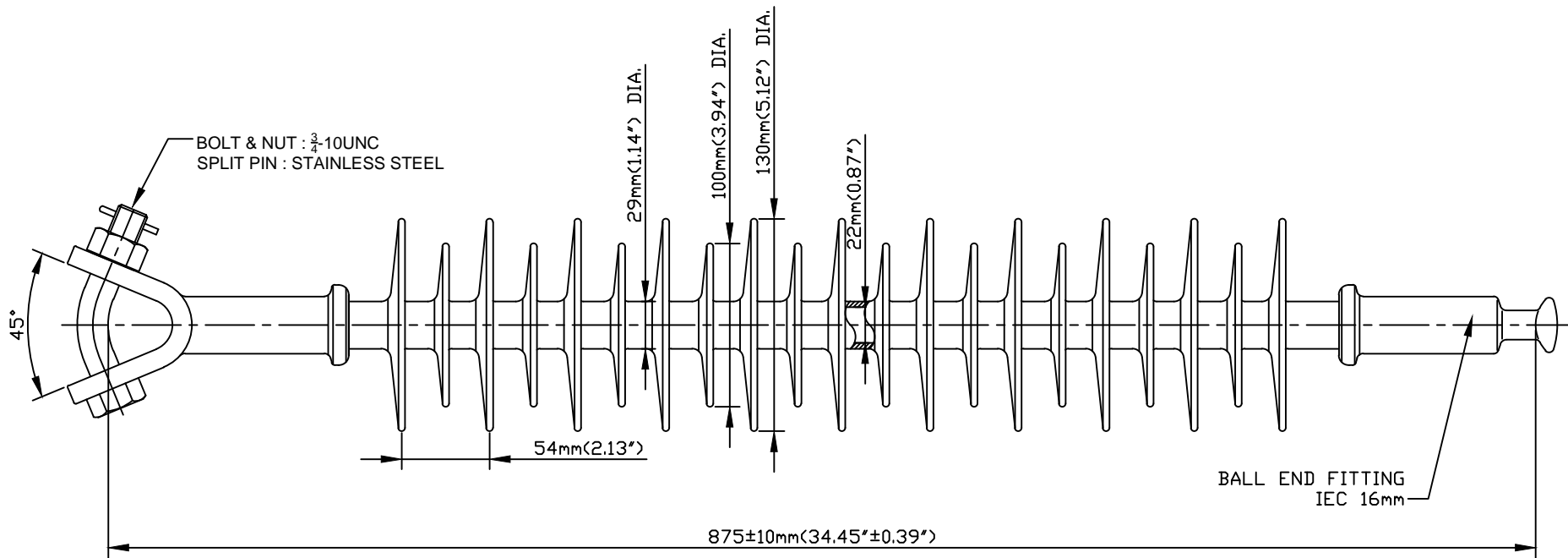


NO.	DESCRIPTION	DWG. NO.	MATERIAL	Q'TY	FINISH/SIZE	NOTE



REQUIREMENTS

SECTION LENGTH	875±10 mm(34.45±0.39 inches)
SPECIFIED MECHANICAL LOAD	120 kN
ROUTINE TEST LOAD RATING	60 kN
END FITTINGS DESIGN	Y-CLEVIS & BALL (IEC 16mm)
SHEDS Q'TY	19 PCS
DRY ARCING DISTANCE	595 mm(23.43 inches)
LEAKAGE DISTANCE	2,070 mm(81.50 inches)
60 Hz DRY FLASHOVER	250 kV
60 Hz WET FLASHOVER	220 kV
CRITICAL FLASHOVER(POS)	387 kV
CRITICAL FLASHOVER(NEG)	411 kV
LIGHTNING WITHSTAND(POS)	355 kV
LIGHTNING WITHSTAND(NEG)	375 kV
WEIGHT	4.9 kg(10.80 lbs)
P1-P2	16.1 mm
S/P	1.05
	(P1=51.6mm, P2=35.5mm, S=54mm, l=204.3mm)

NOTE:

1. END FITTINGS ARE MADE FROM CARBON STEEL FORGED AND GALVANIZED.
2. FIBERGLASS ROD IS MADE FROM EPOXY RESIN.
3. THE DIA. OF FRP ROD IS 22mm(0.87inches) SOLID.
4. THE BALL DESIGN IS ACCORDING TO IEC 16mm.
5. THE THICKNESS OF HOT DIP GALVANIZING SHALL BE 90 μm(MIN. AVE)
6. HARDWARE ENDS TO BE STAMPED WITH JULIAN DATE, SML 120kN, TEST 60kN, SCGL019-A2800
7. THE TOLERANCE ON ALL DIMENSIONS SHALL BE AS FOLLOWS:
 ±(0.04d+1.5)mm when d<300mm
 ±(0.025d+6)mm when d>300mm with a maximum of 50mm

					DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY	SCALE	DATE	NAME	POLYMER TRANSMISSION INSULATOR	
3					J.H.PARK			C.H.PARK	1/1			E	69kV, 120kN Transmission Insulator
2					FEB.21.2018			FEB.21.2018	1				
1/R	02/21/2018	INITIAL RELEASE	J.H.PARK	C.H.PARK							REF.NO.		SHEET NO
NO.	DATE	REVISIONS	DESIGNED	APPROVED							REMARKS	DWG.NO.	SCGL019-A2800