

# Hose Assembly Machines

# IMM



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## Machine Catalogue

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# Need help choosing a swaging machine?

Do you want a Hand, Air or Power machine?

Key:

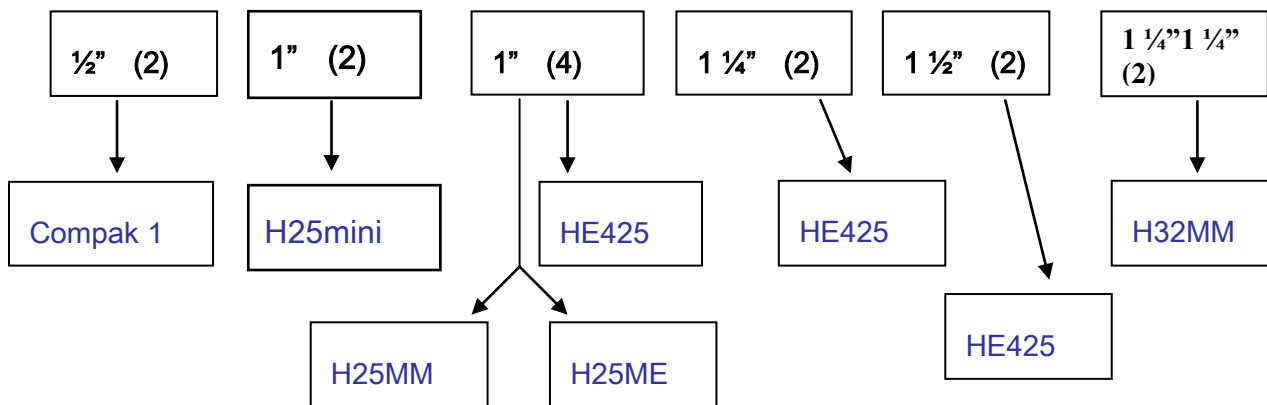
(2) = 2 wire

(4) = 4 wire

(6) = 6 wire

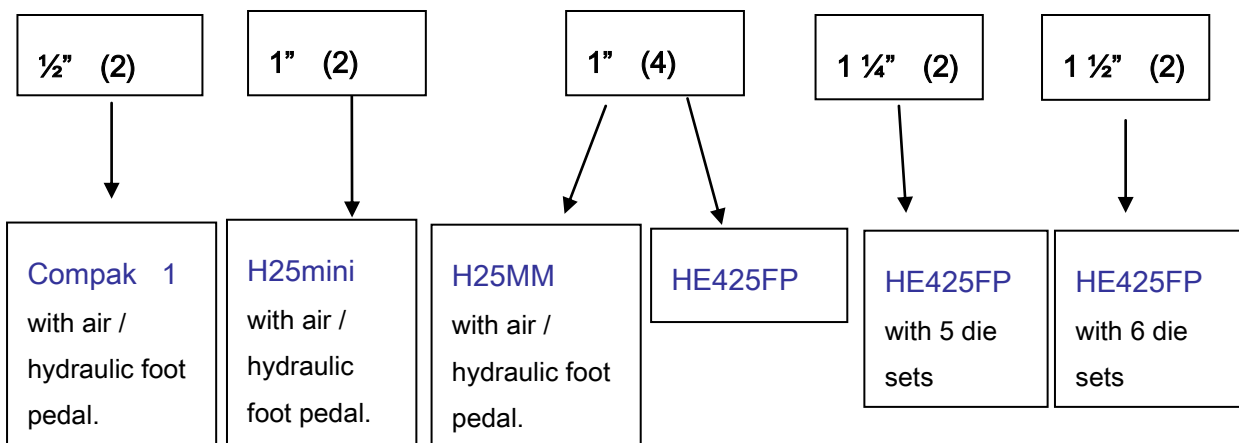
## Hand

What is the maximum hose size you want to swage / crimp? (check finished swage size required too → see individual datasheets of the machines).



## Air

What is the maximum hose size you want to swage / crimp? (check finished swage size required too → see individual datasheets of the machines).





# 2010 – Typical Machine Products



## COMPACT 1

Capacity – R1AT & R2AT  
1/4" – 1/2" (2 wire)



## HE425

Capacity – R1AT & R2AT  
3/16" – 1 1/2" (2 wire)  
R9R/4SP 3/16" – 1" (4 wire)



## H25MM

Capacity – R1AT & R2AT  
3/16" – 1 1/4" (2 wire)  
R9R/4SP 3/16" – 1" (4 wire)



## H25B4

Capacity - R9R/4SP  
3/16" 1" (4 wire)



## H32BE4

Capacity - R9R/4SP  
3/16" – 1 1/4" (4 wire)



## H50CE4

Capacity - R9R/4SP  
3/16" – 2" (4 wire)



## H32M4 Mobile (12V)

Capacity - R9R/4SP  
3/16" – 1 1/4" (4 wire)



## H50MT4 Mobile (12V)

Capacity - R9R/4SP  
3/16" – 2" (4 wire)



## Hose Cutting Machine

Model HCL



## Hose Cutting Machine

HCC capacity 2" (4 wire)

HCC3 capacity 2" (6 wire)



## Hand Skiving Machine

Capacity 2" internal & external



## Skiving Machine HS2

Capacity 2" internal & external

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# Compak 1

## Product Specification

Light weight machine suitable for hydraulic, thermoplastic and brake hoses.



- **Hose Capacity:** R1AT & R2AT  
1/4" - 1/2" (2 wire)
- **Standard die set supplied:**  
1/4" - 1/2" (Integral)
- **Swaging range:** 17 – 27mm  
(standard die set)
- **Other die sizes available:** Any 10mm range between 5 – 35mm possible. Call to discuss.
- **Calibration:** Hydralok direct dial micrometer adjustment
- **Operation:** by twin speed hand pump with integral relief valve
- **Pump Rating:** 700 Bar (10,000 psi)
- Machine incorporates a **cut-out for 90 degree fittings** as on all Hydralok swaging machines.
- **Option:** Air/Hydraulic foot pump to replace hand pump 5.5 - 7 Bar input (80-100 PSI)
- **Additional die sets available:** for 1 piece fittings, Freon, PTFE & other special applications
- **Packed Dimensions:** 600mm x 400mm x 500mm
- **Net Weight:** 23 kgs                      **Gross Weight:** 29 kgs

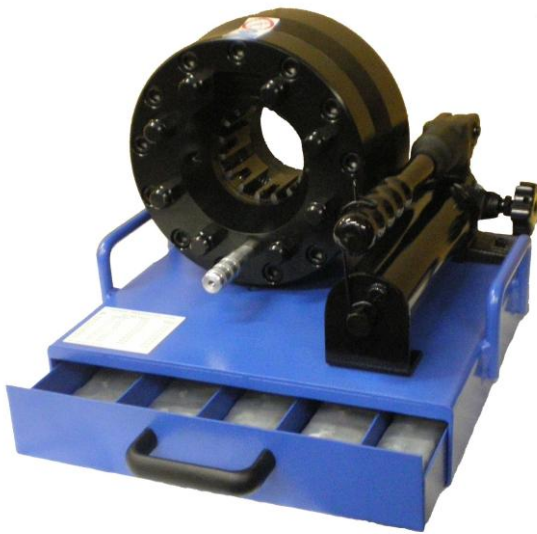
### Compak 1 Die Chart

	Swage Range (mm)	Length (mm)
Integral	17 - 27	37
Maximum opening 67mm		

Dies Available from 5-15,6.5-16.5, 7-17,9-19,12-22,13-23,14-24,16-26,17,-27,20-30,25-35,

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## H25Mini – Manually Operated (micrometer)



### Product Specification

Horizontal annular head. Easy slide-in die location & simple calibration system. c/w die holder drawer

- **Hose Capacity:** 3/16" - 1 " R1AT & R2AT (2 wire)
  - **Swaging range of machine:** See chart below
  - **Standard Die sets supplied with machine:** 1/4" - 1", 5 sets (A16 - A40),
  - **Die location:** Easy fit - Slide in dies
  - **Calibration:** Micrometer
- **Additional die sets available:** for 1 piece fittings, freon, PTFE and other special applications
  - **Option:** Air/Hydraulic foot pump to replace hand pump. 5.5 - 7 bar input (80-100 psi)
  - **Crimping force 1000 kN.**
  - **Double elbows ( 90 deg) fittings – up to & including 1" – possible (with removal of one die segment.)**
  - **Packed Dimensions:** 600 x 400 x 500    **Gross weight:** 64 kgs    **Net Weight:** 39kgs

### H25Mini DIE CHART

Die No.	Range(mm)	Length	Ferrule Dia max.
*A06	6.0 - 7.9	40.00	18.00
*A08	8.0 - 9.9	40.00	20.00
*A10	10.0 - 12.9	40.00	22.00
*A13	13.0 - 15.9	40.00	25.00
A16	16.0 - 21.9	40.00	28.00
A22	22.0 – 27.9	50.00	34.00
A28	28.0 – 33.9	50.00	40.00
A34	34.0 – 39.9	60.00	46.00
A40	40.0 – 45.9	60.00	52.00
Max opening without die 80mm dia – with die+24.6mm			
<i>*These dies are not supplied as standard</i>			

## HE425 – Manually Operated



### Product Specification

New improved 1" hand machine: easy die location & simple calibration system. Up to 1 1/2", 2 wire capacity.

- **Hose Capacity:** R1AT & R2AT 3/16" to 1 1/2" (2 wire) R9R/4SP up to 1" (4 wire)
- **Swaging range of machine:** See chart below
- **Standard die sets supplied with machine:** 5 sets 1/4" - 1", (H16-H40).
- **Die location:** Easy fit - Slide in dies
- **Calibration:** Micrometer
- **Operation:** by a Twin Speed Hand Pump with integral relief valve
- **Pump rating:** 700 bar (10,000 PSI)
- **Additional die sets available:** for 1 piece fitting, freon, PTFE and other special applications
- **Option:** HE425FP with Air/Hydraulic foot pump of 5.5 - 7 bar input (80-100 PSI) to replace hand pump.
- **Packed Dimensions:** 790 x 600 x 900mm **Net Weight:** 72kgs **Gross Weight:** 96kgs

**HE425 Die Chart**

Die No.	Range (mm)	Length (mm)	Ferrule Ø max mm
*06	06.0 -07.9	40.00	18.00
*08	08.0 -09.9	40.00	20.00
*10	10.0 -12.9	40.00	22.00
*13	13.0 -15.9	40.00	25.00
16	16.0 -21.9	40.00	28.00
*19	19.0 - 21.9	40.00	31.00
22	22.0 -27.9	50.00	34.00
*26	26.0 - 29.9	50.00	38.00
28	28.0 -33.9	60.00	40.00
*30	30.0 - 33.9	60.00	42.00
34	34.0 -39.9	70.00	46.00
40	40.0 -45.9	70.00	52.00
*46	46.0 -51.9	75.00	58.00
*52	52.0-57.9	75.00	64.00

\* These dies not supplied as standard

## HE425FP – Air/Hydraulic Operation



### Product Specification

**Air / Hydraulic foot operated version of HE425**

- **Hose Capacity:** R1AT & R2AT 3/16" to 1 1/2" (2 wire) R9R/4SP up to 1" (4 wire)
- **Swaging range of machine:** See chart below.
- **Standard Die sets supplied with machine:** 1/4" - 1", 5 sets (H16 - H40).
- **Die location:** Easy fit - Slide in dies
- **Calibration:** Micrometer
- **Operation:** by an Air/Hydraulic foot pump.
- **Pump Rating:** Maximum air pressure 10 bar (100 PSI)
- **Additional die sets available:** for 1 piece fitting, freon, PTFE and other special applications
- **Option:** HE425 with hand pump of 700 Bar (10,000 PSI) to replace Air/Hydraulic foot pedal.
- **Packed Dimensions:** 790 x 600 x 900mm **Net Weight:** 72kgs  
**Gross Weight:** 96kgs

**HE425FP Die Chart**

Die No.	Range (mm)	Length (mm)	Ferrule Ø max mm
*06	06.0 -07.9	40.00	18.00
*08	08.0 -09.9	40.00	20.00
*10	10.0 -12.9	40.00	22.00
*13	13.0 -15.9	40.00	25.00
16	16.0 -21.9	40.00	28.00
*19	19.0 - 21.9	40.00	31.00
22	22.0 -27.9	50.00	34.00
*26	26.0 - 29.9	50.00	38.00
28	28.0 -33.9	60.00	40.00
*30	30.0 - 33.9	60.00	42.00
34	34.0 -39.9	70.00	46.00
40	40.0 -45.9	70.00	52.00
*46	46.0 -51.9	75.00	58.00
*52	52.0-57.9	75.00	64.00

\* These dies not supplied as standard

# H25MM – Manually Operated (micrometer)

## Product Specification



**Horizontal annular head. Easy slide-in die location & simple calibration system.**

- **Hose Capacity:** 3/16" - 1 1/4" R1AT & R2AT (2 wire) and up to 1" R9R/4SP (4 wire).
- **Swaging range of machine:** See chart below
- **Standard Die sets supplied with machine:** 1/4" - 1", 5 sets (H16 - H40),
- **Die location:** Easy fit - Slide in dies
- **Calibration:** Micrometer
- **Operation:** by a Twin Speed Hand Pump with integral relief valve.
- **Pump rating:** 700 bar (10,000 psi)
- **Additional die sets available:** for 1 piece fittings, freon, PTFE and other special applications
- **Option:** Air/Hydraulic foot pump to replace hand pump. 5.5 - 7 bar input (80-100 psi)
- **Packed Dimensions:** 790 x 600 x 900mm
- **Net Weight:** 53kgs      **Gross Weight:** 79kgs

**H25MM Die Chart**

Die No.	Range (mm)	Length	Ferrule Dia max.
*H06	6.0 - 7.9	40.00	18.00
*H08	8.0 - 9.9	40.00	20.00
*H10	10.0 - 12.9	40.00	22.00
*H13	13.0 - 15.9	40.00	25.00
H16	16.0 - 18.9	40.00	28.00
*H19	19.0 - 21.9	40.00	31.00
H22	22.0 - 25.9	50.00	34.00
*H26	26.0 - 29.9	50.00	38.00
H28	28.0 - 33.9	60.00	40.00
*H30	30.0 - 33.9	60.00	42.00
H34	34.0 - 39.9	70.00	46.00
H40	40.0 - 45.9	70.00	52.00
*H46	46.0 - 51.9	75.00	58.00
*H52	52.0 - 57.9	75.00	64.00
Maximum opening Diameter 100mm			
<i>*These dies are not supplied as standard</i>			

## H25B4 – Electrically Operated



### Product Specification

**Most economic electric 1" 4 wire machine with single speed pump.**

- **Hose capacity:** 3/16" - 1" R9R/4SP (4 wire)
- **Swaging Range of machine:** See chart below.
- **Standard die sets supplied with the machine:** 5 sets: 16, 22, 28, 34, 40.
- **Calibration:** Digital position indicator.
- **Control:** push-button
- **Max Opening:** +31.6mm
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.

- **Motor:** 2.2kw
- **Swaging Force:** 1750kN
- **Max Cycle Time:** (O-C) 12 Sec      **Max Cycle Time:** (C-O) 9 Sec
- **Voltages 3 phase:** 220/240-380/440 50Hz    225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE
- **Option:** Twin speed Hydraulic Power Pack of  
Max Cycle Time (O-C) 4 Sec    Max Cycle Time (C-O) 10 Sec
- **Packed Dimensions:** 790mm x 600mm x 900mm
- **Net Weight:** 111kgs      **Gross weight:** 135 kgs

### H25B4 Die Chart

Die No.	Range (mm)	Length	Ferrule Dia Max	Die No.	Range (mm)	Length	Ferrule dia Max
*06	6.0-7.9	40.00	18.00	*26	26.0-29.9	50.00	38.00
*08	8.0 -9.9	40.00	20.00	<b>28</b>	28.0-33.9	60.00	40.00
*10	10.0-12.9	40.00	22.00	*30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	<b>34</b>	34.0-39.9	70.00	46.00
<b>16</b>	16.0-18.9	40.00	28.00	<b>40</b>	40.0-45.9	70.00	52.00
*19	19.0-21.9	40.00	31.00	*46	46.0-51.9	75.00	58.00
<b>22</b>	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

\* These dies not supplied as standard

## H32MM - Manually Operated (micrometer)



### Product Specification

Large capacity hand machine with twin-speed hand pump. Will swage up to 1 1/4" 4 wire or 1 1/2" 2 wire.

- **Hose Capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire), 1 1/2" R1AT/R2AT (2 wire)
- **Swaging range of machine:** See chart below.
- **Standard dies supplied with machine:** 7 sets: 16, 22, 28, 34, 40, 46, 52.
- **Die location:** Easy fit - Slide in dies
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.
- **Calibration:** Micrometer
- **Operation:** by a Twin Speed Hand Pump with integral relief valve.
- **Pump rating:** 315 bar (4600 psi)
- **Additional die sets available:** for 1 piece fitting, freon, PTFE and other special applications
- **Option:** Air/Hydraulic foot pump to replace hand pump. Input pressure maximum 3 bar (45 psi).
- **Packed Dimensions:** 790mm x 600mm x 900mm
- **Net Weight:** 64.5 kgs      **Gross weight:** 90 kgs

### H32MM Die Chart

Die No.	Range (mm)	Length (mm)	Ferrule Ø max (mm)	Die No.	Range (mm)	Length (mm)	Ferrule Ø max (mm)
*06	06.0-07.9	40.00	18.00	*26	26.0-29.9	50.00	38.00
*08	08.0-09.9	40.00	20.00	28	28.0-33.9	60.00	40.00
*10	10.0-12.9	40.00	22.00	*30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
*19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	52	52.0-57.9	75.00	64.00

\*These dies not supplied as standard



## H32BE4 – Electrically Operated



## Product Specification

- Standard 1 1/4" 4 wire machine with twin-speed pump.
- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
- **Swaging Range of machine:** See chart below
- **Standard die sets supplied with machine:** 8 sets - 16, 19, 22, 26, 30, 34, 40, 46
- **Calibration:** Electronic Calibration/ Digital position indicator
- **Control:** Push Button
- **Max Opening:** +31.6mm

Our **new** standard electronic control system now features on all B Range electric machines and has **new features including:** Digital display screen, easy jog wheel and hose swage size setting.

- **Motor:** 2.2kw
- **Swaging Force:** 1750kN
- **Max Cycle Time (O-C)** 4 Sec      **Max Cycle Time (C-O)** 8.5 Sec
- **Voltages 3 phase:** 220/240-380/440 50Hz      225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other
- **Option:** H32CE4
- **Packed Dimensions:** 790 x 600 x 900 mm      **Gross Weight:** 130kg

### H32BE4 DIE CHART

Die No	Range (mm)	Length (mm)	Ferrule Dia Max	Die No	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0-07.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0 -09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.0012.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

\* These dies not supplied as standard



## H32BE4Q – Electrically Operated



### Product Specification

**Standard 1 1/4" 4 wire machine with twin-speed pump, quick-change die tool and base**

- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
- **Swaging Range of machine:** See chart below
- **Standard die sets supplied with machine:** 8 sets - 16, 19, 22, 26, 30, 34, 40, 46
- **Calibration:** Electronic Calibration/ Digital position indicator
- **Control:** Push Button
- **Max Opening:** +31.6mm
- **Motor:** 2.2kw

Our **new** standard electronic control system now features on all B Range electric machines and has **new features including:** Digital display screen, easy jog wheel and hose swage size setting.

- **Swaging Force:** 1750kN
- **Max Cycle Time (O-C)** 4 Sec      **Max Cycle Time (C-O)** 8.5 Sec
- **Voltages 3 phase:** 220/240-380/440 50Hz      225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other
- **Option:** H32CE4
- **Packed Dimensions:** 2 x pallets 79x60x90cm **Gross Weight:** 195kg

#### H32BE4Q DIE CHART

Die No	Range (mm)	Length (mm)	Ferrule Dia Max	Die No	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0-07.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0 -09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.0012.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

- *These dies not supplied as standard*

## H32B4 – Electrically Operated

## Product Specification



Standard 1 1/4" 4 wire machine with twin-speed pump.

- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
- **Swaging Range of machine:** See chart below
- **Standard die sets supplied with machine:** 8 sets - 16, 19, 22, 26, 30, 34, 40, 46
- **Calibration:** Digital position indicator
- **Control:** Push Button
- **Max Opening:** +31.6mm
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.

- **Motor:** 2.2kw
- **Swaging Force:** 1750kN
- **Max Cycle Time (O-C)** 4 Sec    **Max Cycle Time (C-O)** 10 Sec
- **Voltages 3 phase:** 220/240-380/440 50Hz    225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other
- **Options:** **H32B4Q** version with quick-change die tool and rack.  
**H32C4** version with foot pedal and stroke control.  
**H32C4Q** version with foot pedal, stroke control, quick-change die tool and rack.  
**Packed Dimensions:** 790mm x 600mm x 900mm    **Net Weight:** 111 kgs  
**Gross weight:** 138 kgs

### H32B4 Die Chart

Die No	Range (mm)	Length (mm)	Ferrule Dia Max	Die No	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0-07.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0 -09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.0012.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

\* These dies not supplied as standard

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## H32B4Q – Electrically Operated



### Product Specification

**Standard 1 1/4" 4 wire machine with twin-speed pump, quick-change die tool and base**

- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
- **Swaging Range of machine:** See chart below
- **Standard die sets supplied with machine:** 8 sets - 16, 19, 22, 26, 30, 34, 40, 46
- **Calibration:** Digital position indicator
- **Control:** Push Button
- **Max Opening:** +31.6mm
- **Motor:** 2.2kw
- **Swaging Force:** 1750kN
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.

- **Max Cycle Time (O-C)** 4 Sec    **Max Cycle Time (C-O)** 10 Sec
- **Voltages 3 phase:** 220/240-380/440 50Hz    225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other
- **Options:** H32C4 version with foot pedal and stroke control.  
H32C4Q version with foot pedal, stroke control, quick-change die tool and rack.
- **Packed Dimensions:** 790 x 600 x 900 mm
- **Gross Weight:** 180kg

### H32B4 Die Chart

Die No	Range (mm)	Length (mm)	Ferrule Dia Max	Die No	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0-07.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0 -09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.0012.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

*\*These dies not supplied as standard*

*NB: No. of dies and die inserts depends on model ordered*

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**NEW**

## H32CE4 – Electrically Operated



## Product Specification

**Semi-automatic 1 1/4" 4 wire machine complete with foot pedal, stroke control & twin-speed pump.**

- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
- **Swaging Range of machine:** See chart below
- **Standard die sets supplied with machine:** 8 sets: 16, 19, 22, 26, 30, 34, 40, 46
- **Calibration:** Electronic Calibration/ Digital position indicator
- **Control:** Push-button with foot pedal and stroke control.

Our **new** superior electronic control system now standard on all single and three phase C range electric machines has **many new features including:** Digital display screen, easy jog wheel setting, storage of swage sizes, hose counter, easy calibration and many more.

- **Max Opening** +31.6mm
- **Motor:** 2.2kw
- **Swaging Force:** 1750KN
- **Max Cycle Time (O-C)** 4 Sec    **Max Cycle Time (C-O)** 4 Sec
- **Voltages 1 phase:** 220/240 50Hz
- **Voltages 3 phase:** 220/240-380/440 50Hz    225/280/440/480 60Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other
- **Mirror included**
- **Option:** H32B4 without foot pedal / stroke control
- **Packed Dimensions:** 790 x 600 x 900 mm    **Gross Weight:** 130kg

### H32CE4 DIE CHART

Die No.	Range (mm)	Length (mm)	Ferrule Dia Max	Die No.	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0-07.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0 -09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.0012.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

- *These dies not supplied as standard*

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**NEW**

## H32CE4Q – Electrically Operated

### Product Specification



Semi-automatic 1 1/4" 4 wire machine complete with foot pedal, stroke control & twin-speed pump, quick-change die tool and base.

- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
- **Swaging Range of machine:** See chart below
- **Standard die sets supplied with machine:** 8 sets: 16, 19, 22, 26, 30, 34, 40, 46
- **Calibration:** Electronic Calibration/ Digital position indicator
- **Control:** Push-button with foot pedal and stroke control.
- **Max Opening** +31.6mm
- **Motor:** 2.2kw

Our **new** superior electronic control system now standard on all single and three phase C range electric machines has **many new features including:** Digital display screen, easy jog wheel setting, storage of swage sizes, hose counter, easy calibration and many more.

- **Swaging Force:** 1750KN
- **Max Cycle Time (O-C)** 4 Sec    **Max Cycle Time (C-O)** 4 Sec
- **Voltages 1 phase:** 220/240 50Hz
- **Voltages 3 phase:** 220/240-380/440 50Hz    225/280/440/480 60Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other
- **Mirror included**
- **Option:** H32B4 without foot pedal / stroke control
- **Packed Dimensions:** 2 x pallets 79 x 60 x 90 cm                      **Gross Weight:** 195kg

### H32CE4 DIE CHART

Die No.	Range (mm)	Length (mm)	Ferrule Dia Max	Die No.	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0-07.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0-09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.00-12.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

\* These dies not supplied as standard

## H32C4 – Electrically Operated



### Product Specification

**Semi-automatic 1 1/4" 4 wire machine complete with foot pedal, stroke control & twin-speed pump.**

- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
  - **Swaging Range of machine:** See chart below
  - **Standard die sets supplied with machine:** 8 sets: 16, 19, 22, 26, 30, 34, 40, 46
  - **Calibration:** Digital position indicator
  - **Control:** Push-button with foot pedal and stroke control.
- **Max Opening** +31.6mm
  - **Motor:** 2.2kw
  - **Swaging Force:** 1750KN
  - **Max Cycle Time (O-C) 4 Sec Max Cycle Time (C-O) 10 Sec**
  - **Voltages 1 phase:** 220/240 50Hz
  - **Voltages 3 phase:** 220/240-380/440 50Hz 225/280/440/480 60Hz
  - **Additional die sets available:** 1 piece, Freon, PTFE & other
  - **Option:** H32B4 without foot pedal / stroke control
  - **Packed Dimensions:** 790 x 600 x 900 mm
  - **Gross Weight:** 130kg

### H32C4 DIE CHART

Die No.	Range (mm)	Length (mm)	Ferrule Dia Max	Die No.	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0-07.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0 -09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.0012.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

\* These dies not supplied as standard

## H32C4Q – Electrically Operated



### Product Specification

**Semi-automatic 1 1/4" 4 wire machine complete with foot pedal, stroke control & twin-speed pump, quick-change die tool and base.**

- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
  - **Swaging Range of machine:** See chart below
  - **Standard die sets supplied with machine:** 8 sets: 16, 19, 22, 26, 30, 34, 40, 46
  - **Calibration:** Digital position indicator
  - **Control:** Push-button with foot pedal and stroke control.
  - **Max Opening** +31.6mm
  - **Motor:** 2.2kw
- **Swaging Force:** 1750KN
  - **Max Cycle Time (O-C)** 4 Sec **Max Cycle Time (C-O)** 10 Sec
  - **Voltages 1 phase:** 220/240 50Hz
  - **Voltages 3 phase:** 220/240-380/440 50Hz 225/280/440/480 60Hz
  - **Additional die sets available:** 1 piece, Freon, PTFE & other
  - **Option:** H32B4 without foot pedal / stroke control
  - **Packed Dimensions:** 790 x 600 x 900 mm
  - **Gross Weight:** 195kg

### H32C4 DIE CHART

Die No.	Range (mm)	Length (mm)	Ferrule Dia Max	Die No.	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0-07.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0 -09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.0012.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

\* These dies not supplied as standard

## H32M4 – Electrically Operated 12 Volt D.C.



### Product Specification

Most economic 12 V 1 1/4 " 4 wire machine with single speed pump.

- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
- **Swaging range of machine:** See chart below.
- **Standard die sets supplied with machine:** 8 sets - 16, 19, 22, 26, 30, 34, 40, 46.
- **Calibration:** Digital position indicator
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.
- **Control:** Push-button.
- **Max opening +31.6mm Motor:** 2.2Kw
- **Swaging force:** 1750 kN
- **Max cycle time:** (O-C) 10 Sec     **Max Cycle time:** (C-O) 12 Sec
- **Voltage:** 12 Volt D.C.
- **Additional die sets available:** for 1 piece fittings, Freon, PTFE & other special applications
- **Option:** H32MT4 with twin-speed power pack of:  
Max cycle times (O-C) 3 Sec (C-O) 10 Sec
- **Packed Dimensions:** 790mm x 600mm x 900mm     **Net Weight:** 94 kgs  
**Gross weight:** 121 kgs

### H32M4 Die Chart

Die No	Range (mm)	Length (mm)	Ferrule Dia Max	Die No	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0 -7.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0 -09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.0 -12.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0 -15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0 -18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0 -21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

\*These dies not supplied as standard

# H32MT4 – Electrically Operated 12 Volt D.C.

## Product Specification



**Twin-speed 12V 1 1/4" 4 wire machine with faster cycle times.**

- **Hose capacity:** 3/16" - 1 1/4" R9R/4SP (4 wire)
- **Swaging range of machine:** See chart below.
- **Standard die sets supplied with machine:** 8 sets - 16, 19, 22, 26, 30, 34, 40, 46.
- **Calibration:** Digital position indicator
- **Control:** Push-button.
- **Max opening** +31.6mm
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.
- **Motor:** 2.2Kw
- **Swaging force:** 1750 kN
- **Max cycle time:** (O-C) 3 Sec      **Max Cycle time:** (C-O) 10 Sec
- **Voltage:** 12 Volt D.C.
- **Additional die sets available:** for 1 piece fittings, Freon, PTFE & other special applications
- **Option:** H32M4 with single-speed power pack of:      Max cycle times  
(O-C) 10 Sec      (C-O) 12 Sec
- **Packed Dimensions:** 790mm x 600mm x 900mm      **Net Weight:** 99 kgs  
**Gross weight:** 126 kgs

## H32MT4 Die Chart

Die No	Range (mm)	Length (mm)	Ferrule Dia Max	Die No	Range (mm)	Length (mm)	Ferrule Dia Max
*06	06.0 -07.9	40.00	18.00	26	26.0-29.9	50.00	38.00
*08	08.0 -09.9	40.00	20.00	*28	28.0-33.9	60.00	40.00
*10	10.00-12.9	40.00	22.00	30	30.0-33.9	60.00	42.00
*13	13.0-15.9	40.00	25.00	34	34.0-39.9	70.00	46.00
16	16.0-18.9	40.00	28.00	40	40.0-45.9	70.00	52.00
19	19.0-21.9	40.00	31.00	46	46.0-51.9	75.00	58.00
22	22.0-25.9	50.00	34.00	*52	52.0-57.9	75.00	64.00

*\*These dies not supplied as standard*



## H50BE4 – Electrically Operated



### Product Specification

**Standard 2" 4 wire machine with twin-speed pump.**

- **Hose capacity:** 3/16" -2" R9R/4SP (4 wire)
- **Standard die sets supplied with machine:** 12 sets: 16, 19, 22, 26, 30, 34, 40, 46, 52, 58, 64, 70 – additional die sets also available
- **Calibration:** Electronic Calibration/ Digital position indicator
- **Control:** Push-button
- **Max Opening:** +36.2mm
- **Motor:** 2.2kw

Our **new** standard electronic control system has **new features including:** Digital display screen, easy jog wheel and hose swage size setting.

- **Max Cycle Time (O-C)** 6 Sec    **Max Cycle Time (C-O)** 8
- **Voltages 3 phase:** 220/240-380/440 50Hz    225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other.
- **Option:** H50BE4Q
- **Packed Dimensions:** 790 x 600 x 900 mm    **Gross weight:** 178 kgs

### H50BE4 Die Chart

Die No	Range (mm)	Length	Ferrule Dia Max	Die No	Range (mm)	Length	Ferrule dia Max
*06	06.0 -7.9	40.00	18.00	30	30.0-33.9	60.00	42.00
*08	08.0 -09.9	40.00	20.00	34	34.0-39.9	70.00	46.00
*10	10.00-12.9	40.00	22.00	40	40.0-45.9	70.00	52.00
*13	13.0-15.9	40.00	25.00	46	46.0-51.9	80.00	58.00
16	16.0-18.9	40.00	28.00	52	52.0-57.9	80.00	64.00
19	19.0-21.9	40.00	31.00	58	58.0-63.9	80.00	70.00
22	22.0-25.9	50.00	34.00	64	64.0-69.9	80.00	76.00
26	26.0-29.9	50.00	38.00	70	70.0-76.0	95.00	82.00
*28	28.0-33.9	50.00	40.00				

*\*These dies not supplied as standard*

# H50BE4Q – Electrically Operated



## Product Specification

**Standard 2" 4 wire machine with twin-speed pump, quick-change die tool and base.**

- **Hose capacity:** 3/16" -2" R9R/4SP (4 wire)
- **Standard die sets supplied with machine:** 12 sets: 16, 19, 22, 26, 30, 34, 40, 46, 52, 58, 64, 70 – additional die sets also available
- **Calibration:** Electronic Calibration/ Digital position indicator
- **Control:** Push-button
- **Max Opening:** +36.2mm
- **Motor:** 2.2kw

Our **new** standard electronic control system now features on all B Range electric machines and has **new features including:** Digital display screen, easy jog wheel and hose swage size setting.

- **Max Cycle Time (O-C)** 6 Sec    **Max Cycle Time (C-O)** 8 Sec
- **Voltages 3 phase:** 220/240-380/440 50Hz    225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Swaging force:** 2509kN
- **Additional die sets available:** 1 piece, Freon, PTFE & other.
- **Option:** H50BE4
- **Packed Dimensions:** 2 x pallets 790 x 600 x 900 mm
- **Gross Weight:** 235kg

## H50BE4 DIE CHART

Die No	Range (mm)	Length	Ferrule Dia Max	Die No	Range (mm)	Length	Ferrule dia Max
*06	06.0 -7.9	40.00	18.00	30	30.0-33.9	60.00	42.00
*08	08.0 -09.9	40.00	20.00	34	34.0-39.9	70.00	46.00
*10	10.0012.9	40.00	22.00	40	40.0-45.9	70.00	52.00
*13	13.0-15.9	40.00	25.00	46	46.0-51.9	80.00	58.00
16	16.0-18.9	40.00	28.00	52	52.0-57.9	80.00	64.00
19	19.0-21.9	40.00	31.00	58	58.0-63.9	80.00	70.00
22	22.0-25.9	50.00	34.00	64	64.0-69.9	80.00	76.00
26	26.0-29.9	50.00	38.00	70	70.0-76.0	95.00	82.00
*28	28.0-33.9	50.00	40.00				

*\*These dies not supplied as standard*

## H50B4 – Electrically Operated



### Product Specification

**Standard 2" 4 wire machine with twin-speed pump.**

- **Hose capacity:** 3/16" -2" R9R/4SP (4 wire)
- **Swaging Range of machine:** See chart below.
- **Standard die sets supplied with machine:** 12 sets: 16, 19, 22, 26, 30, 34, 40, 46, 52, 58, 64, 70.
- **Calibration:** Digital position indicator
- **Control:** Push-button,
- **Max Opening:** +36.2mm
- **Motor:** 2.2kw
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.

- **Swaging Force:** 2509kN
- **Max Cycle Time (O-C)** 6 Sec **Max Cycle Time (C-O)** 8 Sec
- **Voltages 3 phase:** 220/240-380/440 50Hz 225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other.
- **Options:** [H50B4Q](#) version with quick-change die tool and rack.  
[H50C4](#) version with foot pedal and stroke control.  
[H50C4Q](#) version with foot pedal, stroke control, quick-change die tool and rack.
- **Packed Dimensions:** 790mm x 600mm x 900mm      **Net Weight:** 135 kgs  
**Gross weight:** 178 kgs

### H50B4 Die Chart

Die No	Range (mm)	Length	Ferrule Dia Max	Die No	Range (mm)	Length	Ferrule dia Max
*06	06.0 -7.9	40.00	18.00	30	30.0-33.9	60.00	42.00
*08	08.0 -09.9	40.00	20.00	34	34.0-39.9	70.00	46.00
*10	10.0-12.9	40.00	22.00	40	40.0-45.9	70.00	52.00
*13	13.0-15.9	40.00	25.00	46	46.0-51.9	80.00	58.00
16	16.0-18.9	40.00	28.00	52	52.0-57.9	80.00	64.00
19	19.0-21.9	40.00	31.00	58	58.0-63.9	80.00	70.00
22	22.0-25.9	50.00	34.00	64	64.0-69.9	80.00	76.00
26	26.0-29.9	50.00	38.00	70	70.0-76.0	95.00	82.00
*28	28.0-33.9	50.00	40.00				

\* These dies not supplied as standard

## H50B4Q – Electrically Operated



### Product Specification

**Standard 2" 4 wire machine with twin-speed pump, quick-change die tool and base.**

- **Hose capacity:** 3/16" -2" R9R/4SP (4 wire)
- **Swaging Range of machine:** See chart below.
- **Standard die sets supplied with machine:** 12 sets: 16, 19, 22, 26, 30, 34, 40, 46, 52, 58, 64, 70.
- **Calibration:** Digital position indicator
- **Control:** Push-button
- **Max Opening:** +36.2mm
- **Motor:** 2.2kw
- **Swaging Force:** 2509kN
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.

- **Max Cycle Time (O-C) 6 Sec Max Cycle Time (C-O) 8 Sec**
- **Voltages 3 phase:** 220/240-380/440 50Hz 225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other.
- **Option:** H50C4 model with foot pedal and stroke control.  
H50C4Q version with foot pedal, stroke control, quick-change die tool and rack.
- **Packed Dimensions:** 790mm x 600mm x 900mm
- **Gross weight:** 243 kgs

### H50B4 Die Chart

Die No	Range (mm)	Length	Ferrule Dia Max	Die No	Range (mm)	Length	Ferrule dia Max
*06	06.0 -7.9	40.00	18.00	30	30.0-33.9	60.00	42.00
*08	08.0 -09.9	40.00	20.00	34	34.0-39.9	70.00	46.00
*10	10.0012.9	40.00	22.00	40	40.0-45.9	70.00	52.00
*13	13.0-15.9	40.00	25.00	46	46.0-51.9	80.00	58.00
16	16.0-18.9	40.00	28.00	52	52.0-57.9	80.00	64.00
19	19.0-21.9	40.00	31.00	58	58.0-63.9	80.00	70.00
22	22.0-25.9	50.00	34.00	64	64.0-69.9	80.00	76.00
26	26.0-29.9	50.00	38.00	70	70.0-76.0	95.00	82.00
*28	28.0-33.9	50.00	40.00				

*\*These dies not supplied as standard*

*NB: No. of dies and die inserts depends on model ordered*

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## H50CE4 – Electrically Operated

### Product Specification



**Semi-automatic twin-speed 2" 4 wire machine complete with foot pedal, stroke control and base.**

- **Hose capacity:** 3/16" -2" R9R/4SP (4 wire)
- **Standard die sets supplied with machine:** 12 sets: 16, 19, 22, 26, 30, 34, 40, 46, 52, 58, 64, 70 – additional die sets also available
- **Calibration:** Electronic Calibration/ Digital position indicator
- **Control:** Push-button/ Foot pedal
- **Max Opening:** +36.2mm
- **Motor:** 2.2kw

Our **new** superior electronic control system has **many new features including:** Digital display screen, easy jog wheel setting, storage of swage sizes, hose counter, easy calibration

- **Max Cycle Time (O-C) 6 Sec Max Cycle Time (C-O) 5 Sec** (gas struts included)
- **Voltages 3 phase:** 220/240-380/440 50Hz 225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other.
- **Option:** H50CE4Q
- **Mirror included**
- **Packed Dimensions:** 790 x 600 x 900 mm **Gross weight:** 180 kgs

### H50CE4 Die Chart

Die No	Range (mm)	Length	Ferrule Dia Max	Die No	Range (mm)	Length	Ferrule dia Max
*06	06.0 - 07.9	40.00	18.00	30	30.0 -33.9	60.00	42.00
*08	08.0 - 09.9	40.00	20.00	34	34.0 -39.9	70.00	46.00
*10	10.0 -12.9	40.00	22.00	40	40.0 -45.9	70.00	52.00
*13	13.0 -15.9	40.00	25.00	46	46.0 -51.9	80.00	58.00
16	16.0 -18.9	40.00	28.00	52	52.0 -57.9	80.00	64.00
19	19.0 -21.9	40.00	31.00	58	58.0 -63.9	80.00	70.00
22	22.0 -25.9	50.00	34.00	64	64.0 -69.9	80.00	76.00
26	26.0 -29.9	50.00	38.00	70	70.0 -76.0	95.00	82.00
*28	28.0 -33.9	50.00	40.00				



## H50CE4Q – Electrically Operated



### Product Specification

**Semi-automatic twin-speed 2" 4 wire machine complete with foot pedal, stroke control, quick-change die tool and base.**

- **Hose capacity:** 3/16" -2" R9R/4SP (4 wire)
- **Standard die sets supplied with machine:** 12 sets: 16, 19, 22, 26, 30, 34, 40, 46, 52, 58, 64, 70 – additional die sets also available
- **Calibration:** Electronic Calibration/ Digital position indicator
- **Control:** Push-button/ Foot pedal
- **Max Opening:** +36.2mm
- **Motor:** 2.2kw

Our **new** electronic control system now standard on all single and three phase electric machines has **many new features including:** Digital display screen, easy jog wheel setting, storage of swage sizes, hose counter, easy calibration and many more.

- **Max Cycle Time (O-C) 6 Sec Max Cycle Time (C-O) 5 Sec** (gas struts included)
- **Voltages 3 phase:** 220/240-380/440 50Hz 225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other.
- **Option:** H50CE4
- **Mirror included**
- **Packed Dimensions:** 2 x pallets 79 x 60 x 90 cm **Gross Weight:** 238kg

### H50CE4Q Die Chart

Die No	Range (mm)	Length	Ferrule Dia Max	Die No	Range (mm)	Length	Ferrule dia Max
*06	06.0 - 07.9	40.00	18.00	30	30.0 -33.9	60.00	42.00
*08	08.0 - 09.9	40.00	20.00	34	34.0 -39.9	70.00	46.00
*10	10.0 -12.9	40.00	22.00	40	40.0 -45.9	70.00	52.00
*13	13.0 -15.9	40.00	25.00	46	46.0 -51.9	80.00	58.00
16	16.0 -18.9	40.00	28.00	52	52.0 -57.9	80.00	64.00
19	19.0 -21.9	40.00	31.00	58	58.0 -63.9	80.00	70.00
22	22.0 -25.9	50.00	34.00	64	64.0 -69.9	80.00	76.00
26	26.0 -29.9	50.00	38.00	70	70.0 -76.0	95.00	82.00
*28	28.0 -33.9	50.00	40.00				

## H50M4 – Electrically Operated 12 Volt D.C.



### Product Specification

**Most economic 12V 2" 4 wire machine with single speed pump.**

- **Hose capacity:** 3/16" - 2" R9R/4SP (4 wire)
- **Swaging range of machine:** See chart below
- **Standard die sets supplied with machine:** 12 sets: 16, 19, 22, 26, 30, 34, 40, 46, 52, 58, 64, 70. (L16 – L70)
- **Calibration:** Digital position indicator
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.
- **Control:** Push-button
- **Max opening:** +36.2mm
- **Motor:** 2.2Kw
- **Swaging force:** 2509 kN
- **Max cycle time (O-C)** 15 Sec      **Max Cycle time (C-O)** 10 Sec
- **Voltage:** 12 Volt D.C.
- **Additional die sets available:** for 1 piece fittings, Freon, PTFE & other.
- **Option:** H50MT4 with Twin speed power pack of      Max cycle time (O-C) 5 Sec (C-O) 9 Sec
- **Packed Dimensions:** 790mm x 600mm x 900mm
- **Net Weight:** 118 kgs      **Gross weight:** 161 kgs

### H50M4 Die Chart

Die No	Range (mm)	Length	Ferrule Dia Max	Die No	Range (mm)	Length	Ferrule dia Max
*06	0.60-7.9	40.00	18.00	30	30.0-33.9	60.00	42.00
*08	08.0-09.9	40.00	20.00	34	34.0-39.9	70.00	46.00
*10	10.0-12.9	40.00	22.00	40	40.0-45.9	70.00	52.00
*13	13.0-15.9	40.00	25.00	46	46.0-51.9	80.00	58.00
16	16.0-18.9	40.00	28.00	52	52.0-57.9	80.00	64.00
19	19.0-21.9	40.00	31.00	58	58.0-63.9	80.00	70.00
22	22.0-25.9	50.00	34.00	64	64.0-69.9	80.00	76.00
26	26.0-29.9	50.00	38.00	70	70.0-76.0	95.00	82.00
*28	28.0-33.9	50.00	40.00				

*\*These dies not supplied as standard*

## H50MT4 – Electrically Operated 12 Volt D.C.



### Product Specification

**Twin-speed 12V 2" 4 wire machine with faster cycle times.**

- **Hose capacity:** 3/16" - 2" R9R/4SP (4 wire)
- **Swaging range of machine:** See chart below
- **Standard die sets supplied with machine:** 12 sets: 16, 19, 22, 26, 30, 34, 40, 46, 52, 58, 64, 70. (L16-L70)
- **Calibration:** Digital position indicator
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.
- **Control:** Push-button
- **Max opening:** +36.2mm
- **Motor:** 2.2Kw
- **Swaging force:** 2509 kN
- **Max cycle time (O-C) 5 Sec Max Cycle time (C-O) 9 Sec**
- **Voltage:** 12 Volt D.C.
- **Additional die sets available:** for 1 piece fittings, Freon, PTFE & other.
- **Option:** H50M4 without Twin speed power pack of
- Max cycle time (O-C) 15 Sec (C-O) 10 Sec
- **Packed Dimensions:**79cmx60cmx90cm **Net Weight:**123 kgs **Gross weight:** 166kgs

**H50MT4 Die Chart**

Die No	Range (mm)	Length	Ferrule Dia Max	Die No	Range (mm)	Length	Ferrule dia Max
*06	0.60-7.9	40.00	18.00	30	30.0-33.9	60.00	42.00
*08	08.0 -09.9	40.00	20.00	34	34.0-39.9	70.00	46.00
*10	10.0-12.9	40.00	22.00	40	40.0-45.9	70.00	52.00
*13	13.0-15.9	40.00	25.00	46	46.0-51.9	80.00	58.00
16	16.0-18.9	40.00	28.00	52	52.0-57.9	80.00	64.00
19	19.0-21.9	40.00	31.00	58	58.0-63.9	80.00	70.00
22	22.0-25.9	50.00	34.00	64	64.0-69.9	80.00	76.00
26	26.0-29.9	50.00	38.00	70	70.0-76.0	95.00	82.00
*28	28.0-33.9	50.00	40.00				

*\*These dies not supplied as standard*

## H50CE6Q – Electrically Operated

## Product Specification



**Semi-automatic twin-speed 2" 6 wire machine complete with foot pedal, stroke control, quick-change die tool and base.**

- **Hose capacity:** 3/16" - 2" R13 (6 wire)
- **Swaging Range of machine:** See chart below.
- **Standard die sets supplied with machine:** 13 sets: 16, 19, 22, 26, 30, 34, 40, 46, 52, 58, 64, 70, 76
- **Calibration:** Digital position indicator
- **Control:** Push-button,
- **Max Opening:** 135.5mm
- **Motor:** 2.2kw
- **Swaging Force:** 4500kN
- **Max Cycle Time (O-C)** 10 Sec  
**Max Cycle Time (C-O)** 20 Sec
- **New as of 2009:** 4 Foam inserts, protecting bottom of head from debris.

- **Voltages 3 phase:** 220/240-380/440 50Hz OR 225/280/440/480 60Hz
- **Voltages 1 phase:** 220/240 50Hz
- **Additional die sets available:** 1 piece, Freon, PTFE & other.
- **Packed Dimensions:** 790 x 600 x 900 mm
- **Gross Weight:** 350kg

### H50CEQ6 DIE CHART

Die No	Range (mm)	Length	Ferrule Dia Max	Die No	Range (mm)	Length	Ferrule Dia Max
*M06	06.0 - 07.9	40.00	18.00	M30	30.0 -33.9	60.00	42.00
*M08	08.0 - 09.9	40.00	20.00	M34	34.0 -39.9	70.00	46.00
*M10	10.0 -12.9	40.00	22.00	M40	40.0 -45.9	85.00	52.00
*M13	13.0 -15.9	40.00	25.00	M46	46.0 -51.9	90.00	58.00
M16	16.0 -18.9	40.00	28.00	M52	52.0 -57.9	100.00	64.00
M19	19.0 -21.9	40.00	31.00	M58	58.0 -63.9	105.00	70.00
M22	22.0 -25.9	50.00	34.00	M64	64.0 -69.9	110.00	76.00
M26	26.0 -29.9	50.00	38.00	M70	70.0 -76.0	110.00	82.00
*M28	28.0 -33.9	50.00	40.00	M76	76.0 - 82.0	120.00	88.00

*\*These dies not supplied as standard*

*\* No. of dies and die inserts depends on model ordered*

# HCL – Hose Cutting Machine



**3 Phase and Single Phase**



**12 Volt D.C.**

**Bench mounted cutting machine available in 3phase, 1phase and 12V. Applications up to 2"**

## **Capacity**

- 2.2 kw motor - up to 2" bore wire braid hose
- D.C. motor - up to 2" bore wire braid hose

## **Electrical Supply**

- 415V 3phase 50Hz (1420 RPM)
- 240V 1phase 50Hz (1420 RPM)
- 12 volt

## **Blade**

- Slotted blades manufactured in high speed steel

## **Dimensions**

- (2.2 kw) 50 x 50 x 45cm
- (12v DC) 50 x 50 x 45cm

## **Packed Dimensions**

- 79 x 60 x 90cm
- 79 x 60 x 90cm

## **Weight**

- (2.2 kw)   **Net : 42 kg**       **Gross : 60 kg**
- (12v DC)   **Net : 35 Kg**       **Gross : 52 kg**

## HCC2+3 – Hose Cutting Machine



### Product Specification

Floor-mounted foot-operated cutting machine for 2" 4 wire (HCC2) or 2" 6 wire (HCC3) capacity.

- **Maximum Capacity:**  
HCC2 - 2" - 4 wire. Floor mounted. Foot operated  
HCC3 - 2" - 6 wire. Floor mounted. Foot operated
- **Maximum Cutting Diameter:**  
HCC2 – 75mm  
HCC3 – 105mm
- **Standard Voltage** 220/380 Volts 3 Phase 50Hz.
- New generation of cutting blades giving longer operating life
- Blade diameter HCC2 – 250mm HCC3 – 400mm
- Motor Power HCC2 – 3KW HCC3 – 5.5KW
- Suction connection included
- **Optional extra** on HCC2 & 3: Hose holder
- **Packed Dimensions:**  
HCC2: 1200 x 750 x 1250mm  
HCC3: 1200 x 750 x 1250mm
- **Weight:**  
HCC2: Net : 130kg Gross : 160kg  
HCC3: Net : 187kg Gross : 217kg

# HS1 - Hand Skiving Machine



## Applications up to 2"

**Hand-operated, vice-mounted skiving machine. Available with mandrels to skive externally and internally. Suitable for fabric braid, wire braid and multi-spiral hose applications up to 2".**

### Capacity

- Fully adjustable for varying diameters and lengths on hose from 1/4" to 2" diameter bore
- (1/4" - 2" external skiving)
- (5/8" - 2" internal skiving)
- Suitable for fabric braid, wire braid and multi-spiral hose applications

### Blade

- High speed steel, with 2 cutting edges (external)
- High speed steel, with single cutting edge (internal)

### Mandrels

- 9 off in steel 1/4" - 2" (external skiving)
- 6 off in steel 5/8" - 2" (internal skiving)

### Packed Dimensions

- 50 x 20 x 15cm

### Weight

- **Net** (skiver only): 8kgs
- **With 9 mandrels** : 12 Kg
- **Gross** : (Boxed and with 9 mandrels) : 12.5kg

## HS2E – Power skiving Machine



### Product Specification

**Bench-mounted, foot-operated, power skiving machine. 3 phase supply. Available with mandrels to skive externally and internally.**

- **Maximum Capacity:** 2" - external & internal hose
- **Standard machine supplied with:** 9 off external mandrels with single external tool, adjustable for all sizes 1/4" - 2"
- **Standard voltage:** 380 Volts. 3 Phase 50 Hz
- **Motor rating:** 0.75kW
- **Operation:** by foot pedal
- **Optional extras:**  
Separate mandrel/tool for internal use 3/4" - 2" (Total 5 off)
- **Packed Dimensions:** 790mm x 600mm x 900mm
- **Weight:** Net : 44kgs Gross : 60kg



**Single External Tool (Standard)**

## HS2 – Power skiving Machine



### Product Specification

**Floor-mounted, foot-operated, power skiving machine. 3 phase supply. Available with mandrels to skive externally and internally.**

- **Maximum Capacity:** 2" - external & internal hose
  - **Standard machine supplied with:** 9 off external mandrels with single external tool, adjustable for all sizes 1/4" - 2"
  - **Standard voltage:** 220/380 Volts. 3 Phase 50 Hz
  - **Motor rating:** 0.75kW
  - **Operation:** by foot pedal
- **Optional extras:**
    - Individual external tool for external skiving 1/4" - 2" (Total 9 off)
    - Separate mandrel/tool for internal use 3/4" - 2" (Total 5 off)
    - Pneumatic vice for holding the hose
    - Tool/Mandrel holder
    - Mandrel holder
  - **Packed Dimensions:** 1200mm x 750mm x 1250mm
  - **Weight:**  
**Net :** 65kgs    **Gross :** 95kg



**Single External Tool (Standard)**

## HF1 - Hydraflare



### Product Specification

- Portable tube flaring machine to form 37° flare
- Suitable for applications up to 1"
- Capacity 1/4" – 1" and 6 – 25mm
- Controlled by twin speed hand pump.
- Easy to read pressure gauge
- Various die sizes available, see below for sizes.

In	1/4	5/16	3/8	1/2	-	-	5/8	-	3/4	-	1
mm	6	8	10	12	14	15	16	18	20	22	25

- **Packed Dimensions:** 600mm x 400mm x 500mm
- **Gross Weight:** 30 kgs (excluding dies)

## HF3 – Hydraflare



### Product Specification

- Portable tube flaring machine to form 37° flare
- Suitable for applications up to 1 ½” / 42mm
- Capacity ¼” – 1 ½” and 6 – 42mm
- Controlled by twin speed hand pump.
- Easy to read pressure gauge
- Various die sizes available, see below for sizes.
- **Optional Extra:** Die drawer for handy storage for your dies
- Use HF1 dies up to 1”/25mm with adaptor, HF3 dies use 28 – 42 mm 1 ¼” – 1 ½”
- **Due to differences in pipe thickness and tube characteristics flare sizes need to be checked and verified.**

In	1/4	5/16	3/8	½	-	-	5/8	-	3/4
mm	6	8	10	12	14	15	16	18	20
In	-	1	-	-	1¼	-	1½	-	-
mm	22	25	28	30	-	35	-	38	42

- **Packed Dimensions:** 600mm x 400mm x 500mm
- **Gross Weight:** 40 kgs

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## HCS – Hose Cutting and Skiving machine



### Cutting:

- 2.2 KW motor
- Cut up to 1 1/4" bore wire braid hose
- Slotted type blade manufactured in high speed steel. Smooth blade available on request.

### Skiving:

- Fully adjustable for varying diameters and lengths on hose from 1/4" to 1 1/4" diameter bore.
- External Skiving: 1/4" to 1 1/4"
- Internal Skiving: 5/8" to 1 1/4"
- Suitable for fabric braid, wire braid and multi – spiral hose applications
- Skiving blades:
  - External Skiving: High speed steel, with 2 cutting edges
  - Internal Skiving: High speed steel, with single cutting edge

### Electrical Supply:

- 415V 3 phase 50Hz

Other: Outlet connection for extraction system

Dimensions (cm): 89(W) x 43(D) x 50(H)

Weight: 59 kilos

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