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材 料 汇 总 表

材料	材质	规格	段号 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	基本塔身(m) 8.5	11.3	12.9	16.0	19.2	21.7	24.9
角钢	Q345	L140X10								55.9					55.9	55.9																									55.9	55.9	55.9	55.9	55.9
		L125X10							51.3	485.3	439.1	51.3	102.6											68.2	87.5	106.8	126.1	145.4	164.6	62.4	81.7	101.0	120.3	139.6	158.9	68.2	87.5	106.8	51.3	102.6	51.3	51.3	536.6	536.6	975.7
		L110X10						284.7	379.6				271.9					53.6	70.5	87.3	36.0	52.8	69.6																	284.7	556.6	664.3	664.3	664.3	664.3	664.3
		L110X8					33.0				68.2						34.1	34.1																					33.0	33.0	33.0	33.0	67.1	67.1	101.2
		L100X8					206.0																																206.0	206.0	206.0	206.0	206.0	206.0	206.0
		L90X7						21.9																															21.9	21.9	21.9	21.9	21.9	21.9	21.9
		L80X6				142.8																																	142.8	142.8	142.8	142.8	142.8	142.8	142.8
		L75X6			19.3	40.6												27.0	37.8	49.4	31.6	42.4	54.0	48.0	59.6	71.6	49.4	51.4	61.2	49.8	61.0	72.8	57.4	68.8	80.6	58.2	69.0	80.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9
		L75X5	14.4																																				14.4	14.4	14.4	14.4	14.4	14.4	14.4
		L70X6	3.8		156.5		14.2																																174.5	174.5	174.5	174.5	174.5	174.5	174.5
		L70X5	32.8	4.0			15.2																																52.0	52.0	52.0	52.0	52.0	52.0	52.0
		L63X5	18.0	38.2		13.5	213.9	347.7	53.9	413.0	483.8	53.2	221.4	32.6	268.8	89.8	230.4																			33.2			684.5	852.7	717.8	954.0	1188.0	1328.6	1582.0
		小 计	69.0	42.2	175.8	196.9	482.3	654.3	484.8	954.2	991.1	104.5	595.9	88.5	324.7	123.9	264.5	80.6	108.3	136.7	67.6	95.2	123.6	116.2	147.1	178.4	175.5	196.8	225.8	112.2	142.7	173.8	177.7	208.4	239.5	159.6	156.5	187.4	1725.0	2216.4	2193.8	2430.0	3183.4	3324.0	4050.6
	Q235	L56X5							280.0			56.9																											56.9		280.0	280.0	280.0	280.0	280.0
		L56X4									92.8		51.3																					21.6				25.1			51.3				92.8
		L50X5				64.4																																16.8	64.4	64.4	64.4	64.4	64.4	64.4	64.4
		L50X4				58.9	40.1	15.4	25.6			25.4	29.6	44.2	37.0	67.4	73.6													17.1		11.4			31.5	12.4	19.5	12.2	24.5	139.8	144.0	184.2	177.0	207.4	213.6	140.0
		L45X4	13.4	13.4	43.2	73.4					74.8		22.3											13.3		7.8	14.2	23.0	9.0		25.6		17.4	11.1	21.0	8.2	25.1	19.3	143.4	165.7	143.4	143.4	143.4	143.4	218.2
		L40X4				10.6	7.2	9.3	17.0		98.8	16.7		11.6	24.0	10.2	72.5						5.8	8.3	14.7	8.7	13.9	9.0	14.8	15.6	8.8	14.6	6.6		24.9			9.2	43.8	27.1	55.7	68.1	54.3	116.6	142.9
		L40X3	11.8	11.8	54.8		7.0	35.7	106.5	129.4	23.9	13.8	68.5		62.2			14.0	16.5	29.8	16.6	19.1	29.2	5.8	25.7	40.6	2.7	17.6	39.4	8.3	23.5	46.3	6.2	26.1	30.0	5.8	17.7	31.1	134.9	189.6	227.6	289.8	357.0	357.0	380.9
		小 计	25.2	25.2	98.0	207.3	54.3	60.4	429.1	129.4	290.3	112.8	171.7	55.8	123.2	77.6	146.1	14.0	16.5	29.8	16.6	19.1	35.0	27.4	40.4	57.1	30.8	49.6	63.2	41.0	57.9	72.3	51.8	68.7	88.3	33.5	80.1	100.9	583.2	642.1	955.3	1022.7	1106.5	1175.0	1319.2
钢板	Q345	−6	12.6	9.2		65.5	27.0	43.0	45.4	53.9	78.2	42.9	60.8	26.4	52.3	26.4	28.6																			7.0			200.2	218.1	229.1	255.0	283.0	285.2	334.8
		−8			28.4	33.4	99.6	174.8			112.0	34.4	15.6	20.0	19.3	56.9	74.3	3.5	3.9	4.4	3.5	3.6	3.9	3.6	4.4	5.2	3.3	3.6	4.1	3.3	3.5	4.1	3.3	3.6	4.1	3.3	3.6	4.3	370.6	351.8	356.2	355.5	393.1	410.5	448.2
		−12																30.5	30.8	29.4	30.8	29.4	29.2	29.9	29.9	32.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.2	29.8	29.8							
		−18	25.8	25.0																																			50.8	50.8	50.8	50.8	50.8	50.8	50.8
		−20			80.0	63.0																																	143.0	143.0	143.0	143.0	143.0	143.0	143.0
		−30																35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8							
		小 计	38.4	34.2	108.4	161.9	126.6	217.8	45.4	53.9	190.2	77.3	76.4	46.4	71.6	83.3	102.9	69.8	70.5	69.6	70.1	68.8	68.9	69.3	70.1	73.8	69.0	69.3	69.8	69.0	69.2	69.8	69.0	69.3	69.8	76.3	69.2	69.9	764.6	763.7	779.1	804.3	869.9	889.5	976.8
	Q235	−2						0.9																															0.9	0.9	0.9	0.9	0.9	0.9	0.9
		−5					5.3																																5.3	5.3	5.3	5.3	5.3	5.3	5.3
		−6	3.2	2.8	4.2	46.7	19.8		47.6		13.5	11.1	11.1	12.7	6.9	7.1	30.3	5.6	5.0	7.2	5.6	4.8	7.2	5.2	7.2	10.4	5.0	7.2	10.4	5.4	7.2	9.8	5.4	7.4	9.8		7.2	10.2	87.8	87.8	137.0	131.2	131.4	154.6	137.8
		−8	0.2	0.2	0.3				2.5																														0.7	0.7	3.2	3.2	3.2	3.2	3.2
		−10				3.2	2.2	6.8	1.5	5.7	7.9	2.2	4.5		2.2		4.6																						14.4	16.7	13.7	15.9	19.4	24.0	27.3
		−12						1.4																															1.4	1.4	1.4	1.4	1.4	1.4	1.4
		−14	0.3	0.3																																			0.6	0.6	0.6	0.6	0.6	0.6	0.6
		−16			0.6			3.6	0.6	3.6	1.8		3.6																											4.2	7.8	4.8	4.8	8.4	8.4	10.2
		小 计	3.7	3.3	5.1	49.9	27.3	12.7	52.2	9.3	23.2	13.3	19.2	12.7	9.1	7.1	34.9	5.6	5.0	7.2	5.6	4.8	7.2	5.2	7.2	10.4	5.0	7.2	10.4	5.4	7.2	9.8	5.4	7.4	9.8		7.2	10.2	115.3	121.2	166.9	163.3	170.6	198.4	186.7
螺栓	6.8级	M16X40	2.5	2.5	6.1	31.1	13.1	6.3	26.0	9.2	11.0	9.8	15.6	7.5	11.0	5.2	6.3	2.7	2.7	4.0	2.5	2.5	4.0	0.9	3.7	5.8	2.6	3.6	5.8	2.6	4.2	6.1	2.6	4.2	5.9	0.9	4.0	5.8	71.4	77.2	95.1	98.6	102.0	103.1	107.8
		M16X50	1.0	1.0	1.9	9.5	2.4	1.4	9.0	2.6	6.4	3.8	2.6	1.3		1.3	3.8			0.6	0.3	0.3	0.6	0.3	1.0	1.6	0.2	1.1	1.3	0.5	1.1	1.6	0.5	1.1	1.8	0.3	1.3	1.9	21.0	19.8	27.5	26.2	30.1	32.6	35.2
		M16X60			0.4				1.4																														0.4	0.4	1.8	1.8	1.8	1.8	1.8
		M16X50(双帽)				1.5																																	1.5	1.5	1.5	1.5	1.5	1.5	1.5
		M16X60(双帽)	0.8	0.8		1.6																																	3.2	3.2	3.2	3.2	3.2	3.2	3.2
		M16X70(双帽)			1.8																																		1.8	1.8	1.8	1.8	1.8	1.8	1.8
		小 计	4.3	4.3	10.2	43.7	15.5	7.7	36.4	11.8	17.4	13.6	18.2	8.8	11.0	6.5	10.1	2.7	2.7	4.6	2.8	2.8	4.6	1.2	4.7	7.4	2.8	4.7	7.1	3.1	5.3	7.7	3.1	5.3	7.7	1.2	5.3	7.7	99.3	103.9	130.9	133.1	140.4	144.0	151.3
	6.8级	M20X45	9.7	4.3	10.8	25.9	34.6	19.4	5.4	5.4	25.9	13.0	18.4	11.9	17.3	17.3	20.5							3.2														3.2			117.7	123.1	122.0	127.4	132.8	136.0	141.4
		M20X55	1.2			3.5	41.9	36.6	39.0	48.4	31.9	36.6	70.9	30.7	44.9	8.3	21.3	8.9	8.9	4.1	4.1	4.1	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.4	4.7	4.7	119.8	154.1	152.9	167.1	178.9	191.9	202.5
		M20X65						7.7		5.1	67.9		3.8			30.8	33.3							7.7													7.7			7.7	11.5	7.7	7.7	43.6	46.1	80.7
		M20X60(双帽)				2.9																																	2.9	2.9	2.9	2.9	2.9	2.9	2.9
		M20X70(双帽)	3.9	3.9		1.5																																	9.3	9.3	9.3	9.3	9.3	9.3	9.3
		M20X80(双帽)			13.2	4.9																																	18.1	18.1	18.1	18.1	18.1	18.1	18.1
		小 计	14.8	8.2	24.0	38.7	76.5	63.7	44.4	58.9	125.7	49.6	93.1	42.6	62.2	56.4	75.1	8.9	8.9	4.1	4.1	4.1	4.1	15.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	15.3	4.7	4.7	275.5	319.0	312.9	332.5	385.6	404.3	454.9
		螺栓合计	19.1	12.5	34.2	82.4	92.0	71.4	80.8	70.7	143.1	63.2	111.3	51.4	73.2	62.9	85.2	11.6	11.6	8.7	6.9	6.9	8.7	16.5	9.4	12.1	7.5	9.4	11.8	7.8	10.0	12.4	7.8	10.0	12.4	16.5	10.0	12.4	374.8	422.9	443.8	465.6	526.0	548.3	606.2
脚钉	6.8级	M16X180				2.9	2.0	2.0	3.3	3.9	3.3		2.3					1.0	1.6	2.6		1.0	1.6	1.3	2.3	2.9	3.9	4.6	5.2	1.0	1.6	2.6	2.9	3.9	4.6	1.0	2.0	2.6	6.9	9.2	10.2	10.2	14.1	14.1	17.4
		M20X200				0.6	1.9	1.9	1.9	1.2	3.1	1.2	2.5	0.6	0.6	1.2	1.2				0.6	0.6	0.6							0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	5.6	6.9	6.9	6.9	8.7	8.7	10.6
		小 计				3.5	3.9	3.9	5.2	5.1	6.4	1.2	4.8	0.6	0.6	1.2	1.2	1.0	1.6	2.6	0.6	1.6	2.2	1.3	2.3	2.9	3.9	4.6	5.2	1.6	2.2	3.2	3.5	4.5	5.2	1.6	2.6	3.2	12.5	16.1	17.1	17.1	22.8	22.8	28.0
垫圈	Q235	−3(ø17.5)	0.1	0.1	0.1	0.5	0.1	0.1										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
		−3(ø22)																																		0.1										
		−4(ø22)					0.4																																0.4	0.4	0.4	0.4	0.4	0.4	0.4
		小 计	0.1	0.1	0.1	0.5	0.5	0.1										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4
合 计 (kg)			155.5	117.5	421.6	702.4	786.9	1020.6	1097.5	1222.6	1644.3	372.3	979.3	255.4	602.4	356.0	634.8	182.7	213.6	254.7	167.5	196.5	245.7	236.0	276.6	334.8	291.8	337.0	386.3	237.1	289.3	341.4	315.3	368.4	425.1	287.6	325.7	384.1	3576.8	4183.8	4557.4	4904.4	5880.6	6159.4	7168.9

各呼称高塔段组合表(弯脚式)
本体及等长接腿重量合计表

呼称高(m)	12.0				15.0				18.0				21.0				24.0				27.0				30.0			
基本塔身段号	①～⑥⑩				①～⑥⑪				①～⑦⑫				①～⑦⑬				①～⑧⑭				①～⑧⑮				①～⑨			
	接腿	段号		重量	接腿	段号		重量	接腿	段号		重量	接腿	段号		重量	接腿	段号		重量	接腿	段号		重量	接腿	段号		重量
	12.0−2.0m	⑯×4		4307.6	15.0−2.0m	⑱×4		4853.8	18.0−2.0m	㉒×4		5501.4	21.0−2.0m	㉕×4		6071.6	24.0−2.0m	㉘×4		6829.0	27.0−2.0m	㉛×4		7420.6	30.0−2.0m	㉞×4		8319.3
	12.0−1.0m	⑰×4		4431.2	15.0−1.0m	⑳×4		4969.8	18.0−1.0m	㉓×4		5663.8	21.0−1.0m	㉖×4		6252.4	24.0−1.0m	㉙×4		7037.8	27.0−1.0m	㉜×4		7633.0	30.0−1.0m	㉟×4		8471.7
	12.0−0.0m	⑱×4		4595.6	15.0−0.0m	㉑×4		5166.6	18.0−0.0m	㉔×4		5896.6	21.0−0.0m	㉗×4		6449.6	24.0−0.0m	㉚×4		7246.2	27.0−0.0m	㉝×4		7859.8	30.0−0.0m	㊱×4		8705.3

1C1W9−J1单回路转角塔
总图及材料汇总表(二)

图号　1C1W9−J1−01(2/3)