



| 构 件 明 细 表 | | | | | | 构 件 明 细 表 | | | | | |
|-----------|------------|-------------|-----|----------|------|-----------|-------------|-------------|-----|----------|------|
| 编 号 | 规 格 | 长 度 (mm) | 数 量 | 重 量 (kg) | 备 注 | 编 号 | 规 格 | 长 度 (mm) | 数 量 | 重 量 (kg) | 备 注 |
| 174 | L40X3 | 1170 | 4 | 217 | 8.7 | 101 | Q345L70X5 | 7614 | 8.7 | 48.78 | 48.8 |
| 175 | -5X2E3 | 226 | 4 | 1.98 | 7.9 | 102 | Q345L70X5 | 7614 | 1 | 48.78 | 48.8 |
| 176 | -5X210 | 223 | 4 | 1.84 | 7.4 | 103 | Q345L70X5 | 7420 | 1 | 40.05 | 40.0 |
| 177 | L45X4 | 1157 | 4 | 317 | 12.7 | 104 | Q345L70X5 | 7420 | 1 | 40.05 | 40.0 |
| 178 | -5X222 | 223 | 8 | 1.94 | 15.5 | 105 | Q345L63X5 | 1221 | 1 | 5.89 | 5.9 |
| 179 | L45X5 | 1050 | 4 | 354 | 14.1 | 106 | Q345L63X5 | 1221 | 1 | 5.89 | 5.9 |
| 180 | Q345-6X265 | 478 | 2 | 5.97 | 11.9 | 107 | Q345L63X5 | 1221 | 1 | 5.89 | 5.9 |
| 181 | Q345-6X265 | 478 | 2 | 5.97 | 11.9 | 108 | Q345L63X5 | 1221 | 1 | 5.89 | 5.9 |
| 182 | Q345-8X480 | 282 | 2 | 8.50 | 17.0 | 109 | L50X4 | 1315 | 2 | 4.02 | 8.0 |
| 183 | Q345-8X480 | 282 | 2 | 8.50 | 17.0 | 110 | L50X4 | 1315 | 2 | 4.02 | 8.0 |
| 184 | -5X210 | 190 | 2 | 1.57 | 3.1 | 111 | L45X4 | 910 | 4 | 2.49 | 10.0 |
| 185 | -5X210 | 190 | 2 | 1.57 | 3.1 | 112 | L45X4 | 1214 | 4 | 3.32 | 13.3 |
| 186 | Q345-6X180 | 300 | 4 | 2.54 | 10.2 | 113 | L45X4 | 1214 | 4 | 3.32 | 13.3 |
| 189 | L40X3 | 898 | 2 | 1.66 | 3.3 | 114 | L45X4 | 1387 | 4 | 3.80 | 15.2 |
| 190 | L40X3 | 686 | 2 | 1.27 | 2.5 | 115 | L45X4 | 1387 | 4 | 3.80 | 15.2 |
| 191 | L40X3 | 874 | 2 | 1.62 | 3.2 | 116 | L45X4 | 1277 | 4 | 3.50 | 14.0 |
| 192 | L40X3 | 335 | 2 | 0.62 | 1.2 | 117 | L45X4 | 1282 | 4 | 3.51 | 14.0 |
| 193 | L40X3 | 472 | 2 | 0.87 | 1.7 | 118 | L30X4 | 910 | 2 | 2.78 | 5.6 |
| 194 | -5X120 | 150 | 2 | 0.71 | 1.4 | 119 | L30X4 | 910 | 2 | 2.78 | 5.6 |
| 195 | -5X170 | 270 | 2 | 1.80 | 3.6 | 120 | L54X5 | 1221 | 4 | 5.19 | 20.8 |
| 196 | -5X170 | 270 | 2 | 1.80 | 3.6 | 121 | L63X5 | 1277 | 4 | 6.16 | 24.6 |
| 197 | L40X4 | 869 | 2 | 2.11 | 4.2 | 122 | Q345L75X6 | 905 | 2 | 6.25 | 12.5 |
| 198 | L40X4 | 869 | 2 | 2.11 | 4.2 | 123 | Q345L75X6 | 905 | 2 | 6.25 | 12.5 |
| 199 | L45X4 | 779 | 2 | 2.13 | 4.3 | 124 | L40X4 | 928 | 4 | 2.25 | 9.0 |
| 100 | L45X5 | 779 | 2 | 2.62 | 5.2 | 125 | L40X3 | 675 | 4 | 1.25 | 5.0 |
| 101 | -5X120 | 150 | 4 | 0.71 | 2.8 | 126 | L45X4 | 785 | 2 | 2.15 | 4.3 |
| 102 | -5X170 | 270 | 4 | 1.80 | 7.2 | 127 | L45X4 | 785 | 2 | 2.15 | 4.3 |
| 103 | -5X140 | 217 | 4 | 1.19 | 4.8 | 128 | Q345L70X5 | 770 | 2 | 3.71 | 7.4 |
| 104 | L40X3 | 425 | 2 | 0.79 | 1.6 | 129 | Q345L70X5 | 770 | 2 | 3.71 | 7.4 |
| 105 | L40X3 | 425 | 2 | 0.79 | 1.6 | 130 | -5X238 | 379 | 2 | 3.54 | 7.1 |
| 106 | L40X3 | 330 | 2 | 0.61 | 1.2 | 131 | -5X134 | 210 | 4 | 1.10 | 4.4 |
| 107 | L45X5 | 360 | 2 | 1.21 | 2.4 | 132 | -5X134 | 210 | 4 | 1.10 | 4.4 |
| 108 | L45X5 | 360 | 2 | 1.21 | 2.4 | 133 | Q345-8X380 | 419 | 2 | 10.00 | 20.0 |
| 109 | Q345L63X5 | 450 | 2 | 2.17 | 4.3 | 134 | Q345-8X380 | 419 | 2 | 10.00 | 20.0 |
| 110 | Q345L63X5 | 450 | 2 | 2.17 | 4.3 | 135 | Q345-8X390 | 554 | 2 | 13.57 | 27.1 |
| 111 | -5X190 | 230 | 4 | 1.72 | 6.9 | 136 | Q345-8X390 | 554 | 2 | 13.57 | 27.1 |
| 112 | Q345-6X210 | 288 | 4 | 2.85 | 11.4 | 137 | -5X238 | 381 | 2 | 3.56 | 7.1 |
| 113 | -6X50 | 50 | 8 | 0.12 | 0.9 | 138 | -5X132 | 210 | 4 | 1.10 | 4.4 |
| 114 | -10X50 | 50 | 8 | 0.20 | 1.6 | 139 | -5X133 | 210 | 4 | 1.10 | 4.4 |
| 115 | Q345-6X110 | 110 | 4 | 0.57 | 2.3 | 140 | -6X338 | 380 | 2 | 6.05 | 12.1 |
| 116 | L40X3 | 333 | 2 | 0.62 | 1.2 | 141 | -6X338 | 380 | 2 | 6.05 | 12.1 |
| | | | | | | 142 | Q345-8X332 | 410 | 2 | 8.55 | 17.1 |
| | | | | | | 143 | Q345-8X332 | 410 | 2 | 8.55 | 17.1 |
| | | | | | | 144 | Q345L25X8 | 860 | 2 | 13.33 | 26.7 |
| | | | | | | 145 | L40X4 | 1122 | 4 | 2.72 | 10.9 |
| | | | | | | 146 | L40X4 | 1245 | 4 | 3.02 | 12.1 |
| | | | | | | 147 | L40X4 | 1101 | 4 | 2.67 | 10.7 |
| | | | | | | 148 | L45X4 | 710 | 2 | 1.94 | 3.9 |
| | | | | | | 149 | L40X3 | 1150 | 4 | 2.13 | 8.5 |
| | | | | | | 150 | L40X3 | 710 | 2 | 1.31 | 2.6 |
| | | | | | | 151 | Q345-10X422 | 237 | 2 | 7.85 | 15.7 |
| | | | | | | 152 | -5X134 | 222 | 4 | 1.17 | 4.7 |
| | | | | | | 153 | -5X134 | 216 | 4 | 1.14 | 4.5 |
| | | | | | | 154 | -5X183 | 345 | 4 | 2.48 | 9.9 |
| | | | | | | 155 | -5X176 | 217 | 4 | 1.50 | 6.0 |
| | | | | | | 156 | L45X4 | 710 | 2 | 1.94 | 3.9 |
| | | | | | | 157 | L40X3 | 1127 | 4 | 2.09 | 8.3 |
| | | | | | | 158 | L40X4 | 1245 | 4 | 3.02 | 12.1 |
| | | | | | | 159 | L40X3 | 1101 | 4 | 2.04 | 8.2 |
| | | | | | | 160 | L45X4 | 710 | 2 | 1.94 | 3.9 |
| | | | | | | 161 | L40X3 | 1083 | 4 | 2.01 | 8.0 |
| | | | | | | 162 | L40X3 | 710 | 2 | 1.31 | 2.6 |
| | | | | | | 163 | -5X201 | 383 | 4 | 3.02 | 12.1 |
| | | | | | | 164 | -5X134 | 222 | 4 | 1.17 | 4.7 |
| | | | | | | 165 | -5X134 | 217 | 4 | 1.14 | 4.6 |
| | | | | | | 166 | -5X184 | 336 | 4 | 2.43 | 9.7 |
| | | | | | | 167 | -5X179 | 217 | 4 | 1.52 | 6.1 |
| | | | | | | 168 | L45X4 | 584 | 2 | 1.60 | 3.2 |
| | | | | | | 169 | L45X4 | 584 | 2 | 1.60 | 3.2 |
| | | | | | | 170 | L45X4 | 398 | 4 | 1.09 | 4.4 |
| | | | | | | 171 | L40X4 | 230 | 4 | 0.69 | 2.8 |
| | | | | | | 172 | Q345-6X210 | 230 | 4 | 2.27 | 9.1 |
| | | | | | | 173 | -5X168 | 180 | 4 | 1.13 | 4.5 |

合 计 1086.4 kg

螺 栓、脚 钉 垫 圈 明 细 表

| 名 称 | 规 格 | 符 号 | 数 量 | 重 量 (kg) | 备 注 |
|-----|---------------|-----|-----|----------|-----|
| 螺 栓 | M16X40 | ⊙ | 794 | 115.9 | |
| | M16X50 | ⊙ | 102 | 16.3 | |
| | M20X45 | ⊙ | 216 | 57.9 | |
| | M16X60 | ⊙ | 10 | 1.9 | 省 用 |
| | M16X60 | ⊙ | 22 | 4.5 | 省 用 |
| | M20X70 | ⊙ | 12 | 4.6 | 省 用 |
| 脚 钉 | M16X180 | ⊕ | 8 | 3.1 | |
| | M20X200 | ⊕ | 4 | 2.7 | |
| 垫 圈 | Q235-3φ(17.5) | — | 88 | 0.9 | |
| | -4φ(17.5) | — | 50 | 0.7 | |
| 合 计 | | | | 288.5 kg | |

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|--|-------|--------------------------|-----------------|
| 国家电网公司 STATE GRID CORPORATION OF CHINA | | 施 工 图 | 版 次 1 |
| 110~500kV输电线路通观设计 | | | |
| 批 准 | | 2B3-ZMC3直线塔 地线支架结构图 ① | |
| 审 核 | | | |
| 校 核 | | | |
| 设 计 | | | |
| CAD制图 | | 比 例 1:20 | 图 号 2B3-ZMC3-02 |
| 专 业 | 会 签 人 | 日 期 | |