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CCS P 70



**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB 50431-2020**

Replacing GB 50431-2008

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**Technical standard for belt conveyor engineering  
(English Translation)**

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### What this standard covers

This standard applies to the engineering design, construction and acceptance of ordinary belt conveyors, horizontal turning belt conveyors, U-shaped belt conveyors and tubular belt conveyors. This standard does not apply to the engineering design, construction and acceptance of special belt conveyors such as wire rope traction and air cushion. The bulk density of the bulk material conveyed by the belt conveyor should be  $0.50\text{t/m}^3 \sim 2.80\text{t/m}^3$ , the material temperature should not be higher than  $60^\circ\text{C}$ , and the working environment temperature should be  $-25^\circ\text{C} \sim +40^\circ$ . When the above range is exceeded, corresponding measures should be taken. The engineering design, construction and acceptance of belt conveyors shall not only conform to this standard, but also conform to the national standards.

### Document data

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### Standards quoted by this document

GBJ 12; GBJ 22; GB 50016; GB 50057; GB/T 50065; GB/T 50087; GB 50140; GB/T 50905; GB 50974; GB 4053.3; GB/T 7721; GB/T 7984; GB/T 9770; GB/T 10595; GB/T 10822; GB 12348; GB 21352; GB/T 28267.1; GB/T 28267.3; GB/T 28267.2; GB/T 28267.4; GB/T 31256