





## Copper and Aluminium Cable Lugs / Butt-Connectors and PIN Terminals

Copper and Aluminium Families




### HEXAGONAL COMPRESSION

Copper Connectors	Aluminium Connectors	Tools		Section mm <sup>2</sup>		Die	
				Copper	Aluminium	Code	Ref.
				10		437101	U5-K07
				16		437110	U5-K08
				25	16	437130	U5-K10
				35	25	437150	U5-K11
				50	35	437160	U5-K13
				70	50	437170	U5-K14
				95	70	437180	U5-K17
				120	95	437190	U5-K18
				150	120	437200	U5-K20
				185	150	437210	U5-K22
240	185	437220	U5-K25				

## Copper Compression Clamps

Families CRC







### ELLIPTICAL COMPRESSION

Copper Connectors	Tools		Section mm <sup>2</sup>		Die	
			Main	Tap	Code	Ref.
			6-2,5	6-2,5	462080	U5-DC6
			10	10-1,5	462090	U5-DC10
			16	16-1,5	462100	U5-DC25
			25-16	10-1,5		
			25	25-16	462110	U5-DC35
			35	16-1,5		
			35	35-25		
			50	25-10		
			70-50	25-1,5	462120	U5-DC70
			50	25-4		
			50	50-35		
			70-50	35-4		
70-50	70-35					

## Copper and Aluminium Cable Lugs and Butt-Connectors

Copper and Aluminium Families





### HEXAGONAL COMPRESSION

Copper Connectors	Aluminium Connectors	Tools	Sección mm <sup>2</sup>	Die			
				Code	Ref.		
				10	441101	U13-K07	
				16	441110	U13-K08	
				25	16	441120	U13-K10
				35	25	441130	U13-K11
				50	35	441150	U13-K13
				70	50	441170	U13-K14
				95	70	441180	U13-K17
				120	95	441190	U13-K18
				150	120	441200	U13-K20
				185		441210	U13-K22
				240	150	441220	U13-K25
				300	185	441230	U13-K28
					240	441250	U13-K32
					300	441260	U13-K34
			300	447159	MK34-230		
		400	400	447160	MK38-230		
		500		447165	MK42-230		
		630	500	447170	MK44-230		

## Copper Cable Lugs and Butt-Connectors and Pin Terminals

Copper Families

### PUNCHING COMPRESSION

Copper Connectors	Tools	Sección mm <sup>2</sup>	Die		Punch	
			Code	Ref.	Code	Ref.
		10	446100	U13-S10		
		16	446110	U13-S16		
		25	446120	U13-S25		
		35	446130	U13-S35		
		50	446140	U13-S50		
		70	446150	U13-S70		
		95	446160	U13-S95		
		120	446170	U13-S120		
		150	446180	U13-S150		
		185	446190	U13-S185		
		240	446200	U13-S240		
		300	446210	U13-S300		
			446230	U13-PZ120		
			446231	U13-PZ240		
			446240	U13-PZ300		

# Die Sector Chart

TOOLS CATALOGUE

## DIN STANDARD

Hexagonal crimping dies according to DIN 48083 for connectors according to DIN 46235

### COPPER COMPRESSION

Tools	Cross Section mm <sup>2</sup>		Code No.	Code	Ref.	Cross Section mm <sup>2</sup>		Code No.	Code	Ref.
	10		6	447100	MK6-C	150		22	447140	MK22-C
	16		8	447105	MK8-C	185		25	447145	MK25-C
	25		10	447110	MK10-C	240		28	447150	MK28-C
	35		12	447115	MK12-C	300		32	447155	MK32-C
	50		14	447120	MK14-C	300		34	447159	MK34-230
	70		16	447125	MK16-C	400		38	447160	MK38-230
	95		18	447130	MK18-C	500		42	447165	MK42-230
	120		20	447135	MK20-C	630		44	447170	MK44-230

\* 800 and 1000 mm<sup>2</sup> dies sections and heads under request.

## Bimetallic Cable Lugs and Aluminium Low, Medium and Multi Voltage Joints

Bimetallic and Aluminium Families



### DEEP PUNCHING COMPRESSION

Tools	Connectors	Section mm <sup>2</sup>	Adapter		Die		Punch						
			Code	Ref.	Code	Ref.	Code	Ref.					
		25	471110	AD13-150	456100	95MCB		456150	PPR95				
		35											
		50											
		70											
		95											
		120											
	150	471120	AD13-240	456110	150MCB	456160	PPR150						
	185												
	240												
	25												
	35							471110	AD13-150	456130	95MC1S	456150	PPR95
	50												
70													
95													
120													
150	471120	AD13-240	456140	150MC1S	456160	PPR150							
185													
240													
240							471120	AD13-240	456141	240MC1S	456170	PPR240	
240													


## Copper, Aluminium and Bimetallic Compression Clamps

Families CRC, CRA and CRS


### CIRCULAR COMPRESSION

Connectors	Tools		Crimpi	Main		Tap		Die	
				Max.	Min.	Max.	Min.	Code	Ref.


#### APPLICATIONS TO COPPER CLAMPS

	CRC-3	25	10	6	4	463100	U13-DC25
	CRC-4	25	16	10	4	463100	U13-DC25
	CRC-5	25	16	25	16	463100	U13-DC25
	CRC-6	35	35	25	4	463110	U13-DC35
	CRC-7	35	35	35	16	463110	U13-DC35
	CRC-8	70	50	35	4	463120	U13-DC70
	CRC-9	70	50	70	35	463120	U13-DC70
	CRC-10	95	70	35	16	463140	U13-DC95
	CRC-11	95	70	70	35	463140	U13-DC95
	CRC-12	95	95	95	95	463140	U13-DC95
	CRC-13	120	120	120	25	463170	U13-DC185
	CRC-14	185	150	95	50	463170	U13-DC185
	CRC-15	150	150	150	70	463170	U13-DC185
	CRC-16	185	120	185	95	463170	U13-DC185

#### APPLICATIONS TO ALUMINIUM CLAMPS

	CRA-1	35	25	35	25	463110	U13-DC35
	CRA-2	70	50	50	50	463180	U13-DA70
	CRA-3	120	95	35	10	463190	U13-DA120
	CRA-3A	120	95	120	95	463190	U13-DA120
	CRA-4	185	150	95	70	463200	U13-DA185

#### APPLICATIONS TO BIMETALLIC CLAMPS

	CRS-0	35	10	35	10	463180	U13-DA70
	CRS-1	35	16	10	2,5	463100	U13-DC25
	CRS-2	70	35	10	2,5	463110	U13-DC35
	CRS-3	120	50	70	10	463140	U13-DC95
	CRS-8	120	95	120	70	463190	U13-DA120
	CRS-9	185	120	70	10	463210	U13-DA300
	CRS-10	240	120	150	70	463210	U13-DA300
	CRS-11	240	95	240	95	463210	U13-DA300
	CRS-12	300	240	70	10	463210	U13-DA300