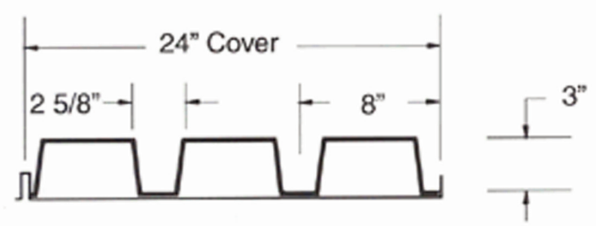
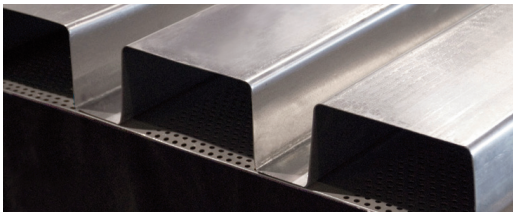
TYPE "N-CELLULAR" *(LONG SPAN)*





Helpful Hint: Type "N" cellular deck is utilized in exposed ceiling areas where a flat bottom deck is desired for aesthetic purposes and the spans and loads exceed the capability of type "B" cellular.

Section Properties (Fy=33 ksi)

Gage Top/Bot	Weight (psf) Galv	Ip(In^4)	In(In^4)	Sp(In^3)	Sn(In^3)
20/20	4.53	1.458	1.281	0.599	0.712
20/18	5.02	1.577	1.508	0.599	0.858
18/20	5.02	1.977	1.626	0.879	0.878
18/18	5.48	2.128	1.874	0.901	1.037
18/16	6.03	2.281	2.296	0.908	1.277
16/18	6.55	2.739	2.228	1.242	1.218

- Section properties calculated in accordance with AISI specifications

Acoustical Data

Absorption Coefficients						NRC
125	250	500	1000	2000	4000	
.46	.55	.97	.94	.74	.60	.80

Gage	Span Cond	Uniform Total Load in Pounds Per Square Foot (Dead and LIve)									
		10'-0"	10'-6"	11'-0"	11'-6"	12'-0"	12'-6"	13'-0"	13'-6"	14'-0"	14'-6"
20/20	One	78	71	65	58	57	50	45	42	39	37
20/18		78	71	65	58	57	51	45	42	39	38
18/20		115	105	95	87	80	73	67	61	56	51
18/18		120	108	98	89	82	75	70	64	60	56
18/16		121	107	99	91	83	77	71	65	61	57
16/18		164	148	135	123	112	102	91	81	74	68
20/20	Two	91	84	77	70	64	58	55	51	47	44
20/18		110	101	92	84	76	71	65	61	57	52
18/20		115	105	95	86	79	73	67	62	60	55
18/18		135	122	111	101	93	88	79	75	70	64
18/16		166	151	136	125	115	106	98	92	85	78
16/18		160	145	131	122	111	102	93	88	80	75
20/20	Three or More	117	103	95	88	79	74	68	64	59	55
20/18		138	125	113	105	96	89	83	76	71	66
18/20		141	131	118	108	100	91	85	79	72	68
18/18		168	152	141	129	118	107	99	92	86	81
18/16		205	188	171	158	144	132	124	113	107	100
16/18		197	180	165	151	138	128	118	109	101	95

Notes: 1. Load tables are calculated using section properties based on the steel design thickness shown in the Steel Deck Institute (SDI) design manual.
2. Loads shown in the shaded areas are governed by the live load deflection not in excess of 1/240 of the span. A dead load of 10 psf has been included.

DACS inc.
900 Port Centre Parkway, Portsmouth, VA 23704
Toll-Free: **866.286.6215** | Fax: 757.393.9461 | dacsinc.com
STEEL DECK INSTITUTE sdi member