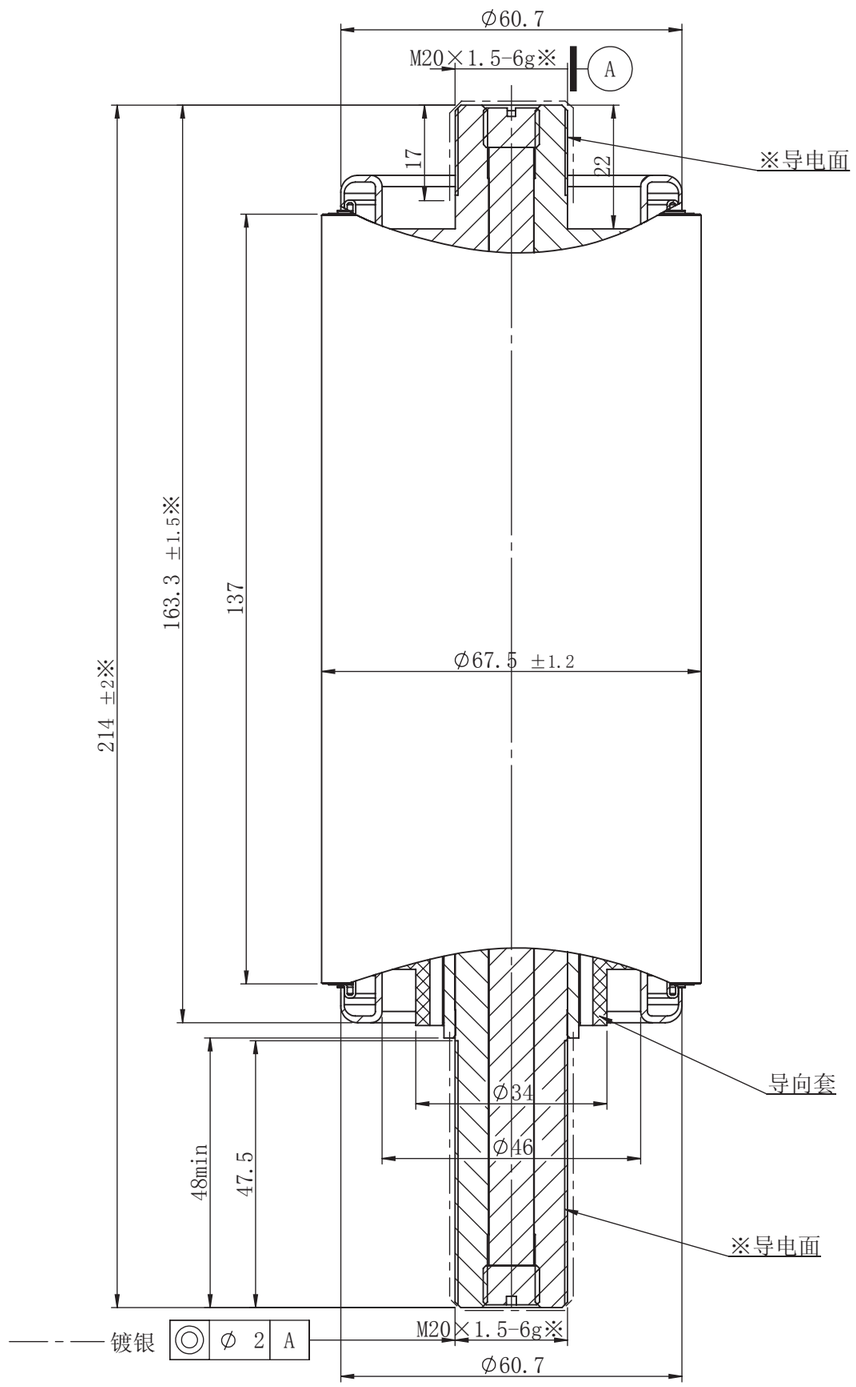
61029C（12KV/630A-20KA）型真空开关管外形图

61029C（12KV/630A-20KA）Vacuum Interrupter Drawing



61029C（12KV/630A-20KA）型真空开关管技术参数

61029C（12KV/630A-20KA）Vacuum Interrupter Technical Specifications

主要技术参数（负荷开关用）MAIN TECHNICA DATA（FOR LOAD-BREAKING SWITCH）	
额定电压 Rated voltage	12KV
额定电流 Rated current	630A
额定频率 Rated frequency	50HZ
*短时(1min)工频耐受电压 Short-time(1min) power-frequency withstand voltage	*42KV
*雷电冲击耐受电压(峰值) Lightning impulse withstand voltage(peak)	*75KV
额定短路关合电流 Rated short-circuit making current	50KA
额定峰值耐受电流 Rated peak withstand current	50KA
额定短时耐受电流(4秒) Rated short-time withstand current(4s)	20KA
额定闭环开断电流Rated closed circuit breaking current	630A
额定转移电流Rated transfer current	3150A
额定有功负载开断电流Rated load with power breaking current	630A
额定电缆充电开断电流Rated cable-charging breaking current	10A
额定触头压力下限时的回路电阻 Circuit resistance at minimum added force	≤40μΩ
机械寿命 Mechanical life	20000次
触头自闭力 Closing force due to bellows and atmosphere	80±30N
额定开距下的触头反力 Force required to hold contacts open at full stroke	120±40N
触头允许磨损厚度 Contact erosion limit	3mm
贮存期 Shelf life	20年
质量/动触头质量 Total mass of interrupter/Moving mass of interrupter	1.31Kg/0.3Kg
配套真空开关的机械参数(建议值)MECHANICAL DATA OF CIRCUIT-BREAKING RECOMMENDATIONS WITH THE INTERRUPTERS	
触头开距 Rated contact stroke	8±1mm
触头接触行程 Contact connection stroke	4±1mm
平均分闸速度（0-6mm行程） Average opening speed（0-6mm stroke）	1.1±0.2m/s
平均合闸速度（6mm-触头闭合） Average closing speed（6mm-contact making）	0.6±0.2m/s
额定触头压力 Added force on closed contacts	700±50N
触头合闸弹跳时间 Max.bouncing duration	≤2ms
触头分合闸不同期 Out of simultaneity of contact closing and opening	≤2ms
分闸触头反弹幅值 Max. rebound distance	≤2mm
分闸触头过冲幅值 Max. overtravel	≤2mm

备注（Note）：

* 须有外绝缘保护（With insulation cover）；