

WIDE FLANGE : วัสดุแฟรงค์

TIS STANDARDS TIS 1227 : 1996 (Grade SM400, SM490, SM 520, SS400, SS490 or SS540)

Nominal Size	Weight	Sectional Dimension					Sectional Area	Moment of Inertia			Radius of Gyration		Modulus of Section	
		H	B	t ₁	t ₂	r		I _x	I _y	i _x	i _y	Z _x	Z _y	
mm	kg/m	mm	mm	mm	mm	mm	cm ²	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	
100x50	9.3	100	50	5.0	7	8	11.85	187	14.8	3.98	1.12	37.5	5.91	
150x75	14.0	150	75	5.0	7	8	17.85	666	50	6.1	1.66	89	13	
150x100	21.1	148	100	6.0	9	11	26.84	1,020	151	6.2	2.37	138	30	
200x100	v 18.2	198	99	4.5	7	11	23.18	1,580	114	8.3	2.21	160	23	
	21.3	200	100	5.5	8	11	27.16	1,840	134	8.2	2.22	184	27	
200x150	30.6	194	150	6.0	9	13	39.01	2,690	507	8.3	3.61	277	68	
250x125	v 25.7	248	124	5.0	8	12	32.68	3,540	255	10.4	2.79	285	41	
	29.6	250	125	6.0	9	12	37.66	4,050	294	10.4	2.79	324	47	
250x175	44.1	244	175	7.0	11	16	56.24	6,120	984	10.4	4.18	502	113	
300x150	v 32.0	298	149	5.5	8	13	40.80	6,320	442	12.4	3.29	424	59	
	36.7	300	150	6.5	9	13	46.78	7,210	508	12.4	3.29	481	68	
300x200	56.8	294	200	8.0	12	18	72.38	11,300	1,600	12.5	4.71	771	160	
	* 65.4	298	201	9.0	14	18	83.36	13,300	1,900	12.6	4.77	893	189	
350x175	v 41.4	346	174	6.0	9	14	52.68	11,100	792	14.5	3.88	641	91	
	49.6	350	175	7.0	11	14	63.14	13,600	984	14.7	3.95	775	112	
	* 57.8	354	176	8.0	13	14	73.68	16,100	1,180	14.8	4.01	909	134	
350x250	* 69.2	336	249	8.0	12	20	88.15	18,500	3,090	14.5	5.92	1,100	248	
	79.7	340	250	9.0	14	20	101.50	21,700	3,650	14.6	6.00	1,280	292	
400x200	v 56.6	396	199	7.0	11	16	72.16	20,000	1,450	16.7	4.48	1,010	145	
	66.0	400	200	8.0	13	16	84.12	23,700	1,740	16.8	4.54	1,190	174	
	* 75.5	404	201	9.0	15	16	96.16	27,500	2,030	16.9	4.60	1,360	202	
400x300	* 94.3	386	299	9.0	14	22	120.10	33,700	6,240	16.7	7.21	1,740	418	
	107.0	390	300	10.0	16	22	136.00	38,700	7,210	16.9	7.28	1,980	481	
450x200	* 66.2	446	199	8.0	12	18	84.30	28,700	1,580	18.5	4.33	1,290	159	
	76.0	450	200	9.0	14	18	96.76	33,500	1,870	18.6	4.40	1,490	187	
	* 88.9	456	201	10.0	17	18	113.30	40,400	2,310	18.9	4.51	1,770	230	
450x300	* 106.0	434	299	10.0	15	24	135.00	46,800	6,690	18.6	7.04	2,160	448	
	124.0	440	300	11.0	18	24	157.40	56,100	8,110	18.9	7.18	2,550	541	
	* 145.0	446	302	13.0	21	24	184.30	66,400	9,660	19.0	7.24	2,980	639	
500x200	* 79.5	496	199	9.0	14	20	101.30	41,900	1,840	20.3	4.27	1,690	185	
	89.6	500	200	10.0	16	20	114.20	47,800	2,140	20.5	4.33	1,910	214	
	* 103.0	506	201	11.0	19	20	131.30	56,500	2,580	20.7	4.43	2,230	257	
500x300	* 114.0	482	300	11.0	15	26	145.50	60,400	6,760	20.4	6.82	2,500	451	
	128.0	488	300	11.0	18	26	163.50	71,000	8,110	20.8	7.04	2,910	541	
	* 150.0	494	302	13.0	21	26	191.40	83,800	9,660	20.9	7.10	3,390	640	
600x200	* 94.6	596	199	10.0	15	22	120.50	68,700	1,980	23.9	4.05	2,310	199	
	106.0	600	200	11.0	17	22	134.40	77,600	2,280	24.0	4.12	2,590	228	
	* 120.0	606	201	12.0	20	22	152.50	90,400	2,720	24.3	4.22	2,980	271	
	* 134.0	612	202	13.0	23	22	170.70	103,000	3,180	24.6	4.31	3,380	314	
600x300	* 137.0	582	300	12.0	17	28	174.50	103,000	7,670	24.3	6.63	3,530	511	
	151.0	588	300	12.0	20	28	192.50	118,000	9,020	24.8	6.85	4,020	601	
	* 175.0	594	302	14.0	23	28	222.40	137,000	10,600	24.9	6.90	4,620	701	
700x300	* 166.0	692	300	13.0	20	28	211.50	172,000	9,020	28.6	6.53	4,980	602	
	185.0	700	300	13.0	24	28	235.50	201,000	10,800	29.3	6.78	5,760	722	
800x300	* 191.0	792	300	14.0	22	28	243.40	254,000	9,930	32.3	6.39	6,410	662	
	210.0	800	300	14.0	26	28	267.40	292,000	11,700	33.0	6.62	7,290	782	
900x300	* 213.0	890	299	15.0	23	28	270.90	345,000	10,300	35.7	6.16	7,760	688	
	243.0	900	300	16.0	28	28	309.80	411,000	12,600	36.4	6.39	9,140	843	
	v 286.0	912	302	18.0	34	28	364.00	498,000	15,700	37.0	6.56	10,900	1,040	

Note * Please contact us in advance for these items

μ These sizes can also be used for H-Piles.

v VALUE SERIES

-SM400 is suitable for welded structure.

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