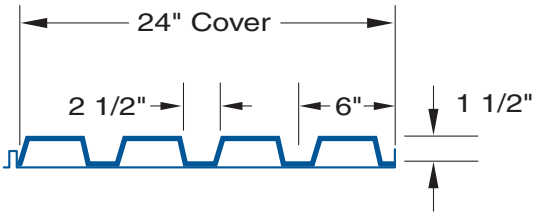
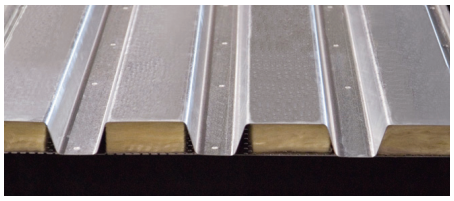
TYPE "B-CELLULAR" *(WIDE RIB)*





Type "B-Cellular"
Acoustical Type Shown

Helpful Hint: Type "B" cellular deck is mainly utilized in exposed ceiling areas where a flat bottom deck is desired for aesthetic purposes.

Section Properties (Fy=33 ksi)

Gage Top/Bot	Weight (psf) Galv	Ip(In4)	In(In4)	Sp(In3)	Sn(In3)
20/20	3.53	0.838	0.301	0.301	0.311
20/18	4.02	0.408	0.378	0.308	0.392
18/20	4.48	0.518	0.378	0.451	0.401
18/18	5.11	0.554	0.451	0.458	0.471
18/16	5.58	0.602	0.645	0.471	0.548
16/18	5.58	0.708	0.538	0.642	0.561

- Section properties calculated in accordance with AISI specifications

Gage	Span Cond	Uniform Total Load in Pounds Per Square Foot (Dead and LIve)									
		6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	10'-6"
20/20	One	108	93	80	66	57	48	41	37	32	29
20/18		113	96	81	71	60	51	44	38	34	31
18/20		165	131	108	89	74	63	54	48	41	36
18/18		168	141	115	94	80	68	59	50	45	40
18/16		170	146	122	101	85	71	61	54	46	41
16/18		224	177	143	118	99	82	71	60	54	47
20/20	Two	111	95	80	70	61	55	49	42	38	34
20/18		138	118	101	89	77	68	60	55	48	44
18/20		144	121	104	90	80	70	62	56	50	45
18/18		167	141	122	107	94	83	74	67	60	54
18/16		195	168	141	125	111	98	86	77	69	66
16/18		200	170	148	128	112	101	89	79	70	67
20/20	Three or More	138	117	101	87	77	69	60	55	48	45
20/18		171	147	126	110	96	85	79	69	60	51
18/20		178	151	131	114	100	89	78	71	64	58
18/18		208	177	152	133	117	104	93	84	74	67
18/16		240	205	178	152	137	119	110	94	82	71
16/16		250	213	182	161	140	125	111	100	90	83

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