

# BUS INSULATOR TECHNICAL DATA SHEET

DRAWING NUMBER		MI-HSB110	MI-HSB125	MI-HSB150
HIGH STRENGTH		$\frac{15kV}{110 \text{ BIL}}$	$\frac{24kV}{125 \text{ BIL}}$	$\frac{24-34.5kV}{150 \text{ BIL}}$
DIMENSIONS	HEIGHT	$\frac{7.375 \text{ IN}}{187\text{mm}}$	$\frac{8.375 \text{ IN}}{213\text{mm}}$	$\frac{10.375 \text{ IN}}{264\text{mm}}$
	DIAMETER	$\frac{7.00 \text{ IN}}{178\text{mm}}$	$\frac{7.00 \text{ IN}}{178\text{mm}}$	$\frac{7.00 \text{ IN}}{178\text{mm}}$
	BOLT CIRCLE DIAMETER	$\frac{3.00 \text{ IN}}{76\text{mm}}$	$\frac{3.00 \text{ IN}}{76\text{mm}}$	$\frac{3.00 \text{ IN}}{76\text{mm}}$
	LEAKAGE DISTANCE	$\frac{13.25 \text{ IN}}{337\text{mm}}$	$\frac{15.25 \text{ IN}}{387\text{mm}}$	$\frac{19.00 \text{ IN}}{483\text{mm}}$
MECHANICAL (ULTIMATE)	TENSILE	$\frac{7,900 \text{ LBS}}{35 \text{ kN}}$	$\frac{7,900 \text{ LBS}}{35 \text{ kN}}$	$\frac{7,900 \text{ LBS}}{35 \text{ kN}}$
	COMPRESSION	$\frac{50,000 \text{ LBS}}{222 \text{ kN}}$	$\frac{50,000 \text{ LBS}}{222 \text{ kN}}$	$\frac{50,000 \text{ LBS}}{222 \text{ kN}}$
	CANTILEVER	$\frac{3,100 \text{ LBS}}{14 \text{ kN}}$	$\frac{3,100 \text{ LBS}}{14 \text{ kN}}$	$\frac{3,100 \text{ LBS}}{14 \text{ kN}}$
	TORSION	$\frac{17,000 \text{ LBS}}{76 \text{ kN}}$	$\frac{14,800 \text{ LBS}}{66 \text{ kN}}$	$\frac{14,800 \text{ LBS}}{66 \text{ kN}}$
ELECTRICAL	DRY WITHSTAND (1 min)	50 kV	60 kV	80 kV
	DRY FLASHOVER	50 kV	60 kV	80 kV
	DEW WITHSTAND (10 sec)	50 kV	60 kV	70 kV
	DEW FLASHOVER	50 kV	60 kV	70 kV
	IMPULSE WITHSTAND +	110 kV	125 kV	150 kV
	IMPULSE WITHSTAND -	110 kV	125 kV	150 kV

**NOTES:**

- 1) INSULATOR MATERIAL = WET PROCESS PORCELAIN WITH ANSI #70 LIGHT GRAY GLAZE
- 2) INSERT MATERIAL = GALVANIZED STEEL



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HIGH STRENGTH PORCELAIN BUS INSULATOR  
 TECHNICAL DATA SHEET