

PRŮŘEZOVÉ CHARAKTERISTIKY STANDARDNÍCH SYMETRICKÝCH PROFILŮ

Výška stojiny $h_w = 333$ [mm]																
Pásnice $b_f \times t_f$ [mm]	Výška prof. [mm]	Hmotnost profilu [kg/m]						Plocha povrch [m ² /m]	A_f x10 ³ [mm ²]	I_y x10 ⁶ [mm ⁴]	I_z x10 ⁶ [mm ⁴]	I_ω x10 ¹² [mm ⁶]	i_y [mm]	i_z [mm]	W_y x10 ⁶ [mm ³]	$W_{z,el}$ x10 ⁶ [mm ³]
		WTA	WTB	WTC	WTD	WTE	WTF									
160 x 8	349	26.4	27.9	29.5	32.6	35.8	38.9	1.47	2.56	74.4	5.5	0.16	170.5	46.2	0.436	0.034
180 x 8	349	28.9	30.5	32.0	35.2	38.3	41.4	1.55	2.88	83.7	7.8	0.23	170.5	52.0	0.491	0.043
200 x 8	349	31.4	33.0	34.5	37.7	40.8	43.9	1.63	3.20	93.0	10.7	0.31	170.5	57.7	0.546	0.053
200 x 10	353	37.7	39.2	40.8	43.9	47.1	50.2	1.64	4.00	117.6	13.3	0.39	171.5	57.7	0.686	0.067
220 x 10	353	40.8	42.4	44.0	47.1	50.2	53.4	1.72	4.40	129.4	17.7	0.52	171.5	63.5	0.755	0.081
250 x 10	353	45.5	47.1	48.7	51.8	54.9	58.1	1.84	5.00	147.1	26.0	0.77	171.5	72.2	0.858	0.104
200 x 12	357	44.0	45.5	47.1	50.2	53.4	56.5	1.65	4.80	142.8	16.0	0.48	172.5	57.7	0.828	0.080
220 x 12	357	47.7	49.3	50.9	54.0	57.1	60.3	1.73	5.28	157.1	21.3	0.63	172.5	63.5	0.911	0.097
250 x 12	357	53.4	54.9	56.5	59.6	62.8	65.9	1.85	6.00	178.5	31.3	0.93	172.5	72.2	1.035	0.125
300 x 12	357	62.8	64.4	65.9	69.1	72.2	75.3	2.05	7.20	214.2	54.0	1.61	172.5	86.6	1.242	0.180
220 x 15	363	58.1	59.7	61.2	64.4	67.5	70.6	1.74	6.60	199.8	26.6	0.81	174.0	63.5	1.148	0.121
250 x 15	363	65.1	66.7	68.3	71.4	74.6	77.7	1.86	7.50	227.1	39.1	1.18	174.0	72.2	1.305	0.156
300 x 15	363	76.9	78.5	80.1	83.2	86.3	89.5	2.06	9.00	272.5	67.5	2.04	174.0	86.6	1.566	0.225
350 x 15	363	88.7	90.3	91.8	95.0	98.1	101.2	2.26	10.50	317.9	107.2	3.25	174.0	101.0	1.827	0.306

Výška stojiny $h_w = 500$ [mm]																
Pásnice $b_f \times t_f$ [mm]	Výška prof. [mm]	Hmotnost profilu [kg/m]						Plocha povrch [m ² /m]	A_f [mm ²]	I_y [mm ⁴]	I_z [mm ⁴]	I_ω [mm ⁶]	i_y [mm]	i_z [mm]	W_y [mm ³]	$W_{z,el}$ [mm ³]
		WTA	WTB	WTC	WTD	WTE	WTF									
200 x 10	520	41.0	43.4	45.8	50.2	55.0	59.7	2.04	4.00	260.1	13.3	0.87	255.0	57.7	1.02	0.067
220 x 10	520	44.1	46.5	48.9	53.4	58.1	62.8	2.12	4.40	286.1	17.7	1.15	255.0	63.5	1.12	0.081
250 x 10	520	48.9	51.3	53.7	58.1	62.8	67.5	2.24	5.00	325.1	26.0	1.69	255.0	72.2	1.28	0.104
200 x 12	524	47.3	49.7	52.1	56.5	61.2	65.9	2.05	4.80	314.6	16.0	1.05	256.0	57.7	1.23	0.080
220 x 12	524	51.0	53.4	55.8	60.3	65.0	69.7	2.13	5.28	346.0	21.3	1.40	256.0	63.5	1.35	0.097
250 x 12	524	56.7	59.1	61.5	65.9	70.7	75.4	2.25	6.00	393.2	31.3	2.05	256.0	72.2	1.54	0.125
300 x 12	524	66.1	68.5	70.9	75.4	80.1	84.8	2.45	7.20	471.9	54.0	3.54	256.0	86.6	1.84	0.180
220 x 15	530	61.4	63.8	66.2	70.7	75.4	80.1	2.14	6.60	437.6	26.6	1.77	257.5	63.5	1.70	0.121
250 x 15	530	68.5	70.9	73.3	77.7	82.4	87.1	2.26	7.50	497.3	39.1	2.59	257.5	72.2	1.93	0.156
300 x 15	530	80.3	82.7	85.1	89.5	94.2	98.9	2.46	9.00	596.8	67.5	4.48	257.5	86.6	2.32	0.225
350 x 15	530	92.0	94.4	96.8	101.3	106.0	110.7	2.66	10.50	696.2	107.2	7.11	257.5	101.0	2.70	0.306
250 x 20	540	88.1	90.5	92.9	97.3	102.1	106.8	2.28	10.00	676.0	52.1	3.52	260.0	72.2	2.60	0.208
300 x 20	540	103.8	106.2	108.6	113.0	117.8	122.5	2.48	12.00	811.2	90.0	6.08	260.0	86.6	3.12	0.300
350 x 20	540	119.5	121.9	124.3	128.7	133.5	138.2	2.68	14.00	946.4	142.9	9.66	260.0	101.0	3.64	0.408
400 x 20	540	135.2	137.6	140.0	144.4	149.2	153.9	2.88	16.00	1081.6	213.3	14.42	260.0	115.5	4.16	0.533

Výška stojiny $h_w = 625$ [mm]																
Pásnice $b_f \times t_f$ [mm]	Výška prof. [mm]	Hmotnost profilu [kg/m]						Plocha povrch [m ² /m]	A_f x10 ³ [mm ²]	I_y x10 ⁶ [mm ⁴]	I_z x10 ⁶ [mm ⁴]	I_ω x10 ¹² [mm ⁶]	i_y [mm]	i_z [mm]	W_y x10 ⁶ [mm ³]	$W_{z,el}$ x10 ⁶ [mm ³]
		WTA	WTB	WTC	WTD	WTE	WTF									
200 x 10	645	43.4	46.4	49.4	55.0	60.8	66.7	2.34	4.00	403.2	13.3	1.34	317.5	57.7	1.27	0.067
220 x 10	645	46.5	49.5	52.5	58.1	64.0	69.9	2.42	4.40	443.5	17.7	1.79	317.5	63.5	1.40	0.081
250 x 10	645	51.3	54.3	57.3	62.8	68.7	74.6	2.54	5.00	504.0	26.0	2.63	317.5	72.2	1.59	0.104
200 x 12	649	49.7	52.7	55.7	61.2	67.1	73.0	2.35	4.80	486.9	16.0	1.62	318.5	57.7	1.53	0.080
220 x 12	649	53.4	56.4	59.4	65.0	70.9	76.8	2.43	5.28	535.6	21.3	2.16	318.5	63.5	1.68	0.097
250 x 12	649	59.1	62.1	65.1	70.7	76.5	82.4	2.55	6.00	608.7	31.3	3.17	318.5	72.2	1.91	0.125
300 x 12	649	68.5	71.5	74.5	80.1	86.0	91.8	2.75	7.20	730.4	54.0	5.48	318.5	86.6	2.29	0.180
220 x 15	655	63.8	66.8	69.8	75.4	81.2	87.1	2.44	6.60	675.8	26.6	2.73	320.0	63.5	2.11	0.121
250 x 15	655	70.9	73.9	76.9	82.4	88.3	94.2	2.56	7.50	768.0	39.1	4.00	320.0	72.2	2.40	0.156
300 x 15	655	82.7	85.7	88.7	94.2	100.1	106.0	2.76	9.00	921.6	67.5	6.91	320.0	86.6	2.88	0.225
350 x 15	655	94.4	97.4	100.4	106.0	111.9	117.8	2.96	10.50	1075.2	107.2	10.98	320.0	101.0	3.36	0.306
250 x 20	665	90.5	93.5	96.5	102.1	107.9	113.8	2.58	10.00	1040.1	52.1	5.42	322.5	72.2	3.23	0.208
300 x 20	665	106.2	109.2	112.2	117.8	123.6	129.5	2.78	12.00	1248.1	90.0	9.36	322.5	86.6	3.87	0.300
350 x 20	665	121.9	124.9	127.9	133.5	139.3	145.2	2.98	14.00	1456.1	142.9	14.86	322.5	101.0	4.52	0.408
400 x 20	665	137.6	140.6	143.6	149.2	155.0	160.9	3.18	16.00	1664.1	213.3	22.19	322.5	115.5	5.16	0.533

Výška stojiny $h_w = 1500$ [mm]																
Pásnice $b_f \times t_f$ [mm]	Výška prof. [mm]	Hmotnost profilu [kg/m]						Plocha povrch [m ² /m]	A_f [mm ²]	I_y [mm ⁴]	I_z [mm ⁴]	I_ω [mm ⁶]	i_y [mm]	i_z [mm]	W_y [mm ³]	W_z [mm ³]
		WTA	WTB	WTC	WTD	WTE	WTF									
200 x 12	1524		73.7	80.9	94.2	108.3	122.5	4.45	4.80	2743	16.0	9.14	756.0	57.7	3.63	0.080
220 x 12	1524		77.4	84.6	98.0	112.1	126.2	4.53	5.28	3018	21.3	12.17	756.0	63.5	3.99	0.097
250 x 12	1524		83.1	90.3	103.6	117.8	131.9	4.65	6.00	3429	31.3	17.86	756.0	72.2	4.54	0.125
300 x 12	1524		92.5	99.7	113.0	127.2	141.3	4.85	7.20	4115	54.0	30.86	756.0	86.6	5.44	0.180
220 x 15	1530		87.8	95.0	108.3	122.5	136.6	4.54	6.60	3787	26.6	15.27	757.5	63.5	5.00	0.121
250 x 15	1530		94.9	102.1	115.4	129.5	143.7	4.66	7.50	4304	39.1	22.41	757.5	72.2	5.68	0.156
300 x 15	1530		106.7	113.9	127.2	141.3	155.4	4.86	9.00	5164	67.5	38.73	757.5	86.6	6.82	0.225
350 x 15	1530		118.4	125.6	138.9	153.1	167.2	5.06	10.50	6025	107.2	61.50	757.5	101.0	7.95	0.306
250 x 20	1540		114.5	121.7	135.0	149.2	163.3	4.68	10.00	5776	52.1	30.08	760.0	72.2	7.60	0.208
300 x 20	1540		130.2	137.4	150.7	164.9	179.0	4.88	12.00	6931	90.0	51.98	760.0	86.6	9.12	0.300
350 x 20	1540		145.9	153.1	166.4	180.6	194.7	5.08	14.00	8086	142.9	82.55	760.0	101.0	10.64	0.408
400 x 20	1540		161.6	168.8	182.1	196.3	210.4	5.28	16.00	9242	213.3	123.2	760.0	115.5	12.16	0.533
300 x 25	1550		153.8	161.0	174.3	188.4	202.5	4.90	15.00	8721	112.5	65.41	762.5	86.6	11.44	0.375
350 x 25	1550		173.4	180.6	193.9	208.0	222.2	5.10	17.50	10175	178.6	103.9	762.5	101.0	13.34	0.510
400 x 25	1550		193.0	200.2	213.5	227.7	241.8	5.30	20.00	11628	266.7	155.0	762.5	115.5	15.25	0.667
450 x 25	1550		212.6	219.8	233.1	247.3	261.4	5.50	22.50	13082	379.7	220.8	762.5	129.9	17.16	0.844
350 x 30	1560		200.9	208.1	221.4	235.5	249.6	5.12	21.00	12290	214.4	125.5	765.0	101.0	16.07	0.613
400 x 30	1560		224.4	231.6	244.9	259.1	273.2	5.32	24.00	14045	320.0	187.3	765.0	115.5	18.36	0.800
450 x 30	1560		248.0	255.2	268.5	282.6	296.7	5.52	27.00	15801	455.6	266.6	765.0	129.9	20.66	1.013

A_f účinná plocha průřezu (plocha pásnic)

I_y, I_z momenty setrvačnosti k osám y, z

I_ω výsečový moment setrvačnosti

i_y, i_z poloměry setrvačnosti k osám y, z

W_y, W_z průřezový modul k osám y, z