



UTILUX HYDRAULIC TOOLING

Quick Reference Guide

#38BH-L

Battery Powered 12T Hydraulic Crimper

DESCRIPTION

The Utilux #38BH-L is a high quality, light weight, battery powered 12 tonne capacity hydraulic crimper. Featuring a two stage action, enabling fast advance speed, LED display indicating battery condition, with a sturdy, durable casing resulting in a robust, portable crimper capable of handling the most challenging of situations.

FEATURES

- Powered by the latest technology battery, Lithium Ion.
- 2 stage action
- Large crimp range 6 – 300 mm²
- Li-Ion Bosch battery powered
- Non slip handle design
- 32mm throat size

TECHNICAL

- Dimensions: 390mm(L) x 328mm(H) x 89mm(W)
- Weight: 8.0kg (with battery)
- Crimping force: 125 kN (12.7 tons)
- Jaw opening: 32mm
- 14.4V Li-Ion battery
- 20 minutes battery recharge time

6 - 300mm²



Part Description	Descriptions
#38BH-L	Tool only
#38BH-L+C+2B	Tool + charger + 2 batteries
#38BH-L+KIT	Tool + charger + 2 batteries + 16-300mm ² copper crimp dies in metal carry case

All above come in robust plastic carry case containing shoulder strap and operation manual

ACCESSORIES

#38BAT-Li: 14.4V Li-Ion battery

#38CHGR-Li: 230V charger for Li-Ion battery

#38C

Heavy Duty Hand Operated Hydraulic Crimper

DESCRIPTION

Robust and built to last, the #38C sets the standard for other 12t hydraulic tools. Precision engineering hydraulic components for maximum reliability, maintenance and ease of use. Accepts all Utilux #38 Series crimp dies for full hexagonal or indent crimping of copper or aluminium connectors/ terminations.

FEATURES

- 2 stage action
- Large crimp range 6 – 300 mm²
- 32mm throat size
- 180° head rotation
- Reinforced glass fibre handles

TECHNICAL

- ♦ Output: 11.6 tonnes
- ♦ Ram Stroke: 32mm
- ♦ Die set: '38' type dies
- ♦ Length: 640mm
- ♦ Weight: 6.5kg
- ♦ Range: Up to 300mm²

6 - 300mm²



Part Description	Descriptions
#38C	12 tonne hex crimp
#38CKIT	12 tonne hex crimp + 16-300mm ² CU crimp die set

All above come in robust plastic carry case with die compartments and operation manual

#38CS

Short Heavy Duty Hand Operated Hydraulic Crimper

DESCRIPTION

Robust and built to last, the new #38CS is the tool for use in confined spaces, being 25% shorter overall than most 12 tonne 'C' head hand hydraulic crimpers.

Precision engineered hydraulic components for maximum reliability, maintenance and ease of use. Accepts all Utilux 38 series crimp dies for full hexagonal or indent crimping of copper or aluminium connectors and terminations.

FEATURES

- 2 stage action
- Large crimp range 6 – 300 mm²
- 32mm throat size
- 180° head rotation
- Reinforced glass fibre handles

TECHNICAL

- ♦ Output: 11.6 tonnes
- ♦ Ram Stroke: 32mm
- ♦ Die set: '38' type dies
- ♦ Length: 640mm
- ♦ Weight: 6.5kg
- ♦ Range: Up to 300mm²

6 - 300mm²



Part Description	Descriptions
#38CS	12 ton crimp tool – short
#38CSKIT	12 ton crimp tool – short with 11 sets copper crimp dies (16 – 300 mm ²)

Both configuration come in robust plastic carry case which also includes operation / maintenance manual

38 Series Die Sets

12 Tonne Crimp Dies

DESCRIPTION

Utilux crimping dies for aluminium and copper connectors are precision engineered from EN26 high tensile steel and oil hardened, ensuring long life and minimal die wear.

FEATURES

- Hexagonal die sets for precision crimping of copper and aluminium connectors
- Suitable for all '12 tonne' hydraulic crimp tools in the Utilux range.
- Each hexagon die set is engraved with "Utilux" on one of the die faces, and the die part number on the other, leaving an indent on the crimp for easy inspection and verification.

OTHER DIES AVAILABLE

- Nest and indent die sets for special aluminium applications
- Special 'steel' dies for crimping steel sleeves

6-300 mm²



Conductor Size mm ²	Hydraulic Tools – Hexagonal Dies			
	Copper Conductors		Aluminium Conductors	
	A/F mm	Catalogue Reference	A/F mm	Catalogue Reference
6	4.4	38-44CU	9.0	38-90AL
10	5.7	38-57CU	9.0	38-90AL
16	6.3	38-63CU	9.0	38-90AL
25	7.7	38-77CU	9.0	38-90AL
35	9.2	38-92CU	9.0	38-90AL
50	10.4	38-104CU	13.2	38-132AL
70	11.5	38-115CU	13.2	38-132AL
95	14.2	38-142CU	17.3	38-173AL
120	16.5	38-165CU	17.3	38-173AL
150	18.3	38-183CU	22.0	38-220AL
185	20.0	38-200CU	22.0	38-220AL
240	23.1	38-231CU	28.4	38-284AL
300	26.0	38-260CU	28.4	38-284AL

#38KIT16-300

Copper Crimp Die Kit

KIT CONTAINS

- 11 sets of standard copper crimp dies
- 16 mm² to 300 mm² die sets
- Steel carry case
- Space for 5 more die sets



12 Tonne Crimp Dies

Utilux Crimping Dies

Indent Crimp Dies - Sector Aluminium

Aluminium Conductor Size mm ²	3 Core		4 Core	
	Nest Die	Indentor	Nest Die	Indentor
70	#12NEST	#141NDENT	#14NEST	#14INDENT
95	#12NEST	#151NDENT	#14NEST	#151NDENT
120	#12NEST	#16INDENT	#14NEST	#16INDENT
150	#12NEST	#171NDENT	#15NEST	#171NDENT
185	#12NEST	#181 NDENT	#15NEST	#181NDENT
240	#12NEST	#191NDENT	#15NEST	#191NDENT
300	#12NEST	#201 NDENT	#15NEST	#201NDENT

Hexagonal Crimp Dies – Steel cores of ACSR Conductor

Die Set	Cable Range	Die Set	Cable Range
	mm ²		mm ²
38-74ST13	7.4	38-95ST	9.5
38-76ST	7.6	38-95ST13	9.5
38-80ST	8.0	38-130ST7	13.0

Overhead - ABC

ABC Conductor mm ²	Die Set	Die A/F
25	38-140AL9	14.0
35 - 95	38-173AL9	17.3
150	38-215AL9	21.5

Crimp Dies – C Connectors

Cable Range mm ²	Die Set	Cable Range mm ²	Die Set
14 - 20	38-T020	99 - 122	38-T122
21 - 26	38-T026	123 - 154	38-T154
27 - 44	38-T044	155 - 190	38-T190
45 - 60	38-T060	191 - 240	38-T240
61 - 76	38-T076	241 - 288	38-T288
77 - 98	38-T098	289 - 365	38-T365

Crimp Dies – 50

Cable Range mm ²	Die Set	Die A/F	Conductor
400	50A-281CU	28.1	Copper
500	50A-310CU	31	Copper
630	50A-370CU	37	Copper
400	50A-390AL	39	Aluminium
500	50A-390AL	39	Aluminium

Hexagonal Crimp Dies – Half Hex (for flexible cables)

Multi Stranded Cable mm ²	Die Set	Hex Die	Flat Die
	16	38-98HHEX17	38-98CU
25	38-122HHEX17	38-122CU	38-FLAT17
35	38-130HHEX17	38-130CU	38-FLAT17
50	38-153HHEX17	38-153CU	38-FLAT17
70	38-183HHEX14	38-183CU	38-FLAT14
95	38-220HHEX14	38-220CU	38-FLAT14
120	38-245HHEX14	38-245CU	38-FLAT14

Note: Flat dies are available individually

Crimp Dies – Overhead

Conductor	Fitting	Die Set
7/2.50	FT36	38-140AL
7/3.00	FT44	38-180AL
7/3.75	FT44	38-180AL
7/4.50	FT58	38-190AL
19/3.75	FT80	38-262AL
37/3.00	FT94	38-284AL
19.4.75	FT94	38-303AL

Crimp Dies – 40

Cable Range mm ²	Die Set	Die A/F	Conductor
70	40-130CU	13	Copper
95	40-142CU	14.2	
120	40-165CU	16.5	
150	40-185CU	18.5	
185	40-200CU	20	
240	40-231CU	23.1	
300	40-260CU	26	
400	40-281CU	28.1	
500	40-310CU	31	
630	40-370CU	37	
800	40-432CU	43.2	Aluminium
1000	40-480CU	48	
95, 120	40-172AL	17.2	
150, 185	40-220AL	22	
240, 300	40-283AL	28.3	
400, 500	40-390AL	39	
630	40-432AL	43.2	



#41AH

'C' frame general purpose compression head. Includes coupling.

- FEATURES**
- Robust construction, spring assisted ram retraction
- APPLICATIONS**
- Range: up to 300mm²
 - Input: required 700 bar 10,000 psi, single acting pump
 - Oil: vol. req'd 53cc
 - Output: 11.3 tonnes
 - Ram: stroke 32mm
 - Die set: '38' type dies

- DIMENSIONS**
- Length 276mm
 - Weight 4.9kg (tool only with die set loaded)
 - Packaging Plastic carry case, with die compartment

#41A also available - contains #41AH crimp head, #P80 pump and HYH2M hose



#50AH

'U' frame increased capacity compression head for up to 630mm² connectors. Includes coupling.

- FEATURES**
- Robust construction, spring assisted ram retraction, removable top die for easy application to cable, light weight, can use '38' type dies with #50ADH adaptor
- APPLICATIONS**
- Range: up to 630mm²
 - Input required: 700 bar 10,000psi, single acting pump
 - Output: 18 tonnes
 - Die set: '50A' type dies, #50ADH '38' die adaptor
 - Dies: AL: 400 / 500mm² CU: 400, 500, 630mm²

- DIMENSIONS**
- Length: 285mm
 - Weight: 3.6kg (tool only with die set loaded)
 - Packaging: metal carry case, with die compartment



#40BH

'U' frame high capacity compression head. Includes coupling and alloy stand.

- FEATURES**
- Robust construction, spring assisted ram retraction, carry handle, removable die cap
- APPLICATIONS**
- Range: up to 1000mm²
 - Input required: 700 bar 10,000psi, single acting pump
 - Oil vol. req'd: 308cc
 - Output: 55 tonnes
 - Ram stroke: 39.2mm
 - Die set: '40' type dies, '38' type dies using #40dh die holder
 - Dies: AL: 95 to 630mm² CU: 70 to 1000mm²

- DIMENSIONS**
- Size: 146mm(dia) x 446mm(h), in stand
 - Weight: 22kg (tool only with die set loaded)
 - Packaging: metal carry case

#40B also available - contains #40BH crimp head, #P80 pump and HYH2M hose

#P80

Hand operated single acting hydraulic pump. Suitable for use with #50AH, 41AH press head, #CCS24 and #CCS55 cutters.



- | | |
|---------------------|--|
| FEATURES | <ul style="list-style-type: none"> ▪ 2 speed mechanism for faster pumping, built in oil pressure relief valve, large oil capacity, operating pressure 700 bar (10,000psi) |
| APPLICATIONS | <ul style="list-style-type: none"> ▪ Oil capacity: 249lcc ▪ Oil port: 3/8" nptf ▪ Output: 700 bar (10,000psi) ▪ Handle effort: 47kg (max) |

- | | |
|-------------------|---|
| DIMENSIONS | <ul style="list-style-type: none"> ▪ Size: 578mm(l) x 95.3mm(w) x 175mm(h) ▪ Weight: 10.9kg |
|-------------------|---|

#PUJ1200E

Mains (240V) powered portable single acting hydraulic pump. Suitable for use with a wide range of crimping heads and cylinders requiring 10,000psi supply and large oil volumes.



- | | |
|---------------------|---|
| FEATURES | <ul style="list-style-type: none"> ▪ Robust construction, 2 stage pump 3m remote hand operated pendant controller |
| APPLICATIONS | <ul style="list-style-type: none"> ▪ Oil capacity: 1900cc ▪ Oil port: 3/8" nptf ▪ Motor: 0.37kw ▪ Output: 700 bar (10,000psi) |

- | | |
|-------------------|--|
| DIMENSIONS | <ul style="list-style-type: none"> ▪ Size: 240mm(l) x 240mm(w) x 360mm(h) ▪ Weight: 10kg |
|-------------------|--|



#50BC-L

The #50BC-L is a portable gear driven cable cutter ideal for many applications. Specifically designed to cut the toughest copper and aluminium cables in a limited amount of space.

FEATURES

- Eliminates possible RSI
- Reversing switch to enable multiple cuts with minimal blade movement
- Rocker switch control (forward and reverse)
- Cuts clean with minimal distortion
- Circuit breaker for overload protection
- Up to 100 cuts from single battery charge
- Li-Ion battery can be used across the full range of Utilux hydraulic/battery crimpers and cutters

APPLICATIONS

- Range: Up to 50mm OD non-ferrous cables
- Input Voltage: 220V Single Phase AC
- Drive Unit: 12V DC Motor

DIMENSIONS

- Dimensions: 105mm(L) x 313mm(H) x 115mm(W)
- Weight: 2.4kg
- Packaging: Robust plastic carry case containing shoulder strap and operation manual, battery charger and 2 x 14.4V Li-Ion Battery



#CC24L

Designed to cut ACSR as well as copper and aluminium cables

FEATURES

- The rotating head allows ease of use in confined spaces and the locking style head swings back out of the way for easy placement of the tool onto the cable.

SPECIFICATIONS

- Drive unit: 14.4V DC Motor
- Charger (GS/CE):
- Input voltage: 230V Single Phase AC
- Input frequency: 50-60 Hz
- Input current: 21.75 VA
- Reservoir capacity: 120 cc
- Length: 328 mm
- Weight: 6 kgs (battery included)

CUTTING CAPACITY

- Max. Pressure: 700 bar
- Oil Required: 55 cc
- Crimping force: 8 tons / 78.4 KN
- Wire rope 6x7 18 mm
- Wire rope 6x12 24 mm
- Wire rope 6x19 24 mm
- Soft steel bar 20 mm
- Reinforcing rod 16 mm
- Cu Strands 24 mm
- Al Strands 24 mm
- ACSR 24 mm
- Guy wire 1x7 20 mm
- Guy wire 1x19 20 mm
- CCP cable N/A
- Cutting of piano wire is prohibited



#CC24L

Designed to cut ACSR as well as copper and aluminium cables

FEATURES

- The rotating head allows ease of use in confined spaces and the locking style head swings back out of the way for easy placement of the tool onto the cable.

SPECIFICATIONS

- Drive unit: 14.4V DC Motor
- Charger (GS/CE):
- Input voltage : 230V Single Phase AC
- Input frequency : 50-60 Hz
- Input current : 21.75 VA
- Reservoir capacity : 120 cc
- Length: 479 mm
- Weight: 9.2 kgs (battery included)

CUTTING CAPACITY

- Max. Pressure: 700 bar
- Oil Required: 88.6 cc
- Crimping force : 12.7 tons / 124.46 KN
- Wire rope 6x7 25 mm
- Wire rope 6x12 30 mm
- Wire rope 6x19 30 mm
- Soft steel bar 22 mm
- Reinforcing rod 19 mm
- Cu Strands 55 mm
- Al Strands 55 mm
- ACSR 55 mm
- Guy wire 1x7 15 mm
- Guy wire 1x19 20 mm
- CCP cable N/A
- Cutting of piano wire is prohibited

#CCSP

Remote Hydraulic Cutter Heads

DESCRIPTION

- 180° rotating heads for convenient operation
- Guillotine type cutting for less jamming than shear type cutters
- All blades are easily replaceable
- Flip-top latch for easy insertion of cutting material
- Single stage pump action with spring return
- No set-up time required
- Lightweight, self-contained tool, can be used anywhere

MAX CUTTING CAPACITY 24MM

- Wire rope 6x7 24 mm
- Wire rope 6x12 24 mm
- Wire rope 6x19 24 mm
- Soft steel bar 16 mm
- Soft Aluminium bar 24 mm
- Soft Copper bar 23 mm
- Cu Strands 24 mm
- Al Strands 24 mm
- ACSR 24 mm

MAX CUTTING CAPACITY 55MM

- Wire rope 6x7:25 mm
- Wire rope 6x12:30 mm
- Wire rope 6x19:30 mm
- Soft Copper bar 35 mm
- Soft Aluminium bar 28 mm
- Soft steel bar 22 mm
- Reinforcing rod 19 mm
- Cu strands 54 mm
- Al strands 54 mm
- ACSR 54 mm
- Guy wire 1x7 15 mm
- Guy wire 1x19 20 mm

24 MM



Specifications	#CCSP24
Length	240 mm
Weight	2.1 kgs
Max. Pressure	700 bar
Oil Required	31 cc
Max Output	6.7 ton/66 kN

55 MM



Specifications	#CCSP55
Length	365 mm
Weight	7.2 kgs
Max. Pressure	700 bar
Oil Required	106 cc
Max Output	14.9 tons / 146 kN

#CCS

Hand Operated Cutter Heads

DESCRIPTION

- 180° rotating heads for convenient operation
- Guillotine type cutting for less jamming than shear type cutters
- All blades are easily replaceable
- Flip-top latch for easy insertion of cutting material
- Single stage pump action with spring return
- No set-up time required
- Lightweight, self-contained tool, can be used anywhere

MAX CUTTING CAPACITY 24MM

- Wire rope 6x7 24 mm
- Wire rope 6x12 24 mm
- Wire rope 6x19 24 mm
- Soft steel bar 16 mm
- Soft Aluminium bar 24 mm
- Soft Copper bar 23 mm
- Cu Strands 24 mm
- Al Strands 24 mm
- ACSR 24 mm

MAX CUTTING CAPACITY 55MM

- Wire rope 6x7:25 mm
- Wire rope 6x12:30 mm
- Wire rope 6x19:30 mm
- Soft Copper bar 35 mm
- Soft Aluminium bar 28 mm
- Soft steel bar 22 mm
- Reinforcing rod 19 mm
- Cu strands 54 mm
- Al strands 54 mm
- ACSR 54 mm
- Guy wire 1x7 15 mm
- Guy wire 1x19 20 mm

24 MM



Specifications	#CCS24
Length	360 mm
Weight	2.7 kgs
Max. Pressure	700 bar
Oil Required	56 cc
Max Output	6.7 ton/66 kN

55 MM



Specifications	#CCS55
Length	631 mm
Weight	10.3 kgs
Max. Pressure	700 bar
Oil Required	89 cc
Max Output	12.7 tons / 124.46 kN

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