

Příklad 19: Vzpěr členěného prutu s rámovým spojením

Zadání										
N	profil	ocel	L_{cr} [mm]	a [mm]	h_{spojka} [mm]	b_{spojka} [mm]	t_{spojka} [mm]	N_{Ed} [kN]	M^1_{Ed} [kNm]	
1	L 50x50x5	S235	990	330	35	30	10	170	0	
2	L 60x60x5	S275	1100	367	40	40	12	250	0	
3	L 70x70x8	S355	1590	530	45	50	14	450	0	
4	L 80x80x10	S420	2050	683	50	30	10	590	0	
5	L 90x90x10	S460	2260	753	35	40	12	720	0	
6	L 100x100x10	S235	2830	943	40	50	14	540	0	
7	L 50x50x5	S275	1050	350	45	30	10	190	0	
8	L 60x60x5	S355	1160	387	50	40	12	290	0	
9	L 70x70x8	S420	1650	550	35	50	14	470	0	
10	L 80x80x10	S460	2110	703	40	30	10	580	0	
11	L 90x90x10	S235	2320	773	45	40	12	520	0	
12	L 100x100x12	S275	2890	963	50	50	14	660	0	
13	L 50x50x5	S355	1110	370	35	30	10	210	0	
14	L 60x60x5	S420	1220	407	40	40	12	300	0	
15	L 70x70x8	S460	1710	570	45	50	14	460	0	
16	L 80x80x10	S235	2170	543	50	30	10	440	0	
17	L 90x90x10	S275	2380	595	35	40	12	550	0	
18	L 100x100x12	S355	2950	738	40	50	14	700	0	
19	L 50x50x5	S420	1170	293	45	30	10	210	0	
20	L 60x60x5	S460	1280	320	50	40	12	300	0	
21	L 70x70x8	S235	1770	443	35	50	14	330	0	
22	L 80x80x10	S275	2230	558	40	30	10	460	0	
23	L 90x90x10	S355	2440	610	45	40	12	590	0	
24	L 100x100x10	S420	3010	753	50	50	14	600	0	
25	L 50x50x5	S460	1230	308	35	30	10	200	0	
26	L 60x60x5	S235	1340	335	40	40	12	200	0	
27	L 70x70x8	S275	1830	458	45	50	14	340	0	
28	L 80x80x10	S355	2290	573	50	30	10	480	0	
29	L 90x90x10	S420	2500	625	35	40	12	600	0	
30	L 100x100x12	S460	3070	768	40	50	14	700	0	

