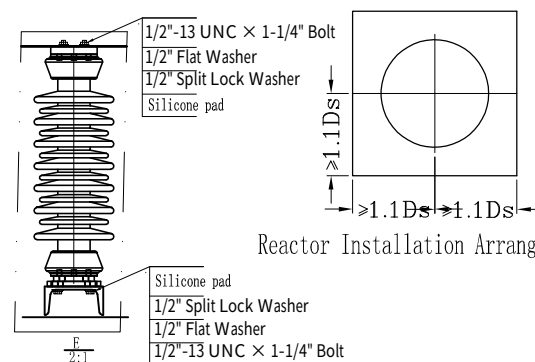
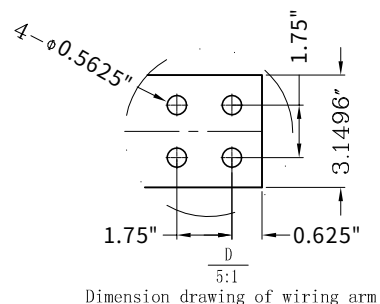
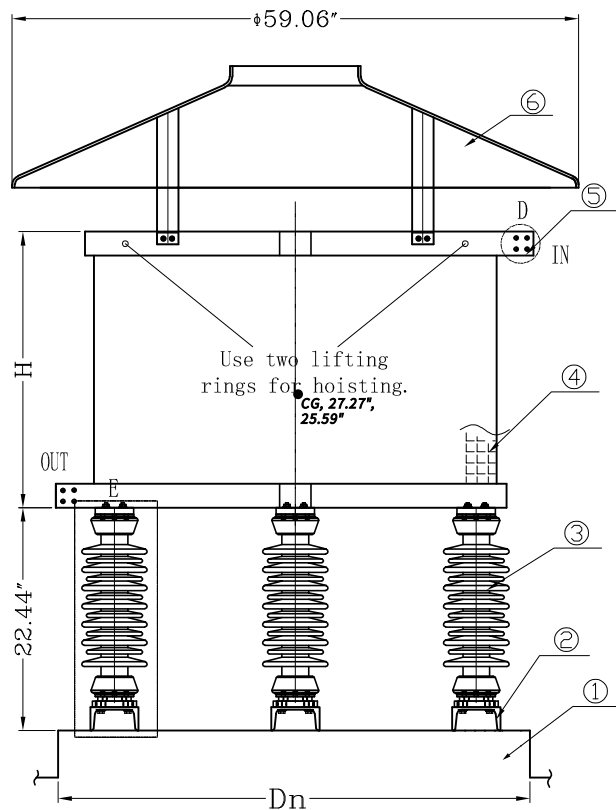
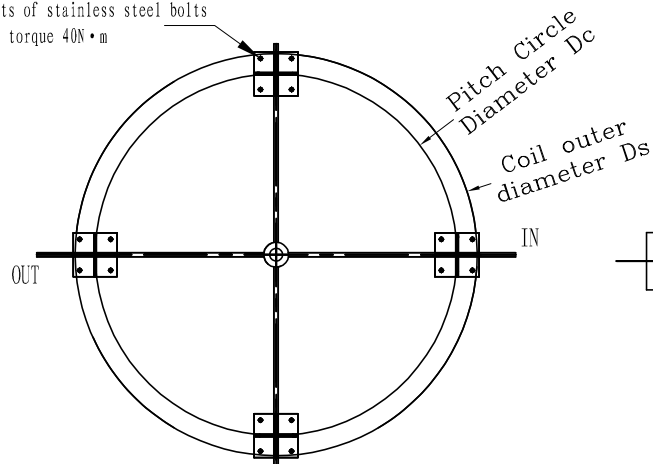


Model	System Voltage (kV)	Current (A)	Reactance (Ω)	H (in)	Dc (in)	Ds (in)	Dn (in)	Winding weight (pound)
NGR-AC-34.5KV-936A-AN-CU-M1	34.5	936	0.2	31.1	31.50	38.58	51.18	800

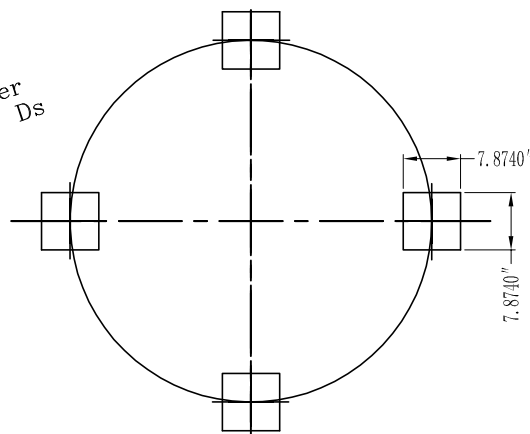


Reactor Installation Arrangement Sketch

Each support base requires
4 sets of stainless steel bolts
Safe torque 40N•m



Bolt Layout View



Foundation schematic diagram

Technical Requirements

- The angle between the incoming and outgoing lines of each reactor shall be as shown in the above-mentioned drawing.
- Installation location: Outdoor (NEMA 3R)
- Altitude: ≤ 1000 m (3280.84 ft)
- Item 1 supplied by user. Dimensions of the top surface of pre-embedded steel plate: 7.8740" $\times$ 7.8740" $\times$ 0.3937"
- Temperature Rise: 100°C Insulation Class: 155°C
- The center-to-center distance between two reactors shall be no less than 1.7 times the outer diameter of the reactor. The distance from the reactor center to the fence shall be no less than 1.1 times the outer diameter of the reactor. No closed metal loops are permitted within this range.
- The total height of the reactor shall have a tolerance of ± 3.9370 "; the outer diameter shall not exceed the specified value; Winding Weight ± 50 pounds
- Creepage distance of pillar insulators = 49.45"
- Remove the lifting eye upon completion of hoisting
- Wind load: Less than 100 mph
 - Ice & snow load: 20 psf
 - Seismic zone: High seismic zone, in accordance with CBC2025 / IEEE 693-2018
 - Reactor construction: Epoxy impregnated, fiberglass encapsulated
- Fasteners shall be SAE stainless-steel bolts and washers with SAE brass nuts.
- Weld Item 1 and Item 2 together.
- Each support base (between Item 2 and Item 3) requires 4 sets of stainless steel bolts with a safe torque of 40 N•m per set.
- Item 6 requires on-site installation by user. 200 kV BIL, 70 kV 1 min

6	Weather hood	$\phi 59.06$ "	Set	1	
5	Copper conductor arm	3.1496" $\times$ 0.3937"	pcs	8	Brass (#62)
4	Coil	Copper	Set	1	
3	Post insulator	H=19.6850"	pcs	4	
2	Shim plate		pcs	4	
1	Embedded steel plate		pcs	4	Supplied by user
Item	Name	Model NO.	Unit	Quantity	Remark

Air Core Neutral Grounding Reactor

Product ID	342268	Version number	V1.0
Order Number	309744		