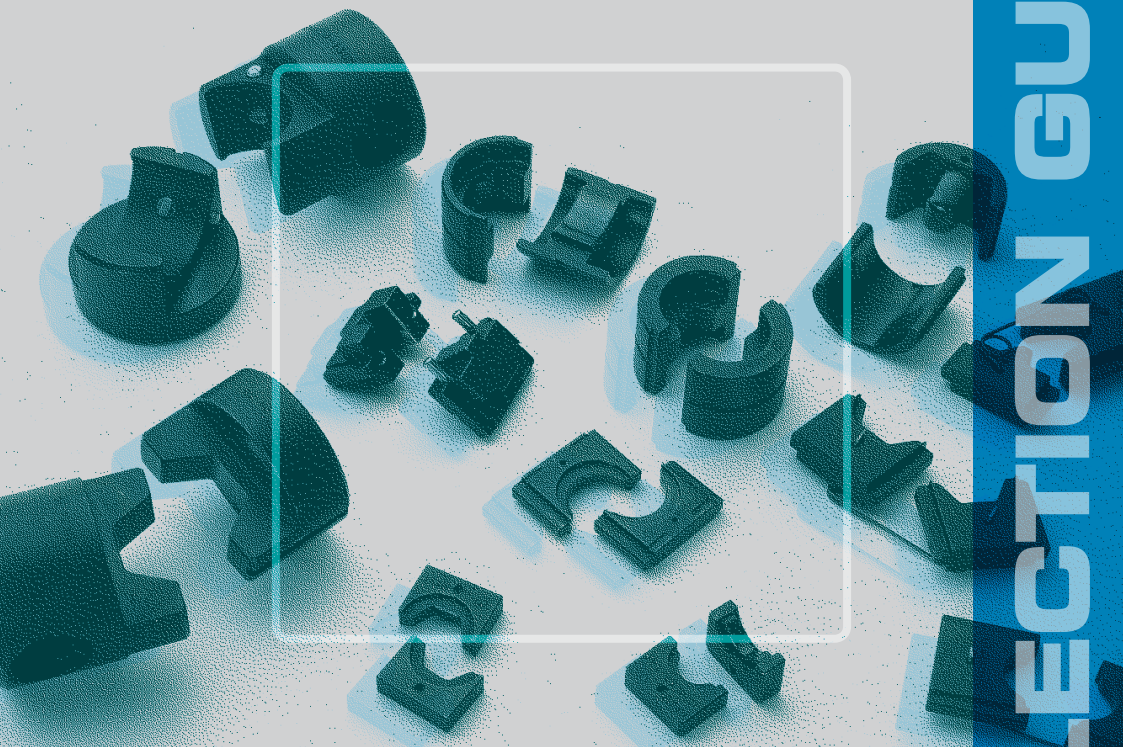




C e m b r e



FOR CEMBRE
HYDRAULIC CRIMPING
TOOLS AND HEADS



Certified Quality
Management System



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com

DIE SELECTION GUIDE

DIE SELECTION GUIDE

TOOL	PAGE No.
B15D	1
B35-45D	2
B35-50D	4
B54D-D6	7
HT45-E	8
HT51, RH50, RHM50 & HT 51-KV	10
B51, B51-KV, B51L, B51L-KV, B55 & B55-KV	10
HT81-U & RHU81	13
HT120 & HT120-KV	17
HT131-C, RHC131, HT131LN-C, RHC131LN, RHM132, HT131-UC & RHU131-C ..	17
B131-C, B131-C-KV, B131LN-C, B131-UC, B135-C, B135-C-KV, B135LN-C & B135-UC	17
ECW-H3D	24
RHU520	31

Tooling calibration, refurbishment and repair services are available in-house at our UK centre in Curdworth.

Our Quality Management System has been assessed and approved by LLOYDS REGISTER QUALITY ASSURANCE for “the design, manufacture and sales of electrical connectors and associated tooling, cable accessories, marking systems, tooling and products for railway applications. In house repair, refurbishment and calibration of tooling” to meet the following quality assurance standard: BS EN ISO 9001 : 2008

DIE SELECTION GUIDE FOR B15D

Copper Tube Connectors

Copper Conductor sqmm Low str. Flex.	Connector		Hexagonal Crimp		Indent Crimp	
	Terminal Lug	Through Connector	Die Set	No. of Crimps*	Die Set	No. of Crimps*
0.25 - 2.5	A03-M A06-M	L03-M L06-M	ME03/2-15	1	MA03/3-15	1
4 - 6	A1-M	L1-M	ME03/2-15	1	MA03/3-15	1
10	A2-M A2-P12	L2-M	ME03/2-15 ME2/3-15	1	MA03/3-15	1
16	A3-M A3-P14	L3-M	ME2/3-15	1	MA03/3-15	1

* No. of Crimps per end for Through Connectors

Nylon Insulated Copper Connectors

Copper Conductor sqmm Flexible	Terminal Lug			Die Set	No. of Crimps
10	ANE2-M	ANE2-P12	ANE2-U	NN4-15	1
16	ANE3-M	ANE3-P14	ANE3-U		1

End Sleeves

Copper Conductor sqmm Flexible	Connector			Die Set
0.3 - 4	PKE 508 - PKE 418	PKC 508 - PKC 418	KE 506 - KE 412	KE4-15
4 - 16	PKE 410 - PKE 1618	PKC 410 - PKC 1618	KE 410 - KE 1616	KE16-15
16	PKE16	PKC16	KE16	KE35-15
25	PKE25	PKC25	KE25	
35		PKC35	KE35	

CS4 Connectors in photovoltaic installations

Copper Conductor sqmm Flexible	Connector	Die Set
2.5 - 4 - 6	CS411 - CS412 - CS420	MCS4-15

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR B35-45D

Copper Tube Connectors

Copper Conductor sqmm Low str. Flex.		Connector		Hexagonal Crimp		Indent Crimp		
		Terminal Lug	Through Connector	Die Set	No. of Crimps*	Nest	Indentor	No. of Crimps*
4 - 6		A1-M	L1-M	ME1	1	MA1	PA1	1
10		A2-M A2-P12	L2-M	ME2	1	MA2.3	PA5	1
16		A3-M A3-P14	L3-M	ME3	1			1
25		A5-M A5-P16	L5-M	ME5	1			MA5
35	25 35	A7-M A7-P20	L7-M	ME7	1	MA7	PA10	1
				ME9	1	MA9		1
50	50	A10-M A10-P25	L10-M	ME10	2	MA10		
		50	A12-M		ME12	2		
70	70	A14-M A14-P30	L14-M	ME14	2			
		70	A17-M		ME17	2		
95	95	A19-M	L19-M	ME19	2			
		95	A20-M		ME20	2		
120	120	A24-M	L24-M	ME24L	2			
		120	A29-M		ME29	3		
150	150	A30-M	L30-M	ME30L	3			

* No. of Crimps per end for Through Connectors

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR B35-45D

Copper “C” Connectors

Copper Conductor sqmm		Connector	Die Set	No. of Crimps
Run	Tap			
6 - 2.5	6 - 1.5	C6-C6	MC6	1
10	10 - 1.5	C10-C10	MC10	1
16	16 - 1.5	C16-C16	MC25	2
25 - 16	10 - 1.5	C25-C10		
25	25 - 16	C25-C25		
40 - 35	16 - 1.5	C35-C16	MC35	2
40 - 35	40 - 25	C35-C35		
50	25 - 10			

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR B35-50D

Copper Tube Connectors

Copper Conductor sqmm Low str. Flex.		Connector		Hexagonal Crimp		Indent Crimp		
		Terminal Lug	Through Connector	Die Set	No. of Crimps*	Nest	Indentor	No. of Crimps*
4 - 6		A1-M	L1-M	ME1-50	1	MA1-50	PA1-50	1
10		A2-M A2-P12	L2-M	ME2-50	1	MA2.3-50	PA5-50	1
16		A3-M A3-P14	L3-M	ME3-50	1			1
25		A5-M A5-P16	L5-M	ME5-50	1			MA5-50
35	25 35	A7-M A7-P20	L7-M	ME7-50	1	MA7-50	PA10-50	1
				ME9-50	1	MA9-50		1
50	50	A10-M A10-P25	L10-M	ME10-50	2	MA10-50		
				ME12-50	2	MA12-50	PA19-50	1
70	70	A14-M A14-P30	L14-M	ME14-50	2	MA14-50		1
				ME17-50	2	MA17-50		1
95	95	A19-M	L19-M	ME19-50	2	MA19-50		1
				ME20-50	2	MA20-50		1
120	120	A24-M	L24-M	ME24L-50	2	MA24-50	PA24-50	1
				ME29-50	3			
150	150	A30-M	L30-M	ME30L-50	3			

* No. of Crimps per end for Through Connectors

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR B35-50D

Copper “C” Connectors

Copper Conductor sqmm		Connector	Die Set	No. of Crimps
Run	Tap			
10	10 - 1.5	C10-C10	MC10-50	1
16	16 - 1.5	C16-C16	MC25-50	2
25 - 16	10 - 1.5	C25-C10		
25	25 - 16	C25-C25	MC35-50	2
40 - 35	16 - 1.5	C35-C16		
40 - 35	40 - 25	C35-C35		
50	25 - 10			

Nylon Insulated Copper Connectors

Copper Conductor sqmm Flexible	Terminal Lug			Die Set	No. of Crimps
	ANE2-M	ANE2-P12	ANE2-U		
10	ANE2-M	ANE2-P12	ANE2-U	MN2RF-50	1
16	ANE3-M	ANE3-P14	ANE3-U	MN3RF-50	1
25	ANE5-M	ANE5-P16		MN5RF-50	1
25 - 35	ANE7-M	ANE7-P20		MN7RF-50	1
35	ANE9-M			MN7RF-50	1
50	ANE10-M			MN10RF-50	1
50	ANE12-M			MN12F-50	1

Further assistance from Cembre Ltd
 Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR B35-50D

End Sleeves

Copper Conductor sqmm Flexible	Connector	Die Set
16	PKE16	MTT16-50
	PKC16	
	KE16	
25	PKE25	MTT25-50
	PKC25	
	KE25	
35	PKC35	MTT35-50
	KE35	
50	PKC50	MTT50-50
	KE50	
70	KE70	MTT70-50
95	KE95	MTT95-50

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR B54D-D6

Overhead Line Fittings

Die Index	Die Set
161	MUT9999-W
162	MUT9998-W
163	MUT9997-W
164	MUT9996-W
166	MUT9995-W
167	MUT9958-W
203	MUT9943-W
204	MUT9941-W
239	MUT9993-W
243	MUT9991-W
247	MUT9954-W
249	MUT9990-W
373	MUT9989-W
659	MUT9987-W
699	MUT9985-W
BG	FIXED JAW/MUT9984-W
C	MUT9983-W
E	MUT9982-50/MC70-50
D3	D3 JAW
O	MUT9980-W

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 45-E

Copper Tube Connectors

Copper Conductor sqmm Low str. Flex.		Connector		Hexagonal Crimp		Indent Crimp		
		Terminal Lug	Through Connector	Die Set	No. of Crimps*	Nest	Indentor	No. of Crimps*
4 - 6		A1-M	L1-M	ME1	1	MA1	PA1	1
10		A2-M A2-P12	L2-M	ME2	1	MA2.3	PA5	1
16		A3-M A3-P14	L3-M	ME3	1			1
25		A5-M A5-P16	L5-M	ME5	1			MA5
35	25 35	A7-M A7-P20	L7-M	ME7	1	MA7	PA10	1
	35	A9-M		ME9	1	MA9		1
50	50	A10-M A10-P25	L10-M	ME10	2	MA10		1
	50	A12-M		ME12	2			
70	70	A14-M A14-P30	L14-M	ME14	2			
	70	A17-M		ME17	2			
95	95	A19-M	L19-M	ME19	2			
	95	A20-M		ME20	2			
120	120	A24-M	L24-M	ME24	2			
	120	A29-M		ME29	3			
150	150	A30-M	L30-M	ME30	3			

* No. of Crimps per end for Through Connectors

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 45-E

Copper “C” Connectors

Copper Conductor sqmm		Connector	Die Set	No. of Crimps
Run	Tap			
6 - 2.5	6 - 1.5	C6-C6	MC6	1
10	10 - 1.5	C10-C10	MC10	1
16	16 - 1.5	C16-C16	MC25	2
25 - 16	10 - 1.5	C25-C10		
25	25 - 16	C25-C25		
40 - 35	16 - 1.5	C35-C16	MC35	2
40 - 35	40 - 25	C35-C35		
50	25 - 10			

Overhead Line Fittings

Die Index	Die Set
C	MUT9983
BG	MC25D
698	MUT9986
659	MUT9987
249	MUT9990
243	MUT9991
239	MUT9993
166	MUT9995
164	MUT9996
163	MUT9997
162	MUT9998
161	MUT9999

Further assistance from Cembre Ltd
 Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 51

Also applicable for RH50, RHM50**, HT51-KV, B51, B51-KV, B51L, B51L-KV, B55 & B55-KV

Copper Tube Connectors

Copper Conductor sqmm Low str. Flex.		Connector		Hexagonal Crimp		Indent Crimp		
		Terminal Lug	Through Connector	Die Set	No. of Crimps*	Nest	Indentor	No. of Crimps*
4 - 6		A1-M	L1-M	ME1-50	1	MA1-50	PA1-50	1
10		A2-M A2-P12	L2-M	ME2-50	1	MA2.3-50	PA5-50	1
16		A3-M A3-P14	L3-M	ME3-50	1			1
25		A5-M A5-P16	L5-M	ME5-50	1			MA5-50
35	25 35	A7-M A7-P20	L7-M	ME7-50	1	MA7-50	PA10-50	1
		A9-M		ME9-50	1	MA9-50		1
50	50	A10-M A10-P25	L10-M	ME10-50	2	MA10-50		
		A12-M		ME12-50	2	MA12-50	PA19-50	1
70	70	A14-M A14-P30	L14-M	ME14-50	2	MA14-50		1
		A17-M		ME17-50	2	MA17-50		1
95	95	A19-M	L19-M	ME19-50	2	MA19-50		1
		A20-M		ME20-50	2	MA20-50	1	
120	120	A24-M	L24-M	ME24-50	2	MA24-50	PA24-50	1
		A29-M		ME29-50	3			
150	150	A30-M	L30-M	ME30-50	3			
		A35-M		ME35-50	3			
185	185	A37-M	L37-M	ME37-50	3			
		A40-M		ME40-50 #	3			
240	240	A48-M	L48-M	ME48-50 #	3			

Fits silver head versions only

* No. of Crimps per end for Through Connectors

** Not suitable for Through Connectors

ABC Conductor Fittings

Die Set	Connector
M83-50	Various insulated fittings
M140-50	
M173-50	
M215-50	

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 51

Also applicable for RH50, RHM50**, HT51-KV, B51, B51-KV, B51L, B51L-KV, B55 & B55-KV

Copper “C” Connectors

Copper Conductor sqmm		Connector	Die Set	No. of Crimps
Run	Tap			
10	10 - 1.5	C10-C10	MC10-50	1
16	16 - 1.5	C16-C16	MC25-50	2
25 - 16	10 - 1.5	C25-C10		
25	25 - 16	C25-C25		
40 - 35	16 - 1.5	C35-C16	MC35-50	2
40 - 35	40 - 25	C35-C35		
50	25 - 10			
70 - 63	25 - 1.5	C70-C25N		
50	25 - 4	C50-C25	MC70-50	3
*50	50 - 35	C50-C50		
*70 - 63	40 - 4	C70-C35		
*70 - 63	70 - 35	C70-C70		

* *Annealed conductor only*

** *Not suitable for “C” Connectors*

Nylon Insulated Copper Connectors

Copper Conductor sqmm Flexible	Terminal Lug			Die Set	No. of Crimps
	ANE2-M	ANE3-P12	ANE2-U		
10	ANE2-M	ANE2-P12	ANE2-U	MN2RF-50	1
16	ANE3-M	ANE3-P14	ANE3-U	MN3RF-50	1
25	ANE5-M	ANE5-P16		MN5RF-50	1
25 - 35	ANE7-M	ANE7-P20		MN7RF-50	1
35	ANE9-M			MN7RF-50	1
50	ANE10-M			MN10RF-50	1
50	ANE12-M			MN12F-50	1
70	ANE17-M			MN17F-50	1

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 51

Also applicable for RH50, RHM50**, HT51-KV, B51, B51-KV, B51L, B51L-KV, B55 & B55-KV

Overhead Line Fittings

Die Index	Die Set
161	MUT9999-50
162	MUT9998-50
163	MUT9997-50
164	MUT9996-50
166	MUT9995-50
203	MUT9943-50
239	MUT9993-50
243	MUT9991-50
247	MUT9954-50
249	MUT9990-50
373	MUT9989-50
654	MUT9975-50
658	MUT9988-50
659	MUT9987-50
698	MUT9986-50
699	MUT9985-50
BG	MUT9984-50/MC25-50
C	MUT9983-50/MC35-50
E	MUT9982-50/MC70-50
D3	MUT9981-50
O	MUT9980-50

End Sleeves

Copper Conductor sqmm Flexible	Connector	Die Set
16	PKE16	MTT16-50
	PKC16	
	KE16	
25	PKE25	MTT25-50
	PKC25	
	KE25	
35	PKC35	MTT35-50
	KE35	
50	PKC50	MTT50-50
	KE50	
70	KE70	MTT70-50
95	KE95	MTT95-50
120	KE120	MTT120-50

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT81-U

Also applicable for RHU81

Copper Tube Connector

Copper Conductor sqmm Low Str. Flex.		Connector		Hexagonal Crimp Die Set	No. of Crimps*	Indent Crimp Die Set	No. of Crimps*
		Terminal Lug	Through Connector				
10		A2-M A2-P12	L2-M	ME2.19-U	1	MA3.5-U	1
16		A3-M A3-P14	L3-M	ME3.14-U	1		
25		98145,451 A5-P16	98145,451	98145,451	1		
35	25 35	A7-M A7-P20	L7-M			MA7.14-U	1
	35	A9-M		ME9.20-U	1	MA9.17-U	1
50	50	A10-M A10-P25	L10-M	ME10.24-U	2	MA10.19-U	1
	50	A12-M		ME12.17-U	2	MA12.20-U	1
70	70	A14-M A14-P30	L14-M	ME3.14-U	2	MA7.14-U	1
	70	A17-M		ME12.17-U	2	MA9.17-U	1
95	95	A19-M	L19-M	ME2.19-U	2	MA10.19-U MA19-U	1
	95	A20-M		ME9.20-U	2	MA12.20-U	1
120	120	A24-M	L24-M	ME10.24-U	2	MA24-U	1
	120	A29-M		ME29-U	2	MA29-80-U	1
150	150	A30-M	L30-M	ME30-U	2	MA30-80-U	1
	150	A35-M		ME35-U	2	MA35-U	2
185	185	A37-M	L37-M	ME37-U	2	MA37-U	2
	185	A40-M		ME40-U	3	MA40-U	2
240	240	A48-M	L48-M	ME48-U	3	MA48-U	3

* No. of Crimps per end for Through Connectors

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT81-U

Also applicable for RHU81

Copper “C” Connectors

Copper Conductor sqmm		Connector	Die Set	No. of Crimps
Run	Tap			
6 - 2.5	6 - 1.5	C6-C6	MC6.25-U	1
10	10 - 1.5	C10-C10	MC10-U	1
16	16 - 1.5	C16-C16	MC6.25-U MC25-U	1
25 - 16	10 - 1.5	C25-C10		
25	25 - 16	C25-C25		
40 - 35	16 - 1.5	C35-C16	MC35-U	1
40 - 35	40 - 25	C35-C35		
50	25 - 10			
70 - 63	25 - 1.5	C70-C25N		
50	25 - 4	C50-C25	MC70-80U	3
50	50 - 35	C50-C50		
70 - 50	40 - 4	C70-C35		
70 - 50	70 - 35	C70-C70		
100 - 95	40 - 4	C95-C35	MC95-80U	3
100 - 95	70 - 40	C95-C70		
100 - 95	100 - 63	C95-C95		

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT81-U

Also applicable for RHU81

High Voltage Copper Connectors

Copper Conductor sqmm	Through Connector		Pin Connector	Die Set	No. of Crimps*
25R - 35RC	MT25-TD	MT25-GC	MT25-C	MMT25-U	1
35S - 40S	MT40S-TD	MT40S-GC	MT40S-C	MMT50-U	1
50RC	MT50R-TD	MT50R-GC	MT50R-C		
50S	MT50S-TD	MT50S-GC	MT50S-C		
63S - 70S	MT70S-TD	MT70S-GC	MT70S-C	MMT95-U	1
80S - 95RC	MT95R-TD	MT95R-GC	MT95R-C		
95S - 100S	MT95S-TD	MT95S-GC	MT95S-C		
120S - 150RC	MT150R-TD	MT150R-GC	MT150R-C	MMT200-U	1
150S - 160RC	MT150S-TD	MT150S-GC	MT150S-C		2
160S - 200RC	MT200R-TD	MT200R-GC	MT200R-C		

* No. of Crimps per end for Through Connectors

High Voltage Copper Connectors

(CA...range)

Copper Conductor sqmm	Terminal Lug		Die Set	No. of Crimps
25R - 35RC	CA25-M	CA25-2M	MMT25-U	2
35S - 40S	CA40S-M	CA40S-2M	MMT50-U	2
50RC	CA50R-M	CA50R-2M		
50S	CA50S-M	CA50S-2M		
63S - 70S	CA70S-M	CA70S-2M	MMT95-U	3
80S - 95RC	CA95R-M	CA95R-2M		
95S - 100S	CA95S-M	CA95S-2M		
120S - 150RC	CA150R-M	CA150R-2M	MMT200-U	3
150S - 160RC	CA150S-M	CA150S-2M		
160S - 200RC	CA200R-M	CA200R-2M		

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 81-U

Also applicable for RHU 81

High Voltage Copper Connectors

(IEC228/BS6360 conductors only)

Copper Conductor sqmm	Through Connector		Pin Connector	Die Set	N° of Crimps*
25	MT25-TD	MT25-GC	MT25-C..	MMT25-U	1
35	MT35-TD	MT35-GC	MT35-C..	MMT50-U	1
50	MT50-TD	MT50-GC	MT50-C..		
70	MT70S-TD	MT70S-GC	MT70S-C..	MMT95-U	1
95	MT95-TD	MT95-GC	MT95-C..		
120	MT120-TD	MT120-GC	MT120-C..	MMT200-U	1
150	MT150-TD	MT150-GC	MT150-C..		
185	MT185-TD	MT185-GC	MT185-C..		

* No. of Crimps per end for Through Connectors

High Voltage Copper Connectors

(CA...range) (IEC228/BS6360 conductors only)

Copper Conductor sqmm	Terminal Lug		Die Set	No. of Crimps*
25	CA25-M	CA25-2M	MMT25-U	2
35	CA35-M	CA35-2M	MMT50-U	2
50	CA50-M	CA50-2M		
70	CA70S-M	CA70S-2M	MMT95-U	3
95	CA95-M	CA95-2M		
120	CA120-M	CA120-2M	MMT200-U	3
150	CA150-M	CA150-2M		
185	CA185-M	CA185-2M		

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 131-C

Also applicable for

HT120, HT 131LN-C, HT131-UC, RHC131, RHC131LN, RHU131-C, RHM 132**,
B131-C, B131-C-KV, B131LN-C, B131-UC, B135-C, B135-C-KV, B135LN-C, B135-UC

Copper Tube Connectors

Copper Conductor sqmm Low Str. Flex.		Connector		Hexagonal Crimp		Indent Crimp		
		Terminal Lug	Through Connector	Die Set	No. of Crimps*	Nest	Indenter	No. of Crimps*
4 - 6		A1-M	L1-M					
10		A2-M A2-P12	L2-M	ME2-C	1	MA2-C	PA10-C	1
16		A3-M A3-P14	L3-M	ME3-C	1	MA3-C		
25		A5-M A5-P16	L5-M	ME5-C	1	MA5-C		
35	25 35	A7-M A7-P20	L7-M	ME7-C	1	MA7-C		
	35	A9-M		ME9-C	1	MA9-C		
50	50	A10-M A10-P25	L10-M	ME10-C	1	MA10-C		
	50	A12-M		ME12-C	1	MA12-C	PA24-C	1
70	70	A14-M A14-P30	L14-M	ME14-C	1	MA14-C		
	70	A17-M		ME17-C	1	MA17-C		
95	95	A19-M	L19-M	ME19-C	1	MA19-C		
	95	A20-M		ME20-C	1	MA20-C		
120	120	A24-M	L24-M	ME24-C	1	MA24-C		
	120	A29-M		ME29-C	1	MA29-C	PA48-C	1
150	150	A30-M	L30-M	ME30-C	1	MA30-C		
	150	A35-M		ME35-C	1	MA35-C		
185	185	A37-M	L37-M	ME37-C	1	MA37-C		
	185	A40-M		ME40-C	1	MA40-C		
240	240	A48-M	L48-M	ME48-C	2	MA48-C		
300	240 300	A60-M A60-4ESI	L60-M	ME60-C	3	MA60-C	PA60-C	1
400	300	A80-M A80-4ESI	L80-M	ME80-C	3			

* No. of Crimps per end for Through Connectors

** Not suitable for Through Connectors

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 131-C

Also applicable for

HT120, HT 131LN-C, HT131-UC, RHC131, RHC131LN, RHU131-C, RHM 132, B131-C, B131-C-KV, B131LN-C, B131-UC, B135-C, B135-C-KV, B135LN-C, B135-UC

Nylon Insulated Copper Tube Connectors

Copper Conductor Flexible sqmm	Terminal Lug			Radial Crimp		Indent Crimp		
				Die Set	No. of Crimps	Nest	Indentor	No. of Crimps
10	ANE2-M	ANE2-P12	ANE2-U	MN2RF-C	1	MN2-C	PN7-C	1
16	ANE3-M	ANE3-P14	ANE3-U	MN3RF-C	1	MN3-C		
25	ANE5-M	ANE-P16		MN5RF-C	1	MN5-C		
25 - 35	ANE7-M	ANE7-P20		MN7RF-C	1	MN7-C	PN14-C	1
35	ANE9-M					MN9-C		
50	ANE12-M			MN12F-C	1	MN12-C	PN24-C	1
70	ANE17-M			MN17F-C	1	MN17-C		
95	ANE20-M			MN20F-C	1	MN20-C		
120	ANE29-M			MN29F-C	1	MN29-C	PN37-C	1
150	ANE35-M			MN35F-C	1	MN35-C		

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 131-C

Also applicable for

HT120, HT 131LN-C, HT131-UC, RHC131, RHC131LN, RHU131-C,
B131-C, B131-C-KV, B131LN-C, B131-UC, B135-C, B135-C-KV, B135LN-C, B135-UC

Copper “C” Connectors

Copper Conductor sqmm		Connector	Circular Crimp Die Set	No. of Crimps
Run	Tap			
10	10 - 1.5	C10-C10	MC10-C	1
16	16 - 1.5	C16-C16	MC25-C	1
25 - 16	10 - 1.5	C25-C10		
25	25 - 16	C25-C25		
40 - 35	16 - 1.5	C35-C16	MC35-C	1
40 - 35	40 - 25	C35-C35		
50	25 - 10			
70 - 63	25 - 1.5	C70-C25N		
50	25 - 4	C50-C25	MC70-C	3
50	50 - 35	C50-C50		
70 - 50	40 - 4	C70-C35		
70 - 50	70 - 35	C70-C70		
100 - 95	40 - 4	C95-C35	MC95-C	3
100 - 95	70 - 40	C95-C70		
100 - 95	100 - 63	C95-C95		
125 - 110	125 - 25	C120-C120	MC185-C	3
160 - 150	125 - 25	C150-C120		
185	100 - 16	C185-C95		

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 131-C

Also applicable for

HT120, HT 131LN-C, HT131-UC, RHC131, RHC131LN, RHU131-C, RHM 132**,
B131-C, B131-C-KV, B131LN-C, B131-UC, B135-C, B135-C-KV, B135LN-C, B135-UC

High Voltage Copper Connectors

Copper Conductor sqmm	Connector			Crimping Die Set	No. of Crimps*
	Through Connector		Pin Connector		
25R - 35RC	MT25-TD	MT25-GC	MT25-C	MMT25-C	1
35S - 40S	MT40S-TD	MT40S-GC	MT40S-C	MMT50-C	1
50RC	MT50R-TD	MT50R-GC	MT50R-C		
50S	MT50S-TD	MT50S-GC	MT50S-C		
63S - 70S	MT70S-TD	MT70S-GC	MT70S-C	MMT95-C	1
80S - 95RC	MT95R-TD	MT95R-GC	MT95R-C		
95S - 100S	MT95S-TD	MT95S-GC	MT95S-C		
120S - 150RC	MT150R-TD	MT150R-GC	MT150R-C	MMT200-C	1
150S - 160RC	MT150S-TD	MT150S-GC	MT150S-C		2
160S - 200RC	MT200R-TD	MT200R-GC	MT200R-C		
200S - 240RC	MT240R-TD	MT240R-GC	MT240R-C	MMT315-C	2
240S - 315RC	MT315R-TD	MT315R-GC	MT315R-C		
315S	MT315S-TD	MT315S-GC	MT315S-C		
400R	MT400-TD			ME80-C	3

* No. of Crimps per end for Through Connectors

** Not suitable for Through Connectors

Copper Conductor sqmm	Terminal Lug		Crimping Die Set	No. of Crimps
25R - 35RC	CA25-M	CA25-2M	MMT25-C	2
35S - 40S	CA40S-M	CA40S-2M	MMT50-C	2
50RC	CA50R-M	CA50R-2M		
50S	CA50S-M	CA50S-2M		
63S - 70S	CA70S-M	CA70S-2M	MMT95-C	2
80S - 95RC	CA95R-M	CA95R-2M		3
95S - 100S	CA95S-M	CA95S-2M		
120S - 150RC	CA150R-M	CA150R-2M	MMT200-C	3
150S - 160RC	CA150S-M	CA150S-2M		
160S - 200RC	CA200R-M	CA200R-2M		
200S - 240RC	CA240R-M	CA240R-2M	MMT315-C	2
240S - 315RC	CA315R-M	CA315R-2M		
315S	CA315S-M	CA315S-2M		
400R	2A80-M	2A80-2M	ME80-C	5

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 131-C

Also applicable for

HT120, HT 131LN-C, HT131-UC, RHC131, RHC131LN, RHU131-C, RHM 132**,
B131-C, B131-C-KV, B131LN-C, B131-UC, B135-C, B135-C-KV, B135LN-C, B135-UC

High Voltage Copper Connectors

(IEC228/BS6360 conductors only)

Copper Conductor sqmm	Through Connector		Pin Connector	Die Set	No. of Crimps*
	Through Connector	Through Connector			
25	MT25-TD	MT25-GC	MT25-C...	MMT25-C	1
35	MT35-TD	MT35-GC	MT35-C...	MMT50-C	1
50	MT50-TD	MT50-GC	MT50-C...		
70	MT70S-TD	MT70S-GC	MT70S-C...	MMT95-C	1
95	MT95-TD	MT95-GC	MT95-C...		
120	MT120-TD	MT120-GC	MT120-C...	MMT200-C	1
150	MT150-TD	MT150-GC	MT150-C...		
185	MT185-TD	MT185-GC	MT185-C...		
240	MT240-TD	MT240-GC	MT240-C...	MMT315-C	1
300	MT300-TD	MT300-GC	MT300-C...		
400	MT400-TD			ME80-C	3

* No. of Crimps per end for Through Connectors

** Not suitable for Through Connectors

High Voltage Copper Connectors

(CA...range) (IEC228/BS6360 conductors only)

Copper Conductor sqmm	Terminal Lug		Die Set	No. of Crimps
	Terminal Lug	Terminal Lug		
25	CA25-M	CA25-2M	MMT25-C	2
35	CA35-M	CA35-2M	MMT50-C	2
50	CA50-M	CA50-2M		
70	CA70S-M	CA70S-2M	MMT95-C	2
95	CA95-M	CA95-2M		3
120	CA120-M	CA120-2M	MMT200-C	3
150	CA150-M	CA150-2M		
185	CA185-M	CA185-2M		
240	CA240-M	CA240-2M	MMT315-C	2
300	CA300-M	CA300-2M		
400	2A80-M	2A80-2M	ME80-C	5

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 131-C

Also applicable for

HT120, HT 131LN-C, HT131-UC, RHC131, RHC131LN, RHU131-C, RHM 132,
B131-C, B131-C-KV, B131LN-C, B131-UC, B135-C, B135-C-KV, B135LN-C, B135-UC

Heavy Duty Copper Tube Terminals

Copper Conductor sqmm		Terminal Lug	Hexagonal Crimp	
			Die Set	No. of Crimps
Low Str.	Flex.			
16		2A3-M	ME3-C	2
25		2A5-M	ME5-C	2
35	25 35	2A7-M	ME7-C	2
50	35 - 50	2A10-M	ME10-C	2
70	50 - 70	2A14-M	ME14-C	2
95	70 - 95	2A19-M	ME19-C	2
120	95 - 120	2A24-M	ME24-C	3
150	120 - 150	2A30-M	ME30-C	3
185	150 - 185	2A37-M	ME37-C	3
240	185 - 240	2A48-M	ME48-C	3
300	240 - 300	2A60-M	ME60-C	5
400	300	2A80-M	ME80-C	5

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR HT 131-C

Also applicable for

HT120, HT 131LN-C, HT131-UC, RHC131, RHC131LN, RHU131-C, RHM 132,
B131-C, B131-C-KV, B131LN-C, B131-UC, B135-C, B135-C-KV, B135LN-C, B135-UC

Overhead Line Fittings

Die Index	Die Set	Die Index	Die Set
161	MUT9999-C	317	MUT9965-C
162	MUT9998-C	322	MUT9971-C
163	MUT9997-C	327	MUT9961-C
164	MUT9996-C	490	MUT9966-C
166	MUT9995-C	642	MUT9970-C
167	MUT9958-C	654	MUT9975-C
168	MUT9974-C	655	MUT9968-C
169	MUT9979-C	658	MUT9988-C
170	MUT9973-C	659	MUT9987-C
203	MUT9943-C	698	MUT9986-C
204	MUT9942-C	699	MUT9985-C
209	MUT9972-C	708	MC185-C
239	MUT9993-C	756	MUT9964-C
242	MUT9967-C	790	MUT9969-C
243	MUT9991-C	BG	MUT9984-C
249	MUT9990-C	C	MUT9983-C
253	MUT9957-C	D3	MUT9981-C
255	MUT9962-C	E	MUT9982-C
261	MUT9956-C	F	MUT9960-C
305	MUT9977-C	N	MUT9955-C
316	MUT9976-C	O	MUT9980-C

ABC Conductor Fittings

Die Set	Connector
M83-C	Various Insulated Fittings
M140-C	
M173-C	
M215-C	

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR ECW-H3D

Copper Tube Connectors

Copper Conductor sqmm Low Str. Flex.		Connector		Hexagonal Crimp		Indent Crimp		
		Terminal Lug	Through Connector	Die Set	No. of Crimps*	Nest	Indentor	No. of Crimps*
10		A2-M A2-P12	L2-M	Adaptor AU230-130D with Die Set ME...-C	Refer to HT131-C Die Selector Chart	Adaptor AU230-130D with Die Set MA-C and Indentor PA-C		Refer to HT131-C Die Selection Guide
16		A3-M A3-P14	L3-M					
25		A5-M A5-P16	L5-M					
35	25 35	A7-M A7-P20	L7-M					
	35	A9-M						
50		A10-M A10-P25	L10-M					
	50	A12-M						
70		A14-M A14-P30	L14-M					
	70	A17-M						
95		A19-M	L19-M					
	95	A20-M						
120		A24-M	L24-M					
	120	A29-M						
150		A30-M	L30-M					
	150	A35-M						
185		A37-M	L37-M					
	185	A40-M						
240		A48-M	L48-M					
300	240	A60-M A60-4ESI	L60-M					
400	300	A80-M A80-4ESI	L80-M					
500	400	A100-M A100-4ESI	L100-M	ME100-3D	2	MA100-3D		
630	500	A120-M A120-4ESI	L120-M	ME120-3D	2	MA120-3D	PA120-3D	1

* No. of Crimps per end for Through Connectors

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR ECW-H3D

Heavy Duty Copper Tube Connectors

Copper Conductor sqmm		Terminal Lug	Hexagonal Crimp	
Low Str.	Flex.		Die Set	No. of Crimps
4-6			Adaptor AU230-130D with Die Set ME-C	Refer to HT131-C Die Selection Guide
10				
16		2A3-M		
25		2A5-M		
35	25	2A7-M		
	35			
50	50	2A10-M		
70	70	2A14-M		
95	95	2A19-M		
120	120	2A24-M		
150	150	2A30-M		
185	185	2A37-M		
240	240	2A48-M		
300	240	2A60-M		
	300			
400	300	2A80-M	ME80-3D	3
500	400	2A100-M	ME100-3D	3
630	500	2A120-M	ME120-3D	4

Further assistance from Cembre Ltd
 Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR ECW-H3D

Nylon Insulated Copper Connectors

Copper Conductor sqmm	Connector			Crimping Die Set	No. of Crimps
	Lug	Pin	Fork		
10	ANE2-M	ANE2-P12	ANE2-U	Adaptor AU230-130D with Nest MN-C and Indentor PN-C or with Die Set MN..RF-C	Refer to HT131-C Die Selection Guide
16	ANE3-M	ANE3-P14	ANE3-U		
25	ANE5-M	ANE5-P16			
25 - 35	ANE7-M	ANE7-P20			
35	ANE9-M				
50	ANE12-M				
70	ANE17-M				
95	ANE20-M				
120	ANE29-M				
150	ANE35-M				

Further assistance from Cembre Ltd
 Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR ECW-H3D

Copper “C” Connectors

Copper Conductor sqmm		Connector	Die Set	No. of Crimps
Run	Tap			
10	10 - 1.5	C10-C10	Adaptor AU230-130D with Die Set MC-C	Refer to HT131-C Die Selection Guide
16	16 - 1.5	C16-C16		
25 - 16	10 - 1.5	C25-C10		
25	25 - 16	C25-C25		
40 - 35	16 - 1.5	C35-C16		
40 - 35	40 - 25	C35-C35		
50	25 - 10			
70 - 63	25 - 1.5	C70-C25N		
50	25 - 4	C50-C25	MC70-3D	3
50	50 - 35	C50-C50		
70 - 50	40 - 4	C70-C35		
70 - 50	70 - 35	C70-C70		
100 - 95	40 - 4	C95-C35	MC95-3D	3
100 - 95	70 - 40	C95-C70		
100 - 95	100 - 63	C95-C95		
125 - 110	125 - 25	C120-C120	MC185-3D	3
160 - 150	125 - 25	C150-C120		
185	100 - 16	C185-C95		

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR ECW-H3D

High Voltage Copper Connectors

(IEC228/BS6360 conductors only)

Copper Conductor sqmm	Through Connector			Die Set	No. of Crimps*
25	MT25-TD	MT25-GC	MT25-C..	Adaptor AU230-130D with Die Set MMT...-C	Refer to HT131-C Die Selection Guide
35	MT35-TD	MT35-GC	MT35-C..		
50	MT50-TD	MT50-GC	MT50-C..		
70	MT70S-TD	MT70S-GC	MT70S-C..		
95	MT95-TD	MT95-GC	MT95-C..		
120	MT120-TD	MT120-GC	MT120-C..		
150	MT150-TD	MT150-GC	MT150-C..		
185	MT185-TD	MT185-GC	MT185-C..		
240	MT240-TD	MT240-GC	MT240-C..		
300	MT300-TD	MT300-GC	MT300-C..		
400	MT400-TD			ME80-3D	2
500	MT500-TD			ME100-3D	2
630	MT630-TD			ME120-3D	2

* No. of Crimps per end for Through Connectors

High Voltage Copper Connectors

(CA... range) (IEC228/BS6360 conductors only)

Copper Conductor sqmm	Terminal Lug		Die Set	No. of Crimps
25	CA25-M	CA25-2M	Adaptor AU230-130D with Die Set MMT...-C	Refer to HT131-C Die Selection Guide
35	CA35-M	CA35-2M		
50	CA50-M	CA50-2M		
70	CA70S-M	CA70S-2M		
95	CA95-M	CA95-2M		
120	CA120-M	CA120-2M		
150	CA150-M	CA150-2M		
185	CA185-M	CA185-2M		
240	CA240-M	CA240-2M		
300	CA300-M	CA300-2M		
400	2A80-M	2A80-2M	ME80-3D	3
500	2A100-M	2A100-2M	ME100-3D	3
630	2A120-M	2A120-2M	ME120-3D	4

Further assistance from Cembre Ltd

Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR ECW-H3D

High Voltage Copper Connectors

Copper Conductor sqmm	Connector			Crimping Dies	
	Through Connector		Pin Connector	Die Set	N° of Crimps*
25R-35RC	MT25-TD	MT25-GC	MT25-C	Adaptor AU230-130D with Die Set MMT....C	Refer to HT131-C Die Selection Guide
35S-40S	MT40S-TD	MT40S-GC	MT40S-C		
50RC	MT50R-TD	MT50R-GC	MT50R-C		
50S	MT50S-TD	MT50S-GC	MT50S-C		
63S-70S	MT70S-TD	MT70S-GC	MT70S-C		
80S-95RC	MT95R-TD	MT95R-GC	MT95R-C		
95S-100S	MT95S-TD	MT95S-GC	MT95S-C		
120S-150RC	MT150R-TD	MT150R-GC	MT150R-C		
150S-160RC	MT150S-TD	MT150S-GC	MT150S-C		
160S-200RC	MT200R-TD	MT200R-GC	MT200R-C		
200S-240RC	MT240R-TD	MT240R-GC	MT240R-C		
240S-315RC	MT315R-TD	MT315R-GC	MT315R-C		
315S	MT315S-TD	MT315S-GC	MT315S-C		
400R	MT400-TD			MK34-3D	2
500R	MT500-TD			MK38-3D	2
600R-630R	MT630-TD			MK42-3D	2

* No. of Crimps per end for Through Connectors

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR ECW-H3D

High Voltage Copper Connectors (CA.. range)

Copper Conductor sqmm	Terminal Lug		Crimping Dies	
			Die Set	No. of Crimps
25R-35RC	CA25-M	CA25-2M	Adaptor AU230-130D with Die Set MMT..-C	Refer to HT131-C Die Selection Guide
35S-40S	CA40S-M	CA40S-2M		
50RC	CA50R-M	CA50R-2M		
50S	CA50S-M	CA50S-2M		
63S-70S	CA70S-M	CA70S-2M		
80S-95RC	CA95R-M	CA95R-2M		
95S-100S	CA95S-M	CA95S-2M		
120S-150RC	CA150R-M	CA150R-2M		
150S-160RC	CA150S-M	CA150S-2M		
160S-200RC	CA200R-M	CA200R-2M		
200S-240RC	CA240R-M	CA240R-2M		
240S-315RC	CA315R-M	CA315R-2M		
315S	CA315S-M	CA315S-2M		
400R	2A80-M	2A80-2M		
500R	2A100-M	2A100-2M	MK38-3D	3
600R-630R	2A120-M	2A120-2M	MK42-3D	4

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

DIE SELECTION GUIDE FOR RHU520

Copper Tube Connectors

Copper Conductor sqmm		Connector		Hexagonal Crimp		Indent Crimp		
Low Str.	Flex.	Terminal Lug	Through Connector	Die set	No. of Crimps*	Nest	Indentor	No. of Crimps*
400	300	A80-M A80-4ESI	L80-M	ME 80-520 MK34-520	2	MA80-520	PA120-520	1
500	400	A100-M A100-4ESI	L100-M	ME 100-520 MK38-520	2	MA100-520		
630	500	A120-M	L120-M	ME 120-520 MK42-520	2	MA120-520		
800	630	A160-M	L160-M	ME 160-520 MK50P-520	2	MA160-520	PA200-520	1
1000	800	A200-M	L200-M	ME 200-520 MK52-520	2	MA200-520		

* No. of Crimps per end for Through Connectors

Copper Conductor sqmm		Connector	Hexagonal Crimp		Indent Crimp		
Low Str.	Flex.	Terminal Lug	Die set	No. of Crimps	Nest	Indentor	No. of Crimps
400	300	2A80-M	ME 80-520 MK34-520	3	MA80-520	PA120-520	1
500	400	2A100-M	ME 100-520 MK38-520	3	MA100-520		
630	500	2A120-M	ME 120-520 MK42-520	3	MA120-520		
800	630	2A160-M	ME 160-520 MK50P-520	3	MA160-520	PA200-520	1
1000	800	2A200-M	ME 200-520 MK52-520	3	MA200-520		

Further assistance from Cembre Ltd
Tel: 01675 470440 Fax: 01675 470220 E-mail: sales@cembre.co.uk

This manual is the property of Cembre Ltd and any reproduction is forbidden without written permission



Cembre Ltd.
Dunton Park
Kingsbury Road, Curdworth - Sutton Coldfield



**THORNE &
DERRICK
INTERNATIONAL**

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com