

Product Name **phononic crystal isolator**

| | |
|-------------------------------|---|
| Primary material | customisation |
| Specifications | Customised services |
| Performance indicators | Core Technology: Phonon Crystal Localised Resonance Structure Vibration Isolation Performance: Insertion Loss >18dB Effective Frequency Bandwidth: 20-200Hz elastic wave bandgap control Mechanical Lifespan: >50 years (10 million fatigue cycles under dynamic loading) Temperature Range: -20°C to 80°C Load Capacity: $\geq 150\text{kN}$ vertical load-bearing capacity |
| Product Features | Noise-reducing resonance, high and low temperature resistance, salt spray resistance |
| Fields of application | Noise and vibration reduction in urban metro systems, high-speed railways, and refurbishment projects |
| Customised Services | Interface dimensions, rigidity, and structural height can be customised to meet customer requirements. |



The contents of this product information sheet are for reference only. For detailed information, please consult our customer service team. The company reserves the right to modify this technical information without prior notice or consultation.