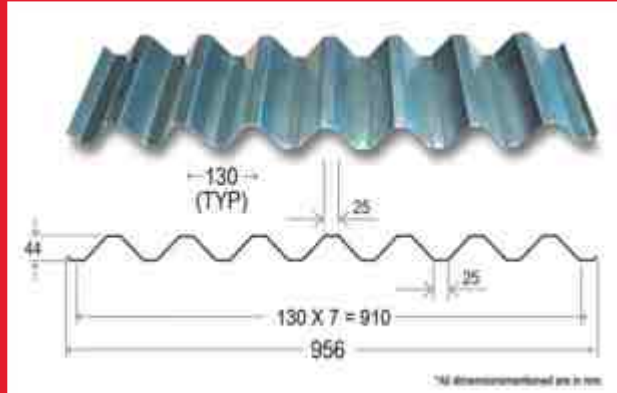


# Decking sheets Trepodeck Sheets

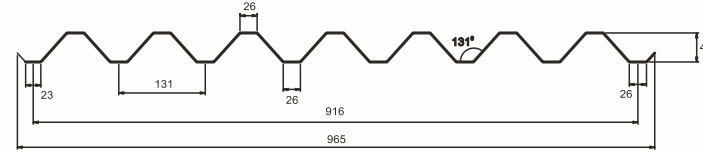
## Decking Sheets

### ALLOWABLE LOADS IN kg/m<sup>2</sup>

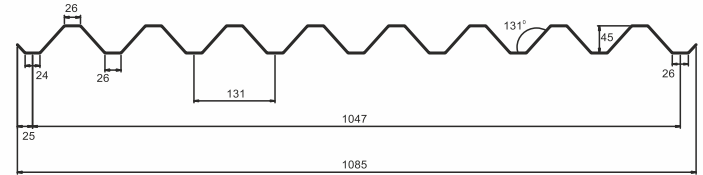


Sl. NO.	Thickness mm	SPAN IN METRES											Wt./Mtr. 965 wide sheet	Length of 1085 in Kg.
		1.00	1.20	1.40	1.50	1.60	1.70	2.00	2.50	3.00	3.50	4.00		
1	0.63	1205	840	620	541	477	423	309	201	143	108	85	6.18	7.22
2	0.80	1527	1064	784	584	603	535	389	253	179	134	105	7.97	8.91
3	1.00	1908	1327	976	853	751	666	484	313	221	165	129	10.10	11.14
4	1.25	2381	1676	1220	1064	936	830	603	389	273	204	158	11.97	13.59
5	1.60	3045	2117	1558	1358	1195	1060	769	496	347	258	200	16.10	17.83
6	2.00	3804	2645	1946	1696	1492	1323	948	617	432	320	247	20.10	22.29

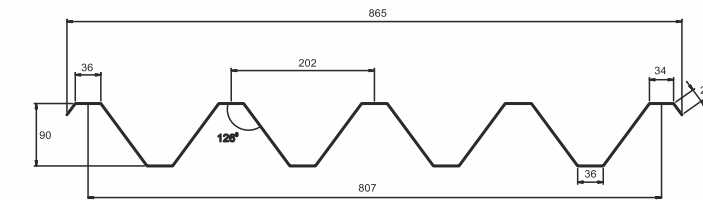
[45 x 131 x 965]



[45 x 131 x 1085]

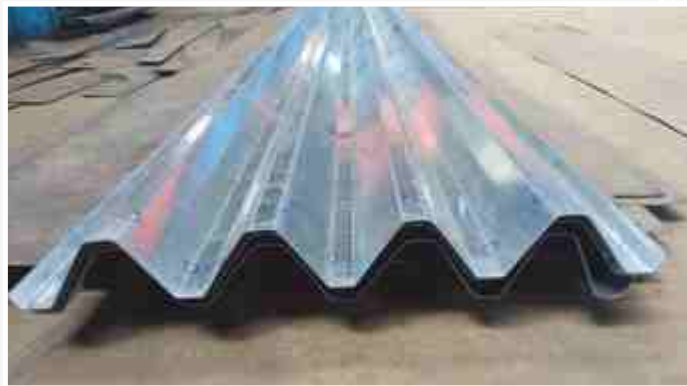


[90 x 202 x 865]



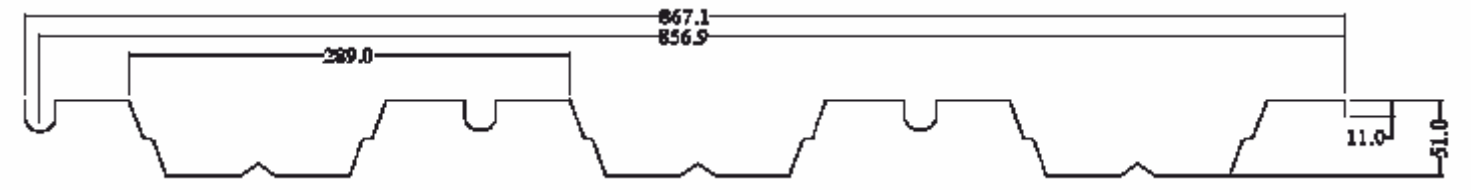
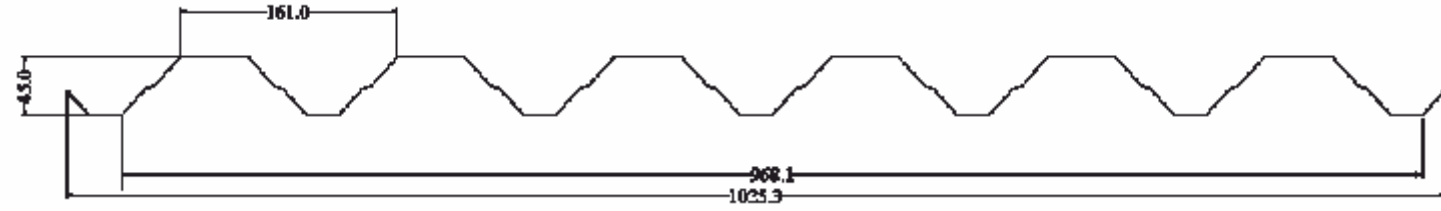
### GEOMETRIC PROPERTIES

Sl. No.	Thickness mm	Material Grade (FY in MPA)	Wt./Mtr. Lt. of 865 wide Sheet (in Kg.)
1	0.5	250	4.98
2	0.63	250	6.28
3	0.8	250	7.97
4	1.0	250	9.96
5	1.22	250	12.16
6	1.6	250	15.95
7	2.0	250	19.93



# Decking Sheets

# Decking Sheets



## PHYSICAL PROPERTIES

Type	Nominal Thickness mm (in.)	Design Thickness mm (in.)	Overall Depth mm (in.)	Weight Kg/m2 (lb/ft2)	Section Modules		Moment of Inertia for Deflection mm4 (in4)
					M+ mm3 (in3)	M- mm3 (in3)	
22	0.8 (0.030)	0.8 (0.0300)	4.5 (1.77)	8.50 (1.74)	10030 (0.182)	10 611 (0.183)	202 750 (0.1481)
20	1 (0.036)	1 (0.0358)	4.5 (1.77)	10.07 (2.06)	12701 (0.246)	13 192 (0.254)	254 750 (0.254)
18	1.2 (0.048)	1.2 (0.0479)	4.5 (1.77)	13.26 (2.72)	15 682 (0.31)	15 861 (0.313)	363 493 (0.2662)
16	1.6 (0.060)	1.6 (0.0595)	4.5 (1.77)	16.34 (3.35)	20827 (0.38)	20 827 (0.38)	452 472 (0.3313)

Effective properties are based on a unit width of 1 000 mm (s.l.units) or 12 in. (imperial units).

Type	Nominal Thickness mm (in.)	Design Thickness mm (in.)	Overall Depth mm (in.)	Weight Kg/m2 (lb/ft2)	Section Modules		Moment for Inertia mm4 (in4)	Steel Area mm2 (in2)	Center of Gravity mm (in.)
					M+ mm3 (in3)	M- mm3 (in3)			
22	0.8 (0.030)	0.8 (0.0300)	51 (2.00)	8.50 (1.74)	15 350 (0.2855)	15 350 (0.2855)	430 932 (0.3156)	1 016 (0.480)	25.40 (1.00)
20	1 (0.036)	1 (0.0358)	51 (2.01)	10.07 (2.06)	19 473 (0.3622)	19 473 (0.3622)	532 353 (0.3898)	1 212 (0.573)	25.47 (1.00)
18	1.2 (0.048)	1.2 (0.0479)	51 (2.02)	13.26 (2.72)	27 996 (0.5207)	27 996 (0.5207)	717 655 (0.5255)	1 622 (0.766)	25.63 (1.01)

Effective properties are based on a unit width of 1 000mm (S.I.units) or 12in. (imperial units).

## FACTORED AND SERVICE LOADS TABLE (kgs)

Type	Nominal Thickness mm	SPAN (mm)									
		1200	1350	1500	1650	1800	1950	2100	2250	2400	
<b>SINGLE SPAN</b>											
22	0.8mm	F	1090	865	703	583	4916				
		D	775	544	396	297	229				
20	1mm	F	1321	1049	853	706	595	508			
		D	977	686	499	375	289	227			
18	1.2mm	F	1805	1434	1166	967	814	695	600	523	
		D	1393	979	714	536	413	324	260	260	
16	1.6mm	F	2258	1794	1459	1209	1019	870	750	654	574
		D	1735	1218	888	667	514	404	323	263	217

Loads in rows marked "F" are the maximum factored loads controlled by the bending capacity and those in rows marked "D" are the uniform service loads that produced a deflection of L/240/

## FACTORED RESISTENCE TABLE OF COMPOSITE SLAB (kgs)

Slab Thick (mm)	Deck Thick (mm)	Max. Single (mm)	Unshored Double (mm)	Span Triple (mm)	Self Weight (kg/m2)	Comp Mom of Inertia (106 mm4)	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	3150	3300
100	0.8	2280	2460	2530	187	5.718	2045	1921	1637	1418	1244	1101	984	885	802	731	670	617	570
	1.0	2670	2920	3015	188	6.080	2045	2045	2045	1774	1555	1377	1229	1105	1001	911	835	769	710
	1.2	3415	3485	3575	191	6.772	2045	2045	2045	2045	1864	1649	1472	1323	1498	1092	999	920	850

