

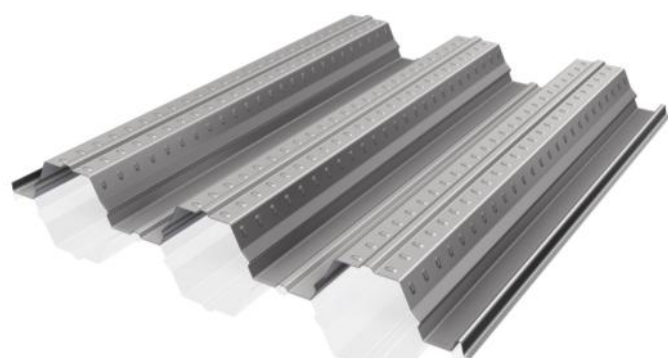
Product Data Sheet

Metal profiles DMC & Composite steel decks

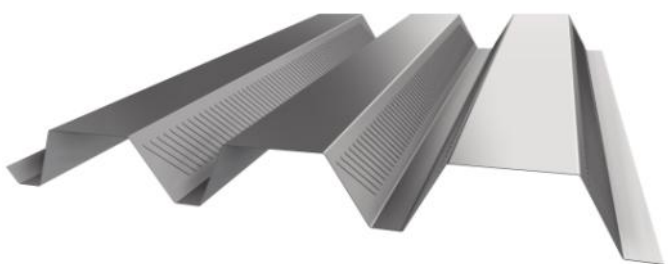
Independent structural elements, metal sheet profiles, galvanizes rarely pre-painted, for roof and wall cladding.



Composite steel decks consists of a standardized steel sheet with paneling and poured concrete. Initially steel sheets used as a metal formwork and after hardening the concrete as a composite slab in all of the construction's life span.

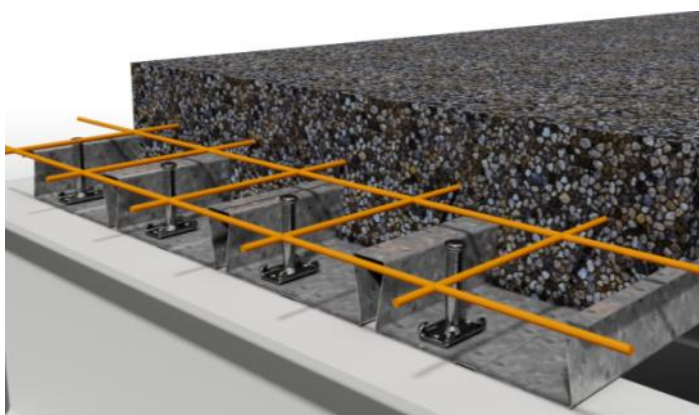


Usually, the concrete is poured with a light steel reinforcement in order to protect the concrete from cracking and handle the negative moments of the supports, when the static system is a continuous multi-span system.

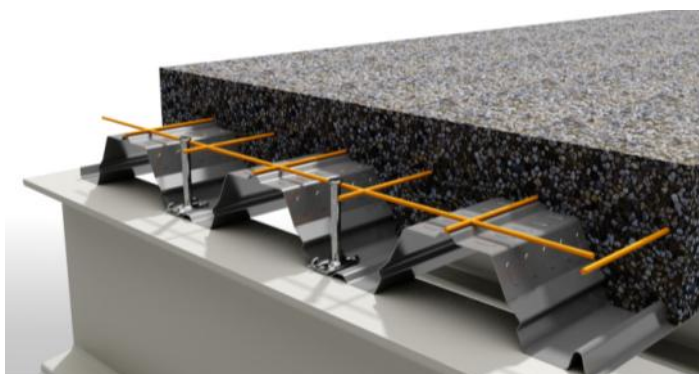


The construction method comes from North America, and has seen a significant increase in construction projects in both Europe and Greece, contributing to the overall increase in steel use in the construction industry.

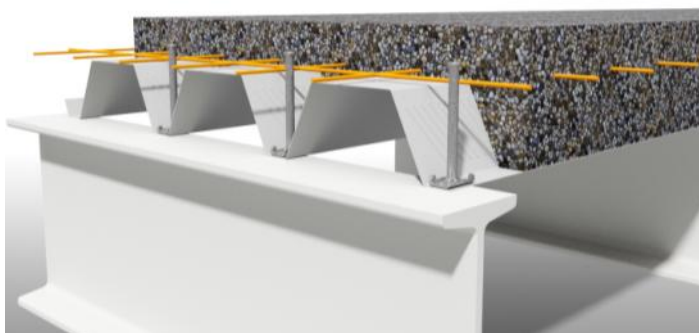
♦ **Composite steel deck 50/190**
Cover width **760 mm**. Sheet thickness **from 0,80 to 1,50 mm**. Fixed lengths up to **14 m**



♦ **Composite steel deck 80/293**
Cover width **880 mm**. Sheet thickness **from 0,80 to 1,50 mm**. Fixed lengths up to **14 m**



♦ **Composite steel deck 98/280**
Cover width **840 mm**. Sheet thickness **from 0,80 to 1,50 mm**. Fixed lengths up to **14 m**



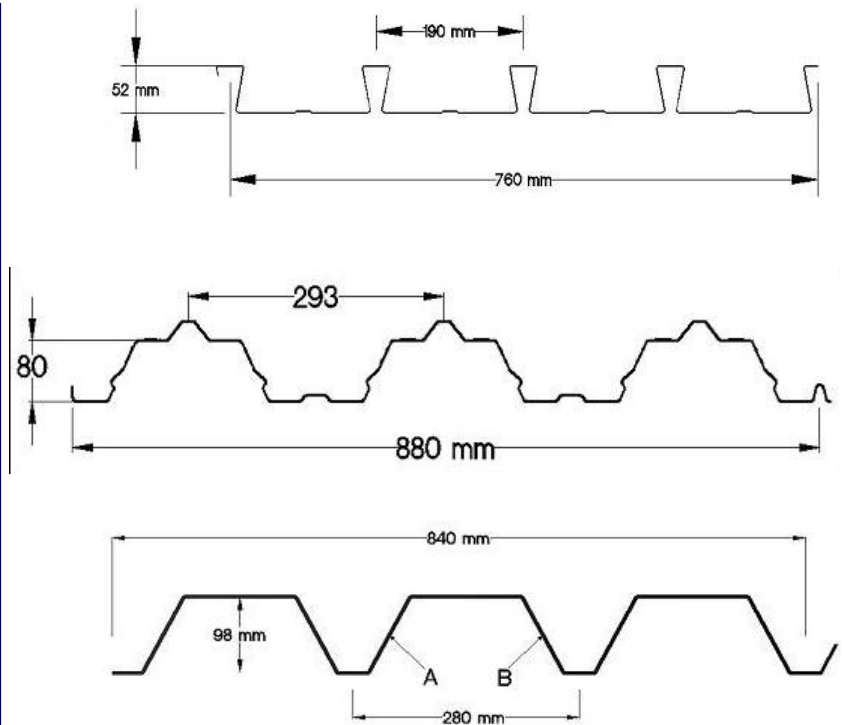
Steel profiles DMC & Composite steel decks

Profile selection

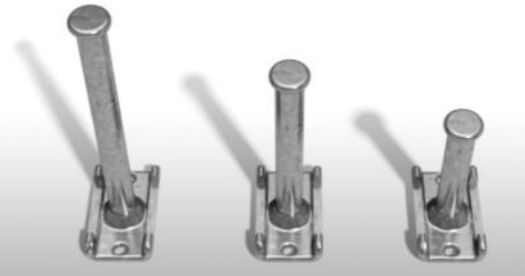
Composite steel decks are manufactured on the basis of the company's high quality criteria covering a wide range of applications. The steel that is used is high quality grade steel, galvanized or by choice pre-painted in a large variety of colors. With the use of composite steel decks, the labor cost of the construction is minimized as it requires shorter building times and it avoids the use of wooden formwork.

Advantages

- Application in all types of buildings as floors, formworks or roofs.
- Structural element with excellent load bearing capacity, suitable for heavy loads.
- Resistant to operating conditions and corrosion due to protective coating.
- Easy and fast standard mounting, cost reduction.
- Wooden formwork is avoided



Shear welding nails



For bonding the concrete slab with the metal formwork, it is recommended to use Shear welding nails. Micro notches on the smooth surface of the metal formwork increase adhesion but are not sufficient. It is recommended to use certified nails that do not require heavy and expensive construction equipment.

- For the 50/190 formwork, a nail 75mm height is recommended
- For the 80/293 formwork, a nail 105mm height is recommended
- For the 98/280 formwork, a nail 125mm height is recommended

Metal sheet options

Galvanized steel sheets produced according to norms EN 10346 & EN 10143,

- Steel grade DX51D up to S350GD
- Hot dip zinc protection up to Z275 gr/m²
- Aluzinc protection AZ70 up to AZ265 gr/m²
- Nominal thickness from 0,80mm **up to 1,5mm**

Different metal sheets mainly for special applications can be steel with color coating, aluminium with or without color coating and stainless steel.

Color coating options

As color coating options can be used the typical Polyester paint of 15µm, the durable Plastisol coating of 200µm, the high requirements PVDF coating of 50µm and the hygiene requirements PVDF coating.

Characteristic essential properties

Profile	M.U.	50/190	80/293	98/280
Cover Width	mm	760	880	840
Development	mm	1250	1250	1250
Weight /m* 0,80	Kg/m	7,85	7,85	7,85
Weight /m* 1,00	Kg/m	9,81	9,81	9,81
Weight /m* 1,25	Kg/m	12,27	12,27	12,27
Weight /m* 1,50	Kg/m	14,72	14,72	14,72

Weight per length meter was calculated taking into account the specific weight of steel 7850 kg / m³. The yield strength of steel 320 Mpa.

Steel profiles DMC & Composite steel decks**Dimensional Tolerances** (according to the norm EN 1090 and Norm EN 508)

		Trapezoidal without stiffeners	Trapezoidal with stiffeners
Sheet Thickness	t	According to norm EN 10143 for steel and According to norm EN 485-4 for aluminium	
Depth of profile	h	$\pm 1,0 \text{ mm}$, $h \leq 50 \text{ mm}$, $\pm 1,5 \text{ mm}$, $50 \sim 100 \text{ mm}$, $\pm 2,0 \text{ mm}$, $h > 100 \text{ mm}$	
Pitch of profile	p	$\pm 2,0 \text{ mm}$, $h \leq 50 \text{ mm}$, $\pm 3,0 \text{ mm}$, $50 \sim 100 \text{ mm}$, $\pm 4,0 \text{ mm}$, $h > 100 \text{ mm}$	
Width of crown and valleys	b	$-1,0 \text{ mm} \sim +2,0 \text{ mm}$	$-1,0 \text{ mm} \sim +4,0 \text{ mm}$
Cover width	w _{1,2,3}	$\pm 5,0 \text{ mm}$, $h \leq 50 \text{ mm}$ or $\pm 0,1 \cdot h \leq 15 \text{ mm}$, $h > 50 \text{ mm}$	
Radius of bends	r	$0 \text{ mm} \sim +2 \text{ mm}$	$\pm 2,0 \text{ mm}$
Deviation from straightness	δ	$\leq 2,0 \text{ mm/m} \ \& \ \leq 10 \text{ mm}$	
Deviation from squareness	S	$S \leq 0.005 \cdot w$	Not required
Length of the profile	l	$-5 \text{ mm} \sim +10 \text{ mm}$, $L \leq 3000 \text{ mm}$	$-5 \text{ mm} \sim +20 \text{ mm}$, $L > 3000 \text{ mm}$
Deviation of side lap	D	$\pm 2.0 \text{ mm}$, $l < 500 \text{ mm}$	
Depth of stiffeners	hr vs		$-1,0 \text{ mm} \sim +3,0 \text{ mm}$ $-0,15 \cdot v \sim +2,0 \text{ mm}$
Position of stiffeners	ha,b,k		$\pm 3,0 \text{ mm}$
Width of flange	bs	$\pm 0,2 \text{ mm}$, $h \leq 100 \text{ mm}$ $-1,0 \text{ mm} \sim +2,0 \text{ mm}$, $h > 100 \text{ mm}$	$-1,0 \text{ mm} \sim +4,0 \text{ mm}$
Deflection of flange	fs	$\leq l/300 \text{ mm} \ \& \ \leq 20 \text{ mm}$	
Corner angle flange / web	φ	$\pm 3.0^\circ$	
Lateral curvature	f _q	$-0.01 \cdot b < 10 \text{ mm} \sim +0.02 \cdot b < 10 \text{ mm}$	
Longitudinal corrugation	f _w	$\pm 2.0 \text{ mm}$, $b=400 \text{ mm}$ $\pm 3.0 \text{ mm}$, $b=500 \text{ mm}$ $\pm 5.0 \text{ mm}$, $b=600 \text{ mm}$	
Longitudinal edge upstand	s	$-2,0 \text{ mm} \sim +5,0 \text{ mm}$ & $s \geq 10,0 \text{ mm}$	
Longitudinal edge width	buf	$bu/2 + 5,0 \leq buf \leq bu-5$, $bu \leq 30,0 \text{ mm}$ $20,0 \leq buf \leq bu-5$, $bu > 30,0 \text{ mm}$	
Crown curvature	he	$\pm 3.0 \text{ mm}$	
Hole diameter	dn	$\pm 0,2 \text{ mm}$, $\Phi \leq 5,0 \text{ mm}$ $-0,2 \text{ mm} \sim +0,4 \text{ mm}$, $\Phi > 5,0 \text{ mm}$	
Hole pitch	ux	$-1,0 \text{ mm} \sim +2,0 \text{ mm}$,	
Offset	v	$\pm 2.0 \text{ mm}$	
Row spacing	uy	$\pm 2.0 \text{ mm}$	
Total number of lines		$\pm 3.0 \%$, completely perforated sheets	
Total number of columns		$\pm 3.0 \%$, completely perforated sheets	

Concerns, steel sheets of thickness $>0,6 \text{ mm}$, aluminium sheets of thickness $>0,7 \text{ mm}$ & stainless steel sheets of thickness $>0,7 \text{ mm}$.
For technical drawings of dimension tolerances please contact with the company's technical department or in Annex D of EN508.

Metal sheet color coating options. Please visit our website:

<https://www.metaltemporiki.gr/products/xromatologio>

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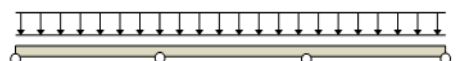
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Technical drawing of a mechanical part with the following dimensions and features:

- Overall length: $760 \pm 5,00$
- Leftmost vertical height: 51
- Horizontal segments from left: 68,25, 34,5, 68,25
- Vertical segment: 28,5
- Top horizontal segment: 50,8
- Top horizontal segment: 40
- Angle: 77°
- Angle: 30°
- Horizontal segment: 190
- Vertical segment: 1,5
- Radii: R2, R3, R2, R2,5, R3
- Bottom horizontal segments: 68,25, 34,5, 68,25, 19

- Steel grade S320GD+Z, with minimum yield strength 320 N/mm², according to EN 10346:2013
- Minimum support width 100mm

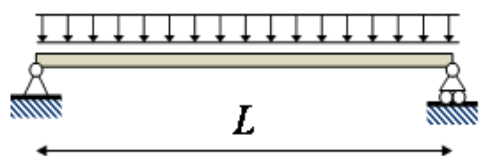
		Max length of multi-spans L [m]								
		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m²								
Nominal thickness t [mm]	0,80	25,03	15,98	11,07	8,11	6,19	4,87	3,90	2,93	2,25
	1,00	31,79	20,30	14,06	10,30	7,85	6,19	4,88	3,66	2,82
	1,25	40,33	25,76	17,95	13,07	9,97	7,85	6,09	4,58	3,53
	1,50	48,96	31,27	21,66	15,87	12,11	9,53	7,31	5,50	4,23

- * Ultimate limit state according to Eurocode 3, EN 1993-1-3 and EN 1993-1-5, for positive moment, negative moment and vertical shear.
- * For serviceability limit state is considered safety factor G permanent + Q mobile loads = 1,00. The permitted immersion of each panel determined $< L/200$ for $G+Q$ and $L/250$ only for Q , where L is the span.
- * For limit state failure is considered safety factor $S = 1,1$ for load equal to $1,35 G + 1,50 Q$

Steel profiles DMC & Composite steel decks**Composite steel deck 50/190**

- Steel grade S320GD+Z, with minimum yield strength 320 N/mm², according to EN 10346:2013
- Concrete quality: C 20/25 and reinforcement steel grid grade: B500C
- Minimum support width 100mm

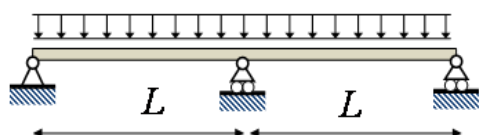
Reinforcement at support points - negative moments						
Concrete slab thickness h_c in [m]						
0,14	0,15	0,16	0,17	0,18	0,19	0,20
Reinforcement [mm/cm]						
Φ8/20	Φ8/15	Φ8/15	Φ10/20	Φ10/20	Φ10/15	Φ10/15

Max length of **single** span L [m]

1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
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Max Load bearing capacity Q in kN/m²

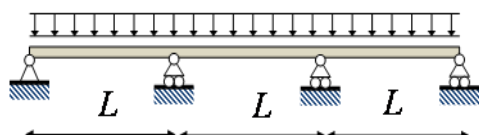
Concrete slab Nominal thickness $h_c = 0,20m$	0,80	105,74	83,79	69,16	58,70	50,86	44,77	39,89	35,90	30,66
	1,00	114,11	90,48	74,73	63,48	55,04	48,47	43,22	38,93	35,35
Sheet Nominal thickness : t [mm]	1,25	123,11	97,67	80,72	68,61	59,52	52,46	46,81	42,18	38,33
	1,50	130,97	103,96	85,95	73,09	63,44	55,94	49,93	45,02	40,93

Max Load bearing capacity Q in kN/m²

1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
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Max Load bearing capacity Q in kN/m²

Concrete slab Nominal thickness $h_c = 0,20m$	0,80	83,79	66,23	54,52	46,16	38,97	29,95	23,50	18,72	15,09
	1,00	90,48	71,58	58,97	49,97	38,95	29,93	23,48	18,70	15,07
Sheet Nominal thickness : t [mm]	1,25	97,67	77,33	63,76	52,08	38,92	29,90	23,45	18,67	15,04
	1,50	103,96	82,35	67,94	52,06	38,90	29,88	23,42	18,65	15,02

Max length of **multi**-spans L [m]

1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
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Max Load bearing capacity Q in kN/m²

Concrete slab Nominal thickness $h_c = 0,20m$	0,80	87,45	69,16	56,96	48,25	41,72	36,64	30,49	24,50	19,94
	1,00	94,42	74,73	61,60	52,22	45,19	38,56	30,47	24,48	19,92
Sheet Nominal thickness : t [mm]	1,25	101,91	80,72	66,59	56,50	48,93	38,53	30,44	24,45	19,90
	1,50	108,46	85,95	70,94	60,22	49,82	38,50	30,41	24,42	19,87

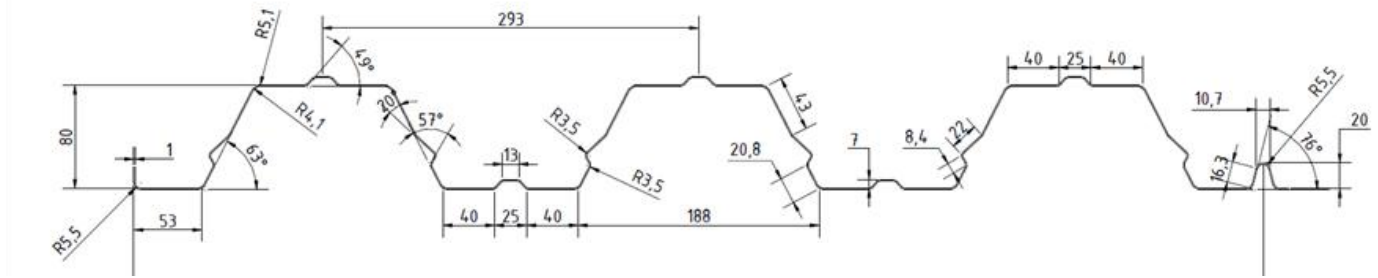
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- * For serviceability limit state is considered safety factor G permanent + Q mobile loads = 1,00. The permitted immersion of each panel determined $< L/200$ for G+Q and $L/250$ only for Q, where L is the span.
- * For ultimate limit state failure is considered safety factor S = 1,1 for load equal to 1,35 G + 1,50 Q
- * Considered full joint against longitudinal shear with the use of Shear welding nails.
- * Values in shaded areas at the tables require intermediate support. It is recommended to install temporary supports during the construction phase even when not required.
- * Contact with the technical department of the company for span tables with nominal thicknesses of concrete slab 0.14, 0.15, 0.16, 0.17, 0.18 and 0.19m.

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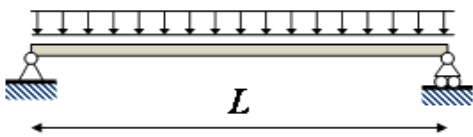
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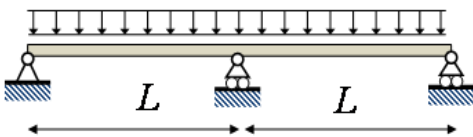
Steel profiles DMC & Composite steel decks**Profile 80/293**

Nominal thickness	mm	0,80	1,00	1,25	1,50
Weight G of profile	Kg/m ²	8,92	11,15	13,94	16,73
Area A of profile	cm ² /m	10,48	13,08	16,35	19,65
Moment of inertia Ix	cm ⁴ /m	115,08	143,61	179,51	215,78

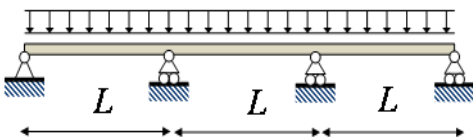
- Steel grade S320GD+Z, with minimum yield strength 320 N/mm², according to EN 10346:2013
- Minimum support width 100mm

Max length of **single** span L [m]

		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
Max Load bearing capacity Q in kN/m ²										
Nominal thickness t [mm]	0,80	35,44	22,65	15,71	11,52	8,80	6,52	4,75	3,57	2,75
	1,00	49,97	31,95	22,16	16,25	11,58	8,13	5,93	4,46	3,43
	1,25	66,14	42,29	29,33	21,52	14,48	10,17	7,41	5,57	4,26
	1,50	79,52	50,84	35,26	25,87	17,40	12,22	8,91	6,69	5,16

Max length of **two** spans L [m]

		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
Max Load bearing capacity Q in kN/m ²										
Nominal thickness t [mm]	0,80	35,33	22,58	15,66	11,48	8,78	6,92	5,59	4,61	3,86
	1,00	47,25	30,21	20,92	15,36	11,74	9,26	7,48	6,17	5,17
	1,25	62,34	39,86	27,64	20,28	15,50	12,22	9,98	8,14	6,82
	1,50	75,05	47,98	33,28	24,41	18,66	14,71	11,89	9,80	8,21

Max length of **multi**-spans L [m]

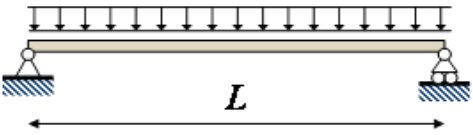
		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
Max Load bearing capacity Q in kN/m ²										
Nominal thickness t [mm]	0,80	44,18	28,25	19,59	14,37	10,99	8,67	7,00	5,78	4,84
	1,00	59,09	37,78	26,21	19,23	14,70	11,60	9,37	7,73	6,47
	1,25	77,96	49,85	34,58	25,38	19,40	15,30	12,37	10,21	8,05
	1,50	93,85	60,01	41,63	30,55	23,36	18,42	14,90	12,29	9,73

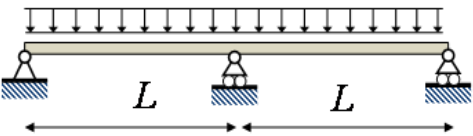
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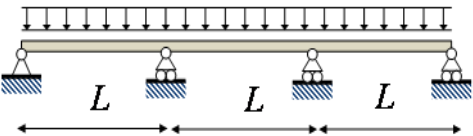
Steel profiles DMC & Composite steel decks**Composite steel deck 80/293**

- Steel grade S320GD+Z, with minimum yield strength 320 N/mm², according to EN 10346:2013
- Concrete quality: C 20/25 and reinforcement steel grid grade: B500C
- Minimum support width 100mm

Reinforcement at support points - negative moments						
Concrete slab thickness h_c in [m]						
0,14	0,15	0,16	0,17	0,18	0,19	0,20
Reinforcement [mm/cm]						
Φ8/20	Φ8/15	Φ8/15	Φ10/20	Φ10/20	Φ10/15	Φ10/15

		Max length of single span L [m]								
		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m ²								
Concrete slab Nominal thickness $h_c = 0,20m$	0,80	65,60	51,81	42,62	36,05	31,13	27,30	24,24	21,73	19,64
	1,00	70,85	56,01	46,12	39,05	33,75	29,62	26,33	23,63	21,38
Sheet Nominal thickness : t [mm]	1,25	74,67	59,06	48,66	41,22	35,65	31,31	27,84	25,00	22,64
	1,50	74,65	59,04	48,63	41,20	35,63	31,29	27,82	24,98	22,62

		Max Load bearing capacity Q in kN/m ²								
		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m ²								
Concrete slab Nominal thickness $h_c = 0,20m$	0,80	51,81	40,78	33,43	28,18	24,24	21,17	18,72	16,71	14,84
	1,00	56,01	44,14	36,22	30,57	26,33	23,03	20,39	18,23	14,82
Sheet Nominal thickness : t [mm]	1,25	59,06	46,57	38,25	32,30	27,84	24,37	21,60	18,25	14,80
	1,50	59,04	46,55	38,23	32,28	27,82	24,35	21,58	18,23	14,78

		Max length of multi -spans L [m]								
		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m ²								
Concrete slab Nominal thickness $h_c = 0,20m$	0,80	54,11	52,62	34,96	29,59	25,38	22,19	19,64	17,55	15,81
	1,00	58,48	46,12	37,87	31,98	27,56	24,13	21,38	19,13	17,26
Sheet Nominal thickness : t [mm]	1,25	61,66	48,66	39,98	33,79	29,14	25,53	22,64	20,27	18,30
	1,50	61,64	48,63	39,96	33,77	29,12	25,51	22,62	20,25	18,28

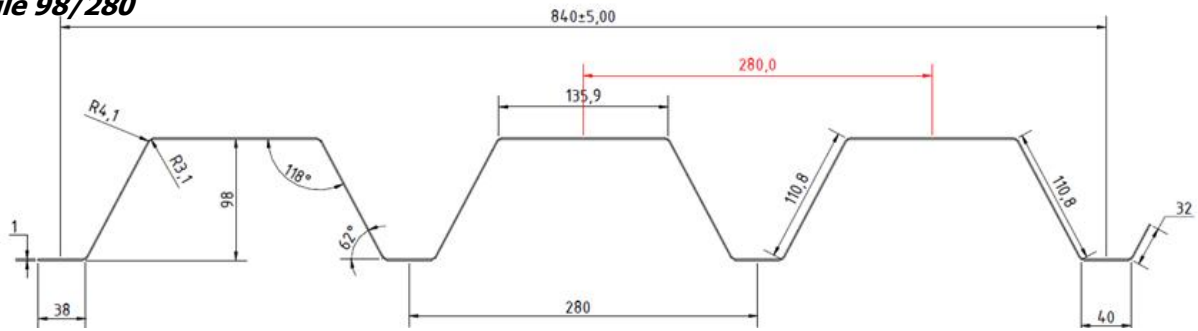
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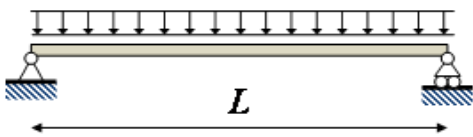
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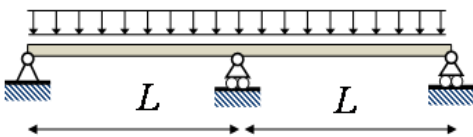
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Steel profiles DMC & Composite steel decks**Profile 98/280**

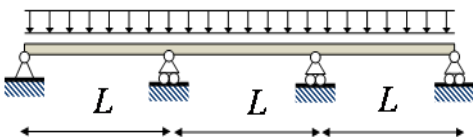
Nominal thickness	mm	0,80	1,00	1,25	1,50	- Steel grade S320GD+Z, with minimum yield strength 320 N/mm², according to EN 10346:2013 - Minimum support width 100mm
Weight G of profile	Kg/m ²	9,35	11,68	14,60	17,52	
Area A of profile	cm ² /m	11,37	14,21	17,76	21,32	
Moment of inertia Ix	cm ⁴ /m	155,57	194,46	243,08	291,65	

Max length of **single** span L [m]

		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m ²								
Nominal thickness t [mm]	0,80	28,55	18,25	12,65	9,27	7,08	5,58	4,50	3,71	3,10
	1,00	42,28	27,02	18,73	13,74	10,49	8,27	6,68	5,50	4,61
	1,25	54,38	34,76	24,10	17,67	13,50	10,64	8,60	7,08	5,81
	1,50	66,75	42,66	29,58	21,69	16,57	13,06	10,55	8,70	6,97

Max length of **two** spans L [m]

		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m ²								
Nominal thickness t [mm]	0,80	27,70	17,70	12,27	8,99	6,87	5,41	4,36	3,59	3,01
	1,00	40,70	26,01	18,03	13,22	10,10	7,96	6,43	5,29	4,43
	1,25	58,61	37,46	25,98	19,05	14,56	11,48	9,27	7,64	6,40
	1,50	71,59	45,76	31,73	23,27	17,78	14,02	11,33	9,34	7,82

Max length of **multi**-spans L [m]

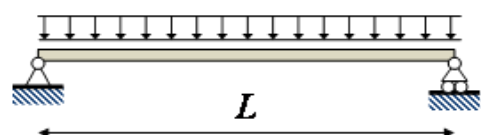
		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m ²								
Nominal thickness t [mm]	0,80	27,70	17,70	12,27	8,99	6,87	5,41	4,36	3,59	3,01
	1,00	40,70	26,01	18,03	13,22	10,10	7,96	6,43	5,29	4,43
	1,25	58,61	37,46	25,98	19,05	14,56	11,48	9,27	7,64	6,40
	1,50	71,59	45,76	31,73	23,27	17,78	14,02	11,33	9,34	7,82

- * Ultimate limit state according to Eurocode 3, EN 1993-1-3 and EN 1993-1-5, for positive moment, negative moment and vertical shear.
- * For serviceability limit state is considered safety factor G permanent + Q mobile loads = 1,00. The permitted immersion of each panel determined < L/200 for G+Q and L/250 only for Q, where L is the span.
- * For limit state failure is considered safety factor S = 1,1 for load equal to 1,35 G + 1,50 Q

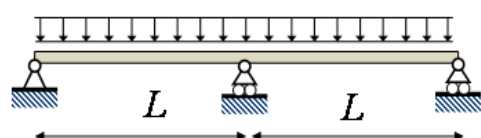
Steel profiles DMC & Composite steel decks**Composite steel deck 98/280**

- Steel grade S320GD+Z, with minimum yield strength 320 N/mm², according to EN 10346:2013
- Concrete quality: C 20/25 and reinforcement steel grid grade: B500C
- Minimum support width 100mm

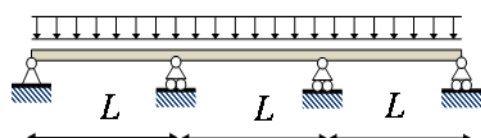
Reinforcement at support points - negative moments						
Concrete slab thickness h_c in [m]						
0,14	0,15	0,16	0,17	0,18	0,19	0,20
Reinforcement [mm/cm]						
Φ8/20	Φ8/15	Φ8/15	Φ10/20	Φ10/20	Φ10/15	Φ10/15



		Max length of single span L [m]								
		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m ²								
Concrete slab Nominal thickness $h_c = 0,20m$	0,80	42,18	33,18	27,18	22,89	19,68	17,18	15,18	13,54	12,18
	1,00	42,16	33,16	27,16	22,87	19,66	17,16	15,16	13,52	12,16
Sheet Nominal thickness : t [mm]	1,25	42,14	33,14	27,14	22,85	19,64	17,14	15,14	13,50	12,14
	1,50	42,11	33,11	27,12	22,83	19,62	17,12	15,12	13,48	12,12



		Max Load bearing capacity Q in kN/m ²								
		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m ²								
Concrete slab Nominal thickness $h_c = 0,20m$	0,80	33,18	25,98	21,18	17,75	15,18	13,18	11,58	10,27	9,18
	1,00	33,16	25,96	21,16	17,73	15,16	13,16	11,56	10,25	9,16
Sheet Nominal thickness : t [mm]	1,25	33,03	25,83	21,03	17,60	15,03	13,03	11,43	10,12	9,03
	1,50	33,00	25,81	21,01	17,58	15,01	13,01	11,41	10,10	9,01



		Max length of multi -spans L [m]								
		1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Max Load bearing capacity Q in kN/m ²								
Concrete slab Nominal thickness $h_c = 0,20m$	0,80	34,68	27,18	22,18	18,61	15,93	13,85	12,18	10,82	9,68
	1,00	34,66	27,16	22,16	18,59	15,91	13,83	12,16	10,80	9,66
Sheet Nominal thickness : t [mm]	1,25	34,64	27,14	22,14	18,57	15,89	13,81	12,14	10,78	9,64
	1,50	34,61	27,12	22,12	18,54	15,87	13,78	12,12	10,75	9,62

- * Ultimate limit state according to Eurocode 3, EN 1993-1-3 and EN 1993-1-5, for positive moment, negative moment and vertical shear. Loads as specified in Eurocode 4, EN 1994.
- * For serviceability limit state is considered safety factor G permanent + Q mobile loads = 1,00. The permitted immersion of each panel determined $< L/200$ for G+Q and $L/250$ only for Q, where L is the span.
- * For ultimate limit state failure is considered safety factor S = 1,1 for load equal to 1,35 G + 1,50 Q
- * Considered full joint against longitudinal shear with the use of Shear welding nails.
- * Values in shaded areas at the tables require intermediate support. It is recommended to install temporary supports during the construction phase even when not required.
- * Contact with the technical department of the company for span tables with nominal thicknesses of concrete slab 0.14, 0.15, 0.16, 0.17, 0.18 και 0.19m.

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