



INDUSTRY 4.0

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ABSOLUTE  
QUALITY  
MADE IN  
FINLAND

# FP145

Big brother of the famous FP120 with more force, bigger opening and larger dies. The 140-series die system with adaptor dies makes an excellent choice for large, medium and even small size fittings.

FP145 is an ideal machine for 2" 6-wire hoses and also for medium range industrial hoses. FP145 is available with separate hydraulic unit or as a compact model. With separate hydraulic unit, access to the back side of the machine is free, when part feeding from the back is needed.

## TECHNICAL DATA

Max crimping dia (mm/inch) <sup>1)</sup>	124/4.88
Max crimping dia with master dies (mm/inch)	150/5.9
Max. crimping force (kN)	3500
Max. crimping force (tonnage)	350
Cycle time 10 mm (s) <sup>2)</sup>	2.5
Hydraulic hose size (inch)	2 ½ *
Industrial hose size (inch)	4.88 *
Die set series	32 / 140/145
Max. opening (mm) <sup>3)</sup>	+82
Max. opening without dies (mm)	222
Master die D/L (mm)	140/116
Master die D/L (inch)	5.52/4.57
Motor Power (kW/HP)	6.5/8.8
Oil tank volume	135 l

## DIMENSIONS (LxWxH)

Machine (mm)	881x683x1561
Hydraulic Unit (mm)	782x753x1043
Machine (inch)	34.7x26.9x61.5
Hydraulic Unit (inch)	30.8x29.6x41.0

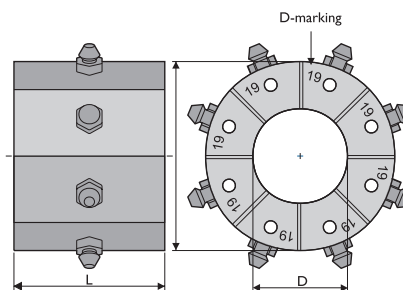
## WEIGHT (KG/LBS)

Machine	1053/2317
Hydraulic Unit	220/484

\* ACCORDING TO THE FITTING.



Side die rack as an option, 5 slots (Compact only)



- 1) With standard dies. Crimping range can be increased with special dies.
- 2) Theoretical with 10 mm cycle.
- 3) Maximum opening is the total die travel. Add this value to the minimum crimping diameter of the die set used. The result is the maximum opening of the machine with die set in place.

Power supply cable not included.

## CONTROL

ICC (7" touchscreen) or  
SCC (5" touchscreen)

## STANDARD FEATURES

QuickChange-tool (part no 701049)  
Electric backstop device (part no 705183)  
Mirror (part no 054010)  
Adapter dies for 32-series dies (part no 704631)  
Die racks (part no: 721486)  
The same part goes for right and left.  
Pressure crimping (ICC only)  
Step crimping

## OPTIONS (SCC & ICC)

Foot pedal (part no 691563)  
Side table (part no: 719216 (right), 719152 (left))  
Side die rack, 5 slots (Compact only) (part no 717685)  
Die rack, 9 slots (part no: 721486)  
The same part goes for right and left.  
Mechanical back stop device (part no 704920)  
Interface pack ETH (Communication TCP/IP & UDP)  
Oil cooler J3 \*\*  
Pinning support mandrel  
Horizontal Back layout HB  
Horizontal Side layout HS

\*\* Will have impact on motor size, hydraulic unit dimensions and weight

## OPTIONS (ICC ONLY)

Smart die rack SDR  
(8 or 16 slot model available for 32-series dies)  
Quality control ICC3  
Graphical quality control ICC4  
Auto greasing G3  
Bar Code Reader BCR  
Speed adjustment \*\*  
Oil Condition Monitoring OCM  
Industry 4.0  
A3 signal  
Camera with 7" display

\*\* Will have impact on motor size, hydraulic unit dimensions and weight.

## DIE SET 145-SERIES

DieSetNo	D (mm)	L (mm)	Crimp. range (mm)
18860/84/120	84	120	84.0-92.0
18860/92/120	92	120	92.0-100.0
18860/100/120	100	120	100.0-108.0
18860/108/120	108	120	108.0-116.0
18860/116/120	116	120	116.0-124.0

## DIE SET 32-SERIES

DieSetNo	D (mm)	L (mm)	Crimp. range (mm)
18506/10	10	55	10.0-12.0
18506/12	12	55	12.0-14.0
18506/14	14	55	14.0-16.0
18506/16	16	55	16.0-19.0
18506/19	19	55	19.0-22.0
18506/22	22	70	22.0-26.0
18506/26	26	70	26.0-30.0
18506/30	30	70	30.0-34.0
18506/34	34	75	34.0-39.0
18506/39	39	75	39.0-45.0
18506/45	45	90	45.0-51.0
18506/51	51	90	51.0-57.0
18506/57	57	100	57.0-63.0
18506/63/120	63	120	63.0-69.0
18506/69/120	69	120	69.0-75.0
18506/74/120	74	120	74.0-80.0
18506/78/120	78	120	78.0-87.0

In addition to the standard die sets, a wide range of special die sets is available on request.