NPT-Sealed High-Current Feedthrough Studs, 105 to 750 A

105–750 A · 5000 VAC · leak < 1 × 10^{-8} Pa·m^3/s



Current rating	105–750 A
Withstanding voltage	5000 VAC
Sealing	NPT thread
Leak rate	< 1 × 10^{-8} Pa·m^3/s
Temperature	−40 to +130 °C

Key features

- High current through vacuum and pressure walls: 105 to 750 A
- NPT tapered-thread seal, NPT 1/2 to NPT 1
- 5000 VAC withstanding voltage, ≥ 5000 MΩ insulation resistance
- Leak rate < 1 × 10^{-8} Pa·m^3/s; every unit tested at 0.8 MPa
- Copper stud, epoxy insulation, brass body, nuts and washers
- Custom designs on request

Specifications

Electrical

Parameter	Value	Condition
Current rating	105–750 A	By model
Dielectric withstanding voltage	5000 VAC	
Insulation resistance	≥ 5000 MΩ	

Sealing and materials

Parameter	Value	Condition
Leak rate	< 1 × 10^{-8} Pa·m^3/s	0.1 MPa pressure differential
Hydrostatic pressure	≥ 8 MPa type test; 0.8 ± 0.05 MPa on every unit	
Operating temperature	−40 to +130 °C	
Body	Brass	
Stud	Copper	
Insulation	Epoxy molding compound	

Models

Model	Max. current	Body thread	Stud thread
C/JXZ-NTA-1	105 A	NPT 1/2	1/4-20 UNC

Model	Max. current	Body thread	Stud thread
C/JXZ-NTB-1-G01	275 A	NPT 3/4	M10
JXZ-24B	500 A	NPT 3/4	1/2-20 UNF
JXZ-23B	500 A	NPT 1	1/2-13 UNC
C/JXZ-NTD-1	750 A	NPT 1	5/8-20 UNF

Request a quote or drawing: https://sinoxh.com/request-a-quote/?product=NPT-sealed%20studs