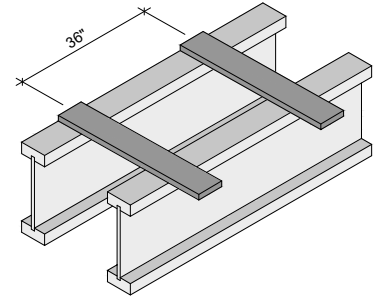


Maximum Ceiling Spans

This table represents the maximum simple spans of Nordic I-joists used as ceiling joists.



Design Criteria

Spans:	Simple span
Loads:	Live load (see below) and dead load = 10 psf
Deflection limit:	L/240 under total load and L/360 under live load

Maximum Ceiling Spans

Joist depth	Joist series	Live load = 20 psf On centre spacing				Live load = 40 psf On centre spacing			
		12"	16"	19.2"	24"	12"	16"	19.2"	24"
9-1/2"	NI-20	21'-8"	19'-8"	18'-5"	17'-1"	17'-1"	15'-5"	14'-6"	13'-1"
	NI-40x	24'-10"	22'-6"	21'-1"	19'-2"	19'-6"	17'-8"	16'-5"	14'-8"
	NI-60	25'-4"	22'-11"	21'-6"	19'-11"	19'-11"	18'-0"	16'-10"	15'-7"
	NI-80	28'-4"	25'-7"	24'-1"	22'-3"	22'-3"	20'-1"	18'-10"	17'-5"
11-7/8"	NI-20	26'-2"	23'-8"	21'-10"	19'-6"	20'-7"	18'-3"	16'-8"	14'-11"
	NI-40x	29'-8"	26'-9"	24'-5"	21'-10"	23'-4"	20'-6"	18'-8"	16'-8"
	NI-60	30'-4"	27'-6"	25'-9"	23'-10"	23'-10"	21'-7"	20'-3"	18'-8"
	NI-80	33'-9"	30'-7"	28'-8"	26'-6"	26'-6"	24'-0"	22'-6"	20'-9"
	NI-90	34'-10"	31'-6"	29'-7"	27'-4"	27'-4"	24'-9"	23'-2"	21'-5"
14"	NI-40x	33'-8"	29'-5"	26'-10"	24'-0"	26'-0"	22'-6"	20'-6"	18'-4"
	NI-60	34'-7"	31'-4"	29'-5"	27'-2"	27'-2"	24'-7"	23'-1"	21'-0"
	NI-80	38'-4"	34'-9"	32'-8"	30'-2"	30'-2"	27'-4"	25'-7"	23'-8"
	NI-90	39'-6"	35'-9"	33'-7"	31'-1"	31'-1"	28'-1"	26'-4"	24'-4"
16"	NI-60	38'-5"	34'-9"	32'-8"	29'-8"	30'-3"	27'-4"	25'-4"	22'-8"
	NI-80	42'-7"	38'-7"	36'-2"	33'-6"	33'-6"	30'-4"	28'-5"	26'-3"
	NI-90	43'-9"	39'-8"	37'-2"	34'-5"	34'-5"	31'-2"	29'-2"	27'-0"

Notes:

1. The tabulated clear spans are applicable to residential ceiling construction meeting the above design criteria, assuming no additional thrust load is applied to the joist.
2. The maximum spans are based on CSA O86-14 and NBC 2015, without considering floor vibrations.
3. Minimum bearing length shall be 1-3/4 inch.
4. Bearing stiffeners are not required when I-joists are used in accordance with this table, except as required for hangers.
5. The top flange shall be braced at minimum 36 inches on centre.