

LOAD TABLE

FOR SPANS OF WESTERN CEDARS BEAMS AND HEADERS

SPECIES	SIZE	GRADE	SPAN (FEET)							
			6	8	10	12	14	16	18	20
			TOTAL LOAD (POUNDS PER LINEAL FOOT)							
WESTERN CEDAR	2x6	No.2	127	60	31	18	11	---	---	---
WESTERN CEDAR	2x8	No.2	204	115	71	41	26	17	12	---
WESTERN CEDAR	2x10	No.2	305	172	110	76	53	36	25	18
WESTERN CEDAR	2x12	No.2	410	231	148	103	75	58	45	33
WESTERN CEDAR	2-2x6	No.2	255	120	62	36	22	15	11	---
WESTERN CEDAR	2-2x8	No.2	409	230	141	82	51	34	24	18
WESTERN CEDAR	2-2x10	No.2	610	343	220	153	107	72	50	37
WESTERN CEDAR	2-2x12	No.2	820	461	295	205	151	115	90	66
WESTERN CEDAR	4x4	No.2	86	36	19	---	---	---	---	---
WESTERN CEDAR	4x6	No.2	297	140	72	42	26	18	---	---
WESTERN CEDAR	4x8	No.2	517	291	165	95	60	40	28	21
WESTERN CEDAR	4x10	No.2	776	437	280	194	125	83	59	43
WESTERN CEDAR	4x12	No.2	1053	592	379	263	193	148	105	77
WESTERN CEDAR	6x6	No.2	282	159	90	52	33	22	---	---
WESTERN CEDAR	6x8	No.2	491	276	177	120	75	51	35	26
WESTERN CEDAR	6x10	No.2	908	511	327	227	157	105	74	54
WESTERN CEDAR	6x12	No.2	1343	755	483	336	247	189	133	97
WESTERN CEDAR	8x8	No.2	647	364	233	158	99	67	47	34
WESTERN CEDAR	8x10	No.2	1053	592	379	263	193	138	97	71
WESTERN CEDAR	8x12	No.2	1770	996	637	443	325	249	175	127

Notes: 1. Load in Pounds per Lineal Foot of Total Load (Live + Dead Loads). 2. Western Cedars is a species group of any combination of Incense, Western Red, Alaska and Port Orford Cedar. 3. Standard surfaced dry size. 4. No.2 grade of structural dimension lumber and structural timber, reference WWPA Western Lumber Grading Rules 2021 Sections 42.12, 62.12, 70.12, and 80.12 5. Load Deflection Limit of Span/360, Load Duration Factor of 1.00. 6. For Dry use condition.

RAFTER SPANS IN FOOT-INCH 30# SNOW LOAD 10# DEAD LOAD L/240

DESIGN CRITERIA: **Strength** - 30 lbs. per sq. ft. snow load, plus 10 lbs. per sq. ft. dead load
Deflection - Limited in span in inches divided by 240 for live load only.

SPECIES	SIZE	GRADE	RAFTER SPACING			
			12" OC	16" OC	19.2" OC	24" OC
WESTERN CEDAR	2x6	No.2	11 - 7	10 - 6	9 - 9	8 - 9
WESTERN CEDAR	2x8	No.2	15 - 3	13 - 6	12 - 4	11 - 0
WESTERN CEDAR	2x10	No.2	19 - 1	16 - 6	15 - 1	13 - 6
WESTERN CEDAR	2x12	No.2	22 - 1	19 - 2	17 - 6	15 - 7

Notes:

1. Load in Pounds per Square Foot
2. Western Cedars is a species group of any combination of Incense, Western Red, Alaska and Port Orford Cedar
3. Standard surfaced dry size.
4. No.2 grade of structural dimension lumber, reference WWPA Western Lumber Grading Rules 2021 Section 62.12
5. Load Deflection Limit of Span/240, Load Duration Factor of 1.15
6. For Dry use condition.



realcedar.com | 1.866.778.9096