

VULCRAFT LOAD TABLE / OPEN WEB STEEL JOISTS, VH SERIES JOISTS

JOIST TYPE	18VH4	18VH6	20VH4	20VH7	22VH5	22VH8	24VH8	26VH7
OVERALL DEPTH (inches)	18	18	20	20	22	22	24	26
RESISTING MOM. (inch-kips)	244	383	272	499	404	653	716	638
MAX. END. REAC. (pounds)	3400	5600	3500	6500	4800	7500	7800	5600
MOM. OF INERTIA (inches ⁴)	78.8	119.8	98.0	171.7	146.6	247.6	297.3	305.3
JOIST WT./FT (pounds/ft.)	6.6	9.3	7.0	10.8	8.5	12.3	12.9	11.9
SPAN (ft.)								
18	378	622						
19	358	589						
20	340	560	350	650				
21	324	533	333	619				
22	318 309 276	509 420	318	591	436	650		
23	296 242	483 368	304	565	417	650		
24	282 213	443 324	292	542	400 396	625	650	
25	260 188	409 286	280 234	520 411	384 351	600	624	
26	241 167	378 255	268 208	492 365	369 312	577	600	431
27	223 150	350 227	249 186	456 326	356 278	556	578	415
28	207 134	326 204	231 167	424 292	343 249	536	557	400
29	193 121	304 184	216 150	396 263	320 225	517 379	538	386
30	181 109	284 166	201 136	370 238	299 203	484 343	520	373
31	169 99	266 150	189 123	346 215	280 184	453 311	497 373	361
32	159 90	249 137	177 112	325 196	263 167	425 282	466 339	350
33	149 82	234 125	167 102	305 178	247 152	400 257	438 309	348
34	141 75	221 114	157 93	288 163	233 139	377 235	413 283	339
35	133 69	208 104	148 85	272 150	220 128	355 216	390 259	317
36	126 63	197 96	140 78	257 137	208 117	336 198	368 238	329
37				243 127	197 108	318 183	349 219	311
38				230 117	187 100	301 169	331 202	244
39				219 108	177 92	286 156	314 187	208
40				208 100	168 86	272 145	298 174	280
41					160 79	259 134	284 161	266
42					153 74	247 125	271 150	244
43					146 69	235 116	258 140	241
44					139 64	225 109	247 130	230
45							236 122	230
46							226 114	220
47							216 107	210
48							207 100	201
49								185
50								103
51								
52								

† Approximate weights per linear foot of steel joists only. Accessories and nailer strip not included.

** Section 5.9 of the "Standard Specifications for Open Web Steel Joists, H Series" limits the design LIVE load deflection as follows: FLOORS 1/360 of span where a plaster ceiling is attached or suspended; 1/240 of span for all other purposes.

LOADS ABOVE COLORED LINES ARE GOVERNED BY SHEAR.