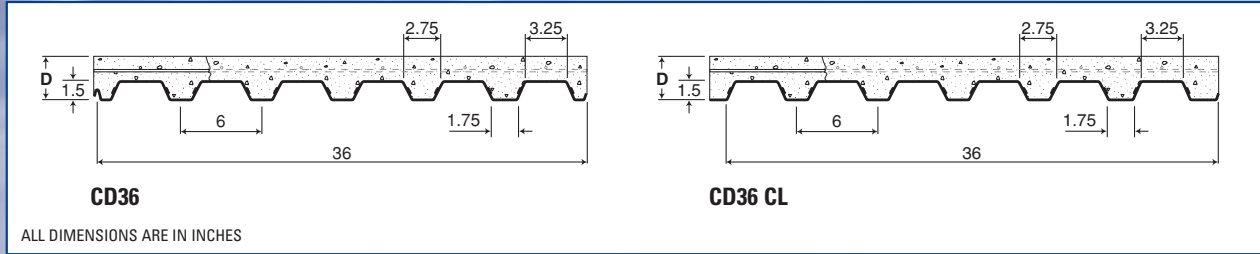


Composite Deck (Galvanneal) A25

CD36 / CD36 CL



Steel Deck Section Properties
(Per Foot of Width)

Composite Slab Properties
(Per Foot of Width)

Base Steel Thickness (in.)	Weight Galvanneal (psf)	Area of Steel (in ²)	Yield Stress (KSI)	Section Modulus (in ³)		Deflection Inertia Midspan (in ⁴)	Overall Slab Depth, D (in.)									
				Midspan	Support		4.0	4.5	5.0	5.5	6.0					
0.030	1.66	0.474	33	0.184	0.183	0.163	Slab Weight (psf)									
0.036	1.99	0.569	33	0.226	0.233	0.207	Concrete Volume (yd ³ /100ft ²)									
0.048	2.66	0.756	33	0.307	0.315	0.280	41.2	47.4	53.7	59.9	66.2	0.95	1.11	1.26	1.42	1.57

Load Table

Live Load Factor = 1.5; Importance Factor (I_{s-sls}) = 0.90; Importance Factor (I_{s-uls}) = 1.0

Maximum Specified Uniformly Distributed Loads (psf)

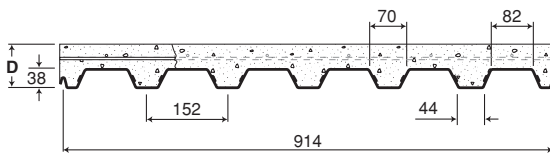
Slab Depth, D (in.)		4.0			4.5			5.0			5.5			6.0			
Base Steel (in.)	Span (ft.)	Deck Span			Deck Span			Deck Span			Deck Span			Deck Span			
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
0.030	5'-0"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	5'-6"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	6'-0"	395	395	395	400	400	400	400	400	400	400	400	400	400	400	400	400
	6'-6"	346	346	346	400	400	400	400	400	400	400	400	400	400	400	400	400
	7'-0"	307	307	307	356	356	356	400	400	400	400	400	400	400	400	400	400
	7'-6"	269	269	269	318	318	318	362	362	362	400	400	400	400	400	400	400
	8'-0"	232	232	232	276	276	276	320	320	320	364	364	364	400	400	400	400
0.036	5'-0"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	5'-6"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	6'-0"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	6'-6"	392	392	392	400	400	400	400	400	400	400	400	400	400	400	400	400
	7'-0"	350	350	350	400	400	400	400	400	400	400	400	400	400	400	400	400
	7'-6"	315	315	315	365	365	365	400	400	400	400	400	400	400	400	400	400
	8'-0"	276	276	276	329	329	329	377	377	377	400	400	400	400	400	400	400
0.048	5'-6"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	6'-0"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	6'-6"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	7'-0"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	7'-6"	377	377	377	400	400	400	400	400	400	400	400	400	400	400	400	400
	8'-0"	345	345	345	400	400	400	400	400	400	400	400	400	400	400	400	400
	8'-6"	307	307	307	368	368	368	400	400	400	400	400	400	400	400	400	400
	9'-0"	271	271	271	327	327	327	383	383	383	400	400	400	400	400	400	400
	9'-6"	239	239	239	289	289	289	339	339	339	390	390	390	400	400	400	400
	10'-0"	210	210	210	257	257	257	302	302	302	347	347	347	391	391	391	391

- Note: 1 - One shore support required at midspan in shaded areas.
- 2 - Slab Weight includes steel deck and concrete slab, which has been accounted for in load table.
- 3 - See Designer Notes - Composite Slab.
- 4 - See Designer Notes - Web Crippling for important notes regarding Web Crippling design.
- 5 - Bundled deck produced from either Galvanneal or G90 Galvanized coated steel is susceptible to storage stain when exposed to the elements. This staining is superficial only and is not a valid reason for rejection of this product.

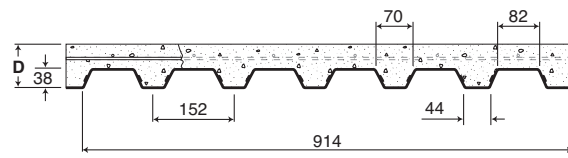
METRIC

CD36 / CD36 CL

Composite Deck (Galvanneal) ZF75



CD36



CD36 CL

ALL DIMENSIONS ARE IN MILLIMETERS

Steel Deck Section Properties

(Per Metre of Width)

Composite Slab Properties

(Per Metre of Width)

Base Steel Thickness (mm)	Mass ZF75 Galvanneal (kg/m ²)	Area of Steel (mm ²)	Yield Stress (Mpa)	Section Modulus (x10 ³ mm ³)		Deflection Inertia Midspan (x10 ⁶ mm ⁴)	Overall Slab Depth, D (mm)									
				Midspan	Support		100	110	120	130	140					
0.762	8.10	1004	230	9.89	9.83	0.222	Slab Weight (kPa)									
0.914	9.72	1203	230	12.10	12.50	0.281	Concrete Volume (m ³ /10 m ²)									
1.220	13.00	1600	230	16.50	16.90	0.383	1.86	2.08	2.31	2.53	2.76	0.77	0.87	0.97	1.07	1.17

Load Table

Live Load Factor = 1.5; Importance Factor (I_{s-sls}) = 0.90; Importance Factor (I_{s-uls}) = 1.0

Maximum Specified Uniformly Distributed Loads (kPa)

Slab Depth, D (mm)		100			110			120			130			140			
Base Steel (mm)	Span (mm)	Deck Span			Deck Span			Deck Span			Deck Span			Deck Span			
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
0.762	1500	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	1600	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	1800	19.1	19.1	19.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000	16.0	16.0	16.0	18.1	18.1	18.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2200	13.7	13.7	13.7	15.5	15.5	15.5	17.3	17.3	17.3	19.1	19.1	19.1	20.0	20.0	20.0	20.0
	2400	11.5	11.5	11.5	13.2	13.2	13.2	14.9	14.9	14.9	16.6	16.6	16.6	18.1	18.1	18.1	18.1
	2500	10.4	10.4	10.4	12.0	12.0	12.0	13.6	13.6	13.6	15.2	15.2	15.2	16.8	16.8	16.8	16.8
	2600	9.5	9.5	9.5	11.0	11.0	11.0	12.5	12.5	12.5	13.9	13.9	13.9	15.4	15.4	15.4	15.4
0.914	1500	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	1600	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	1800	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000	18.1	18.1	18.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2200	15.6	15.6	15.6	17.6	17.6	17.6	19.7	19.7	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2400	13.5	13.5	13.5	15.5	15.5	15.5	17.2	17.2	17.2	19.0	19.0	19.0	20.0	20.0	20.0	20.0
	2500	12.3	12.3	12.3	14.3	14.3	14.3	16.2	16.2	16.2	17.9	17.9	17.9	19.5	19.5	19.5	19.5
	2600	11.3	11.3	11.3	13.1	13.1	13.1	14.8	14.8	14.8	16.6	16.6	16.6	18.4	18.4	18.4	18.4
1.220	1500	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	1600	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	1800	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2200	18.7	18.7	18.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2400	16.5	16.5	16.5	18.7	18.7	18.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2500	15.6	15.6	15.6	17.7	17.7	17.7	19.7	19.7	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2600	14.4	14.4	14.4	16.7	16.7	16.7	18.6	18.6	18.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2800	12.2	12.2	12.2	14.3	14.3	14.3	16.3	16.3	16.3	18.4	18.4	18.4	20.0	20.0	20.0	20.0
	3000	10.0	10.0	10.0	12.2	12.2	12.2	14.0	14.0	14.0	15.8	15.8	15.8	17.5	17.5	17.5	17.5

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