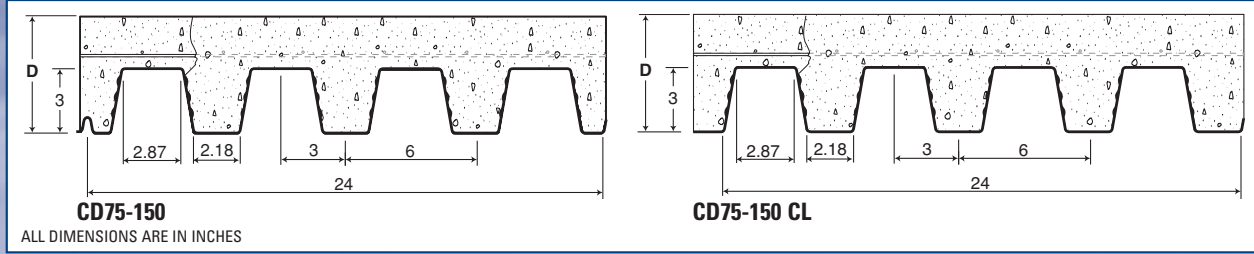


Composite Deck (Galvanneal) A25 CD75-150/CD75-150 CL



Steel Deck Section Properties (Per Foot of Width)

Base Steel Thickness (in.)	Weight A25 Galvanneal (psf)	Area of Steel (in ²)	Yield Stress (KSI)	Section Modulus (in ³)		Deflection Inertia Midspan (in ⁴)
				Midspan	Support	
0.030	2.34	0.672	33	0.485	0.492	0.866
0.036	2.80	0.806	33	0.621	0.623	1.07
0.048	3.71	1.07	33	0.882	0.898	1.46
0.060	4.63	1.34	33	1.12	1.12	1.82

Composite Slab Properties (Per Foot of Width)

Overall Slab Depth, D (in.)				
5.0	5.5	6.0	6.5	7.0
Slab Weight (psf)				
Concrete Volume (yd ³ /100ft ²)				
46.2	52.5	58.7	65.0	71.2
1.03	1.18	1.34	1.49	1.64

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.)		5.0			5.5			6.0			6.5			7.0		
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	9'-0"	253	253	253	291	291	291	328	328	328	365	365	365	400	400	400
	9'-6"	233	233	233	267	267	267	302	302	302	336	336	336	370	370	370
	10'-0"	215	215	215	247	247	247	279	279	279	310	310	310	342	342	342
	10'-6"	194	194	194	229	229	229	258	258	258	288	288	288	317	317	317
	11'-0"	174	174	174	205	205	205	237	237	237	268	268	268	296	296	296
0.036	10'-0"	233	233	233	267	267	267	302	302	302	336	336	336	370	370	370
	10'-6"	215	215	215	246	246	246	278	278	278	310	310	310	341	341	341
	11'-0"	199	199	199	228	228	228	257	257	257	287	287	287	316	316	316
	11'-6"	185	185	185	212	212	212	239	239	239	266	266	266	293	293	293
	12'-0"	167	167	167	197	197	197	223	223	223	248	248	248	274	274	274
0.048	10'-6"	237	237	237	272	272	272	307	307	307	342	342	342	377	377	377
	11'-0"	217	217	217	249	249	249	281	281	281	313	313	313	346	346	346
	11'-6"	200	200	200	229	229	229	259	259	259	289	289	289	318	318	318
	12'-0"	185	185	185	212	212	212	239	239	239	267	267	267	294	294	294
	12'-6"	171	171	171	197	197	197	222	222	222	247	247	247	273	273	273
	13'-0"	160	160	160	183	183	183	207	207	207	230	230	230	254	254	254
	13'-6"	149	149	149	171	171	171	193	193	193	215	215	215	237	237	237
	14'-0"	139	139	139	160	160	160	180	180	180	201	201	201	222	222	222
	14'-6"	131	131	131	150	150	150	169	169	169	189	189	189	208	208	208
0.060	11'-0"	217	217	217	249	249	249	281	281	281	313	313	313	346	346	346
	11'-6"	200	200	200	229	229	229	259	259	259	289	289	289	318	318	318
	12'-0"	185	185	185	212	212	212	239	239	239	267	267	267	294	294	294
	12'-6"	171	171	171	197	197	197	222	222	222	247	247	247	273	273	273
	13'-0"	160	160	160	183	183	183	207	207	207	230	230	230	254	254	254
	13'-6"	149	149	149	171	171	171	193	193	193	215	215	215	237	237	237
	14'-0"	139	139	139	160	160	160	180	180	180	201	201	201	222	222	222
	14'-6"	131	131	131	150	150	150	169	169	169	189	189	189	208	208	208
	15'-0"	123	123	123	141	141	141	159	159	159	177	177	177	195	195	195
15'-6"	113	113	113	133	133	133	150	150	150	167	167	167	184	184	184	

Notes: 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 - For G90 deck material, contact Agway Metals for composite load tables.
 6 - 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.