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ALFRA HYDRAULIC PUNCH – COMPACT FLEX HANDHYDRAULIK

Handy hand punch with hydraulic hose and cylinder. Aluminum design – weight only 2.0 kg • Made in Germany

- The perfect device if space is limited.

Capacity

Round holes up to	Ø 85 mm	sheet metal	2,0 mm F = 370 N/mm ²
	Ø 64 mm		3,0 mm F = 370 N/mm ²
Square holes	68 x 68 mm		2,0 mm F = 370 N/mm ²
Rectangular holes	36 x 112 mm		2,0 mm F = 370 N/mm ²
		Stainless steel	
Round holes up to	Ø 64 mm		2,5 mm F = 600 N/mm ²
Rectangular holes	68 x 68 mm		2,0 mm F = 600 N/mm ²

Weight:	2,0 kg
Punch pressure:	75 kN
Operating pressure:	650 bar
Hydraulic hose length:	600 mm

Scope of supply:	1 Compact Flex Hand Hydraulic Punch
	1 Hydraulic screw Ø 19,0 mm
	1 Hydraulic screw Ø 19,0 x 9,5 mm
	1 HSS-pre-drill Ø 11,0 mm
	1 distance bush, 3-pieces

Prod.-No.

Compact Flex Hand Hydraulic complete with transport case 02065

Compact Flex Hand Hydraulic Puncher, (unit) 02066



Prod.-No. 02065



Prod.-No. 02066

ALFRA HYDRAULIC PUNCHER – AEP-1 WITH FOOT PUMP

Made in Germany

- Max. operating pressure 700 bar.
- Built-in pressure control valve.
- For all round, square, rectangular and special-shape punchers.
- The foot pump leaves both hands free for exact positioning and punching on a switchgear cabinet. The foot pump carrier frame is spread. Safe standing, stability against tilting is therefore guaranteed.

Tank volume	270 cm ³
Useful oil volume	210 cm ³
Pump capacity	1.7 cm ³ per piston stroke

Content:	1 Hydraulic cylinder with quick-action clutch
	1 Hydraulic hose 2.8 m
	1 Hydraulic screw Ø 19.0 and 19.0 x 9.5 mm
	1 Set of distance bushes (5 pieces)
	1 Pre-drill Ø 11.0 mm
	without punches and dies

Prod.-No.

Complete in sheet steel transport boxes 02120

Individual foot pump, with 2.8 m hydraulic hose and quick coupling 02121

Option: Two-stage version 700 bar

- To reduce stroke running time
- With pressure control valve
- Lateral manometer connection hole 1/4" NPT
- Connection hole for hydraulic hose 1/4" NPT

Technical Data:

1. Stage	20 bar
2. Stage	700 bar
Pumping volume of 1st stage:	10.3 cm ³ per piston stroke
Pumping volume of 2nd stage:	2.2 cm ³ per piston stroke
Tank capacity:	500 cm ³

Foot pump, 2 stage, without hydraulic hose 02020



Prod.-No. 02120





ALFRA ELECTRO HYDRAULIC PUMP – AHP 03-01

Technical Data:

Motor tension:	230V / 50Hz (110V / 50/60Hz on request)
Motor capacity:	0.55 KW at 2.720 rpm.
Max. operating pressure:	700 bar (unpressurised circulation)
Flow rate:	0.62 l/min. at 60Hz 0.52 l/min. at 50Hz
Tank volume:	2.5 L (useable: 1.5 liter)
Temperature switch:	80°C +/- 5°
Weight:	17 kg
Dimension L x W x H:	330 x 180 x 350 mm

Prod.-No.

Electro hydraulic pump AHP 03-01, complete with hand-switch
2,0 m hydraulic hose and quick coupling

03853

Optional available:

Foot switch with 2-pedals; start-stop function

03866



Prod.-No. 03853

For all single-action hydraulic cylinders



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ALFRA HYDRAULIC PUNCHER – DSP-120

With electrohydraulic pump

Compact electric pump, two-stage operation with holding function for single-acting hydraulic cylinder.

Technical Data

Operating voltage:	230 V / 50 Hz
Motor power:	0.4 kW
Max. operating pressure:	700 bar
Pump capacity 0 - 20 bar:	2.0 l/min
Pump capacity 20 - 700 bar:	0.2 l/min
Tank volume:	1.2 l
Useful oil volume:	0.8 l
Weight approx:	7.5 kg

Prod.-No.

Electrohydraulic pump, complete with accessory

02025

Content:

- ① 1x Hydraulic cylinder with quick coupling
- ② 1x Hydraulic hose 1.8 m
- ③ 1x Hydraulic screw Ø 19.0 and 19.0 x 9.5 mm
- ④ 1x Distance bushes set multiple piece
- ⑤ 1x Pre-drill Ø 11,0 mm
- ⑥ 1x Hand switch without punches and dies

Electrohydraulic pump, units, 220 V, with 1.8 m hydraulic hose, quick coupling and hand switch, without hydraulic cylinder

02027

Foot switch 2-pedals

02029

Hand switch with 2 buttons

02030



Prod.-No. 02025

ALFRA AIR HYDRAULIC PUMP – LHP 700

Air-hydraulic pump up to 700 bar

Good-value alternative for existing air supply (min 2.8 bar)

for operating single-acting hydraulic cylinders for punchers, cable pliers, pressing devices or similar applications. Also suitable as drive for ALFRA PRESS 250 and 400.

- Robust tank
- Tank ventilation filter
- Reduced noise level
- Oil level indicator on the tank
- Precise starting under load is possible
- Exact control – the relief operated via pedestal valve allows an exact lowering of load
- Hydraulic hose 2.0 m with quick coupling

Technical Data:

Max. operating pressure:	700 bar
(for a feed pressure of 7 bar)	
Feed line pressure/working range	2.8 - 10 bar
Air connection:	1/4" G
Pump capacity, pressureless:	1.0 l/min
Pump capacity p max. (with 7 bar air):	0.1 l/min
Tank volume:	2.4 l
Useful oil volume:	2.1 l
Weight:	6.3 kg

Prod.-No.

Air-hydraulic pump, complete

02140



Prod.-No. 02140



ACCESSORIES – TIE BOLTS FOR HYDRAULIC OPERATION

Made in Germany by ALFRA



		Prod.-No.
Hydraulic screw	6.0 x 46 mm	02024
Adapter	19.0 x 6.0 mm	02023
Hydraulic screw compl.	19.0 x 6.0 mm	02022
Hydraulic screw	9.5 x 75 mm	02009
Adapter	19.0 x 9.5 mm	01353
Hydraulic screw compl.	19.0 x 9.5 mm	02003
Hydraulic screw compl.	19.0 x 9.5 mm *	02010
Hydraulic screw	11.1 x 75 mm	01424
Adapter	19.0 x 11.1 mm	01425
Hydraulic screw compl.	19.0 x 11.1 mm	02007
Hydraulic screw compl.	19.0 x 11.1 mm *	02011
Hydraulic screw	19.0 x 120 mm	02002

* Hydraulic screw made out of high-alloy tool steel for heavier duty application



ACCESSORIES – FOR HYDRAULIC PUMPS

		Prod.-No.
Hydraulic hose for AEP-1 foot pump	2.80 m	02122
Hydraulic hose for LHP 700	2.00 m	02112
Hydraulic hose for DSP 120	2.50 m	02026
Hydraulic hose for AHP 03-01	2.00 m	02116
Hydraulic hose for Compact Flex	0.60 m	02117



ACCESSORIES – FOR HYDRAULIC CYLINDER

	Prod.-No.
Hydraulic cylinder SKP-1 with quick coupling (up to 11 t)	02012
Weight 2,5 kg	
Hydraulic cylinder SKP-1 Mini with quick coupling (up to 7 t)	02013
Weight 0,86 kg only, Square holes up tp 68 x 68 mm	
Distance bushes set (5 pieces)	02014
Pre-drill Ø 10.0 mm	08036
Pre-drill Ø 11.0 mm	08023
Pre-drill Ø 11.5 mm	08035
Pre-drill SVB with 5 drill Ø 8.5/11.5/12.5/16.5/21.0 mm	08016
Steel-sheet transport box for foot pump	02124
L x W x H: 500 x 260 x 180 mm	



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QUICK CONNECTION COUPLINGS – FOR ALFRA HYDRAULIC DEVICES

- non-drip coupling and decoupling
- handy operability
- dust protection cap
- operating pressure up to 1000 bar

	Prod.-No.
Locking coupling with internal threads 1/4" (mounted on hose end)	01452
Closing nipple with internal threads 1/4" (mounted on cylinder)	01453
Adapter R 1/4" outside thread	01454



Prod.-No. 01453



Prod.-No. 01452

HYDRAULIC OIL – FOR ALFRA HYDRAULIC PUMPS

For refilling all hydraulic pumps

	Prod.-No.
1 Litre hydraulic oil HLP 46	01455

Caution:
Observe extreme cleanliness when refilling hydraulic units!



Prod.-No. 01455

ALFRA – SPECIAL METAL LUBRICATING PASTE

Against seizure and wear

Fields of application:

- Prevents seizure, wear, cold-welding, fusing and fretting corrosion of the threads of screws, nuts, bolts, pipe threads and fittings.
- ALFRA special metal lubricating paste is excellently suitable for lubricating the cutting tips for punching tools and heavy-duty stress on bearing and sliding surfaces.
- Active separation and silicon-free.
- Content: 120 g

	Prod.-No.
ALFRA special metal lubricating paste	33005

Certainly recommendable for application of punchers by means of screw spanners.



Prod.-No. 33005