control cable and coupling

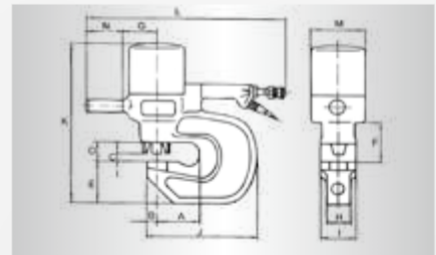
23016

Replacement HP connection hose, ***15 m**
complete with control cable and coupling

23017

*Note:

The pressure build-up extends at 10 m to approx. 4 sec., and at 15 m to approx. 6 sec.



Important technical note:

Standard punching units are not normally suitable for punching high strength tooling steel, stainless steels or boiler-plate steel. Refer to us for technical advice for punching work in this application range.

Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N
APS 70	70	24	15	51	85	100	80	40	80	204	382	562	125	135
APS 120	110	25	18	51	111	110	90	68	100	285	442	585	144	135

ALFRA-Press - Hydraulic puncher APS 120

Hydraulic punching unit with
Automatic return using neoprene spring

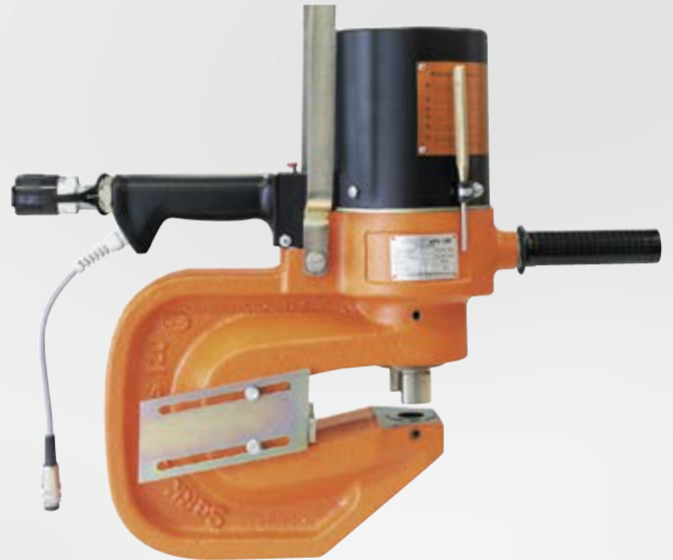
Prod.-No.
23004

Technical specifications

Max. hole Ø mm	25 mm
Max. oblong hole	25 x 18 mm
Max. material thickness as per DIN S275	16 mm
Total punch time with pump AHP-M	10 sec.
with pump AHP-L	7 sec.
Jaw depth	110 mm
Max. pressure	700 bar (10,150 psi)
Punching force	44 t
Punching stroke	25 mm
Weight`	47.3 kg

Scope of delivery:

Punching unit, control cable, hydraulic hose 5 m, spanner,
1 x punch and die each Ø 22 mm, 1 depth adjustment, 1 suspension
bracket



Prod.-No. 23004

Accessories

Replacement HP connection hose, **5 m**
complete with control cable and coupling

Prod.-No.
23015

Replacement HP connection hose, **10 m**
complete with control cable and coupling

23016

Replacement HP connection hose, ***15 m**
complete with control cable and coupling

23017

*Note:

The pressure build-up extends at 10 m to approx. 4 sec., and at 15 m to
approx. 6 sec.



ALFRA – APS PUNCHES AND DIES

Punch for				Dies for			
APS 120	APS 70	Ø mm	Prod.-No.	APS 120	APS 70	Ø mm	Prod.-No.
■	■	7	23-01-07	■	■	7	23-02-07
■	■	8	23-01-08	■	■	8	23-02-08
■	■	9	23-01-09	■	■	9	23-02-09
■	■	10	23-01-10	■	■	10	23-02-10
■	■	11	23-01-11	■	■	11	23-02-11
■	■	12	23-01-12	■	■	12	23-02-12
■	■	13	23-01-13	■	■	13	23-02-13
■	■	14	23-01-14	■	■	14	23-02-14
■	■	15	23-01-15	■	■	15	23-02-15
■	■	16	23-01-16	■	■	16	23-02-16
■	■	17	23-01-17	■	■	17	23-02-17
■	■	18	23-01-18	■	■	18	23-02-18
■	■	19	23-01-19	■	■	19	23-02-19
■	■	20	23-01-20	■	■	20	23-02-20
■	■	21	23-01-21	■	■	21	23-02-21
■	■	22	23-01-22	■	■	22	23-02-22
■	-	23	23-01-23	■	-	23	23-02-23
■	-	24	23-01-24	■	-	24	23-02-24
■	-	25*	23-01-25	■	-	25*	23-02-25

*) with lock nut, Prod.-No. 23004-056 B

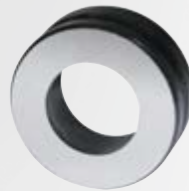
When selecting your tool, please note:

For material DIN S233: maximum material thickness = 0.8 x hole Ø

For material DIN S275: maximum material thickness = 0.5 x hole Ø



Prod.-No. 23-01-..



Prod.-No. 23-02-..



Tip:

Punches and dies can be replaced and used for Nitto / Selfer Punching systems.

Tip:

Please oil punch from time to time, when material is heavily oxidized.

ALFRA – APS PUNCHES AND DIES

5°-bevelled dies for

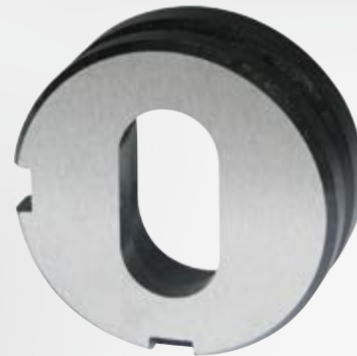
APS 120	APS 70	Ø mm	Prod.-No.
■	■	10	23-04-10
■	■	11	23-04-11
■	■	12	23-04-12
■	■	13	23-04-13
■	■	14	23-04-14
■	■	15	23-04-15
■	■	16	23-04-16
■	■	17	23-04-17
■	■	18	23-04-18
■	■	19	23-04-19
■	■	20	23-04-20
■	■	21	23-04-21
■	■	22	23-04-22
■	-	23	23-04-23
■	-	24	23-04-24
■	-	25	23-04-25



Prod.-No. 23-04-... (For carriers with angled flange)

Oblong punches for

mm	APS 120	APS 70	Punch Prod.-No.	Die Prod.-No.
16 x 8	■	■	23-01-1608	23-02-1608
18 x 9	■	■	23-01-1809	23-02-1809
18 x 11	■	■	23-01-1811	23-02-1811
20 x 10	■	■	23-01-2010	23-02-2010
20 x 12	■	■	23-01-2012	23-02-2012
20 x 14	■	■	23-01-2014	23-02-2014
22 x 11	■	■	23-01-2211	23-02-2211
22 x 14	■	■	23-01-2214	23-02-2214
24 x 12	■	-	23-01-2412	23-02-2412
25 x 9*	■	-	23-01-2509	23-02-2509
25 x 12*	■	-	23-01-2512	23-02-2512
25 x 13*	■	-	23-01-2513	23-02-2513
25 x 14*	■	-	23-01-2514	23-02-2514
25 x 18*	■	-	23-01-2518	23-02-2518



Prod.-No. 23-02-..



Prod.-No. 23-01-..

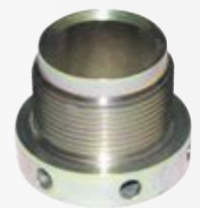
*) with lock nut, Prod.-No. 23004-56B

Replacement parts

	Prod.-No.
Lock nut for punch Ø 7 - 24 mm	23004-056A
Lock nut for punch Ø 25 mm (only APS 120)	23004-056B
Lock nut for punch Ø 26 mm (upon request)	23004-056C.



Prod.-No. 23004-056A
For punches Ø 7 - 24 mm



Prod.-No. 23004-056B
For punches Ø 25 mm

ALFRA ELECTRIC HYDRAULIC PUMPS

- 1 Powerful, hydraulic drive unit for maximum punching performance and speed
- 2 Additional fan allows continuous use - even in warmer regions
- 3 Light housing made of impact-resistant plastic
- 4 Extra large, non-slip carrying handles on which the power cord can be wrapped
- 5 Extremely space-saving thanks to compact design



ALFRA ELECTRIC HYDRAULIC PUMP AHP-M



Technical specifications:

Max. pressure:	700 bar
Max. pumping capacity:	1.1 l/min
Oil type:	HLP 46
Fill volume:	3.2 l
Active volume:	2.2 l
Weight:	29 kg
Operating voltage:	230 V / 50 Hz
Rating:	1.3 kW
Power consumption:	5.65 A
Motor speed:	2800 1/min

Electric hydraulic pump AHP M

Prod.-No.

23189

ALFRA ELECTRIC HYDRAULIC PUMP AHP-L



Technical specifications:

Max. pressure:	700 bar
Max. pumping capacity:	1.7 l/min
Oil type:	HLP 46
Fill volume:	3.0 l
Active volume:	2.2 l
Weight:	34 kg
Voltage, frequency:	230 V / 50 Hz
Rating:	2.2 kW
Power consumption:	9.8 A
Motor speed:	2860 1/min

Electric hydraulic pump AHP L

Prod.-No.

23190

Not available in 110V