

UNP

Profile U cu margini rotunjite

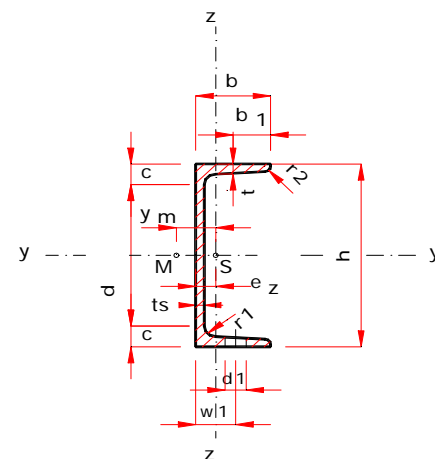
lamine la cald, conf. DIN 1026, ed. octombrie 1963

Panta interioara a talpii 8% pentru profilele cu $h \leq 300$

5% pentru profilele cu $h > 300$

$b_1 = b/2$ pentru $h < 300$

$b_1 = (b-t_s)/2$ pentru $h > 300$



Denumire Tip	Dimensiuni						A cm ²	G kg/m	Caracteristici sectionale						e _z cm	y _M cm	s _y cm	Gaurire conf. DIN 997 ed. oct. 1970	
	h	b	t _s	t _g = r ₁	r ₂	h-2c			y-y			z-z						d ₁ mm	w ₁ mm
									I _y cm ⁴	W _y cm ³	i _y cm	I _z cm ⁴	W _z cm ³	i _z cm					
80	80	45	6.0	8.0	4.00	47	11.0	8.64	106	26.5	3.10	19.4	6.36	1.33	1.45	2.67	6.65	13	25
100	100	50	6.0	8.5	4.50	64	13.5	10.60	206	41.2	3.91	29.3	8.49	1.47	1.55	2.93	8.42	13	30
120	120	55	7.0	9.0	4.50	82	17.0	13.40	364	60.7	4.62	43.2	11.10	1.59	1.60	3.03	10.00	17/13	30
140	140	60	7.0	10.0	5.00	97	20.4	16.00	605	86.4	5.45	52.7	14.80	1.75	1.75	3.37	11.80	17	35
160	160	65	7.5	10.5	5.50	116	24.0	18.80	925	116.0	6.21	85.3	18.30	1.89	1.84	3.56	13.30	21/17	35
180	180	70	8.0	11.0	5.50	133	28.0	22.00	1350	150.0	6.95	114.0	22.40	2.02	1.92	3.75	15.10	21	40
200	200	75	8.5	11.5	6.00	151	32.2	25.30	1910	191.0	7.70	148.0	27.00	2.14	2.01	3.94	16.80	23/21	40
220	220	80	9.0	12.5	6.50	166	37.4	29.40	2690	245.0	8.48	197.0	33.60	2.30	2.14	4.20	18.50	23	45
240	240	85	9.5	13.0	6.50	185	42.3	33.20	3600	300.0	9.22	248.0	39.60	2.42	2.23	4.39	20.10	25/23	45
260	260	90	10.0	14.0	7.00	201	48.3	37.90	4820	371.0	9.99	317.0	47.70	2.56	2.36	4.66	21.80	25	50
280	280	95	10.0	15.0	7.50	216	53.3	41.80	6280	448.0	10.90	399.0	57.20	2.74	2.53	5.02	23.60	25	50
300	300	100	10.0	16.0	8.00	232	58.8	46.20	8030	535.0	11.70	495.0	67.80	2.90	2.70	5.41	25.40	28	55
320	320	100	14.0	17.5	8.75	247	75.8	59.50	10870	679.0	12.10	597.0	80.60	2.81	2.60	4.82	26.30	28	58
350	350	100	14.0	16.0	8.00	283	77.3	60.60	12840	734.0	12.90	570.0	75.00	2.72	2.40	4.45	28.60	28	58
380	380	102	13.5	16.0	8.00	313	80.4	63.10	15760	829.0	14.00	615.0	78.70	2.77	2.38	4.58	31.10	28	60
400	400	110	14.0	18.0	9.00	325	91.5	71.80	20350	1020.0	14.90	846.0	102.00	3.04	2.65	5.11	32.90	28	60

Valori de calcul - Profile UNP

Denumire	$W_{pl,y}$	$M_{pl,y}$	N_{pl}	$Q_{pl,z} = V_{pl,z}$	$W_{pl,z}$	S_y	I_T	$C = I_w$	Denumire
Tip	cm^3	kNm	kN	kN	cm^3	cm^3	cm^4	cm^6	Tip
80	29.0	7.11	264	59.9	12.0	15.9	2.24	168	80
100	45.2	10.90	322	76.1	16.1	24.4	2.91	413	100
120	66.3	15.90	407	108.0	21.2	36.3	4.28	899	120
140	93.9	22.50	488	126.0	28.2	51.3	5.87	1800	140
160	125.0	30.00	576	155.0	35.0	68.7	7.62	3260	160
180	162.0	38.90	670	187.0	42.9	89.4	9.73	5567	180
200	205.0	49.20	772	222.0	51.7	114.0	12.30	9065	200
220	262.0	62.90	898	259.0	64.2	146.0	16.50	14580	220
240	320.0	76.90	1014	299.0	75.7	179.0	20.20	22070	240
260	396.0	95.10	1158	341.0	91.6	221.0	26.30	33260	260
280	478.0	115.00	1281	367.0	110.0	266.0	32.00	48460	280
300	571.0	137.00	1409	394.0	130.0	316.0	38.70	68970	300
320	730.0	175.00	1818	587.0	152.0	412.0	68.50	95690	320
350	781.0	188.00	1853	648.0	142.0	449.0	62.40	113200	350
380	879.0	211.00	1928	681.0	149.0	507.0	61.80	145600	380
400	1081.0	259.00	2195	741.0	192.0	518.0	83.00	220300	400

Nota

Setul de date a fost colationat cu cea mai mare atentie. Pentru eventuale erori de redactare nu preluam nici o raspundere.

Sursa: Stahlbau-Profile, ed. a 22-a, Verlag Stahleisen GmbH, 1999

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