

NX44 Loading charts

Metric Loading Charts

Span		UDL		CPL		1/3 Point load		1/4 Point load		1/5 Point load	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm	
2	875	0,7	1751	1,1	875	1	583	0,9	438	0,9	
3	581	2,4	1693*	3,8	872	3,3	581	3,1	436	2,9	
4	434	5,8	1368*	7,2	869	7,8	579	7,3	434	6,9	
6	287	19,5	980*	17,7	685*	21	528*	22,6	422*	23	
8	203	44	757*	33,1	537*	39,7	395*	40,7	322*	42,2	
10	127	68,9	600*	52,8	441*	65	313*	64,4	255*	66,8	
12	86	99,4	493*	77,5	366*	95,8	255*	93,1	210*	97,4	
14	61	135,7	415*	107,7	311*	133,5	214*	128,5	177*	134,3	
16	45	177,9	355*	143,7	266*	176,6	181*	168,8	149*	176	

Imperial Loading Charts

Span		UDL		CPL		1/3 Point load		1/4Point load		1/5 Point load	
ft	lbs/ft	in	lbs	in	lbs (2x)	in	lbs (3x)	in	lbs (4x)	in	
6.6	588.0	0.0	3860.3	0.0	1929.0	0.0	1285.3	0.0	965.6	0.0	
9.8	390.4	0.1	3732.4	0.1	1922.4	0.1	1280.9	0.1	961.2	0.1	
13.1	291.6	0.2	3015.9	0.3	1915.8	0.3	1276.5	0.3	956.8	0.3	
19.7	192.9	0.8	2160.5	0.7	1510.2	0.8	1164.0	0.9	930.4	0.9	
26.2	136.4	1.7	1668.9	1.3	1183.9	1.6	870.8	1.6	709.9	1.7	
32.8	85.3	2.7	1322.8	2.1	972.2	2.6	690.0	2.5	562.2	2.6	
39.4	57.8	3.9	1086.9	3.1	806.9	3.8	562.2	3.7	463.0	3.8	
45.9	41.0	5.3	914.9	4.2	685.6	5.3	471.8	5.1	390.2	5.3	
52.5	30.2	7.0	782.6	5.7	586.4	7.0	399.0	6.6	328.5	6.9	

- High values of distributed loads are idealized. Loads must be applied to node points!
- Full loading tables are available on request.

** limited by interaction of shear and moment at the connection
Displacement connection is decisive!*