材　料　汇　总　表(座板式)

材料	材质	规格	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	39.0	42.0	45.0	48.0	51.0
			段号																						呼称高(m)				
角钢	Q345	L140X10											344.8	604.1	85.2	106.8	128.4	150.0	171.6									344.8	604.1
		L125X10					51.3	591.9	614.9	230.1	461.1	691.9								75.9	95.1	114.3	133.6	152.8	873.3	1104.3	1335.1	1258.1	1258.1
		L125X8					373.6						39.1	39.1											373.6	373.6	373.6	412.7	412.7
		L110X8	23.3	46.5		362.4		36.3	36.3	70.4	72.6	72.6	28.7	36.3											538.9	541.1	541.1	533.5	541.1
		L100X7			264.8																				264.8	264.8	264.8	264.8	264.8
		L90X7		340.4	80.2																				420.6	420.6	420.6	420.6	420.6
		L80X7		160.6																					160.6	160.6	160.6	160.6	160.6
		L75X6	19.2	64.6																					83.8	83.8	83.8	83.8	83.8
		L70X5	157.6	174.0																					331.6	331.6	331.6	331.6	331.6
		L63X5	30.0	129.1																					159.1	159.1	159.1	159.1	159.1
		小计	230.1	915.2	345.0	362.4	424.9	628.2	651.2	300.5	533.7	764.5	412.6	679.5	85.2	106.8	128.4	150.0	171.6	75.9	95.1	114.3	133.6	152.8	3206.3	3439.5	3670.3	3969.6	4236.5
	Q235	L100X8												54.0															54.0
		L90X7												723.5															723.5
		L80X6							481.2	239.4		488.0	246.4												239.4		488.0	727.6	481.2
		L75X6														76.2					74.4								
		L75X5							355.2		362.2	291.4	108.7	353.2	55.2		73.8	83.8	93.8	53.0		72.8	82.8	93.2		362.2	291.4	463.9	708.4
		L70X5			71.4			586.2			155.7	266.4	285.2	241.4											657.6	813.3	924.0	942.8	899.0
		L63X5					177.6				180.1		126.0	234.6		39.6		26.0	26.0						177.6	357.7	177.6	303.6	412.2
		L56X5	21.8				270.4					85.4													292.2	292.2	377.6	292.2	292.2
		L56X4		132.8	212.4	262.6	72.4		64.8	88.0	387.7	265.9	193.5	159.6	27.3	15.8	46.5	15.8	31.9	25.7	26.6	43.6	17.2	32.9	768.2	1067.9	946.1	938.5	904.6
		L50X5	16.2																						16.2	16.2	16.2	16.2	16.2
		L50X4	70.8	164.7	18.4			111.3	199.5	169.4	120.7	281.6	260.2	314.5	26.5	13.7	26.2	53.1	41.6	12.8	26.0	12.7	63.6	52.6	534.6	485.9	646.8	824.9	879.2
		L45X4	79.2	8.7			17.3	66.6	111.0	37.0	125.9	166.9	37.9	38.1	18.5	29.3	26.9	19.6	20.4	14.4	27.9	36.3	18.6	19.4	208.8	297.7	338.7	320.7	320.9
		L40X4	50.8	29.8						30.2		26.3	25.4		13.1	5.6	10.0	13.2	14.0	7.2		9.7	6.2	13.5	110.8	80.6	106.9	106.0	80.6
		L40X3	52.3	137.9	127.6	119.0	102.2	70.8		25.9	33.2	33.0	35.1	36.7	4.8	6.0	17.4	30.4	31.8	18.1	10.0	16.7	34.2	30.7	635.7	643.0	642.8	644.9	646.5
		小计	291.1	473.9	429.8	381.6	639.9	834.9	1211.7	589.9	1365.5	1904.9	1318.4	2155.6	145.4	186.2	200.8	241.9	259.5	131.2	164.9	191.8	222.6	242.3	3641.1	4416.7	4956.1	5581.3	6418.5
钢板	Q345	−6	33.9	42.6																					76.5	76.5	76.5	76.5	76.5
		−8	95.6	387.2	104.4			35.4	35.4	68.6	70.7	70.7	28.0	35.4	3.6	3.6	3.9	3.5	5.1	3.6	3.6	3.9	4.2	4.4	691.2	693.3	693.3	686.0	693.4
		−10	9.2	28.5									45.5	45.5	20.3	20.3	20.3	20.3	20.3	21.5	21.5	21.5	21.5	21.5	37.7	37.7	37.7	83.2	83.2
		−28													33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4					
		小计	138.7	458.3	104.4			35.4	35.4	68.6	70.7	70.7	73.5	80.9	57.3	57.3	57.6	57.2	58.8	58.5	58.5	58.8	59.1	59.3	805.4	807.5	807.5	845.7	853.1
	Q235	−2						2.2																	2.2	2.2	2.2	2.2	2.2
		−5	105.1	59.6	9.9		10.7			27.2	28.0	44.4	30.5	30.2	5.8	2.2	8.4	10.0	10.0	6.2	6.2	7.8	10.8	10.6	212.5	213.3	229.7	215.8	215.5
		−6	33.4	1.9	30.5		36.7	16.3			114.4	105.0	43.7	36.0		5.0									118.8	233.2	223.8	162.5	154.8
		−8	1.9	0.3		1.3	0.6			56.1		25.8	122.0	90.8											60.2	4.1	29.9	126.1	94.9
		−10	1.8	2.0	0.8			1.1	2.2					1.1											5.7	5.7	5.7	7.9	9.0
		−12		2.4	1.0			1.4																	4.8	4.8	4.8	4.8	4.8
		−14										1.6															1.6		
		小计	142.2	66.2	42.2	1.3	48.0	21.0	2.2	83.3	142.4	176.8	196.2	158.1	5.8	7.2	8.4	10.0	10.0	6.2	6.2	7.8	10.8	10.6	404.2	463.3	497.7	519.3	481.2
螺栓	6.8级	M16X40	76.0	49.6	13.4	6.9	16.7	8.1	6.9	12.1	30.0	34.0	27.1	22.5	4.6	2.6	6.5	8.9	8.9	4.8	4.6	6.5	8.9	8.9	182.8	200.7	204.7	204.7	200.1
		M16X50	16.0	18.6	14.9	6.4	4.5	5.1	7.7	7.0	9.0	16.0	7.0	9.6	1.3	1.4	1.9	2.4	2.4	1.4	1.3	1.9	2.7	2.7	72.5	74.5	81.5	80.2	82.8
		M16X50(带双帽)	0.4																						0.4	0.4	0.4	0.4	0.4
		M16X60(带双帽)	1.2	0.8																					2.0	2.0	2.0	2.0	2.0
		小计	93.6	69.0	28.3	13.3	21.2	13.2	14.6	19.1	39.0	50.0	34.1	32.1	5.9	4.0	8.4	11.3	11.3	6.2	5.9	8.4	11.6	11.6	257.7	277.6	288.6	287.3	285.3
	6.8级	M20X45	41.1	101.6	48.6		14.0			8.6	28.1	30.3	34.6	79.9	2.2	4.3	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	213.9	233.4	235.6	239.9	285.2
		M20X55	2.3	15.4		18.9	18.9	11.8	7.1	7.1	10.6	9.4	14.2	10.6	3.5	4.7	3.5	3.5	3.5	3.0	3.0	3.0	3.0	3.0	74.4	77.9	76.7	88.6	85.0
		M20X65		15.9				25.6	25.6	56.4	51.3	52.6	56.4	56.4											97.9	92.8	94.1	123.5	123.5
		M20X60(带双帽)	6.5	4.3																					10.8	10.8	10.8	10.8	10.8
		M20X70(带双帽)	6.2	4.6																					10.8	10.8	10.8	10.8	10.8
		小计	56.1	141.8	48.6	18.9	32.9	37.4	32.7	72.1	90.0	92.3	105.2	146.9	5.7	9.0	5.7	6.7	6.7	5.2	5.2	5.2	5.2	5.2	407.8	425.7	428.0	473.6	515.3
		螺栓合计	149.7	210.8	76.9	32.2	54.1	50.6	47.3	91.2	129.0	142.3	139.3	179.0	11.6	13.0	14.1	18.0	18.0	11.4	11.1	13.6	16.8	16.8	665.5	703.3	716.6	760.9	800.6
脚钉	6.8级	M16X180		10.0	4.2	3.9	3.9	5.2	5.2	2.0	3.6	6.2	2.0	4.9	2.0	2.6	3.6	4.2	4.9	2.0	2.3	3.3	3.9	4.9	29.2	30.8	33.4	34.4	37.3
		M20X200		3.9		1.2	0.6	1.2	1.2	1.2	2.5	2.5	1.9	1.9							0.6				8.1	9.4	9.4	10.0	10.0
		小计		13.9	4.2	5.1	4.5	6.4	6.4	3.2	6.1	8.7	3.9	6.8	2.0	2.6	3.6	4.2	4.9	2.0	2.9	3.3	3.9	4.9	37.3	40.2	42.8	44.4	47.3
垫圈	Q235	−3(ø17.5)	0.5	0.7													0.1	0.1	0.1			0.1	0.1	0.1	1.2	1.2	1.2	1.2	1.2
		−3(ø22)		0.5																					0.5	0.5	0.5	0.5	0.5
		−4(ø22)	0.1								0.2														0.1	0.3	0.1	0.1	0.1
		小计	0.6	1.2							0.2						0.1	0.1	0.1			0.1	0.1	0.1	1.8	2.0	1.8	1.8	1.8
合计(kg)			952.4	2139.5	1002.5	782.6	1171.4	1576.5	1954.2	1136.7	2247.6	3067.9	2143.9	3259.9	307.3	373.1	413.0	481.4	522.9	285.2	338.7	389.7	446.9	486.8	8761.6	9872.5	10692.8	11723.0	12839.0

材　料　汇　总　表(插入式)

材料	材质	规格	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	39.0	42.0	45.0	48.0	51.0
			段号																						呼称高(m)				
角钢	Q345	L140X10											344.8	604.1	66.8	88.4	110.0	131.6	153.2									344.8	604.1
		L125X10					51.3	591.9	614.9	230.1	461.1	691.9								59.5	78.7	98.0	117.2	136.4	873.3	1104.3	1335.1	1258.1	1258.1
		L125X8					373.6						39.1	39.1	9.8	9.8	9.8	9.8	9.8						373.6	373.6	373.6	412.7	412.7
		L110X8	23.3	46.5		362.4		36.3	36.3	70.4	72.6	72.6	28.7	36.3						9.1	9.1	9.1	9.1	9.1	538.9	541.1	541.1	533.5	541.1
		L100X7			264.8																				264.8	264.8	264.8	264.8	264.8
		L90X7		340.4	80.2																				420.6	420.6	420.6	420.6	420.6
		L80X7		160.6																					160.6	160.6	160.6	160.6	160.6
		L75X6	19.2	64.6																					83.8	83.8	83.8	83.8	83.8
		L70X5	157.6	174.0																					331.6	331.6	331.6	331.6	331.6
		L63X5	30.0	129.1																					159.1	159.1	159.1	159.1	159.1
		小计	230.1	915.2	345.0	362.4	424.9	628.2	651.2	300.5	533.7	764.5	412.6	679.5	76.6	98.2	119.8	141.4	163.0	68.6	87.8	107.1	126.3	145.5	3206.3	3439.5	3670.3	3969.6	4236.5
	Q235	L100X8												54.0															54.0
		L90X7												723.5															723.5
		L80X6							481.2	239.4		488.0	246.4												239.4		488.0	727.6	481.2
		L75X6														76.2													
		L75X5							355.2		362.2	291.4	108.7	353.2	55.2		73.8	83.8	93.8	53.0	62.8	72.8	82.8	93.2		362.2	291.4	463.9	708.4
		L70X5			71.4			586.2			155.7	266.4	285.2	241.4											657.6	813.3	924.0	942.8	899.0
		L63X5					177.6				180.1		126.0	234.6		39.6		26.0	26.0						177.6	357.7	177.6	303.6	412.2
		L56X5	21.8				270.4					85.4													292.2	292.2	377.6	292.2	292.2
		L56X4		132.8	212.4	262.6	72.4		64.8	88.0	387.7	265.9	193.5	159.6	27.3	15.8	46.5	15.8	31.9	25.7	26.6	43.6	17.2	32.9	768.2	1067.9	946.1	938.5	904.6
		L50X5	16.2																						16.2	16.2	16.2	16.2	16.2
		L50X4	70.8	164.7	18.4			111.3	199.5	169.4	120.7	281.6	260.2	314.5	26.5	13.7	26.2	53.1	41.6	12.8	26.0	12.7	63.6	52.6	534.6	485.9	646.8	824.9	879.2
		L45X4	79.2	8.7			17.3	66.6	111.0	37.0	125.9	166.9	37.9	38.1	18.5	29.3	26.9	19.6	20.4	14.4	27.9	36.3	18.6	19.4	208.8	297.7	338.7	320.7	320.9
		L40X4	50.8	29.8						30.2		26.3	25.4		12.5	5.6	10.0	13.2	14.0	7.2		9.7	6.2	13.5	110.8	80.6	106.9	106.0	80.6
		L40X3	52.3	137.9	127.6	119.0	102.2	70.8		25.9	33.2	33.0	35.1	36.7	4.8	6.0	17.4	30.4	31.8	17.7	10.0	16.7	34.2	30.7	635.7	643.0	642.8	644.9	646.5
		小计	291.1	473.9	429.8	381.6	639.9	834.9	1211.7	589.9	1365.5	1904.9	1318.4	2155.6	144.8	186.2	200.8	241.9	259.5	130.8	153.3	191.8	222.6	242.3	3641.1	4416.7	4956.1	5581.3	6418.5
钢板	Q345	−6	33.9	42.6																					76.5	76.5	76.5	76.5	76.5
		−8	95.6	387.2	104.4			35.4	35.4	68.6	70.7	70.7	28.0	35.4						14.8	8.8	8.8	8.8	8.8	691.2	693.3	693.3	686.0	693.4
		−10	9.2	28.5									45.5	45.5	18.4	11.4	11.4	11.4	11.4						37.7	37.7	37.7	83.2	83.2
		小计	138.7	458.3	104.4			35.4	35.4	68.6	70.7	70.7	73.5	80.9	18.4	11.4	11.4	11.4	11.4	14.8	8.8	8.8	8.8	8.8	805.4	807.5	807.5	845.7	853.1
	Q235	−2						2.2																	2.2	2.2	2.2	2.2	2.2
		−5	105.1	59.6	9.9		10.7			27.2	28.0	44.4	30.5	30.2	5.8	2.2	8.4	10.0	10.0	6.2	6.2	7.8	10.8	10.6	212.5	213.3	229.7	215.8	215.5
		−6	33.4	1.9	30.5		36.7	16.3			114.4	105.0	43.7	36.0	4.6	5.0	7.8	8.8	9.2	8.2	5.8	6.2	6.2	6.6	118.8	233.2	223.8	162.5	154.8
		−8	1.9	0.3		1.3	0.6			56.1		25.8	122.0	90.8		10.0									60.2	4.1	29.9	126.1	94.9
		−10	1.8	2.0	0.8			1.1	2.2					1.1											5.7	5.7	5.7	7.9	9.0
		−12		2.4	1.0			1.4																	4.8	4.8	4.8	4.8	4.8
		−14										1.6															1.6		
		小计	142.2	66.2	42.2	1.3	48.0	21.0	2.2	83.3	142.4	176.8	196.2	158.1	10.4	17.2	16.2	18.8	19.2	14.4	12.0	14.0	17.0	17.2	404.2	463.3	497.7	519.3	481.2
螺栓	6.8级	M16X40	76.0	49.6	13.4	6.9	16.7	8.1	6.9	12.1	30.0	34.0	27.1	22.5	4.6	2.6	6.5	8.9	8.9	4.5	4.6	6.5	8.9	8.9	182.8	200.7	204.7	204.7	200.1
		M16X50	16.0	18.6	14.9	6.4	4.5	5.1	7.7	7.0	9.0	16.0	7.0	9.6	1.3	1.4	1.9	2.4	2.4	1.1	1.3	1.9	2.7	2.7	72.5	74.5	81.5	80.2	82.8
		M16X50(带双帽)	0.4																						0.4	0.4	0.4	0.4	0.4
		M16X60(带双帽)	1.2	0.8																					2.0	2.0	2.0	2.0	2.0
		小计	93.6	69.0	28.3	13.3	21.2	13.2	14.6	19.1	39.0	50.0	34.1	32.1	5.9	4.0	8.4	11.3	11.3	5.6	5.9	8.4	11.6	11.6	257.7	277.6	288.6	287.3	285.3
	6.8级	M20X45	41.1	101.6	48.6		14.0			8.6	28.1	30.3	34.6	79.9	2.2	5.4	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	213.9	233.4	235.6	239.9	285.2
		M20X55	2.3	15.4		18.9	18.9	11.8	7.1	7.1	10.6	9.4	14.2	10.6	1.8	3.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	74.4	77.9	76.7	88.6	85.0
		M20X65		15.9				25.6	25.6	56.4	51.3	52.6	56.4	56.4	7.7	7.7	7.7	7.7	7.7	6.4	6.4	6.4	6.4	6.4	97.9	92.8	94.1	123.5	123.5
		M20X60(带双帽)	6.5	4.3																					10.8	10.8	10.8	10.8	10.8
		M20X70(带双帽)	6.2	4.6																					10.8	10.8	10.8	10.8	10.8
		小计	56.1	141.8	48.6	18.9	32.9	37.4	32.7	72.1	90.0	92.3	105.2	146.9	11.7	16.3	11.7	12.7	12.7	10.4	10.4	10.4	10.4	10.4	407.8	425.7	428.0	473.6	515.3
		螺栓合计	149.7	210.8	76.9	32.2	54.1	50.6	47.3	91.2	129.0	142.3	139.3	179.0	17.6	20.3	20.1	24.0	24.0	16.0	16.3	18.8	22.0	22.0	665.5	703.3	716.6	760.9	800.6
脚钉	6.8级	M16X180		10.0	4.2	3.9	3.9	5.2	5.2	2.0	3.6	6.2	2.0	4.9	2.0	2.6	3.6	4.2	4.9	2.0	2.3	3.3	3.9	4.9	29.2	30.8	33.4	34.4	37.3
		M20X200		3.9		1.2	0.6	1.2	1.2	1.2	2.5	2.5	1.9	1.9											8.1	9.4	9.4	10.0	10.0
		小计		13.9	4.2	5.1	4.5	6.4	6.4	3.2	6.1	8.7	3.9	6.8	2.0	2.6	3.6	4.2	4.9	2.0	2.3	3.3	3.9	4.9	37.3	40.2	42.8	44.4	47.3
垫圈	Q235	−3(ø17.5)	0.5	0.7													0.1	0.1	0.1			0.1	0.1	0.1	1.2	1.2	1.2	1.2	1.2
		−3(ø22)		0.5																					0.5	0.5	0.5	0.5	0.5
		−4(ø22)	0.1								0.2														0.1	0.3	0.1	0.1	0.1
		小计	0.6	1.2							0.2						0.1	0.1	0.1			0.1	0.1	0.1	1.8	2.0	1.8	1.8	1.8
合计(kg)			952.4	2139.5	1002.5	782.6	1171.4	1576.5	1954.2	1136.7	2247.6	3067.9	2143.9	3259.9	269.8	335.9	372.0	441.8	482.1	246.6	280.5	343.9	400.7	440.8	8761.6	9872.5	10692.8	11723.0	12839.0

材　料　汇　总　表(座板式)

(本体及等长接腿重量合计表)

呼称高(m)	39.0		呼称高(m)	42.0		呼称高(m)	45.0		呼称高(m)	48.0		呼称高(m)	51.0	
本体	本体段号	重量	本体	本体段号	重量	本体	本体段号	重量	本体	本体段号	重量	本体	本体段号	重量
	①~⑥⑧	8761.6		①~⑥⑨	9872.5		①~⑥⑩	10692.8		①~⑥⑦⑪	11723.0		①~⑥⑦⑫	12839.0
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
3.5m	⑬X4	9990.8	3.5m	⑱X4	11013.3	3.5m	⑱X4	11833.6	3.5m	⑬X4	12952.2	3.5m	⑬X4	14068.2
4.5m	⑭X4	10254.0	4.5m	⑲X4	11227.3	4.5m	⑲X4	12047.6	4.5m	⑭X4	13215.4	4.5m	⑭X4	14331.4
5.5m	⑮X4	10413.6	5.5m	⑳X4	11431.3	5.5m	⑳X4	12251.6	5.5m	⑮X4	13375.0	5.5m	⑮X4	14491.0
6.5m	⑯X4	10687.2	6.5m	㉑X4	11660.1	6.5m	㉑X4	12480.4	6.5m	⑯X4	13648.6	6.5m	⑯X4	14764.6
7.5m	⑰X4	10853.2	7.5m	㉒X4	11819.7	7.5m	㉒X4	12640.0	7.5m	⑰X4	13814.6	7.5m	⑰X4	14930.6

材　料　汇　总　表(插入式)

(本体及等长接腿重量合计表)

呼称高(m)	39.0		呼称高(m)	42.0		呼称高(m)	45.0		呼称高(m)	48.0		呼称高(m)	51.0	
本体	本体段号	重量	本体	本体段号	重量	本体	本体段号	重量	本体	本体段号	重量	本体	本体段号	重量
	①~⑥⑧	8761.6		①~⑥⑨	9872.5		①~⑥⑩	10692.8		①~⑥⑦⑪	11723.0		①~⑥⑦⑫	12839.0
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
3.5m	⑬X4	9840.8	3.5m	⑱X4	10858.9	3.5m	⑱X4	11679.2	3.5m	⑬X4	12802.2	3.5m	⑬X4	13918.2
4.5m	⑭X4	10105.2	4.5m	⑲X4	10994.5	4.5m	⑲X4	11814.8	4.5m	⑭X4	13066.6	4.5m	⑭X4	14182.6
5.5m	⑮X4	10249.6	5.5m	⑳X4	11248.1	5.5m	⑳X4	12068.4	5.5m	⑮X4	13211.0	5.5m	⑮X4	14327.0
6.5m	⑯X4	10528.8	6.5m	㉑X4	11475.3	6.5m	㉑X4	12295.6	6.5m	⑯X4	13490.2	6.5m	⑯X4	14606.2
7.5m	⑰X4	10690.0	7.5m	㉒X4	11635.7	7.5m	㉒X4	12456.0	7.5m	⑰X4	13651.4	7.5m	⑰X4	14767.4

国家电网公司 STATE GRID CORPORATION OF CHINA			
110~500kV输电线路通用设计		施工图	版次
批准		2B3-ZMCK直线塔 材料汇总表	
审核			
校核			
设计			
CAD制图			
	比例	图号	2B3-ZMCK-01(2/2)