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材 料 汇 总 表(塔脚式)

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	37	基本塔身(m) 8.5	11.3	12.9	16.0	19.2	21.4	23.2
角钢	Q420	L140X10									545.1								69.0	90.7	112.4	134.0	155.7	177.3	76.6	98.3	119.9	141.6	163.2	184.9	70.1	91.8	113.4	135.1	156.8	178.4	200.1	221.7	243.4					545.1	545.1	545.1
		L125X8									39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1																						39.1	39.1	39.1	39.1	78.2	78.2	78.2
		小 计									584.2	39.1	39.1	39.1	39.1	39.1	39.1	39.1	69.0	90.7	112.4	134.0	155.7	177.3	76.6	98.3	119.9	141.6	163.2	184.9	70.1	91.8	113.4	135.1	156.8	178.4	200.1	221.7	243.4	39.1	39.1	39.1	39.1	623.3	623.3	623.3
	Q345	L125X10							326.3	435.2																														326.3	326.3	761.5	761.5	761.5	761.5	761.5
		L110X8					33.0	30.3	34.1																															63.3	63.3	97.4	97.4	97.4	97.4	97.4
		L100X8					206.4																																	206.4	206.4	206.4	206.4	206.4	206.4	206.4
		L90X7				187.2																																		187.2	187.2	187.2	187.2	187.2	187.2	187.2
		L80X6																	29.0	40.4	52.4	34.0	45.2	57.4	51.4	63.8	76.4	53.2	65.2	77.8	53.8	65.4	77.8	65.0	77.2	89.8	81.2	93.6	106.6							
		L75X6			47.9	9.7	42.6	6.8																																107.0	107.0	107.0	107.0	107.0	107.0	107.0
		L75X5	14.6																																					14.6	14.6	14.6	14.6	14.6	14.6	14.6
		L70X6	3.8		37.5	80.5		6.4				337.2																												128.2	128.2	128.2	128.2	128.2	128.2	465.4
		L70X5	32.8					108.5	310.1		476.6			183.4		218.6		141.2																						451.4	634.8	451.4	670.0	928.0	1069.2	928.0
		L63X5	18.0	38.2			13.3	47.6	89.2	440.4		233.6	98.5	115.0	89.7	164.3	92.8	219.8																						304.8	321.3	736.4	811.0	739.5	866.5	880.3
		小 计	69.2	38.2	85.4	90.2	243.1	408.7	755.9	909.7	476.6	570.8	98.5	298.4	89.7	382.9	92.8	361.0	29.0	40.4	52.4	34.0	45.2	57.4	51.4	63.8	76.4	53.2	65.2	77.8	53.8	65.4	77.8	65.0	77.2	89.8	81.2	93.6	106.6	1789.2	1989.1	2690.1	2983.3	3169.8	3438.0	3647.8
	Q235	L56X5		3.2	12.4			116.2					58.0	64.6	47.0																										189.8	196.4	178.8	131.8	131.8	131.8	131.8
		L56X4					207.5	9.6									78.8																									217.1	217.1	217.1	217.1	295.9	217.1	217.1
		L50X5																																				16.6	17.6								
		L50X4			9.6	7.2	20.4	12.9	16.9	12.4			10.1	11.7														16.3			17.6	19.1	11.8	31.7	45.6	37.1	25.7	38.6			77.1	78.7	79.4	79.4	79.4	79.4	79.4
		L45X4	13.4	13.4		15.8						135.7						67.9						13.4			18.3		34.3	20.3	15.7	19.6	29.3	10.3		29.2	24.4	19.0	55.5	42.6	42.6	42.6	42.6	42.6	110.5	178.3
		L40X4				5.8	9.9	10.1	8.1	112.2	25.9				12.3	14.1	10.4	11.4					7.4	13.9	8.4	15.0		14.1		13.6	6.4		14.7		8.6			7.8	14.3	25.8	25.8	46.2	48.0	156.5	157.5	172.0
		L40X3	12.0	12.0	16.7	27.6		6.1	38.0	109.2	63.5		21.2	77.8		63.2			14.6	17.2	30.8	17.2	14.0	24.2	6.3	26.4	41.7	2.8	18.1	34.1	5.2	23.8	27.6	24.4	20.8	31.1	12.2	26.6	39.8	133.6	190.2	221.6	284.8	285.1	285.1	285.1
		小 计	25.4	28.6	38.7	50.6	233.7	154.7	65.0	129.7	175.7	161.6	89.3	154.1	59.3	77.3	89.2	79.3	14.6	17.2	30.8	17.2	21.4	38.1	28.1	41.4	60.0	33.2	52.4	68.0	44.9	62.5	83.4	66.4	75.0	97.4	87.6	108.6	127.2	686.0	750.8	785.7	803.7	991.3	981.4	1063.7
钢板	Q420	−12																	42.9	42.9	42.9	41.8	42.9	42.9	41.8	42.9	42.9	41.5	41.5	41.4	41.7	41.5	41.5	41.7	41.6	41.6	42.9	41.5	42.9							
		−10									47.4	45.5	47.4	47.4	47.4	49.4	41.5	41.5																						47.4	47.4	47.4	49.4	88.9	88.9	92.9
		小 计									47.4	45.5	47.4	47.4	47.4	49.4	41.5	41.5	42.9	42.9	42.9	41.8	42.9	42.9	41.8	42.9	42.9	41.5	41.5	41.4	41.7	41.5	41.5	41.7	41.6	41.6	42.9	41.5	42.9	47.4	47.4	47.4	49.4	88.9	88.9	92.9
	Q345	−6	12.6	9.2			70.3	6.6	45.6	49.9			54.4	52.0	25.2	34.3	24.9																							198.7	196.3	219.4	228.5	219.1	194.2	194.2
		−8			14.0	13.6	33.0	97.6	99.2	36.4		68.8	27.0	37.9	20.8	20.5	21.7	41.6	3.2	3.2	4.7	3.2	3.2	4.7	3.6	4.7	4.7	3.5	4.3	4.3	3.2	3.6	4.3	3.5	4.1	4.3	3.2	4.0	4.7	284.4	295.3	314.6	314.3	315.5	335.4	362.6
		−18	26.0	24.6																																				50.6	50.6	50.6	50.6	50.6	50.6	50.6
		−20					67.0																																	67.0	67.0	67.0	67.0	67.0	67.0	67.0
		−22			42.0	44.8																																		86.8	86.8	86.8	86.8	86.8	86.8	86.8
		−30																	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5							
		小 计	38.6	33.8	56.0	58.4	170.3	104.2	144.8	86.3		68.8	81.4	89.9	46.0	54.8	46.6	41.6	46.7	46.7	48.2	46.7	46.7	48.2	47.1	48.2	48.2	47.0	47.8	47.8	46.7	47.1	47.8	47.0	47.6	47.8	46.7	47.5	48.2	687.5	696.0	738.4	747.2	739.0	734.0	761.2
	Q235	−2							1.8																															1.8	1.8	1.8	1.8	1.8	1.8	1.8
		−6	3.2	3.2	3.9	2.1	55.3	44.3		6.9		7.6	7.4	7.2	7.2	7.6	7.6	35.3	5.2	5.0	7.4	5.2	4.8	7.4	5.2	7.4	10.4	5.2	7.4	10.2	5.4	7.2	10.2	7.2	7.6	10.4	7.6	10.4	12.2	119.4	119.2	126.1	126.5	126.5	154.2	126.5
		−8	0.2	0.2		0.2		0.6																																1.2	1.2	1.2	1.2	1.2	1.2	1.2
		−10					4.8	1.9	9.1	1.1	2.2																														15.8	15.8	16.9	16.9	19.1	19.1	19.1
		−12							1.4																																1.4	1.4	1.4	1.4	1.4	1.4	1.4
		−14	0.3	0.3	0.3																																			0.9	0.9	0.9	0.9	0.9	0.9	0.9
		−16			0.3	0.3			3.6																																4.2	4.2	4.2	4.2	4.2	4.2	4.2
		小 计	3.7	3.7	4.5	2.6	60.1	46.8	15.9	8.0	2.2	7.6	7.4	7.2	7.2	7.6	7.6	35.3	5.2	5.0	7.4	5.2	4.8	7.4	5.2	7.4	10.4	5.2	7.4	10.2	5.4	7.2	10.2	7.2	7.6	10.4	7.6	10.4	12.2	144.7	144.5	152.5	152.9	155.1	182.8	155.1
螺栓	6.8级	M16X40	2.5	2.5	2.5	3.0	26.5	16.0	5.2	12.1	8.1	7.5	8.1	11.5	6.3	9.2	6.4	8.1	2.5	2.5	4.0	2.5	2.2	3.7	2.6	3.7	5.6	2.3	3.6	5.5	2.6	4.2	6.1	4.2	3.9	5.9	3.7	5.6	7.2	66.3	69.7	76.6	79.5	84.8	86.5	85.9
		M16X50	1.0	1.0	0.6	1.0	15.9	6.9	2.7	4.5	3.8	4.5	3.5	5.1					0.3	0.3	0.6	0.3	0.6	1.0	0.2	1.0	1.4	0.5	1.1	1.6	0.5	1.1	1.6	1.1	1.4	1.8	1.6	2.1	2.4	32.6	34.2	33.6	33.6	37.4	37.4	41.9
		M16X60			0.2	0.2		0.7																																1.1	1.1	1.1	1.1	1.1	1.1	1.1
		M16X50(双帽)					3.0																																	3.0	3.0	3.0	3.0	3.0	3.0	3.0
		M16X60(双帽)	0.8	0.8																																				1.6	1.6	1.6	1.6	1.6	1.6	1.6
		M16X70(双帽)		0.9	0.9	0.9																																		2.7	2.7	2.7	2.7	2.7	2.7	2.7
		小 计	4.3	5.2	4.2	5.1	45.4	23.6	7.9	16.6	11.9	12.0	11.6	16.6	6.3	9.2	6.4	8.1	2.8	2.8	4.6	2.8	2.8	4.7	2.8	4.7	7.0	2.8	4.7	7.1	3.1	5.3	7.7	5.3	5.3	7.7	5.3	7.7	9.6	107.3	112.3	118.6	121.5	130.6	132.3	136.2
	6.8级	M20X45	8.6	4.3	5.4	5.4	25.9	23.8	17.3	18.4		24.8	14.0	18.4	16.2	23.8	16.2	24.8																						104.7	109.1	125.3	132.9	125.3	133.9	133.9
		M20X55	1.2				3.5	37.2	33.1	20.1	16.5	15.4	24.8	21.3	11.8	13.0	11.8	14.2	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.7	5.9	5.9	5.9	99.8	96.3	106.9	108.1	123.4	125.8	127.0
		M20X65							29.5	30.8	30.8	30.8	30.8	32.0	30.8	30.8	30.8	30.8																						60.3	61.5	91.1	91.1	121.9	121.9	121.9
		M20X60(双帽)					2.9																																	2.9	2.9	2.9	2.9	2.9	2.9	2.9
		M20X70(双帽)	3.9	2.3			1.5																																	7.7	7.7	7.7	7.7	7.7	7.7	7.7
		M20X80(双帽)			6.6	6.6	4.9																																	18.1	18.1	18.1	18.1	18.1	18.1	18.1
		小 计	13.7	6.6	12.0	12.0	38.7	61.0	79.9	69.3	47.3	71.0	69.6	71.7	58.8	67.6	58.8	69.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.7	5.9	5.9	5.9	293.5	295.6	352.0	360.8	399.3	410.3	411.5
		螺栓合计	18.0	11.8	16.2	17.1	84.1	84.6	87.8	85.9	59.2	83.0	81.2	88.3	65.1	76.8	65.2	77.9	8.7	8.7	10.5	8.7	8.7	10.6	8.7	10.6	12.9	8.7	10.6	13.0	9.0	11.2	13.6	11.2	11.2	12.4	11.2	13.6	15.5	400.8	407.9	470.6	482.3	529.9	542.6	547.7
脚钉	6.8级	M16X180					2.9	2.3	2.3	3.9	4.2								0.7	1.3	2.0	2.9	3.6	4.2	1.0	2.0	2.6	3.6	4.2	4.9	1.0	2.0	2.6	2.9	3.9	4.6	5.5	6.2	6.8	7.5	7.5	11.4	11.4	15.6	15.6	15.6
		M20X200					0.6	1.9	1.9	1.2	0.6	1.2	1.2	1.2	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6				0.6	0.6	0.6				5.6	5.6	6.2	6.2	7.4	7.4	7.4
		小 计					3.5	4.2	4.2	5.1	4.8	1.2	1.2	1.2	0.6	0.6	1.2	1.2	1.9	2.5	3.2	4.1	4.8	5.4	1.6	2.6	3.2	4.2	4.8	5.5	1.0	2.0	2.6	3.5	4.5	5.2	5.5	6.2	6.8	13.1	13.1	17.6	17.6	23.0	23.0	23.0
垫圈	Q235	−3(ø17.5)	0.1	0.1	0.1	0.1	0.4	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	0.9	0.9	0.9	0.9	0.9	0.9	0.9
		−4(ø22)						0.3		0.2	0.2																														0.3	0.3	0.3	0.3	0.5	0.5	0.7
		小 计	0.1	0.1	0.1	0.1	0.4	0.4			0.2	0.2							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	1.2	1.2	1.2	1.2	1.4	1.4	1.6
合计(kg)			155.0	116.2	200.9	219.0	795.2	803.6	1073.6	1224.7	1350.3	977.8	445.5	725.6	354.4	688.5	383.2	676.9	218.1	254.2	307.9	291.8	330.3	387.4	260.6	315.3	374.0	334.7	393.0	448.7	272.7	328.8	390.4	377.2	421.6	483.1	482.9	543.2	602.9	3809.0	4089.1	4942.6	5276.7	6321.7	6615.4	6916.3

各呼称高塔段组合表(塔脚式)
(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	①～⑦⑪			①～⑦⑫			①～⑧⑬			①～⑧⑭			①～⑨⑮			①～⑨⑯			①～⑩		
	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	⑰X4	4681.4	15.0−2.0m	⑳X4	5256.3	18.0−2.0m	㉓X4	5985.0	21.0−2.0m	㉖X4	6615.5	24.0−2.0m	㉙X4	7412.5	27.0−2.0m	㉜X4	8124.2	30.0−2.0m	㉟X4	8847.9
	12.0−1.0m	⑱X4	4825.8	15.0−1.0m	㉑X4	5410.3	18.0−1.0m	㉔X4	6203.8	21.0−1.0m	㉗X4	6848.7	24.0−1.0m	㉚X4	7636.9	27.0−1.0m	㉝X4	8301.8	30.0−1.0m	㊱X4	9089.1
	12.0−0.0m	⑲X4	5040.6	15.0−0.0m	㉒X4	5638.7	18.0−0.0m	㉕X4	6438.6	21.0−0.0m	㉘X4	7071.5	24.0−0.0m	㉛X4	7883.3	27.0−0.0m	㉞X4	8547.8	30.0−0.0m	㊲X4	9327.9

1C1W9-J2单回路转角塔

总图及材料汇总表(二)

图号 1C1W9-J2-01(2/3)