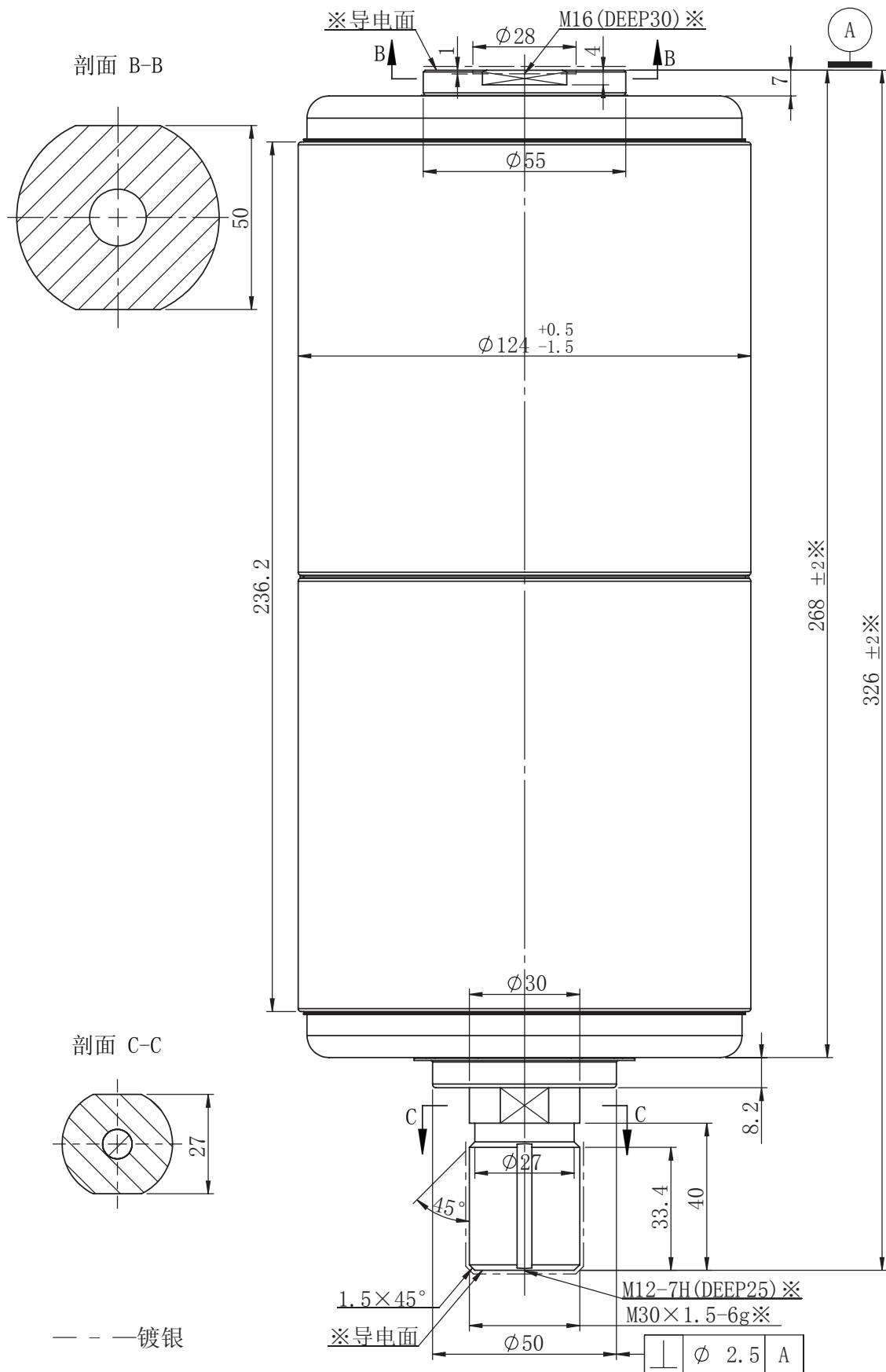


61171 (40.5KV/1600,1250A-31.5KA) 型真空开关管外形图
61171 (40.5KV/1600,1250A-31.5KA) Vacuum Interrupter Drawing



61171 (40.5KV/1600,1250A-31.5KA) 型真空开关管技术参数
61171 (40.5KV/1600,1250A-31.5KA) Vacuum Interrupter Technical Specifications

主要技术参数 (断路器用) MAIN TECHNICAL DATA (FOR CIRCUIT BREAKER)

额定电压 Rated voltage	40.5KV
额定电流 Rated current	1600,1250A
额定频率 Rated frequency	50/60HZ
额定短路开断电流 Rated short-circuit breaking current	31.5KA
额定短路开断电流开断次数 Operations of short-circuit breaking current interruption	30次
最大直流分量 Max.DC-component	50%
额定短路关合电流 Rated short-circuit making current	80KA
额定峰值耐受电流 Rated peak withstand current	80KA
额定短时耐受电流(4秒) Rated short-time withstand current(4s)	31.5KA
额定单个电容器组开断电流 Rated breaking current of single capacitor bank	#630A
额定背对背电容器开断电流 Rated breaking current of back to back capacitor bank	#400A
短时(1min)工频耐受电压 Short-time(1min) power-frequency withstand voltage	*95KV
雷电冲击耐受电压(峰值) Lightning impulse withstand voltage(peak)	*185KV
额定触头压力下限时的回路电阻 Circuit resistance at minimum added force	$\leq 15 \mu \Omega$
机械寿命 Mechanical life	20000次
触头自闭力 Closing force due to bellows and atmosphere	200 $\pm$ 60N
额定开距下的触头反力 Force required to hold contacts open at full stroke	300 $\pm$ 60N
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	6.6Kg/2.0Kg
额定操作顺序 Rated operating sequence	O-0.3s-CO-180s-CO

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	18 ₋₁ ⁰ mm
触头接触行程 Contact connection stroke	6 $\pm$ 2mm
平均分闸速度 (0-8mm行程) Average opening speed (0-8mm stroke)	1.4-2.0m/s
平均合闸速度 (8mm-触头闭合) Average closing speed (8mm-contact making)	0.8-1.2m/s
触头初压力 Added external contact force at contact touch point	≥ 2100 N
额定触头压力 Added force on closed contacts	3100 ₋₂₀₀ ⁺⁶⁰⁰ N
触头合闸弹跳时间 Max.bouncing duration	≤ 5 ms
触头分合闸不同期 Out of simultaneity of contact closing and opening	≤ 2 ms
分闸触头反弹幅值 Max. rebound distance	≤ 2 mm
分闸触头过冲幅值 Max. overtravel	≤ 2 mm

备注 (Note):

订货时需与BOV公司协商(Must consult with BOV);

* 须有外绝缘保护 (With insulation cover);