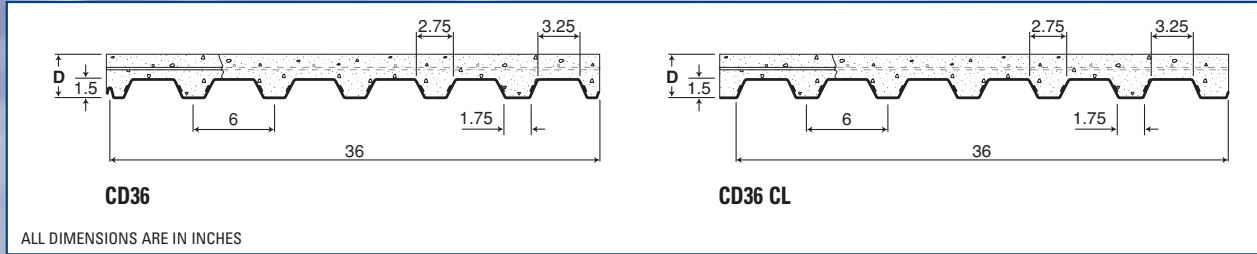


Composite Deck (Galvanized) G90

CD36 / CD36 CL



**Steel Deck Section Properties**  
(Per Foot of Width)

**Composite Slab Properties**  
(Per Foot of Width)

Base Steel Thickness (in.)	Weight Galvanized (psf)	Area of Steel (in <sup>2</sup> )	Yield Stress (KSI)	Section Modulus (in <sup>3</sup> )		Deflection Inertia Midspan (in <sup>4</sup> )	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 <sup>3</sup> /100ft <sup>2</sup> )									
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<sub>S-SLS</sub>) = 0.90; Importance Factor (I<sub>S-ULS</sub>) = 1.0

**Maximum Specified Uniformly Distributed Loads (psf)**

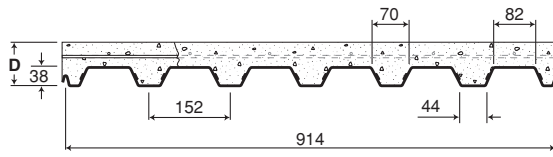
Slab Depth, D (in.)		4.0			4.5			5.0			5.5			6.0		
Base Steel (in.)	Span (ft.)	Deck Span			Deck Span			Deck Span			Deck Span			Deck Span		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
0.030	5'-0"	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	5'-6"	341	341	341	395	395	395	400	400	400	400	400	400	400	400	400
	6'-0"	288	288	288	334	334	334	381	381	381	400	400	400	400	400	400
	6'-6"	247	247	247	287	287	287	326	326	326	366	366	366	400	400	400
	7'-0"	215	215	215	249	249	249	283	283	283	318	318	318	352	352	352
	7'-6"	188	188	188	218	218	218	249	249	249	279	279	279	309	309	309
	8'-0"	166	166	166	193	193	193	220	220	220	247	247	247	273	273	273
0.036	5'-0"	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	
	6'-0"	356	356	356	400	400	400	400	400	400	400	400	400	400	400	
	6'-6"	312	312	312	362	362	362	400	400	400	400	400	400	400	400	
	7'-0"	276	276	276	321	321	321	365	365	365	400	400	400	400	400	
	7'-6"	247	247	247	287	287	287	327	327	327	366	366	366	400	400	
	8'-0"	223	223	223	259	259	259	295	295	295	330	330	330	366	366	
0.048	5'-6"	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		
	6'-6"	400	400	400	400	400	400	400	400	400	400	400	400	400		
	7'-0"	380	380	380	400	400	400	400	400	400	400	400	400	400		
	7'-6"	347	347	347	400	400	400	400	400	400	400	400	400	400		
	8'-0"	318	318	318	369	369	369	400	400	400	400	400	400	400		
	8'-6"	294	294	294	341	341	341	389	389	389	400	400	400	400		
	9'-0"	273	273	273	317	317	317	361	361	361	400	400	400	400		
	9'-6"	243	243	243	294	294	294	337	337	337	378	378	378	400		
	10'-0"	212	212	212	262	262	262	307	307	307	353	353	353	392		

- 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 Galvalume 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.

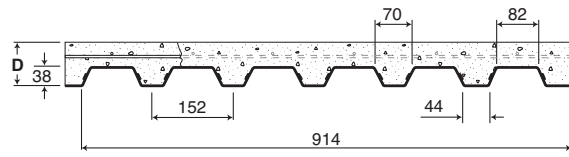
**METRIC**

**CD36 / CD36 CL**

**Composite Deck (Galvanized) Z275**



**CD36**



**CD36 CL**

ALL DIMENSIONS ARE IN MILLIMETERS

**Steel Deck Section Properties**

(Per Metre of Width)

Base Steel Thickness (mm)	Mass Z275 Galvanized (kg/m <sup>2</sup> )	Area of Steel (mm <sup>2</sup> )	Yield Stress (Mpa)	Section Modulus (x10 <sup>3</sup> mm <sup>3</sup> )		Deflection Inertia Midspan (x10 <sup>6</sup> mm <sup>4</sup> )
				Midspan	Support	
0.762	8.10	1004	230	9.89	9.83	0.222
0.914	9.72	1203	230	12.10	12.50	0.281
1.220	13.00	1600	230	16.50	16.90	0.383

**Composite Slab Properties**

(Per Metre of Width)

Overall Slab Depth, D (mm)				
100	110	120	130	140
Slab Weight (kPa)				
Concrete Volume (m <sup>3</sup> /10 m <sup>2</sup> )				
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<sub>s-SLS</sub>) = 0.90; Importance Factor (I<sub>s-ULS</sub>) = 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	19.5	19.5	19.5	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	17.2	17.2	17.2	19.5	19.5	19.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	1800	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
	2000	11.2	11.2	11.2	12.7	12.7	12.7	14.1	14.1	14.1	15.6	15.6	15.6	17.0	17.0	17.0
	2200	9.4	9.4	9.4	10.6	10.6	10.6	11.8	11.8	11.8	13.0	13.0	13.0	14.2	14.2	14.2
	2400	7.9	7.9	7.9	8.9	8.9	8.9	10.0	10.0	10.0	11.0	11.0	11.0	12.0	12.0	12.0
	2500	7.3	7.3	7.3	8.3	8.3	8.3	9.2	9.2	9.2	10.2	10.2	10.2	11.1	11.1	11.1
	2600	6.8	6.8	6.8	7.7	7.7	7.7	8.6	8.6	8.6	9.4	9.4	9.4	10.3	10.3	10.3
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
	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
	1800	17.0	17.0	17.0	19.2	19.2	19.2	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000	14.3	14.3	14.3	16.1	16.1	16.1	18.0	18.0	18.0	19.8	19.8	19.8	20.0	20.0	20.0
	2200	12.2	12.2	12.2	13.8	13.8	13.8	15.4	15.4	15.4	17.0	17.0	17.0	18.5	18.5	18.5
	2400	10.6	10.6	10.6	12.0	12.0	12.0	13.4	13.4	13.4	14.8	14.8	14.8	16.1	16.1	16.1
	2500	10.0	10.0	10.0	11.3	11.3	11.3	12.5	12.5	12.5	13.8	13.8	13.8	15.1	15.1	15.1
	2600	9.4	9.4	9.4	10.6	10.6	10.6	11.8	11.8	11.8	13.0	13.0	13.0	14.2	14.2	14.2
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
	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
	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
	2000	19.6	19.6	19.6	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	17.2	17.2	17.2	19.4	19.4	19.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2400	15.3	15.3	15.3	17.3	17.3	17.3	19.3	19.3	19.3	20.0	20.0	20.0	20.0	20.0	20.0
	2500	14.5	14.5	14.5	16.4	16.4	16.4	18.3	18.3	18.3	20.0	20.0	20.0	20.0	20.0	20.0
	2600	13.8	13.8	13.8	15.6	15.6	15.6	17.4	17.4	17.4	19.2	19.2	19.2	20.0	20.0	20.0
	2800	12.3	12.3	12.3	14.2	14.2	14.2	15.8	15.8	15.8	17.4	17.4	17.4	19.0	19.0	19.0
	3000	10.0	10.0	10.0	12.3	12.3	12.3	14.1	14.1	14.1	15.9	15.9	15.9	17.4	17.4	17.4

- Note: 1 - One shore support required at midspan in shaded areas.
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