

D

USE GUIDE FOR **DIES**



MANUFACTURER OF SAFETY AND CONNECTION MATERIAL



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Sofamel S.L. is a Spanish company dedicated to the production of electrical material of connection as well as safety and electrical protection material.

Sofamel's main objective has been to reach a high degree of specialization with the aim of providing a global solution for our clients. The same backed up by strict quality standards and by important investments in machinery and design for the manufacturing of all those products that our factory produces. This has allowed us to offer one of the most extensive ranges of articles that exists on the market.

Our commitment with excellent quality work allows our company to own the quality management system certificate under standard UNE-EN ISO 9001:2015 and R+D+i certificate under standard UNE 166002:2021, both duly granted by the Spanish Association for Standardization and Certification (AENOR).



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CABLE LUGS AND TUBULAR CONNECTORS

DIE	COPPER								ALUMINIUM		
 HD5											
	T	TL	T45°	T90°	TT	TPE	CP	M	MAL	TBE	TBES
Cross-section (mm ²)	Ref. dies		Footprint width (mm)					Ref. dies	Footprint width (mm)		
10	HD5-07		7					-	-		
16	HD5-08										
25	HD5-10										
35	HD5-11		5					HD5-11	7		
50	HD5-13										
70	HD5-14		7					HD5-14	5		
95	HD5-17										
120	HD5-18		5					HD5-17	7		
150	HD5-20										
185	HD5-22		5					HD5-18	5		
240	HD5-25										
								HD5-21			
								HD5-25			
								-			
								-			

TDT CABLE LUGS

DIE	COPPER	
 HD5	 TDT	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)
50	HD5-14	5
70	HD5-14	
95	HD5-18	
120	HD5-20	
150	HD5-22	
185	HD5-22	

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RJU, BT, RBT, RJA, TBF, AND TBEM CONNECTORS AND CABLE LUGS

DIE	COPPER		ALUMINIUM / BIMETALLICS	
 HD5	 RJU		 BT RBT RJA TBF TBEM	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)	Ref. dies	Footprint width (mm)
25	HD5-20	5	HD5-20	5
35				
50				
70				
95				
120	HD5-25		HD5-25	
150			-	
185				
30			HD5-20	5
56				
78				
110				

BIMETALLIC CABLE LUGS TDC/S AND TDC/A

DIE		
 HD5	 TDC/S	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)
16	-	-
25		
35		
50		
70		
95	HD5-20	5
120	HD5-25	
150		
30		
54,6		
56	HD5-20	
78		
80		
110		
145	HD5-25	

COMPRESSION CLAMPS

DIE		
 CDC5	 CRC CRA CRS	
Reference	Ref. dies	Footprint width (mm)
CRC-3	CDC5-25	9
CRC-4		
CRC-5		
CRC-6		
CRC-7		
CRA-1	CDC5-35	
CRS-1		
CRC-8		
CRC-9	CDC5-70	
CRA-2		
CRS-0		

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CABLE LUGS AND TUBULAR CONNECTORS

DIE	COPPER								ALUMINIUM		
 HD6	 T	 TL	 T45°	 T90°	 TT	 TPE	 CP	 M	 MAL	 TBE	 TBES
Cross-section (mm ²)	Ref. dies		Footprint width (mm)					Ref. dies	Footprint width (mm)		
10	HD6-07		7					-	-		
16	HD6-08		7					HD6-10	-		
25	HD6-10		12					HD6-11	12		
35	HD6-11		12					HD6-13	-		
50	HD6-13		10					HD6-14	10		
70	HD6-14		10					HD6-17	9		
95	HD6-17		9					HD6-18	8		
120	HD6-18		8					HD6-21	12		
150	HD6-20		6					HD6-25	-		
185	HD6-22		6					HD6-28	5		
240	HD6-25		5					-	-		
300	HD6-28		5					-	-		

TDT CABLE LUGS

DIE	COPPER	
 HD6	 TDT	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)
50	HD6-14	10
70	HD6-18	8
95	HD6-20	6
120	HD6-22	6
150	HD6-28	5
185	HD6-28	5
240	HD6-28	5

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RJU, BT, RBT, RJA, TBF, AND TBEM CONNECTORS AND CABLE LUGS

DIE	COPPER		ALUMINIUM / BIMETALLICS	
 HD6	 RJU		 BT RBT RJA TBF TBEM	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)	Ref. dies	Footprint width (mm)
25	HD6-20	6	HD6-20	6
35			HD6-20	
50			HD6-20	
70			HD6-20	
95			HD6-20	
120	HD6-25	5	HD6-25	5
150			HD6-25	
185	-	-	-	-
30	-	-	HD6-20	6
56			HD6-20	
78			HD6-20	
110			HD6-20	
110	HD6-25	5	HD6-25	5

BIMETALLIC CABLE LUGS TDC/S AND TDC/A

DIE	TDC/S	
 HD6	 TDC/S	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)
16	-	-
25		
35		
50	HD6-20	6
70		
95		
120	HD6-25	5
150		
30	HD6-20	6
54,6		
56		
78		
80	HD6-25	5
110		
145		

COMPRESSION CLAMPS

DIE	COMPRESSION CLAMPS	
 CD13	 CRC CRA CRS	
Reference	Ref. dies	Footprint width (mm)
CRC-3	CDC6-25	5
CRC-4		
CRC-5		
CRC-6		
CRC-10		
CRC-11	CDC6-95	5
CRC-12		
CRC-7	CDC6-35	5
CRA-1		
CRS-1		
CRC-8	CDC6-70	5
CRC-9		
CRA-2		
CRS-0		

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DIN STANDARD					
DIE	COPPER			ALUMINIUM	
 MK-C	 TCD (DIN 46235)	 MCD (DIN 46267)	 TBE/D (DIN 46329)		
Cross-section (mm ²)	Ref. dies	Footprint width (mm)	Ref. dies	Footprint width (mm)	
10	MK6-C		-	-	
16	MK8-C				
25	MK10-C		MK12-C		
35	MK12-C		MK14-C		
50	MK14-C		MK16-C		
70	MK16-C		MK18-C		12
95	MK18-C	12	MK22-C		
120	MK20-C				
150	MK22-C		MK25-C		
185	MK25-C		MK28-C		10
240	MK28-C	10	MK32-C		
300	MK32-C	7	MK34-C		7

CABLE LUGS AND TUBULAR CONNECTORS											
DIE	COPPER							ALUMINIUM			
 HD13	 T	 TL	 T45°	 T90°	 TT	 TPE	 CP	 M	 MAL	 TBE	 TBES
Cross-section (mm ²)	Ref. dies		Footprint width (mm)					Ref. dies	Footprint width (mm)		
10	HD13-07		7					-	-		
16	HD13-08							HD13-10			
25	HD13-10							HD13-11			
35	HD13-11							HD13-13			
50	HD13-13							HD13-14			
70	HD13-14							HD13-17		12	
95	HD13-17							HD13-18			
120	HD13-18							HD13-21			
150	HD13-20							HD13-25			
185	HD13-22							HD13-28		10	
240	HD13-25							HD13-32			
300	HD13-28							HD13-34		7	
400	HD13-32							-		-	

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TDT CABLE LUGS		
DIE	COPPER	
 HD13	 TDT	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)
50	HD13-14	12
70		
95		
120		
150		
185	HD13-22	10
240	HD13-28	
300	HD13-32	
400	HD13-34	7




COPPER AND ALUMINUM CONNECTORS AND CABLE LUGS RJU, BT, RBT, RJA, TBF, AND TBEM				
DIE	COPPER		ALUMINIUM / BIMETALLICS	
 HD13	 RJU		 BT RBT RJA TBF TBEM	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)	Ref. dies	Footprint width (mm)
25	HD13-20	12	HD13-20	12
35				
50				
70				
95				
120	HD13-25	7	HD13-25	12
150				
185				
240	HD13-32	-	HD13-32	7
30				
56				
78				
110	-	-	HD13-25	7
180			HD13-32	

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BIMETALLIC CABLE LUGS TDC/S AND TDC/A HEXAGONAL CRIMPING

DIE		
  HD13	 TDC/S	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)
50	HD13-20	12
70		
95		
120		
150		
185	HD13-25	
240		
30	HD13-20	
54,6		
56		
78		
80		
110	HD13-25	
145		
180	HD13-32	7





COMPRESSION CLAMPS

DIE									
  CD13	 CRC			 CRA			 CRS		
Reference COPPER	Ref. dies	Footprint width (mm)	Reference ALUMINIUM	Ref. dies	Footprint width (mm)				
CRC-3	CD13-25	35	CRS-0	CD13-70	35				
CRC-4									
CRC-5									
CRC-6			CD13-35						
CRC-7									
CRC-8	CD13-70								
CRC-9									
CRC-10	CD13-95								
CRC-11									
CRC-12									
CRC-13									
CRC-14		CD13-150							
CRC-15									
CRC-16	CD13-300								
			CRA-2	CD13-35					
			CRA-1						
			CRS-3	CD13-120 AL					
			CRA-3						
			CRS-8						
			CRA-3A						
			CRS-9						
			CRA-4	CD13-300					
			CRS-10						
			CRS-11						
			CRS-12						

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DEEP PUNCHING CRIMPING DIES
 ACCORDING TO UNE 211024-2 AND NF C33-090-1 STANDARDS - **SERIES 130**

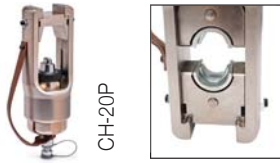


TDC/S CABLE LUGS						
ADAPTER	DIE	PUNCH				
						
AD	MP-L	PP	TDC/S			
Cross-section (mm ²)			Ref. adapters	Ref. dies	Ref. punches	Ref. mark
16			AD150	MP35L	PP35	0E
25						
35						
50				MP95L	PP95	1E
70						
95			AD240	MP150L	PP150	2E
120						
150						
185			AD240	MP240L	PP240	4E
240						













ALUMINIUM AND BIMETALLIC CONNECTORS AND CABLE LUGS											
ADAPTER	DIES		PUNCH	ALUMINIUM				ALUMINIUM			
											
AD	MP-L	MP-S	PP	BT	RBT	TBF	TBEM	RJA			
Cross-section (mm ²)				Ref. adapt.	Ref. dies	Ref. punches	Ref. mark	Ref. adapt.	Ref. dies	Ref. punches	Ref. mark
16				AD150	MP95L	PP95	1E	AD150	MP95S	PP95	1E
25											
35											
50					MP150L	PP150	2E		MP150S	PP150	2E
70											
95				AD240	MP240L	PP240	4E	AD240	MP240S	PP240	4E
120											
150											
185				AD240	MP240L	PP240	4E	AD240	MP240S	PP240	4E
240											

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HEXAGONAL CRIMPING DIES - **SERIES 200**



CABLE LUGS AND TUBULAR CONNECTORS

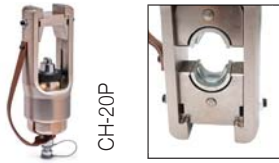
DIES		ADAPTER	COPPER								
											
HD13	HD20	AD-20T-13T HEX		T	TL	T45°	T90°	TT	TPE	CP	M
Cross-section (mm ²)			Ref. adapters	Ref. dies				Footprint width (mm)			
10			AD-20T-13T HEX				HD13-07	7			
16							HD13-08				
25							HD13-10	12			
35							HD13-11				
50							HD13-13				
70							HD13-14				
95							HD13-17				
120							HD13-18				
150							HD13-20				
185							HD13-22				
240							HD13-25				
300						HD13-28	10				
400						HD13-32	7				
500						HD20-38	17				
630						HD20-44					

CABLE LUGS AND TUBULAR CONNECTORS

DIE	ADAPTER	ALUMINIUM			
					
HD13	AD-20T-13T HEX	MAL	TBE	TBES	
Cross-section (mm ²)		Ref. adapters	Ref. dies		Footprint width (mm)
10		-			-
16		AD-20T-13T HEX		HD13-10	12
25				HD13-11	
35				HD13-13	
50				HD13-14	
70				HD13-17	
95				HD13-18	
120				HD13-21	
150				HD13-25	
185				HD13-28	10
240				HD13-32	7
300				HD13-34	

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HEXAGONAL CRIMPING DIES - **SERIES 200**

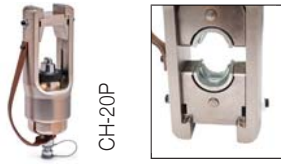


DIN STANDARD				
DIES		ADAPTER	COPPER	
 HD13 HD20		 AD-20T-13T HEX	 TCD (DIN 46235)	 MCD (DIN 46267)
Cross-section (mm ²)		Ref. adapters	Ref. dies	Footprint width (mm)
10		AD-20T-13T HEX	MK6-C	7
16			MK8-C	12
25			MK10-C	14
35			MK12-C	12
50			MK14-C	
70			MK16-C	
95			MK18-C	
120			MK20-C	10
150			MK22-C	7
185			MK25-C	17
240		MK28-C		
300		MK32-C		
400		-	MK38-200	
500			MK42-200	

DIN STANDARD				
DIES		ADAPTER	ALUMINIUM	
 HD13 HD20		 AD-20T-13T HEX	 TBE/D (DIN 46329)	
Cross-section (mm ²)		Ref. adapters	Ref. dies	Footprint width (mm)
25		AD-20T-13T HEX	MK12-C	14
35			MK14-C	12
50			MK16-C	
70			MK18-C	
95			MK22-C	
120			MK25-C	7
150			MK28-C	17
185			MK32-C	
240			MK34-C	
300			-	MK38-200
400			MK44-200	
500				

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HEXAGONAL CRIMPING DIES - **SERIES 200**

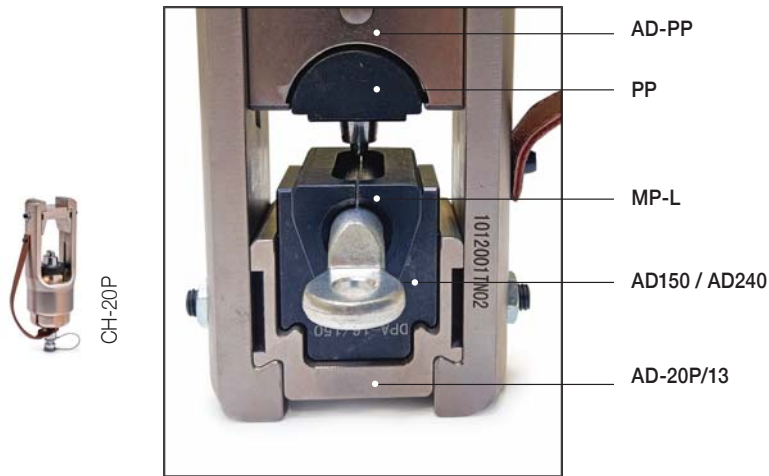


RJU CONNECTOR			
DIE	ADAPTER	COPPER	
 HD13	 AD-20T-13T HEX	 RJU	
Cross-section (mm ²)	Ref. adapters	Ref. dies	Footprint width (mm)
25	AD-20T-13T HEX	HD13-20	12
35			
50			
70			
95			
120			
150		HD13-25	
185		HD13-32	7
240			

BT, RBT, RJA, TBF, TBEM, AND TDC CONNECTORS AND CABLE LUGS									
DIES		ADAPTER							
 HD13	 HD20	 AD-20T-13T HEX	 BT	 RBT	 RJA	 TBF	 TBEM	 TDC/S	 TDC/A
Cross-section (mm ²)	Ref. adapters	Ref. dies	Footprint width (mm)	Cross-section (mm ²)	Ref. adapt.	Ref. hexagonal die	Footprint width (mm)		
25	AD-20T-13T HEX	HD13-20	12	25	AD-20T-13T HEX	-	-		
35				35					
50				50					
70				70		HD13-20	12		
95				95					
120				120		HD13-25			
150		HD13-25		150		HD13-25			
185		HD13-32	7	185		HD13-32	7		
240				240					
300	-	HD20-40	17	300	-	HD20-40	17		
400		HD20-46		400		HD20-46			
500				500					
30	AD-20T-13T HEX	HD13-20	12	30	AD-20T-13T HEX	HD13-20	12		
56				54,6					
78				56					
110				78					
180				80					
				110					
				145		HD13-25			
				180		HD13-32	7		

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DEEP PUNCHING CRIMPING DIES ACCORDING TO UNE 211024-2 AND NF C33-090-1 STANDARDS - **SERIES 200**



TDC/S AND TDC/A CABLE LUGS

ADAPTERS			DIE		PUNCH	
AD-20P/13	AD	AD-PP	MP-L	DPD	PP	DPP

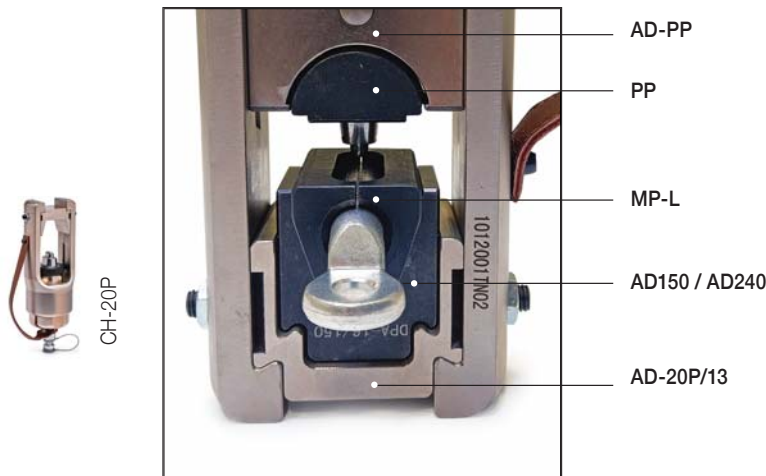
BIMETALLICS



Cross-section (mm ²)	Ref. adapters	Ref. adapters	Ref. deep punching dies	Ref. adapters	Ref. punches	Ref. mark	
16	AD-20P/13	AD150	MP35L	AD-PP	PP35	0E	
25			AD240		MP95L	PP95	1E
35					MP150L	PP150	2E
50		MP240L			PP240	4E	
70		DPA-300/630			DPD-300/400L	PP300/400	5E
95			-		-	-	
120			DPD-500/630L		DPP-500/630	6E	

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DEEP PUNCHING CRIMPING DIES ACCORDING TO UNE 211024-2 AND NF C33-090-1 STANDARDS - **SERIES 200**



BT, RBT, BF AND TBEM CONNECTORS AND TERMINALS

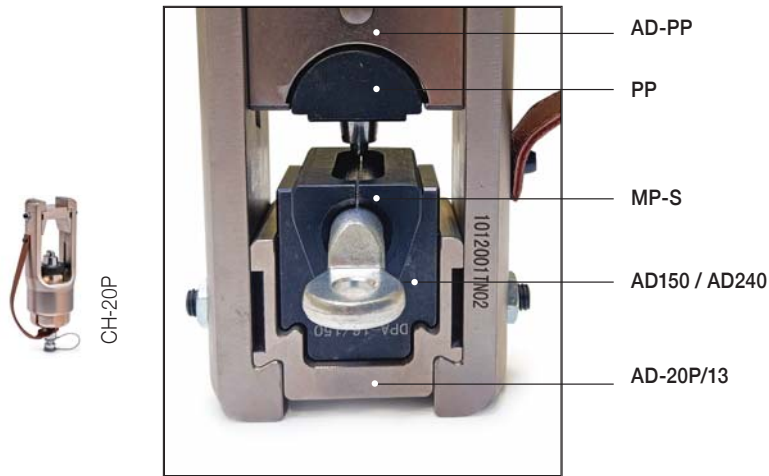
ADAPTERS			DIE		PUNCH	
AD-20P/13	AD	AD-PP	MP-L	DPD	PP	DPP
ALUMINIUM						








Cross-section (mm ²)	Ref. adapters	Ref. adapters	Ref. deep punching dies	Ref. adapters	Ref. punches	Ref. mark
16	AD-20P/13	AD150	MP95L	AD-PP	PP95	1E
25						
35						
50		AD240	MP150L		PP150	2E
70						
95						
120	-	DPA-300/630	DPD-300/400L	-	PP300/400	5E
150						
185						
240	-	-	-	-	-	-
300						
400						
500	-	-	-	-	-	-
630						
630	-	-	-	-	-	-
630						

USE GUIDE FOR **DIES**

DEEP PUNCHING CRIMPING DIES ACCORDING TO UNE 211024-2 AND NF C33-090-1 STANDARDS - **SERIES 200**



RJA CONNECTORS

ADAPTERS			DIE	PUNCH
				
AD-20P/13	AD	AD-PP	MP-S	PP

ALUMINIUM



RJA





Cross-section (mm ²)	Ref. adapters	Ref. adapters	Ref. deep punching dies	Ref. adapters	Ref. punches	Ref. mark
16	AD-20P/13	AD150	MP95S	AD-PP	PP95	1E
25						
35						
50		AD240	MP150S		PP150	2E
70						
95						
120	-	DPA-300/630	DPD-300/400S	-	PP300/400	5E
150						
185						
240	-	-	-	-	-	-
300	-	-	-	-	-	-
400	-	-	-	-	-	-
500	-	-	-	-	-	-

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CIRCULAR DIES - **SERIES 200**



CH-20P

COMPRESSION CLAMPS							
DIE	ADAPTER						
 CD13	 AD-20T-13T HEX	 CRC			 CRA CRS		
Footprint width (mm)	Reference COPPER	Ref. adapters	Ref. dies	Reference ALUMINIUM	Ref. adapters	Ref. dies	
35	CRC-3	AD-20T-13T HEX	CD13-25	CRA-0	AD-20T-13T HEX	CD13-70	
	CRC-4			CRA-2		CD13-35	
	CRC-5			CRS-1		CD13-120 AL	
	CRC-6			CRA-1		CD13-300	
	CRC-7			CRS-3			
	CRC-8			CRA-3			
	CRC-9			CRS-8			
	CRC-10			CRA-3A			
	CRC-11			CRS-9			
	CRC-12			CRA-4			
	CRC-13			CRS-10			
	CRC-14			CRS-11			
	CRC-15			CRS-12			
	CRC-16						

USE GUIDE FOR **DIES**

HEXAGONAL AND CIRCULAR CRIMPING DIES - **SERIES 250**



CABLE LUGS AND TUBULAR CONNECTORS					
DIES		ADAPTER	COPPER		
 HD13 HD25		 AD-25H-13H	 T TL T45° T90° TT TPE CP M		
Cross-section (mm ²)		Ref. adapters	Ref. dies	Footprint width (mm)	
10		AD-25H/13H	HD13-07	7	
16			HD13-08	7	
25			HD13-10	12	
35			HD13-11	12	
50			HD13-13	12	
70			HD13-14	12	
95			HD13-17	12	
120			HD13-18	12	
150			HD13-20	12	
185			HD13-22	12	
240			HD13-25	12	
300		HD13-28	10		
400		HD13-32	7		
500		-	HD25-38	17	
630		-	HD25-44	17	





CABLE LUGS AND TUBULAR CONNECTORS					
DIE		ADAPTER			
 HD13 MK		 AD-25H-13H	 MAL TBE TBES		
Cross-section (mm ²)		Ref. adapters	Ref. dies	Footprint width (mm)	
16		AD-25H/13H	HD13-10	12	
25			HD13-11		
35			HD13-13		
50			HD13-14		
70			HD13-17		
95			HD13-18		
120			HD13-21		
150			HD13-25		
185			HD13-28		10
240			HD13-32		7
300			-		MK34-230

USE GUIDE FOR **DIES**

HEXAGONAL AND CIRCULAR CRIMPING DIES - **SERIES 250**



CH-25

DIN STANDARD				
DIE	ADAPTER	COPPER		
 <p>MK</p>	 <p>AD-25H-13H</p>	 <p>TCD (DIN 46235)</p>	 <p>MCD (DIN 46267)</p>	
Cross-section (mm ²)	Ref. adapters	Ref. dies	Footprint width (mm)	
10	AD-25H/13H	MK6-C	7	
16		MK8-C	12	
25		MK10-C	14	
35		MK12-C	12	
50		MK14-C	12	
70		MK16-C	12	
95		MK18-C	12	
120		MK20-C	12	
150		MK22-C	12	
185		MK25-C	12	
240	MK28-C	10		
300	MK32-C	7		
400	-	MK38-250	17	
500	-	MK42-250	17	





DIN STANDARD				
DIES	ADAPTER	ALUMINIUM		
 <p>MK</p>	 <p>AD-25H-13H</p>	 <p>TBE/D (DIN 46329)</p>		
Cross-section (mm ²)	Ref. adapters	Ref. dies	Footprint width (mm)	
25	AD-25H/13H	MK12-C	14	
35		MK14-C	12	
50		MK16-C	12	
70		MK18-C	12	
95		MK22-C	12	
120		MK22-C	12	
150		MK25-C	12	
185		MK28-C	10	
240		MK32-C	7	
300		MK34-230	17	
400	-	MK38-250	17	
500	-	MK44-250	17	

USE GUIDE FOR **DIES**

HEXAGONAL AND CIRCULAR CRIMPING DIES - **SERIES 250**



COPPER RJU CONNECTORS

DIE	ADAPTER	COPPER		
  HD13	 AD-25H-13H	 RJU		
Cross-section (mm ²)	Ref. adapters	Ref. dies	Footprint width (mm)	
25	AD-25H/13H	HD13-20	12	
35				
50				
70				
95		HD13-25		
120				
150		HD13-32		7
185				
240				

BT, RBT, RJA, TBF AND TBEM ALUMINIUM AND BIMETALLIC CONNECTORS AND CABLE LUGS

DIES	ADAPTER	ALUMINIUM					
  HD13	 HD25	 AD-25H-13H	 BT	 RBT	 RJA	 TBF	 TBEM
Cross-section (mm ²)	Ref. adapters	Ref. dies	Footprint width (mm)				
25	AD-25H/13H	HD13-20	12				
35							
50							
70							
95		HD13-25					
120							
150		HD13-32		7			
185							
240							
300	-	HD25-40	17				
400							
500	AD-25H/13H	HD13-20	12				
30							
56							
78							
110				HD13-25			
180	HD13-32	7					

USE GUIDE FOR **DIES**

HEXAGONAL AND CIRCULAR CRIMPING DIES - **SERIES 250**



BIMETALLIC CABLE LUGS TDC/S AND TDC/A

DIES	ADAPTER	BIMETALLIC			
 HD13 HD25	 AD-25H-13H	 TDC/S TDC/A			
Cross-section (mm ²)	Ref. adapters	Ref. dies	Footprint width (mm)		
50	AD-25H/13H	HD13-20	12		
70		HD13-25			
95		HD13-32			
120		-		7	
150					
185					
240	AD-25H/13H	HD25-40	26		
300		HD25-46			
400		HD13-20		12	
500					
30					
54,6					
56					
78	HD13-25		7		
80					
110					
145	HD13-32		7		
180					

COMPRESSION CLAMPS

DIES	ADAPTER						
 HD13 HD25	 AD-25H-13H	 CRC			 CRA CRS		
Compr. width (mm)		Ref. COPPER	Ref. adapters	Ref. dies	Ref. ALUMINIUM	Ref. adapters	Ref. dies
35		CRC-3 CRC-4 CRC-5 CRC-6 CRC-7 CRC-8 CRC-9 CRC-10 CRC-11 CRC-12 CRC-13 CRC-14 CRC-15 CRC-16	AD-25H/13H	CD13-25 CD13-35 CD13-70 CD13-95 CD13-150 CD13-300	CRS-0 CRA-2 CRS-1 CRA-1 CRS-3 CRA-3 CRS-8 CRA-3A CRS-9 CRA-4 CRS-10 CRS-11 CRS-12	AD-25H/13H	CD13-70 CD13-35 CD13-120 AL CD13-300



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USE GUIDE FOR **DIES**

INDEX BY CODES

Code	Ref.	Code	Ref.	Code	Ref.
DIES					
401012	CDC5-25 25-25CU/35-1	402005	HD13-14 70CU/50AL	402026	MK32-C
401013	CDC5-35 35-35CU/AL	402006	HD13-17 95CU/70AL	447159	MK34-230
401014	CDC5-70 70-70CU/70-5	402007	HD13-18 120CU/95AL	20306001	MK42-250
407013	CDC6-25	402008	HD13-20 150CU	406001	MP-35L
407014	CDC6-35	402009	HD13-21 120AL	406003	MP-95L
407015	CDC6-70	402010	HD13-22 185CU/120AL	406004	MP-95S
407016	CDC6-95	402011	HD13-25 240CU/150AL	406006	MP-150L
402015	CD13-25	402012	HD13-28 300CU/185AL	406007	MP-150S
402016	CD13-35	402013	HD13-32 400CU/240AL	406010	MP-240L
402017	CD13-70	402014	HD13-34 300AL	406011	MP-240S
402018	CD13-95 CU	403005	HD20-40		
402019	CD13-150 CU	403006	HD20-46	ADAPTERS	
402020	CD13-120 AL	403001	HD25-38	375000	AD-13U-13C
402021	CD13-300	447180	HD25-40	406000	AD-150
406014	DPD-300/400L	403002	HD25-42	406009	AD-240
401000	HD5-07 10CU	403003	HD25-44	406016	AD-20P/13
401001	HD5-08 16CU	403004	HD25-46	375001	AD-20T-13T HEX
401002	HD5-10 25CU/16AL	407000	HD6-07	403000	AD-25H/13H
401003	HD5-11 35CU/25AL	407001	HD6-08	375002	AD-PP
401004	HD5-13 50CU/35AL	407002	HD6-10	406013	DPA-300/630
401005	HD5-14 70CU/50AL	407003	HD6-11		
401006	HD5-17 95CU/70AL	407004	HD6-13	PUNCHES	
401007	HD5-18 120CU/95AL	407005	HD6-14	406002	PP-35 0E
401008	HD5-20 150CU	407006	HD6-17	406005	PP-95 1E
401009	HD5-21 120AL	407007	HD6-18	406008	PP-150 2E
401010	HD5-22 185CU/120AL	407008	HD6-20	406012	PP-240 4E
401011	HD5-25 240CU/150AL	407009	HD6-21	406015	PP-400 5E
402000	HD13-07 10CU	407010	HD6-22		
402001	HD13-08 16CU	407011	HD6-25		
402002	HD13-10 25CU/16AL	407012	HD6-28		
402003	HD13-11 35CU/25AL	402022	MK12-C		
402004	HD13-13 50CU/35AL	402023	MK22-C		
		402024	MK25-C		
		402025	MK28-C		

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