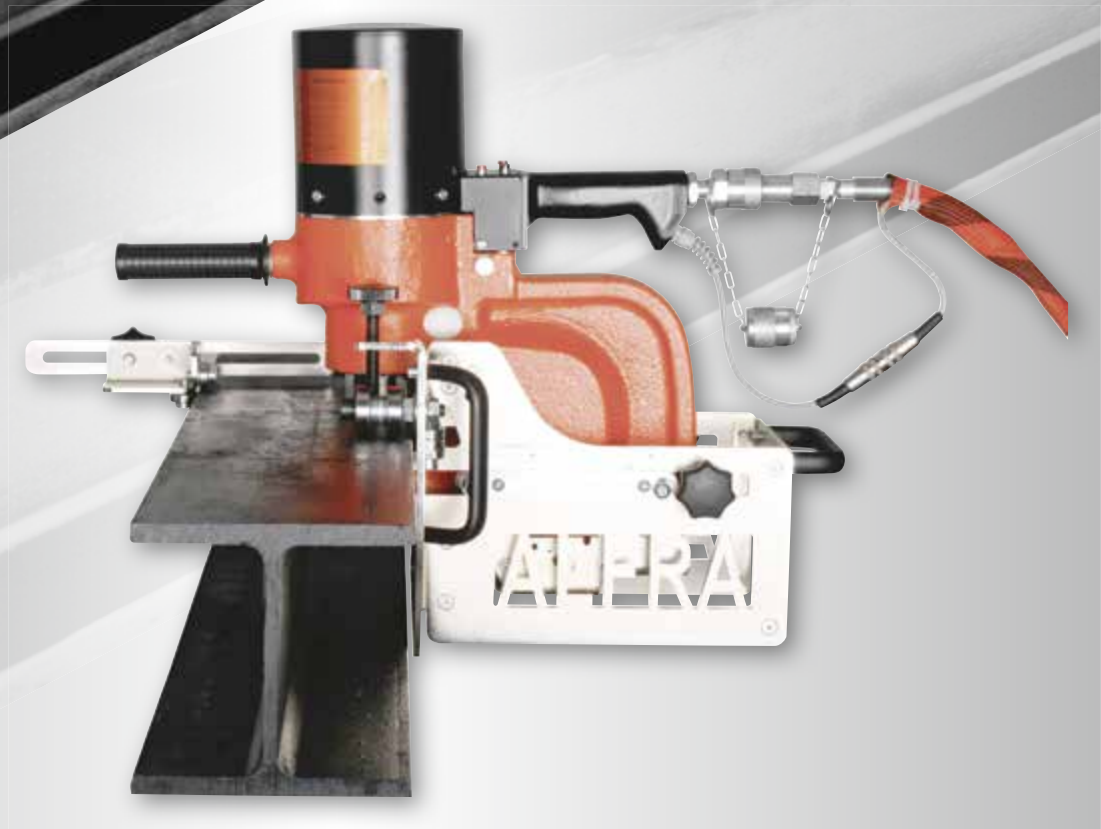


"I never have been able to bore holes so quickly and easily in steel beams!!

With the APS 120 and the new pump, I finished my project ahead of time."



- 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





APS 70

Page	58
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	61
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

59

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

61

23190

700 bar

1.7 l/min

2,200 W, 230 v (50 Hz)

3.0 l

34 kg



ALFRA-Press APS 70

Prod.-No.

23002

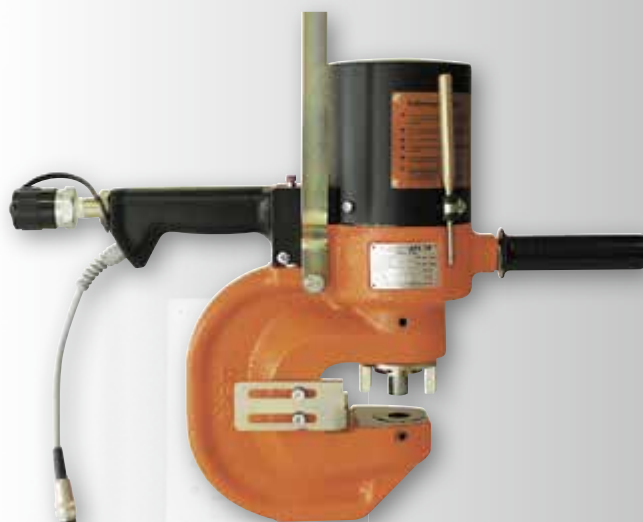
Hydraulic punching unit with
Automatic return using neoprene spring

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

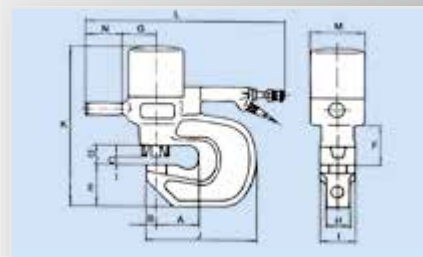
23016

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 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 5275	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.



- 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 32
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

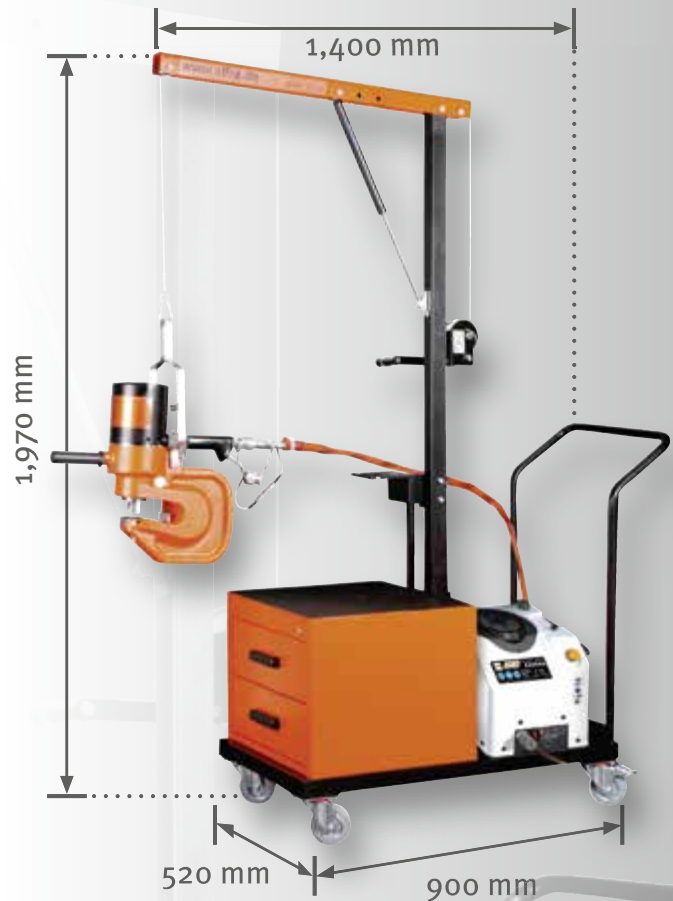
for hydraulic punching units APS of all types

This practical, time and energy-saving trolley makes handling of our ALFRA Press hydraulic punching units much easier. Absolutely necessary for every steel and metal worker wherever punching units are already in use.

- Gas pressure shock absorbers allow the easy positioning of the punching head on the steel bar.
- The hydraulic pump remains on the trolley, and must not be dragged along behind you.
- Work tool cabinet with drawers for the clear arrangement of punching work tools and accessories.
- Solid and secure, TÜV-tested design – and more cost-effective than any "DIY-build".
- Dimensions (L x W x H): 900 x 520 x 1,970 mm

Service-Boy
Complete with tool cabinet and drawers

Prod.-No.
23160



Prod.-No. 23160 (without punching unit / pump + accessories)

ALFRA – SPRING BALANCERS

For ALFRA-Press hydraulic hole punches

With **clamping device**, spring failure safety mechanism, wire rope hoist 2.0 m

		Prod.-No.
9362 B	15 - 20 kg	23150
9363 B	20 - 25 kg	23151
9366 B	35 - 45 kg	23152
9367 B	45 - 55 kg	23154
according to EN 15112		

Note:

The spring balancer should only be operated when the punching unit is suspended and/or under load.



Prod.-No. 23152

For all types of APS hydraulic punching units

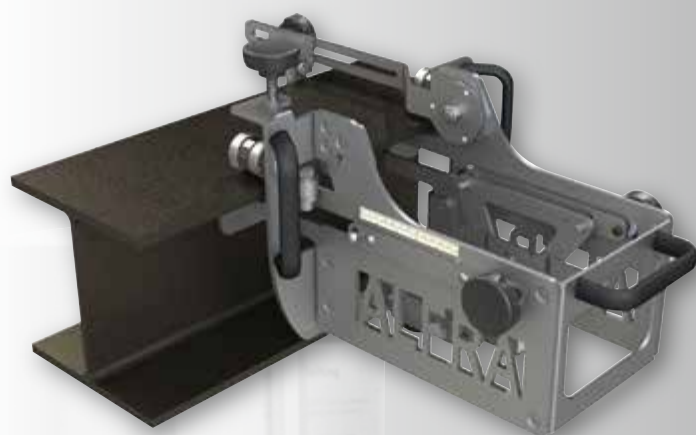
APS GO enables you to easily move our punching units over the steel bar

An adapter plate connects the punching unit to the moving system, and allows this to be removed at any time.

This generates enormous time savings, especially when punching at identical space intervals, as the measurement needs only to be set once, and the interval lengths are easy to measure.

Massive, solid heavy-duty rollers and the side-mounted hand grips enable completely effortless movement over the steel bar.

Dimensions (L x W x H): 700 x 355 x 280 mm
Weight: 14 kg / 30.8 lbs



APS Go

Prod.-No.
23155



Punch for

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

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

Dies for

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

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.

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
Other dimensions are available upon request

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