



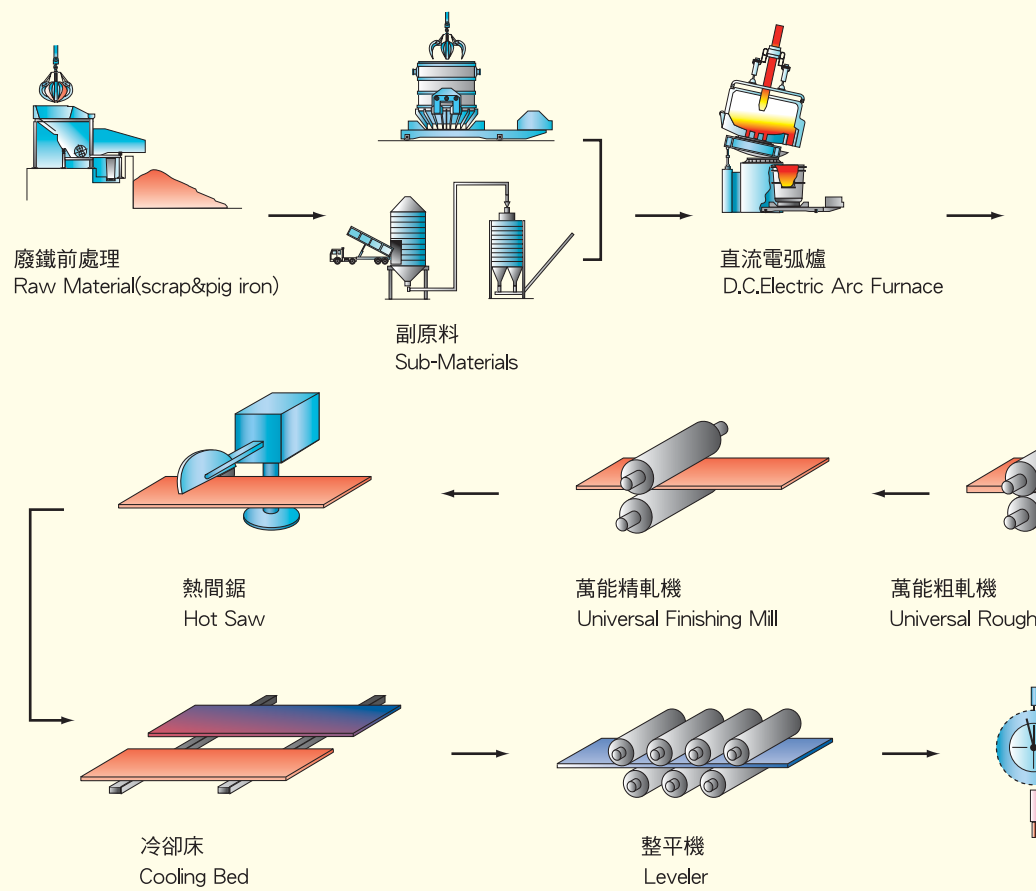
東和鋼鐵企業股份有限公司
TUNG HO STEEL ENTERPRISE CORPORATION

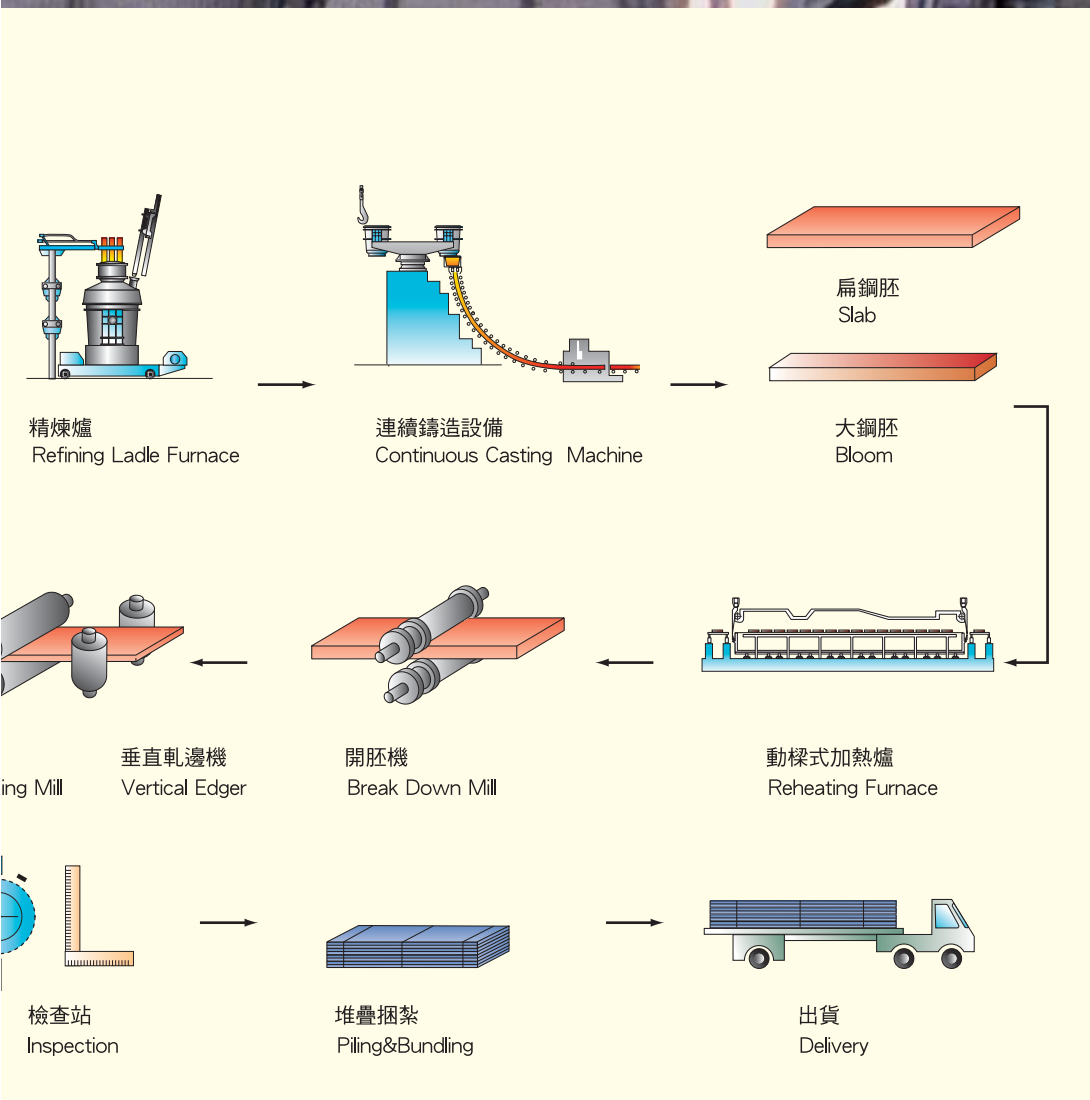
鋼板產品型錄 Universal Mill Plate



製造流程

Universal Mill Plate manufacturing flow chart





^(a) CNS、JIS & ASTM 材質規範－物理性質

CNS、JIS & ASTM Specifications-Physical Property

規 格 Standard	材質代號 Steel Grade	拉力試驗 Tensile Test			
		降伏強度 YS : Yield Stress (N/mm²) Fy : Force of Yield (kgf/cm²)			抗拉強度 TS : Tensile Stress (N/mm²) Fu : Force of Ultimate (kgf/cm²)
		厚度 thickness (mm)			
		t = 16	t > 16 t ≤ 40	t > 40 t ≤ 50	
鋼結構建築用鋼 Steel for structural shapes for use in building framing (ASTM A992-02)	A992	YS : 345 ~ 450 Fy : 3520 ~ 4592			TS : ≥ 450 Fu : ≥ 4592
加釩鉬高強度 低合金結構用鋼 High-strength low-alloy Columbium-Vanadium structural steel (ASTM A572-01)	A572G50 type2	YS : ≥ 345 Fy : ≥ 3520			TS : ≥ 450 Fu : ≥ 4592
結構用碳鋼 Carbon structural steel (ASTM A36-01)	A36	YS : ≥ 250 Fy : ≥ 2551			TS : 400 ~ 550 Fu : 4082 ~ 5612
建築結構用鋼 Rolled steels for building structure (CNS 13812 G3262-97) (JIS G3136-94)	SN400A	YS : ≥ 235 Fy : ≥ 2398		YS : ≥ 215 Fy : ≥ 2194	TS : 400~ 510 Fu : 4082~5204
	SN400B	YS : 235~ 355 Fy : 2398~3622		YS : 215 ~ 335 Fy : 2194~3418	TS : 400~ 510 Fu : 4082~5204
	SN490B	YS : 325~ 445 Fy : 3316~4541		YS : 295~ 415 Fy : 3010~4235	TS : 490~ 610 Fu : 5000~6224
銲接結構用鋼 Rolled steels for welded structure (CNS 2947 G3057-92) (JIS G3106-99)	SM400A	YS : ≥ 245	YS : ≥ 235	YS : ≥ 215	TS : 400~ 510
	SM400B	Fy : ≥ 2500	Fy : ≥ 2398	Fy : ≥ 2194	Fu : 4082~5204
	SM490A	YS : ≥ 325	YS : ≥ 315	YS : ≥ 295	TS : 490~ 610
	SM490B	Fy : ≥ 3316	Fy : ≥ 3214	Fy : ≥ 3010	Fu : 5000~6224
一般結構用鋼 Rolled steels for general structure (CNS 2473 G3039-92) (JIS G3101-95)	SS400	YS : ≥ 245 Fy : ≥ 2500	YS : ≥ 235 Fy : ≥ 2398	YS : ≥ 215 Fy : ≥ 2194	TS : 400~ 510 Fu : 4082~5204

(a) 本表所列以 CNS、JIS & ASTM 結構用鋼板相關材質規範為主，成品厚度範圍為 16 ~ 50 mm。

(b) ASTM 上述伸長率之規定僅適用於試片平行部長度為 200 mm 之試片，平行部長度為 50 mm 之試片一般實驗室較少使用，請另行查閱規範。

(c) JIS 衝擊試驗適用於厚度超過 12mm 之鋼板，其吸收能量試驗值為取三個試片測試值之平均值。

拉力試験 Tensile Test				彎曲試験 Bending Test		(c) 衝擊試験 Impact Test	
降伏比(%) Yield Ratio (%)	伸長率(%) Elongation (%)		彎曲 角度 Bending Angle	彎曲 半徑 Radius of Inside Diameter	試験 温度 ℃ Test Temp.	吸收 能量 J Absorption Energy	
	厚度 thickness (mm)						
	t =16	t >16 t ≤50					
≧ 85	(b) ≧18		—	—	—	—	
—	(b) ≧18		—	—	—	—	
—	(b) ≧20		—	—	—	—	
—	≧17	≧21	—	—			
≧ 80	≧18	≧22			0	≧ 27	
	≧17	≧21					
—	≧18	≧22	—	—	—	—	
					0	≧ 27	
—	≧17	≧21			—	—	
			0	≧ 27			
—	≧17	≧21	180°	厚度 1.5倍 (1.5 times of thickness)	—	—	

^(a) CNS、JIS & ASTM 材質規範－化學成份

CNS、JIS & ASTM Specifications-Chemical Composition

規 格 Standard	材質代號 Steel Grade	厚度 thickness (mm)	化學成份 Chemical Composition (%) max.			
			碳 C	矽 Si	錳 Mn	磷 P
鋼結構建築用鋼 Steel for structural shapes for use in building framing (ASTM A992-02)	A992		0.23	0.40	^(f) 0.50~1.50	0.035
(b) 加鈦鉬高強度 低合金結構用鋼 High-strength low-alloy Columbium-Vanadium structural steel (ASTM A572-01)	A572G50 type2	16 < t ≤ 40	0.23	0.40	^{(h)(i)} 0.80~1.35	0.040
		40 < t ≤ 50		0.15~0.40		
(b) 結構用碳鋼 Carbon structural steel (ASTM A36-01)	A36	16 ≤ t ≤ 20	0.25	0.40	—	0.040
		20 < t ≤ 40	0.25	0.40	0.80~1.20	0.040
		40 < t ≤ 50	0.26	0.15~0.40	0.80~1.20	0.040
(c) 建築結構用鋼 Rolled steels for building structure (CNS 13812 G3262-97) (JIS G3136-94)	SN400A		0.24	—	—	0.050
	SN400B		0.20	0.35	0.60~1.40	0.030
	SN490B	t ≤ 40	0.18	0.55	1.60	0.030
		40 < t ≤ 50				
(c) 銲接結構用鋼 Rolled steels for welded structure (CNS 2947 G3057-92) (JIS G3106-99)	SM400A		0.23	—	^(j) ≥ 2.5 C	0.035
	SM400B		0.20	0.35	0.60~1.40	0.035
	SM490A		0.20	0.55	1.60	0.035
	SM490B		0.18	0.55	1.60	0.035
(c) 一般結構用鋼 Rolled steels for general structure (CNS 2473 G3039-92) (JIS G3101-95)	SS400		—	—	—	0.050

(a) 本表所列以 CNS、JIS & ASTM 結構用鋼板相關材質規範為主，成品厚度範圍為 16~50 mm。

(b) ASTM A36 & A572G50 指定添加銅時，銅含量鋼液分析值不得低於 0.20 %。

(c) JIS SS、SM & SN 必要時可添加表列以外之元素。

(d) JIS SN $C_{eq} = C + Mn/6 + Si/24 + Ni/40 + Cr/5 + Mo/4 + V/14$ ，ASTM A992 $C_{eq} = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$ 。

(e) 銲接破裂感受性組成 $P_{cm} = C + Si/30 + Mn/20 + Cu/20 + Ni/60 + Cr/20 + Mo/15 + V/10 + 5B$

(f) A992 Mn/S ≥ 20。

化學成份 Chemical Composition (%) max.									(d) 碳當量 Ceq	(e) 鐸接破裂感受性組成 Pcm
硫 S	銅 Cu	鎳 Ni	鉻 Cr	鉬 Mo	釩 V	鈮 Nb	錫 Sn	氮 N		
(f) 0.045	0.60	0.45	0.35	0.15	(g) 0.11	(g) 0.05	0.02	0.015	0.45	—
0.050	—	—	—	—	0.01~0.15	—	—	—	—	—
0.050	—	—	—	—	—	—	—	—	—	—
0.050										
0.050										
0.050	—	—	—	—	—	—	—	—	—	—
0.015	—	—	—	—	—	—	—	—	0.36	0.26
0.015	—	—	—	—	—	—	—	—	0.44	0.29
									0.46	
0.035	—	—	—	—	—	—	—	—	—	—
0.035	—	—	—	—	—	—	—	—	—	—
0.035	—	—	—	—	—	—	—	—	—	—
0.035	—	—	—	—	—	—	—	—	—	—
0.050	—	—	—	—	—	—	—	—	—	—

(g) A992 $V+Nb \leq 0.15\%$ 。

(h) A572G50 當碳含量規格最大值每減少 0.01% 時，錳含量上限值可增加 0.06%，但是錳含量規格最大值不可超過 1.50%。

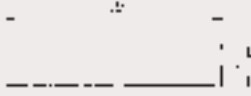

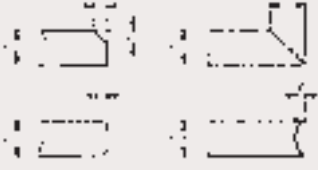
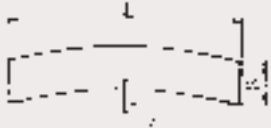
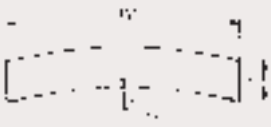

(i) A572G50 Mn/C 比值必須 ≥ 2 。

(j) 碳含量依鋼液分析值之含量。

形狀及尺寸公差 JIS G 3194

Shape and Dimension Tolerance

unit:mm

尺寸形狀 Dimension		公差等級 Tolerance Grade				
		A grade	B grade	C grade	D grade	
厚度 Thickness (t)	$15 \leq t < 20$	± 0.6	± 0.6	$+1.1 / -0.3$	—	
	$20 \leq t < 25$	± 1.0	± 0.8	$+1.1 / -0.3$	—	
	$25 \leq t < 40$	± 1.0	± 1.0	$+1.4 / -0.3$	—	
	$40 \leq t \leq 50$	± 1.5	± 1.2	$+2.1 / -0.3$	—	
寬度 Width (W)	$300 \leq W < 500$	$\pm W \times 2.0 \%$	± 3.5	—	—	
	$500 \leq W \leq 900$	± 10.0	± 3.5	—	—	
長度 Length (L)		$+200 / -0$	$+100 / -0$	$+50 / -0$	$+25 / -0$	
切角 Corner drop (cd)	$9 \leq t \leq 26$	—	$\leq t \times 15 \%$	—	—	
	$27 \leq t \leq 50$	—	≤ 4.0	—	—	
橫曲 Camber (C)		$\leq L \times 0.4 \%$ (and camber of any one meter length must be ≤ 4.0)	$\leq L \times 0.3 \%$ (and camber of any one meter length must be ≤ 3.0)	$\leq L \times 0.25 \%$ (and camber of any one meter length must be ≤ 2.5)	—	
寬度方向平坦度 Flatness (Width) (F_{tw})		—	$\leq W \times 0.3 \%$	—	—	
長度方向平坦度 Flatness (Length) (F_{tl})		≤ 20.0 (and flatness of any one meter length must be ≤ 7.0)	≤ 10.0 (and flatness of any one meter length must be ≤ 3.0)	—	—	

箱型柱尺寸(Box Column Dimensions)：

參考用 For Reference Only

標準尺寸 Standard dimension							參考資料 Reference							
公稱尺寸 Nominal size (mm)	截面尺寸 Section dimensions (mm)				截面積 Section area (cm²)	單重 Unit weight (kg/m)	慣性矩 Moment of inertia (cm⁴)		迴轉半徑 Radius of gyration (cm)		截面模數 Section modulus (cm³)		塑性截面模數 Plastic section modulus (cm³)	
	H	B	t1	t2			Ix	Iy	rx	ry	Sx	Sy	Zx	Zy
400×400	400	400	16	16	245.8	193	60,503		15.69		3,025		3,541	
	400	400	19	19	289.6	227	70,229		15.57		3,511		4,141	
	400	400	22	22	332.6	261	79,483		15.46		3,974		4,720	
	400	400	25	25	375.0	294	88,281		15.34		4,414		5,281	
	400	400	28	28	416.6	327	96,638		15.23		4,832		5,823	
	400	400	32	32	471.0	370	107,121		15.08		5,356		6,517	
	400	400	36	36	524.2	411	116,881		14.93		5,844		7,178	
450×450	450	450	16	16	277.8	218	87,315		17.73		3,881		4,523	
	450	450	19	19	327.6	257	101,610		17.61		4,516		5,298	
	450	450	22	22	376.6	296	115,295		17.50		5,124		6,050	
	450	450	25	25	425.0	334	128,385		17.38		5,706		6,781	
	450	450	28	28	472.6	371	140,900		17.27		6,262		7,491	
	450	450	32	32	535.0	420	156,720		17.11		6,965		8,403	
	450	450	36	36	596.2	468	171,587		16.97		7,626		9,279	
500×500	500	500	19	19	365.6	287	141,180		19.65		5,647		6,597	
	500	500	22	22	420.6	330	160,522		19.53		6,421		7,545	
	500	500	25	25	475.0	373	179,115		19.42		7,165		8,469	
	500	500	28	28	528.6	415	196,978		19.30		7,879		9,368	
	500	500	32	32	599.0	470	219,696		19.15		8,788		10,530	
	500	500	36	36	668.2	524	241,197		19.00		9,648		11,649	
	500	500	40	40	736.0	578	261,525		18.85		10,461		12,728	
550×550	550	550	19	19	403.6	317	189,890		21.69		6,905		8,039	
	550	550	22	22	464.6	365	216,265		21.57		7,864		9,205	
	550	550	25	25	525.0	412	241,719		21.46		8,790		10,344	
	550	550	28	28	584.6	459	266,272		21.34		9,683		11,455	
	550	550	32	32	663.0	520	297,647		21.19		10,824		12,896	
	550	550	36	36	740.2	581	327,511		21.04		11,909		14,290	
	550	550	40	40	816.0	640	355,912		20.88		12,942		15,638	
600×600	600	600	22	22	508.6	399	283,624		23.61		9,454		11,030	
	600	600	25	25	575.0	451	317,448		23.50		10,582		12,406	
	600	600	28	28	640.6	503	350,182		23.38		11,673		13,753	
	600	600	32	32	727.0	571	392,175		23.23		13,073		15,502	
	600	600	36	36	812.2	637	432,329		23.07		14,411		17,201	
	600	600	40	40	896.0	703	470,699		22.92		15,690		18,848	
	600	600	45	45	999.0	784	516,233		22.73		17,208		20,837	
650×650	600	600	50	50	1,100.0	863	559,167		22.55		18,639		22,750	
	650	650	22	22	552.6	434	363,700		25.65		11,191		13,020	
	650	650	25	25	625.0	491	407,552		25.54		12,540		14,656	
	650	650	28	28	696.6	547	450,108		25.42		13,849		16,260	
	650	650	32	32	791.0	621	504,879		25.26		15,535		18,349	
	650	650	36	36	884.2	694	557,451		25.11		17,152		20,381	
	650	650	40	40	976.0	766	607,885		24.96		18,704		22,358	
	650	650	45	45	1,089.0	855	668,011		24.77		20,554		24,752	
	650	650	50	50	1,200.0	942	725,000		24.58		22,308		27,063	

標準尺寸 Standard dimension							參考資料 Reference							
公稱尺寸 Nominal size (mm)	截面尺寸 Section dimensions (mm)				截面積 Section area (cm ²)	單重 Unit weight (kg/m)	慣性矩 Moment of inertia (cm ⁴)		迴轉半徑 Radius of gyration (cm)		截面模數 Section modulus (cm ³)		塑性截面模數 Plastic section modulus (cm ³)	
	H	B	t1	t2			Ix	Iy	rx	ry	Sx	Sy	Zx	Zy
700×700	700	700	22	22	596.6	468	457,591		27.69		13,074		15,175	
	700	700	25	25	675.0	530	513,281		27.58		14,665		17,094	
	700	700	28	28	752.6	591	567,450		27.46		16,213		18,978	
	700	700	32	32	855.0	671	637,358		27.30		18,210		21,435	
	700	700	36	36	956.2	750	704,677		27.15		20,134		23,832	
	700	700	40	40	1,056.0	829	769,472		26.99		21,985		26,168	
	700	700	45	45	1,179.0	925	847,013		26.80		24,200		29,005	
	700	700	50	50	1,300.0	1,020	920,833		26.61		26,310		31,750	
750×750	750	750	22	22	640.6	503	566,398		29.73		15,104		17,495	
	750	750	25	25	725.0	569	635,885		29.62		16,957		19,719	
	750	750	28	28	808.6	635	703,608		29.50		18,763		21,905	
	750	750	32	32	919.0	721	791,214		29.34		21,099		24,762	
	750	750	36	36	1,028.2	807	875,807		29.19		23,355		27,552	
	750	750	40	40	1,136.0	892	957,459		29.03		25,532		30,278	
	750	750	45	45	1,269.0	996	1,055,491		28.84		28,146		33,595	
	750	750	50	50	1,400.0	1,099	1,149,167		28.65		30,644		36,813	
800×800	800	800	25	25	775.0	608	776,615		31.66		19,415		22,531	
	800	800	28	28	864.6	679	859,982		31.54		21,500		25,042	
	800	800	32	32	983.0	772	968,045		31.38		24,201		28,328	
	800	800	36	36	1,100.2	864	1,072,641		31.22		26,816		31,543	
	800	800	40	40	1,216.0	954	1,173,845		31.07		29,346		34,688	
	800	800	45	45	1,359.0	1,067	1,295,693		30.88		32,392		38,522	
	800	800	50	50	1,500.0	1,177	1,412,500		30.69		35,313		42,250	
850×850	850	850	25	25	825.0	648	936,719		33.70		22,040		25,531	
	850	850	28	28	920.6	723	1,037,972		33.58		24,423		28,390	
	850	850	32	32	1,047.0	822	1,169,453		33.42		27,517		32,134	
	850	850	36	36	1,172.2	920	1,296,979		33.26		30,517		35,804	
	850	850	40	40	1,296.0	1,017	1,420,632		33.11		33,427		39,398	
	850	850	45	45	1,449.0	1,137	1,569,871		32.92		36,938		43,787	
	850	850	50	50	1,600.0	1,256	1,713,333		32.72		40,314		48,063	
900×900	900	900	25	25	662.5	520	1,117,448		41.07		24,832		28,719	
	900	900	28	28	740.3	581	1,238,979		40.91		27,533		31,947	
	900	900	32	32	843.5	662	1,397,037		40.70		31,045		36,181	
	900	900	36	36	946.1	743	1,550,621		40.48		34,458		40,334	
	900	900	40	40	1,048.0	823	1,699,819		40.27		37,774		44,408	
	900	900	45	45	1,174.5	922	1,880,273		40.01		41,784		49,390	
	900	900	50	50	1,300.0	1,020	2,054,167		39.75		45,648		54,250	

組合H型鋼尺寸(Build-Up H-Beam Dimensions)：

參考用 For Reference Only

標準尺寸 Standard dimension							參考資料 Reference							
公稱尺寸 Nominal size (mm)	截面尺寸 Section dimensions (mm)				截面積 Section area (cm²)	單重 Unit weight (kg/m)	慣性矩 Moment of inertia (cm⁴)		迴轉半徑 Radius of gyration (cm)		截面模數 Section modulus (cm³)		塑性截面模數 Plastic section modulus (cm³)	
	H	B	t1	t2			Ix	Iy	rx	ry	Sx	Sy	Zx	Zy
400×400	442	400	22	36	369.4	290	128,279	38,433	18.64	10.20	5,804	1,922	6,599	2,902
	450	400	25	40	412.5	324	145,459	42,715	18.78	10.18	6,465	2,136	7,416	3,229
	460	400	28	45	463.6	364	167,429	48,068	19.00	10.18	7,280	2,403	8,428	3,636
	470	400	32	50	518.4	407	190,741	53,434	19.18	10.15	8,117	2,672	9,495	4,047
500×500	470	500	16	25	317.2	249	133,774	52,098	20.54	12.82	5,693	2,084	6,268	3,138
	476	500	16	28	347.2	273	150,554	58,348	20.82	12.96	6,326	2,334	6,978	3,513
	484	500	19	32	399.8	314	175,447	66,691	20.95	12.92	7,250	2,668	8,070	4,019
	492	500	22	36	452.4	355	201,114	75,037	21.08	12.88	8,175	3,001	9,178	4,525
	500	500	25	40	505.0	396	227,568	83,388	21.23	12.85	9,103	3,336	10,303	5,033
	510	500	28	45	567.6	446	261,300	93,827	21.46	12.86	10,247	3,753	11,697	5,666
	520	500	32	50	634.4	498	296,923	104,281	21.63	12.82	11,420	4,171	13,161	6,304
600×350	584	350	16	32	307.2	241	189,573	22,884	24.84	8.63	6,492	1,308	7,264	1,977
	592	350	16	36	335.2	263	213,776	25,743	25.25	8.76	7,222	1,471	8,087	2,222
	600	350	19	40	378.8	297	242,156	28,613	25.28	8.69	8,072	1,635	9,124	2,473
	610	350	19	45	413.8	325	274,184	32,186	25.74	8.82	8,990	1,839	10,183	2,780
	620	350	22	50	464.4	365	310,795	35,775	25.87	8.78	10,026	2,044	11,462	3,094
600×400	584	400	16	32	339.2	266	213,977	34,151	25.12	10.03	7,328	1,708	8,147	2,577
	592	400	16	36	371.2	291	241,637	38,418	25.51	10.17	8,163	1,921	9,088	2,897
	600	400	19	40	418.8	329	273,570	42,696	25.56	10.10	9,119	2,135	10,244	3,223
	610	400	19	45	458.8	360	310,173	48,030	26.00	10.23	10,170	2,401	11,454	3,623
	620	400	22	50	514.4	404	351,511	53,379	26.14	10.19	11,339	2,669	12,887	4,031
700×350	684	350	16	32	323.2	254	270,026	22,888	28.90	8.42	7,896	1,308	8,840	1,980
	692	350	16	36	351.2	276	303,161	25,746	29.38	8.56	8,762	1,471	9,803	2,225
	700	350	19	40	397.8	312	343,029	28,619	29.37	8.48	9,801	1,635	11,066	2,478
	710	350	19	45	432.8	340	386,519	32,192	29.88	8.62	10,888	1,840	12,300	2,784
	720	350	22	50	486.4	382	437,210	35,784	29.98	8.58	12,145	2,045	13,839	3,100
700×400	684	400	16	32	355.2	279	304,062	34,154	29.26	9.81	8,891	1,708	9,883	2,580
	692	400	16	36	387.2	304	341,930	38,421	29.72	9.96	9,882	1,921	10,984	2,900
	700	400	19	40	437.8	344	386,642	42,702	29.72	9.88	11,047	2,135	12,386	3,228
	710	400	19	45	477.8	375	436,345	48,035	30.22	10.03	12,291	2,402	13,796	3,628
	720	400	22	50	536.4	421	493,427	53,388	30.33	9.98	13,706	2,669	15,514	4,038
800×300	792	300	19	36	352.8	277	367,960	16,241	32.30	6.78	9,292	1,083	10,627	1,652
	800	300	19	40	376.8	296	405,978	18,041	32.82	6.92	10,149	1,203	11,582	1,832
	810	300	19	45	406.8	319	454,580	20,291	33.43	7.06	11,224	1,353	12,790	2,057
	820	300	22	50	458.4	360	513,729	22,564	33.48	7.02	12,530	1,504	14,401	2,294
800×350	792	350	19	36	388.8	305	419,437	25,766	32.85	8.14	10,592	1,472	11,988	2,237
	800	350	19	40	416.8	327	463,791	28,624	33.36	8.29	11,595	1,636	13,102	2,482
	810	350	22	45	473.4	372	529,825	32,220	33.45	8.25	13,082	1,841	14,900	2,800
	820	350	22	50	508.4	399	587,945	35,793	34.01	8.39	14,340	2,045	16,326	3,106
800×400	792	400	19	36	424.8	333	470,915	38,441	33.29	9.51	11,892	1,922	13,349	2,912
	800	400	19	40	456.8	359	521,604	42,708	33.79	9.67	13,040	2,135	14,622	3,232
	810	400	22	45	518.4	407	595,739	48,064	33.90	9.63	14,710	2,403	16,621	3,644
	820	400	22	50	558.4	438	662,162	53,397	34.44	9.78	16,150	2,670	18,251	4,044

* 設計時請與熱軋H型鋼尺寸合併參考使用。(Please refer to Rolled H-Beam sizes in structure design.)

標準尺寸 Standard dimension							參考資料 Reference							
公稱尺寸 Nominal size (mm)	截面尺寸 Section dimensions (mm)				截面積 Section area (cm²)	單重 Unit weight (kg/m)	慣性矩 Moment of inertia (cm⁴)		迴轉半徑 Radius of gyration (cm)		截面模數 Section modulus (cm³)		塑性截面模數 Plastic section modulus (cm³)	
	H	B	t1	t2			Ix	Iy	rx	ry	Sx	Sy	Zx	Zy
850×300	820	300	16	25	273.2	214	297,959	11,276	33.02	6.42	7,267	752	8,334	1,150
	826	300	16	28	291.2	229	328,439	12,626	33.58	6.58	7,953	842	9,075	1,285
	834	300	19	32	338.3	266	381,186	14,444	33.57	6.53	9,141	963	10,515	1,475
	842	300	19	36	362.3	284	423,321	16,244	34.18	6.70	10,055	1,083	11,521	1,655
	850	300	22	40	409.4	321	477,678	18,068	34.16	6.64	11,239	1,205	12,981	1,847
	860	300	22	45	439.4	345	532,505	20,318	34.81	6.80	12,384	1,355	14,263	2,072
	870	300	22	50	469.4	368	588,623	22,568	35.41	6.93	13,532	1,505	15,561	2,297
850×350	820	350	16	25	298.2	234	337,473	17,891	33.64	7.75	8,231	1,022	9,328	1,556
	826	350	16	28	319.2	251	373,033	20,035	34.19	7.92	9,032	1,145	10,192	1,740
	834	350	19	32	370.3	291	432,670	22,911	34.18	7.87	10,376	1,309	11,799	1,995
	842	350	19	36	398.3	313	481,827	25,769	34.78	8.04	11,445	1,473	12,972	2,240
	850	350	22	40	449.4	353	543,341	28,652	34.77	7.98	12,784	1,637	14,601	2,497
	860	350	22	45	484.4	380	607,306	32,225	35.41	8.16	14,123	1,841	16,097	2,803
	870	350	22	50	519.4	408	672,777	35,797	35.99	8.30	15,466	2,046	17,611	3,109
850×400	820	400	16	25	323.2	254	376,988	26,693	34.15	9.09	9,195	1,335	10,322	2,025
	826	400	16	28	347.2	273	417,628	29,893	34.68	9.28	10,112	1,495	11,309	2,265
	834	400	19	32	402.3	316	484,153	34,177	34.69	9.22	11,610	1,709	13,082	2,595
	842	400	19	36	434.3	341	540,333	38,444	35.27	9.41	12,835	1,922	14,423	2,915
	850	400	22	40	489.4	384	609,004	42,735	35.28	9.34	14,330	2,137	16,221	3,247
	860	400	22	45	529.4	416	682,108	48,068	35.90	9.53	15,863	2,403	17,931	3,647
	870	400	22	50	569.4	447	756,931	53,402	36.46	9.68	17,401	2,670	19,661	4,047
900×300	870	300	16	25	281.2	221	341,353	11,278	34.84	6.33	7,847	752	9,027	1,151
	876	300	16	28	299.2	235	375,649	12,628	35.43	6.50	8,576	842	9,813	1,286
	884	300	19	32	347.8	273	435,898	14,447	35.40	6.44	9,862	963	11,373	1,477
	892	300	19	36	371.8	292	483,211	16,247	36.05	6.61	10,834	1,083	12,439	1,657
	900	300	22	40	420.4	330	545,164	18,073	36.01	6.56	12,115	1,205	14,018	1,850
	910	300	22	45	450.4	354	606,592	20,323	36.70	6.72	13,332	1,355	15,376	2,075
	920	300	22	50	480.4	377	669,384	22,573	37.33	6.85	14,552	1,505	16,748	2,300
900×350	870	350	16	25	306.2	240	385,993	17,893	35.50	7.64	8,873	1,022	10,083	1,557
	876	350	16	28	327.2	257	426,005	20,036	36.08	7.83	9,726	1,145	11,000	1,741
	884	350	19	32	379.8	298	493,997	22,914	36.06	7.77	11,176	1,309	12,736	1,997
	892	350	19	36	407.8	320	549,196	25,772	36.70	7.95	12,314	1,473	13,980	2,242
	900	350	22	40	460.4	361	619,177	28,656	36.67	7.89	13,759	1,637	15,738	2,500
	910	350	22	45	495.4	389	690,843	32,229	37.34	8.07	15,183	1,842	17,322	2,806
	920	350	22	50	530.4	416	764,101	35,802	37.96	8.22	16,611	2,046	18,923	3,112
900×400	870	400	16	25	331.2	260	430,632	26,695	36.06	8.98	9,900	1,335	11,140	2,026
	876	400	16	28	355.2	279	476,360	29,895	36.62	9.17	10,876	1,495	12,187	2,266
	884	400	19	32	411.8	323	552,097	34,180	36.62	9.11	12,491	1,709	14,100	2,597
	892	400	19	36	443.8	348	615,181	38,447	37.23	9.31	13,793	1,922	15,520	2,917
	900	400	22	40	500.4	393	693,191	42,739	37.22	9.24	15,404	2,137	17,458	3,250
	910	400	22	45	540.4	424	775,094	48,073	37.87	9.43	17,035	2,404	19,268	3,650
	920	400	22	50	580.4	456	858,817	53,406	38.47	9.59	18,670	2,670	21,098	4,050

* 設計時請與熱軋H型鋼尺寸合併參考使用。(Please refer to Rolled H-Beam sizes in structure design.)

標準尺寸 Standard dimension							參考資料 Reference							
公稱尺寸 Nominal size (mm)	截面尺寸 Section dimensions (mm)				截面積 Section area (cm²)	單重 Unit weight (kg/m)	慣性矩 Moment of inertia (cm⁴)		迴轉半徑 Radius of gyration (cm)		截面模數 Section modulus (cm³)		塑性截面模數 Plastic section modulus (cm³)	
	H	B	t1	t2			Ix	Iy	rx	ry	Sx	Sy	Zx	Zy
950×300	920	300	19	25	315.3	247	404,725	11,300	35.83	5.99	8,798	753	10,308	1,164
	926	300	19	28	333.3	262	443,062	12,650	36.46	6.16	9,569	843	11,138	1,299
	934	300	19	32	357.3	280	494,957	14,450	37.22	6.36	10,599	963	12,254	1,475
	942	300	19	36	381.3	299	547,748	16,250	37.90	6.53	11,629	1,083	13,380	1,659
	950	300	22	40	431.4	339	617,906	18,077	37.85	6.47	13,009	1,205	15,083	1,853
	960	300	22	45	461.4	362	686,308	20,327	38.57	6.64	14,298	1,355	16,515	2,078
	970	300	25	50	517.5	406	772,613	22,613	38.64	6.61	15,930	1,508	18,531	2,318
950×350	920	350	19	25	340.3	267	454,803	17,914	36.56	7.26	9,887	1,024	11,427	1,571
	926	350	19	28	361.3	284	499,529	20,058	37.18	7.45	10,789	1,146	12,396	1,754
	934	350	19	32	389.3	306	560,072	22,916	37.93	7.67	11,993	1,310	13,698	1,999
	942	350	19	36	417.3	328	621,662	25,775	38.60	7.86	13,199	1,473	15,011	2,244
	950	350	22	40	471.4	370	700,769	28,661	38.56	7.80	14,753	1,638	16,903	2,503
	960	350	22	45	506.4	397	780,572	32,233	39.26	7.98	16,262	1,842	18,574	2,809
	970	350	25	50	567.5	445	878,517	35,842	39.35	7.95	18,114	2,048	20,831	3,130
950×400	920	400	19	25	365.3	287	504,880	26,716	37.18	8.55	10,976	1,336	12,545	2,039
	926	400	19	28	389.3	306	555,996	29,916	37.79	8.77	12,009	1,496	13,653	2,279
	934	400	19	32	421.3	331	625,188	34,183	38.52	9.01	13,387	1,709	15,141	2,599
	942	400	19	36	453.3	356	695,576	38,450	39.17	9.21	14,768	1,922	16,642	2,919
	950	400	22	40	511.4	401	783,632	42,744	39.14	9.14	16,498	2,137	18,723	3,253
	960	400	22	45	551.4	433	874,836	48,077	39.83	9.34	18,226	2,404	20,633	3,653
	970	400	25	50	617.5	485	984,421	53,447	39.93	9.30	20,297	2,672	23,131	4,068
1000×300	976	300	19	28	342.8	269	500,858	12,653	38.22	6.08	10,263	844	11,984	1,302
	984	300	19	32	366.8	288	558,482	14,453	39.02	6.28	11,351	964	13,160	1,482
	992	300	19	36	390.8	307	617,051	16,253	39.74	6.45	12,441	1,084	14,345	1,662
	1000	300	22	40	442.4	347	696,039	18,082	39.67	6.39	13,921	1,205	16,175	1,856
	1010	300	22	45	472.4	371	771,792	20,332	40.42	6.56	15,283	1,355	17,683	2,081
	1020	300	25	50	530.0	416	868,527	22,620	40.48	6.53	17,030	1,508	19,840	2,322
1000×350	976	350	19	28	370.8	291	563,785	20,061	38.99	7.36	11,553	1,146	13,311	1,757
	984	350	19	32	398.8	313	631,014	22,919	39.78	7.58	12,825	1,310	14,683	2,002
	992	350	19	36	426.8	335	699,344	25,778	40.48	7.77	14,100	1,473	16,066	2,247
	1000	350	22	40	482.4	379	788,253	28,665	40.42	7.71	15,765	1,638	18,095	2,506
	1010	350	22	45	517.4	406	876,631	32,238	41.16	7.89	17,359	1,842	19,854	2,812
	1020	350	25	50	580.0	455	986,243	35,849	41.24	7.86	19,338	2,049	22,265	3,134
1000×400	976	400	19	28	398.8	313	626,713	29,919	39.64	8.66	12,842	1,496	14,638	2,282
	984	400	19	32	430.8	338	703,545	34,186	40.41	8.91	14,300	1,709	16,206	2,602
	992	400	19	36	462.8	363	781,637	38,453	41.10	9.12	15,759	1,923	17,787	2,922
	1000	400	22	40	522.4	410	880,466	42,748	41.05	9.05	17,609	2,137	20,015	3,256
	1010	400	22	45	562.4	441	981,469	48,082	41.77	9.25	19,435	2,404	22,025	3,656
	1020	400	25	50	630.0	494	1,103,960	53,453	41.86	9.21	21,646	2,673	24,690	4,072

* 設計時請與熱軋H型鋼尺寸合併參考使用。(Please refer to Rolled H-Beam sizes in structure design.)

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電子化採購 Supply Chain Management:

綠建築鋼構 Green Structure:

TUNG HO STEEL WEBSITES

<http://www.ths.com.tw>

<http://dcm.ths.com.tw>

<http://scm.ths.com.tw>

<http://www.greenstructure.com.tw>

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