Base Load Power Hub (BLPH)

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

Document Number: 123A90-DDL-EL-DS-20061

Document Class: 2

01	30/09/2024	Accepted for Construction (AFC)	LBO	AMA	DLO
00	19/04/2024	Issue for Review (IFR)	SPS	FMA/AMA	FPA/DLO
Rev.	Date	Description	Prepared	Reviewed	Approved

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SH.	DESCRIPTION	REVISIONS							
		00	01						
1	Cover	X	X						
2	Table of Contents	X	X						
3	Revision / Change Log / Holds List	X	X						
4	References	X	X						
5	Straight Element-Ladder	X	X						
6	Straight Element-Perforated	X	X						
7	Bend-Ladder	X	X						
8	Bend-Perforated	X	X						
9	Inside Riser-Ladder	X	X						
10	Inside Riser-Perforated	X	X						
11	Outside Riser-Ladder	X	X						
12	Outside Riser-Perforated	X	X						
13	Vertical Hinged Joint	X	X						
14	Horizontal Adjustable Joint	X	X						
15	Reduction Element	X	X						
16	TEE Connection	X	X						
17	UNISTRUT - Material List	X	X						
18	UNISTRUT - Material List	X	X						
19	Supplement	X	X						

Revision / Change Log

Rev.	Description
00	ISSUE FOR REVIEW (IFR)
01	ACCEPTED FOR CONSTRUCTION (AFC)

HOLDS LIST

No.	Description
1.	
2.	
3.	
4.	

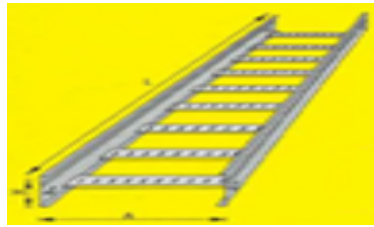
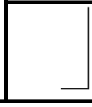
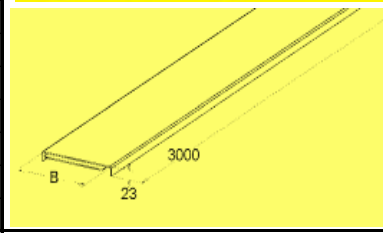
REFERENCE DOCUMENT AND STANDARD:

1)	Technical Specification for Electrical Requirement in Packaged Units	Doc. No. 123A90-DDL-EL-SP-20085
2)	Electrical Typical Installation Details Cable Routes System	Doc. No. 123A90-DDL-EL-DD-20093
3)	Electrical Engineering Design	Doc. No. DEP 33.64.10.10-Gen.
4)	Electrical Cables Routing Layout - Top Deck	Doc. No. 123A90-DDL-EL-DL-20107
5)	Electrical Cables Routing Layout - Lower Deck	Doc. No. 123A90-DDL-EL-DL-20108
6)	Electrical Cables Routing Layout - Below Lower deck	Doc. No. 123A90-DDL-EL-DL-20109
7)	Electrical Cable Routing Layout - HV & MV Switchroom	Doc. No. 123A90-DDL-EL-DL-20111
8)	Electrical Cable Routing Layout - LV Switchroom	Doc. No. 123A90-DDL-EL-DL-20112
9)	Electrical Cable Routing Layout - UPSs & Batteries Switchroom	Doc. No. 123A90-DDL-EL-DL-20113

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO
		Sh: 5 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024
		Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER ☑			
2		PERFORATED ☐			
3		CLOSED ☐			
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL ☐			
9		ELECTROLYTICALLY GALVANIZED STEEL ☐			
10		SENDZIMIR GALVANIZED STEEL ☐			
11		STAINLESS STEEL AISI 304 ☐			
12		STAINLESS STEEL AISI 316 ☑			
13		ALLUMINIUM ☐			
14		FRP / GRP for Hazardous Area ☐			
15					

STRAIGHT ELEMENT with COVER

18	LENGTH [mm]	3000 ☑	5000 ☐	
19		4000 ☐	6000 ☐	
20	HEIGTH [mm]	50 ☐	100 ☑	
21		75 ☐	150 ☑	
22	WIDTH [mm]	50 ☐	300 ☑	600 ☑
23		100 ☐	400 ☐	750 ☑
24		150 ☑	450 ☑	
25		200 ☐	500 ☐	

QUANTITY

28	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]
29	150x300	34	100x150	523		
30	STRAIGHT JOINT (1)	35	100x300	269		
31			100x450	58		
32			100x600	129		
33			100x750	43		
34			STRAIGHT JOINT (1)	850		
35						

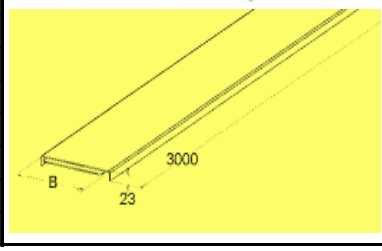
36	CODE	REMARKS
37		(1) Complete of the bolts, nuts and washer
38		
39		
40		
41		
42		
43		
44		
45		
46		

47 **NOTES:**

48
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TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER ☐			
2		PERFORATED ☑			
3		CLOSED ☐			
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
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7					
8	MATERIAL	HOT DIP GALVANIZED STEEL ☐			
9		ELECTROLYTICALLY GALVANIZED STEEL ☐			
10		SENDZIMIR GALVANIZED STEEL ☐			
11		STAINLESS STEEL AISI 304 ☐			
12		STAINLESS STEEL AISI 316 ☑			
13		ALLUMINIUM ☐			
14		FRP / GRP for Hazardous Area ☐			
15					

STRAIGHT ELEMENT with COVER

18	LENGTH [mm]	3000 ☑	5000 ☐	
19		4000 ☐	6000 ☐	
20	HEIGTH [mm]	50 ☑	100 ☐	
21		80 ☑	150 ☐	
22	WIDTH [mm]	50 ☑	300 ☐	600 ☐
23		100 ☐	400 ☐	750 ☐
24		150 ☐	450 ☐	
25		200 ☑	500 ☐	

QUANTITY

28	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]
29	80x200	100	50x50	283		
30						
31						
32						
33						
34						
35						

36	CODE	REMARKS
37		(1) Complete of the bolts, nuts and washer
38		
39		
40		
41		
42		
43		
44		
45		
46		

47 **NOTES:**

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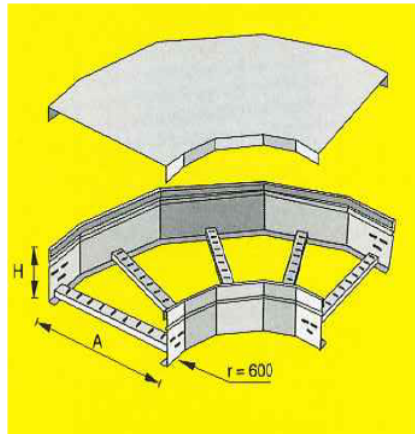
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TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

TYPE	CABLE LADDER	☑			
	PERFORATED	☐			
	CLOSED	☐			
	FLANGE	SIMPLE ☐	BORDERED ☑		
MATERIAL	HOT DIP GALVANIZED STEEL	☐			
	ELECTROLYTICALLY GALVANIZED STEEL	☐			
	SENDZIMIR GALCANIZED STEEL	☐			
	STAINLESS STEEL AISI 304	☐			
	STAINLESS STEEL AISI 316	☑			
	ALLUMINIUM	☐			
	FRP / GRP for Hazardous Area	☐			



BEND INCLUDING COVER + FIXING CLIP

BEND DEGREE	30° ☐	60° ☐		
	45° ☐	90° ☑		
HEIGTH [mm]	50 ☐	100 ☑		
	75 ☐	150 ☑		
WIDTH [mm]	50 ☐	300 ☑	600 ☑	
	100 ☐	400 ☐	750 ☑	
	150 ☑	450 ☑		
	200 ☐	500 ☐		
INTERNAL RADIUS [mm]	150 ☐	400 ☐	600 ☑	
	300 ☑	500 ☐	900 ☑	

QUANTITY

HEIGHT x WIDTH , RADIUS , ANGLE [mm]			[°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm]			[°]	QUANTITY [pc]
H100 x W150	R300		90	29	H150 x W300	R300		90	6
H100 x W300	R300		90	11					
H100 x W450	R300		90	1					
H100 x W300	R600		90	6					
H100 x W600	R600		90	1					
H100 x W750	R600		90	1					
H100 x W600	R900		90	1					
					FIXING CLIP				224

CODE	REMARKS

NOTES:

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		Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER ☐			
2		PERFORATED ☑			
3		CLOSED ☐			
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL ☐			
9		ELECTROLYTICALLY GALVANIZED STEEL ☐			
10		SENDZIMIR GALCANIZED STEEL ☐			
11		STAINLESS STEEL AISI 304 ☐			
12		STAINLESS STEEL AISI 316 ☑			
13		ALLUMINIUM ☐			
14		FRP / GRP for Hazardous Area ☐			
15					

BEND INCLUDING COVER + FIXING CLIP

18	BEND DEGREE	30° ☐		60° ☐			
19		45° ☐		90° ☑			
20	HEIGTH [mm]	50 ☑		100 ☐			
21		75 ☐		150 ☐			
22	WIDTH [mm]	50 ☑		300 ☐		600 ☐	
23		100 ☐		400 ☐		750 ☐	
24		150 ☐		450 ☐			
25		200 ☐		500 ☐			
26	INTERNAL RADIUS [mm]	150 ☐		400 ☐		600 ☐	
27		300 ☑		500 ☐		900 ☐	

QUANTITY

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	
31	H50 x W50 R300 90	11			
32					
33					
34					
35					
36					
37					
38					
39	FIXING CLIP	44			

40	CODE	REMARKS
41		
42		
43		
44		
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48		
49		
50		

51 **NOTES:**

52

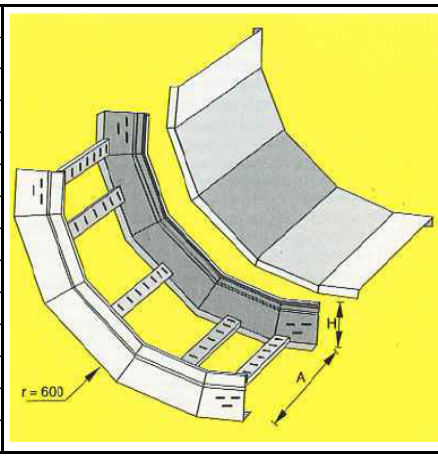
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TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

TYPE	CABLE LADDER	☑			
	PERFORATED	☐			
	CLOSED	☐			
	FLANGE	SIMPLE ☐	BORDERED ☑		
MATERIAL	HOT DIP GALVANIZED STEEL	☐			
	ELECTROLYTICALLY GALVANIZED STEEL	☐			
	SENDZIMIR GALCANIZED STEEL	☐			
	STAINLESS STEEL AISI 304	☐			
	STAINLESS STEEL AISI 316	☑			
	ALLUMINIUM	☐			
	FRP / GRP for Hazardous Area	☐			

INSIDE RISER INCLUDING COVER + FIXING CLIP

RISER DEGREE	30° ☐	60° ☐		
	45° ☐	90° ☑		
HEIGTH [mm]	50 ☐	100 ☑		
	75 ☐	150 ☑		
WIDTH [mm]	50 ☐	300 ☑	600 ☑	
	100 ☐	400 ☐	750 ☑	
	150 ☑	450 ☑		
	200 ☐	500 ☐		
INTERNAL RADIUS [mm]	150 ☐	400 ☐	600 ☑	
	300 ☑	500 ☐	900 ☑	

QUANTITY

HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
H100 x W150 R300 90	11	H150 x W300 R900 90	1
H100 x W300 R300 90	14		
H100 x W450 R300 90	6		
H100 x W150 R600 90	1		
H100 x W300 R600 90	6		
H100 x W450 R600 90	1		
H100 x W600 R600 90	1		
H100 x W750 R600 90	3		
		FIXING CLIP	176

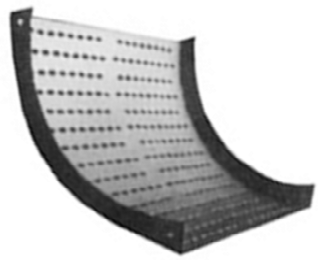
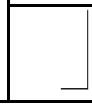
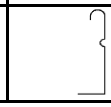
CODE	REMARKS

NOTES:

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 10 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

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Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER ☐			
2		PERFORATED ☑			
3		CLOSED ☐			
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5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL ☐			
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10		SENDZIMIR GALCANIZED STEEL ☐			
11		STAINLESS STEEL AISI 304 ☐			
12		STAINLESS STEEL AISI 316 ☑			
13		ALLUMINIUM ☐			
14		FRP / GRP for Hazardous Area ☐			
15					
16	**INSIDE RISER INCLUDING COVER + FIXING CLIP**				
17					
18	RISER DEGREE	30° ☐	60° ☐		
19		45° ☐	90° ☑		
20	HEIGTH [mm]	50 ☑	100 ☐		
21		75 ☐	150 ☐		
22	WIDTH [mm]	50 ☑	300 ☐	600 ☐	
23		100 ☐	400 ☐	750 ☐	
24		150 ☐	450 ☐		
25		200 ☐	500 ☐		
26	INTERNAL RADIUS [mm]	150 ☐	400 ☐	600 ☐	
27		300 ☑	500 ☐	900 ☐	
28	**QUANTITY**				
29					

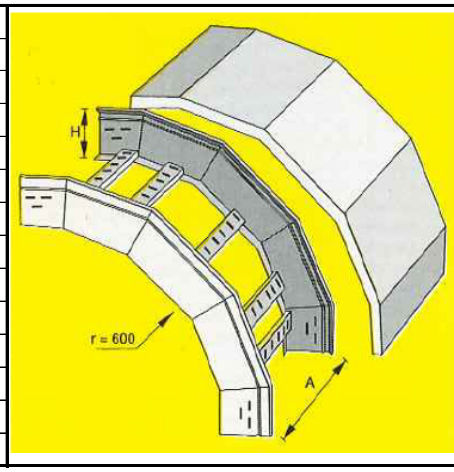
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31	H50 x W50 R300 90	19		
32				
33				
34				
35				
36				
37				
38				
39				
40	FIXING CLIP	76		
41				

42	CODE	REMARKS
43		
44		
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50	**NOTES:**	
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Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER ☑			
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4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
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9		ELECTROLYTICALLY GALVANIZED STEEL ☐			
10		SENDZIMIR GALCANIZED STEEL ☐			
11		STAINLESS STEEL AISI 304 ☐			
12		STAINLESS STEEL AISI 316 ☑			
13		ALLUMINIUM ☐			
14		FRP / GRP for Hazardous Area ☐			

OUTSIDE RISER INCLUDING COVER + FIXING CLIP

18	RISER DEGREE	30° ☐	60° ☐	
19		45° ☐	90° ☑	
20	HEIGTH [mm]	50 ☐	100 ☑	
21		75 ☐	150 ☑	
22	WIDTH [mm]	50 ☐	300 ☑	600 ☑
23		100 ☐	400 ☐	750 ☑
24		150 ☑	450 ☑	
25		200 ☐	500 ☐	
26	INTERNAL RADIUS [mm]	150 ☐	400 ☐	600 ☑
27		300 ☑	500 ☐	900 ☑

QUANTITY

	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
31	H100 x W150 R300 90	38	H150 x W300 R900 90	3
32	H100 x W300 R300 90	14		
33	H100 x W450 R300 90	11		
34	H100 x W150 R600 90	1		
35	H100 x W300 R600 90	4		
36	H100 x W450 R600 90	1		
37	H100 x W600 R600 90	1		
38	H100 x W750 R600 90	4		
39				
40				
41				
42				
43			FIXING CLIP	308

	CODE	REMARKS
44		
45		
46		
47		
48		
49		
50		

51 **NOTES:**

52

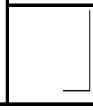
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TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER ☐			
2		PERFORATED ☑			
3		CLOSED ☐			
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6					
7					
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9		ELECTROLYTICALLY GALVANIZED STEEL ☐			
10		SENDZIMIR GALCANIZED STEEL ☐			
11		STAINLESS STEEL AISI 304 ☐			
12		STAINLESS STEEL AISI 316 ☑			
13		ALLUMINIUM ☐			
14		FRP / GRP for Hazardous Area ☐			

OUTSIDE RISER INCLUDING COVER + FIXING CLIP

18	RISER DEGREE	30° ☐	60° ☐	
19		45° ☐	90° ☑	
20	HEIGTH [mm]	50 ☑	100 ☐	
21		75 ☐	150 ☐	
22	WIDTH [mm]	50 ☑	300 ☐	600 ☐
23		100 ☐	400 ☐	750 ☐
24		150 ☐	450 ☐	
25		200 ☐	500 ☐	
26	INTERNAL RADIUS [mm]	150 ☐	400 ☐	600 ☐
27		300 ☑	500 ☐	900 ☐

QUANTITY

	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
30				
31	H50 x W50 R300 90	5		
43	FIXING CLIP	20		

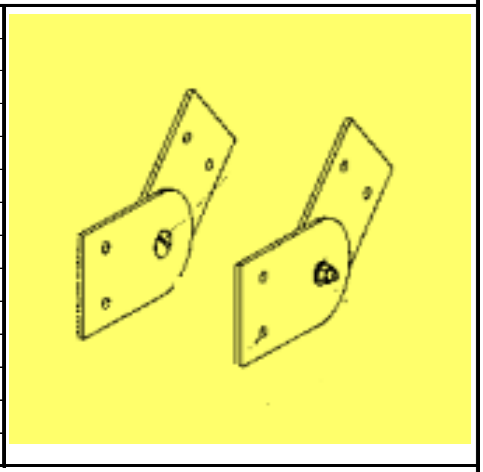
	CODE	REMARKS
44		
45		
46		
47		
48		
49		
50		

51 **NOTES:**

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO
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Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
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4		FLANGE	SIMPLE ☐	BORDERED ☑	
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8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

VERTICAL HINGED JOINT (complete of bolts,nuts and washer)

18	HEIGTH [mm]	50	☐	100	☑
19		75	☐	150	☑

QUANTITY

HEIGHT [mm]	QUANTITY [pc]
100	125
150	25

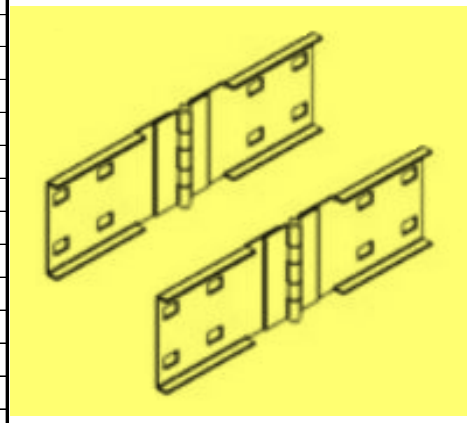
CODE	REMARKS

NOTES:

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 14 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

HORIZONTAL ADJUSTABLE JOINT (complete of bolts,nuts and washer)

18	HEIGTH [mm]	50	☐	100	☑
19		75	☐	150	☑

QUANTITY

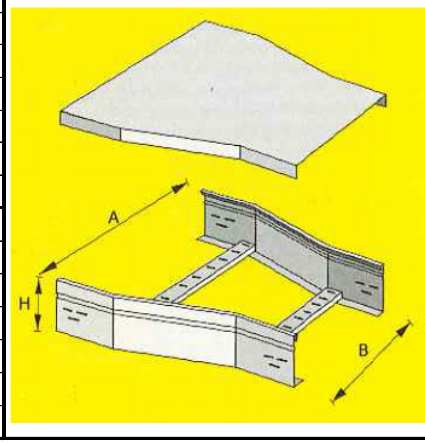
	HEIGHT [mm]	QUANTITY [pc]	
22			
23	100	50	
24	150	15	
25			
26			

	CODE	REMARKS
31		
32		
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45 **NOTES:**

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

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10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

REDUCTION ELEMENT INCLUDING COVER + FIXING CLIP

18	HEIGTH [mm]	50	☐	150	☐	
19		75	☐			
20		100	☑			
21	WIDTH [mm]	200-100	☐	600-300	☑	
22		300-200	☐	600-400	☐	
23		300-150	☑	600-500	☐	
24		450-300	☑			
25		500-300	☐			

QUANTITY

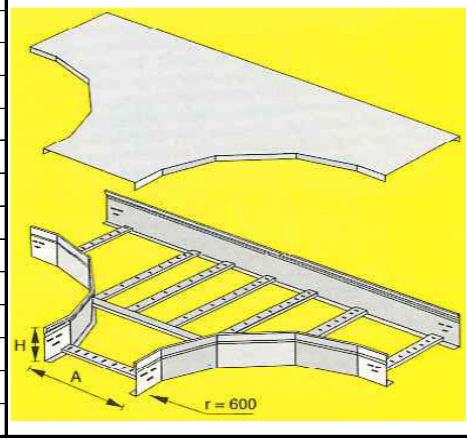
	HEIGHT / WIDTH [mm]	QUANTITY [pc]	HEIGHT / WIDTH [mm]	QUANTITY [pc]	
28					
29	H100 x W300-150	4			
30	H100 x W450-300	3			
31	H100 x W600-300	3			
32					
33					
34					
35	FIXING CLIP	40			

	CODE	REMARKS
36		
37		
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44		

45 **NOTES:**

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
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6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

TEE CONNECTION INCLUDING COVER + FIXING CLIP

18	INTERNAL RADIUS [mm]	300	☑	500	☐	900	☑
19		400	☐	600	☑		
20	HEIGTH [mm]	50	☐	100	☑		
21		75	☐	150	☐		
22	WIDTH [mm]	50	☐	300	☑		
23		100	☐	450	☑		
24		150	☑	600	☑		
25		200	☐	750	☑		

QUANTITY

	HEIGHT x WIDTH , RADIUS [mm]	QUANTITY [pc]	
29	H100 x W300 , R300	3	
30	H100 x W450 , R600	3	
31	H100 x W600 , R600	4	
32	H100 x W150 , R900	3	
33	H100 x W300 , R900	6	
34	H100 x W600 , R900	3	
35	H100 x W750 , R900	3	
36	FIXING CLIP	150	

	CODE	REMARKS
39		
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NOTES:

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

UNISTRUT - MATERIAL LIST

Description	U.M.	QUANTITY
Cover clamp + 1 nut+bolt M6x12 A4(316), 316L, B=25, H=50, T=2	pc	9320
DOU.SLOT.CR.H.SCR. M8X20 AI-316 100PZ Y Composed by 100PCS each box	pc	59
NUT W.SPRING M8 PROF.UR1 AI-316 100P. Y Composed by 100PCS each box	pc	59
R.HE. SCREW SN M6X12 AI-316 100PCS Y Composed by 100PCS each box	pc	23
FLANGED HEX. NUT M6 AI-316 100PCS Y Composed by 100PCS each box	pc	23
E&I Channel Single U normal, Straight element, AISI 316L, B=40mm, H=22mm, L=3000mm, T=2,0mm - U-Channel profile perforated on base p50	pc	100
E&I Channel Single U normal, Straight element, AISI 316L, B=41mm, H=41mm, L=3000mm, T=2,0mm - U-Channel profile perforated on 3 sides p50	pc	500
E&I Channel Double U normal, Straight element, AISI 316L, B=41mm, H=82mm, L=3000mm, T=2,0mm - Double U-Channel profile perforated on 3 sides p50	pc	34
BEAM ATTACHMENT W/COLLAR FOR 40X40 H15 Y	pc	160
BEAM ATTACHMENT W/COLLAR FOR 40X40 H20 Y	pc	40
Plug For Channel 40x40	pc	3000
P 01-UR1 Connection Plate - (1 holes), 40x40xTHK5mm, Material: 316L	pc	400
P 04-UR1 Connection Plate - (4 holes), 40x190xTHK5mm, Material: 316L	pc	200
L 21-UR1 Plate for orthogonal-transv. Connection - L 90° (2 holes), 40x35x53xTHK5mm, Material: 316L	pc	300
L 22-UR1 Plate for orthogonal-transv. Connection - L 90° (3 holes), 40x35x103xTHK5mm, Material: 316L	pc	300
L 24-UR1 Plate for orthogonal-transv. Connection - L 90° (4 holes), 40x84x104xTHK5mm, Material: 316L	pc	100
P 06-UR1 Adjustable Connection Plate - (3 holes), 40x140xTHK5mm, Material: 316L	pc	200
Flanged Hexagonal Nut M10, Material: AISI 316 - A4, Composed by 100pcs each box	pc	6
Hex head nut M10, Material: AISI 316 - A4, Composed by 100pcs each box	pc	30
Nuts for channel with spring 10mm - A4, Composed by 100pcs each box	pc	2
Plane Washer D.10(21), Material: A4/316, Composed by 100pcs each box	pc	60
Grower Spring Washer D.10(17), Material: A4/316, Composed by 100pcs each box	pc	30
Plane Washer D.10(21), Material: A4/316, Composed by 100pcs each box	pc	6
HEXAGONAL HEAD SCREW M10X20 AISI316 100PCS Y, Composed by 100PC Each Box	pc	2
HEXAGONAL HEAD SCREW M10X30 AISI316 100PCS Y, Composed by 100PC Each Box	pc	6
HEXAGONAL HEAD SCREW M10X40 AISI316 100PCS Y, Composed by 100PC Each Box	pc	9
HEXAGONAL HEAD SCREW M10X70 AISI316 100PCS Y, Composed by 100PC Each Box	pc	8
Hex head nut M12, Material: AISI 316 - A4, Composed by 100pcs each box	pc	1
Nuts for channel with spring 12mm - A4, Composed by 100pcs each box	pc	20
Plane Washer D.12(24), Material: A4/316, Composed by 100pcs each box	pc	25
Grower Spring Washer D.12(19), Material: A4/316, Composed by 100pcs each box	pc	25
HEXAGONAL HEAD SCREW M12X30 AISI316 100PCS Y, Composed by 100PC Each Box	pc	20
Flanged Hexagonal Nut M6, Material: AISI 316 - A4, Composed by 100pcs each box	pc	30
Hex head nut M6, Material: AISI 316 - A4, Composed by 100pcs each box	pc	10
Nuts for channel with spring 6mm - A4, Composed by 100pcs each box	pc	30
Plane Washer D.6(12), Material: A4/316, Composed by 100pcs each box	pc	10
Grower Spring Washer D.6(11), Material: A4/316, Composed by 100pcs each box	pc	10
DOUBLE SLOT CROWNED HEAD SCREW M6X20 100PC AISI316, Composed by 100PCs each Box	pc	30
DOUBLE SLOT CROWNED HEAD SCREW M6X30 100PC AISI316, Composed by 100PCs each Box	pc	10
Hex head nut M8, Material: AISI 316 - A4, Composed by 100pcs each box	pc	6
Plane Washer D.8(17), Material: A4/316, Composed by 100pcs each box	pc	24
Grower Spring Washer D.8(14), Material: A4/316, Composed by 100pcs each box	pc	6
Plane Washer D.8(17), Material: A4/316, Composed by 100pcs each box	pc	12
Plane Washer D.8(24) Large, Material: A4/316, Composed by 100pcs each box	pc	5
HEXAGONAL HEAD SCREW M8X16 AISI316 100PCS Y, Composed by 100PC Each Box	pc	5
HEXAGONAL HEAD SCREW M8X30 AISI316 100PCS Y, Composed by 100PC Each Box	pc	6
23-UR1/40x40 Welded Support	pc	25
Ex Nut, TE DIN 933 INOX A4 M10X40	pc	200
Hexagonal Head Screw, TE DIN 933 INOX A4 M5X35	pc	100

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

UNISTRUT - MATERIAL LIST

Description	U.M.	QUANTITY
Square tapered washers for U beams with Ø11 hole (DIN 434 UNI 6598 A4 AISI 316)	pc	200
Hex head nut M5, Nut DIN 934 INOX A4 M5 P0.8 CL.80	pc	100
Plane Washer, RON.INOX A4 DIN 125A M5 (5.3X10X1)	pc	100
U-Channel profile perforated on 3 sides p50	m	360
Plug For Channel 40x40	pc	800
Nuts for channel with spring 10mm - A4, 100pcs Each Box	pc	5
HEXAGONAL HEAD SCREW M10X30 AISI316 100PCS Y, Composed by 100PC Each Box	pc	5
Plane Washer D.10(21), Material: A4/316, Composed by 100pcs each box	pc	5
HEXAGONAL HEAD SCREW M10X30 AISI316 100PCS Y, Composed by 100PC Each Box	pc	7
Hex head nut M10, Material: AISI 316 - A4, Composed by 100pcs each box	pc	7
Plane Washer D.10(21), Material: A4/316, Composed by 100pcs each box	pc	7
P 01-UR1 Connection Plate - 1 Hole, 40x40xTHK5, Material: 316L	pc	200
HEXAGONAL HEAD SCREW M12X30 AISI316 100PCS Y, Composed by 100PC Each Box	pc	2
Hex head nut M12, Material: AISI 316 - A4, Composed by 100pcs each box	pc	2
Plane Washer D.12(24), Material: A4/316, Composed by 100pcs each box	pc	2
HEXAGONAL HEAD SCREW M8X30 AISI316 100PCS Y, Composed by 100PC Each Box	pc	2
Hex head nut M8, Material: AISI 316 - A4, Composed by 100pcs each box	pc	2
Plane Washer D.8(17), Material: A4/316, Composed by 100pcs each box	pc	2
DOUBLE SLOT CROWNED HEAD SCREW M6X30 100PC AISI316, Composed by 100PCs each Box	pc	1
FLANGED HEX. NUT M6 AI-316 100PCS Y, Composed by 100PCS each box	pc	1
Plane Washer D.6(12), Material: A4/316, Composed by 100pcs each box	pc	1
Nuts for channel with spring M8x40mm - A4 100pcs per box	pc	5
HEXAGONAL HEAD SCREW M8X30 AISI316 100PCS Y, Composed by 100PC Each Box	pc	5
Plane Washer D.8(17), Material: A4/316, Composed by 100pcs each box	pc	5
L21-UR1 Plate for orthogonal-transv. Connection - L 90° (2 holes), 40x35x53xTHK5mm, Material: 316L	pc	1000
L 22-UR1 Plate for orthogonal-transv. Connection - L 90° (3 holes), 40x35x103xTHK5mm, Material: 316L	pc	1000
L 24-UR1 Plate for orthogonal-transv. Connection - L 90° (4 holes), 40x84x104xTHK5mm, Material: 316L	pc	1000

Row	Data Sheet for Electrical Cable Trays & Accessories	Rev.
1	Tag No. :	
2	Service :	
3	PURCHASE ORDER SPECIFIC REQUIREMENTS	