












USE GUIDE FOR
DIES





 SOFAMEL



CABLE LUGS AND TUBULAR CONNECTORS

DIE	COPPER								ALUMINIUM	
 HD5	 T	 TL	 T45°	 T90°	 TT	 TPE	 CP	 M	 MAL	 TBE
Cross-section (mm ²)	Ref. dies			Footprint width (mm)				Ref. dies	Footprint width (mm)	
10	HD5-07							-	-	
16	HD5-08							HD5-11		
25	HD5-10			7				HD5-11	7	
35	HD5-11							HD5-14		
50	HD5-13							MK16-C5		
70	HD5-14			5				HD5-18	5	
95	HD5-17			7				HD5-22	7	
120	HD5-18							HD5-22		
150	HD5-20			5				HD5-25	5	
185	HD5-22							-	-	
240	HD5-25							-	-	

TDT CABLE LUGS

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



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

DIE	COPPER		ALUMINIUM / BIMETALLICS	
	Ref. dies	Footprint width (mm)	Ref. matrices	Footprint width (mm)
 HD5 Cross-section (mm²)	 RJU		 BT RBT RJA TBF TBEM	
25	HD5-20	5	HD5-20	5
35				
50				
70				
95	HD5-25		-	-
120				
150	-	-	HD5-20	5
185				
30				
56				
78	-	-	-	-
110				

BIMETALLIC CABLE LUGS TDC/S AND TDC/A

DIE	Ref. dies	Footprint width (mm)
 HD5 Cross-section (mm²)		
16	HD5-20	6
25		
35		
50		
70	HD5-25	5
95		
120	HD5-20	6
150		
30		
54.6		
56	-	-
78		
80	-	-
110		
145	HD5-25	5

COMPRESSION CLAMPS

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



CABLE LUGS AND TUBULAR CONNECTORS

DIE	COPPER								ALUMINIUM	
 HD6	 T	 TL	 T45°	 T90°	 TT	 TPE	 CP	 M	 MAL	 TBE
Cross-section (mm ²)	Ref. dies				Footprint width (mm)				Ref. dies	Footprint width (mm)
10	HD6-07				7				-	-
16	HD6-08				7				HD6-11	-
25	HD6-10				7				HD6-11	12
35	HD6-11				12				HD6-14	-
50	HD6-13				12				MK16-C6	10
70	HD6-14				10				HD6-18	9
95	HD6-17				9				HD6-22	8
120	HD6-18				8				HD6-22	12
150	HD6-20				6				HD5-25	-
185	HD6-22				6				HD5-28	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	8
120	HD6-22	6
150	HD6-22	6
185	HD6-22	6
240	HD6-28	5



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

DIE	COPPER		ALUMINIUM / BIMETALLICS		
 HD6 Cross-section (mm ²)	 RJU Ref. dies Footprint width (mm)		 BT RBT RJA TBF TBEM 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		
56			HD6-20		6
78			HD6-20		
110			HD6-25		5

BIMETALLIC CABLE LUGS TDC/S AND TDC/A

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

COMPRESSION CLAMPS

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



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	7	-	-
16	MK8-C			
25	MK10-C	12	MK12-C	
35	MK12-C	14	MK14-C	
50	MK14-C		MK16-C	12
70	MK16-C		MK18-C	
95	MK18-C	12	MK22-C	
120	MK20-C		MK25-C	
150	MK22-C		MK28-C	10
185	MK25-C	10	MK32-C	
240	MK28-C	7	MK34-C	7
300	MK32-C			

CABLE LUGS AND TUBULAR CONNECTORS

DIE	COPPER								ALUMINIUM	
 HD13	 T	 TL	 T45°	 T90°	 TT	 TPE	 CP	 M	 MAL	 TBE
Cross-section (mm ²)	Ref. dies				Footprint width (mm)				Ref. dies	Footprint width (mm)
10	HD13-07				7				-	-
16	HD13-08								MK12-C	
25	HD13-10								MK12-C	
35	HD13-11								MK14-C	
50	HD13-13								MK16-C	
70	HD13-14								MK18-C	12
95	HD13-17				12				MK22-C	
120	HD13-18								MK22-C	
150	HD13-20								MK25-C	
185	HD13-22								MK28-C	10
240	HD13-25								MK32-C	
300	HD13-28				10				MK34-C	7
400	HD13-32				7				-	-



TDT CABLE LUGS

DIE	COPPER	
 HD13	 TDT	
Cross-section (mm ²)	Ref. dies	Footprint width (mm)
50	HD13-14	
70		
95	HD13-18	12
120	HD13-20	
150	HD13-22	
185		
240	HD13-28	10
300	HD13-32	
400	HD13-34	7

COPPER AND ALUMINIUM 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				
35				
50			HD13-20	
70	HD13-20	12		
95				
120			HD13-25	12
150	HD13-25			
185	HD13-32	7	HD13-32	
240				
30			HD13-20	
56				
78	-	-		
110			HD13-25	
180			HD13-32	7

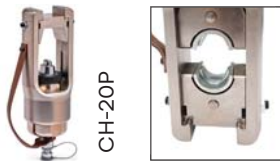


BIMETALLIC CABLE LUGS TDC/S AND TDC/A HEXAGONAL CRIMPING

DIE			
 HD13			 TDC/S
Cross-section (mm ²)	Ref. dies	Footprint width (mm)	
50	HD13-20	12	
70			
95			
120			
150	HD13-25	12	
185			
240	HD13-32	7	
30			
54.6			
56			
78	HD13-20	12	
80			
110	HD13-25	7	
145			
180	HD13-32	7	

COMPRESSION CLAMPS

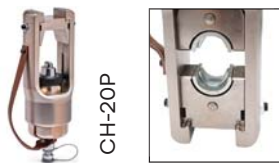
DIE								
 CD13				 CRA	 CRS			
Reference COPPER	Ref. dies	Footprint width (mm)	Reference ALUMINIUM	Ref. dies	Footprint width (mm)			
CRC-3	CD13-25	35	CRS-0	CD13-70	35			
CRC-4								
CRC-5								
CRC-6								
CRC-7								
CRC-8								
CRC-9								
CRC-10								
CRC-11								
CRC-12							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



CH-20P

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
10		AD-20T-13T HEX	HD13-07
16			HD13-08
25			HD13-10
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
400			HD13-32
500		HD20-38	
630		-	HD20-44
			Footprint width (mm)
			7
			12
			10
			7
			17

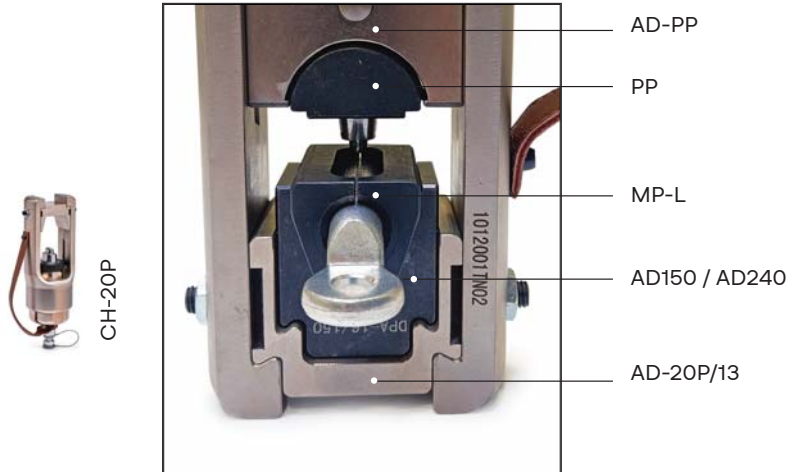
CABLE LUGS AND TUBULAR CONNECTORS				
DIE	ADAPTER	ALUMINIUM		
MK-C	AD-20T-13T HEX	MAL	TBE	
Cross-section (mm ²)		Ref. adapters	Ref. dies	
10		-	-	
16		AD-20T-13T HEX	MK12-C	
25			MK12-C	
35			MK14-C	
50			MK16-C	
70			MK18-C	
95			MK22-C	
120			MK22-C	
150			MK25-C	
185			MK28-C	
240			MK32-C	
300			MK34-C	
				Footprint width (mm)
				-
			12	
			10	
			7	










DIN STANDARD					
DIES		ADAPTER	COPPER		
MK-C	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	
25				MK10-C	12
35				MK12-C	14
50				MK14-C	
70				MK16-C	
95				MK18-C	
120				MK20-C	12
150				MK22-C	
185				MK25-C	
240				MK28-C	10
300				MK32-C	7
400				MK38-200	
500			MK42-200	17	

DIN STANDARD					
DIES		ADAPTER	ALUMINIUM		
MK-C	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	
50				MK16-C	
70				MK18-C	12
95				MK22-C	
120				MK25-C	
150				MK28-C	10
185				MK32-C	7
240				MK34-C	
300				MK38-200	
400				MK44-200	17
500					

According to UNE 211024-2 and NF C33-090-1 standards - Series 200



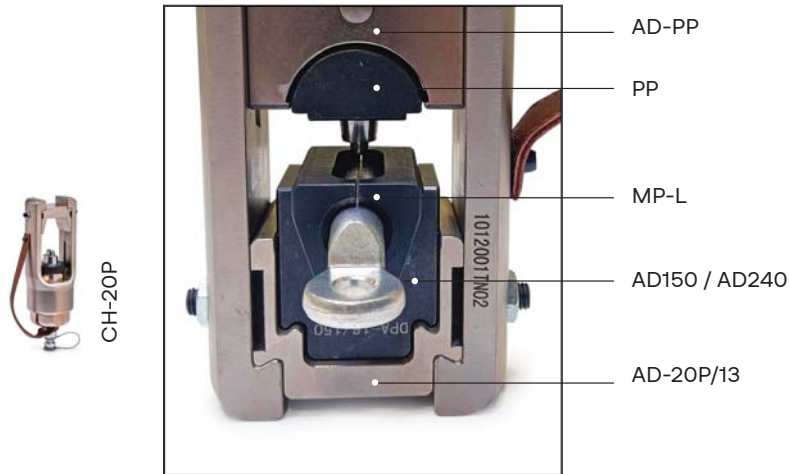
TDC/S AND TDC/A CABLE LUGS		
ADAPTERS	DIE	PUNCH
 AD-20P/13  AD  AD-PP	 MP-L  DPD	 PP  DPP

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			MP95L		PP95	1E
35			MP150L		PP150	2E
50		AD240	MP240L		PP240	4E
70			DPD-300/400L		PP300/400	5E
95		-	DPA-300/630		-	-
120	DPD-500/630L			DPP-500/630	6E	
150						
185						
240						
300						
400						
500						
630						

According to UNE 211024-2 and NF C33-090-1 standards - Series 200



BT, RBT, TBF 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			MP240L		PP240		4E
95	-	DPA-300/630	DPD-300/400L	-	PP300/400	5E	
120			-		-		
150			-		-		
185			-		DPD-500/630L	DPP-500/640	
240							
300							
400							
500							
630							



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	CRS-0	AD-20T-13T HEX	CD13-70
		CRC-4			CRA-2		
		CRC-5			CRS-1		CD13-35
		CRC-6			CRA-1		
		CRC-7		CRS-3			
		CRC-8		CRA-3	CD13-120 AL		
		CRC-9		CRS-8			
		CRC-10		CRA-3A			
		CRC-11		CRS-9			
		CRC-12		CRA-4	CD13-300		
		CRC-13		CRS-10			
		CRC-14		CRS-11			
		CRC-15		CRS-12			
		CRC-16			CD13-300		







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						
25				HD13-10						
35				HD13-11						
50				HD13-13						
70				HD13-14						
95				HD13-17						
120				HD13-18						
150				HD13-20						
185				HD13-22						
240			HD13-25	12						
300			HD13-28							
400			HD13-32							
500			-	HD25-38	10					
630			-	HD25-44	7					
			-		17					

CABLE LUGS AND TUBULAR CONNECTORS

DIES		ADAPTER												
MK-C	MK	AD-25H-13H	MAL	TBE										
Cross-section (mm ²)			Ref. adapters	Ref. dies	Footprint width (mm)									
16			AD-25H/13H	MK12-C	12									
25				MK12-C										
35				MK14-C										
50				MK16-C										
70				MK18-C										
95				MK22-C										
120				MK22-C										
150				MK25-C										
185				MK28-C						10				
240				MK32-C						7				
300			-	MK34-C	17									







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	
	25		MK10-C	12
	35		MK12-C	14
	50		MK14-C	
	70		MK16-C	12
	95		MK18-C	
	120		MK20-C	
	150		MK22-C	
	185		MK25-C	
	240	MK28-C	10	
	300	MK32-C	7	
	400	-	MK38-250	17
	500		MK42-250	







DIN STANDARD				
DIES	ADAPTER	ALUMINIUM		
 <p>MK</p>	 <p>AD-25H-13H</p>	 <p>HD25</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	
	50		MK16-C	12
	70		MK18-C	
	95		MK22-C	
	120		MK22-C	
	150		MK25-C	
	185		MK28-C	10
	240		MK32-C	7
	300		-	MK34-230
	400		MK38-250	
	500		MK44-250	



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	AD-25H/13H	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			
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	AD-25H/13H	HD13-32	7		
185					
240					
300	-	HD25-40	17		
400		HD25-46			
500		AD-25H/13H	HD13-20	12	
30	HD13-25				
56	HD13-32		7		
78					
110					
180					



CH-25

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				HD25-40	26
150				HD25-46	
185			AD-25H/13H	HD13-20	12
240				HD13-25	
300				HD13-32	
400				HD13-20	26
500				HD13-25	
30				HD13-32	7
54.6					
56					
78					
80					
110					
145					
180					

COMPRESSION CLAMPS

DIES	ADAPTER	COPPER			ALUMINIUM		
CD13	AD-25H-13H	CRC	CRA	CRS			
Footprint width (mm)		Ref. COPPER	Ref. adapters	Ref. dies	Ref. ALUMINIUM	Ref. adapters	Ref. dies
35		CRC-3	AD-25H/13H	CD13-25	CRS-0	AD-25H/13H	CD13-70
		CRC-4		CD13-35	CRA-2		CD13-35
		CRC-5		CD13-70	CRS-1		CD13-120 AL
		CRC-6		CD13-95	CRA-1		CD13-300
		CRC-7		CD13-150	CRS-3		
		CRC-8		CD13-300	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					

Code	Ref.	Code	Ref.	Code	Ref.
DIES					
20304000	MK20-C	402006	HD13-17 95CU/70AL	407005	HD6-14
20304001	MK16-C	402007	HD13-18 120CU/95AL	407006	HD6-17
20304002	MK18-C	402008	HD13-20	407007	HD6-18
20304003	MK10-C	402009	HD13-21 120AL	407008	HD6-20
20304004	MK14-C	402010	HD13-22 185CU/120AL	407009	HD6-21
20304006	MK34-C	402011	HD13-25 240CU/150AL	407010	HD6-22
20304007	MK6-C	402012	HD13-28 300CU/185AL	407011	HD6-25
20304008	MK8-C	402013	HD13-32 400CU/240AL	407012	HD6-28
20306002	RD20-240	402014	HD13-34 300AL	407013	CDC6-25
20306003	RD20-300	402015	CD13-25	407014	CDC6-35
20306004	RD20-400	402016	CD13-35	407015	CDC6-70
20307000	DPD-500/630L	402017	CD13-70	407016	CDC6-95
20309000	HD100-70/SA	402018	CD13-95 CU		
401000	HD5-07 10CU	402019	CD13-150 CU	ADAPTERS	
401001	HD5-08 16CU	402020	CD13-120 AL	375000	AD-13U-13C
401002	HD5-10 25CU/16AL	402021	CD13-300	375001	AD-20T-13T HEX
401003	HD5-11 35CU/25AL	402022	MK12-C	375002	AD-PP
401004	HD5-13 50CU/35AL	402023	MK22-C	403000	AD-25H/13H
401005	HD5-14 70CU/50AL	402024	MK25-C	406000	AD-150
401006	HD5-17 95CU/70AL	402025	MK28-C	406009	AD-240
401007	HD5-18 120CU/95AL	402026	MK32-C	406013	DPA-300/630
401008	HD5-20 150CU	403005	HD20-40	406016	AD-20P/13
401009	HD5-21 120AL	403006	HD20-46		
401010	HD5-22 185CU/120AL	406001	MP-35L	PUNCHES	
401011	HD5-25 240CU/150AL	406003	MP-95L	20307001	DPP-500/630 6E
401012	CDC5-25 25-25CU/35-1	406004	MP-95S	406002	PP-35 0E
401013	CDC5-35 35-35CU/AL	406006	MP-150L	406005	PP-95 1E
401014	CDC5-70 70-70CU/70-5	406007	MP-150S	406008	PP-150 2E
402000	HD13-07 10CU	406010	MP-240L	406012	PP-240 4E
402001	HD13-08 16CU	406011	MP-240S	406015	DPP-300/400 5E
402002	HD13-10 25CU/16AL	406014	DPD-300/400L	406017	DPD-300/400S
402003	HD13-11 35CU/25AL	407000	HD6-07		
402004	HD13-13 50CU/35AL	407001	HD6-08		
402005	HD13-14 70CU/50AL	407002	HD6-10		
		407003	HD6-11		
		407004	HD6-13		



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