

Operating Environmental Conditions for Timing Belts

To ensure proper operation and extend the service life of timing belt mechanisms, please adhere to the following environmental conditions:

1. Ambient Temperature

- Requirement: Standard timing belts should operate within a temperature range of -30°C to 80°C^{**} , unless using special high-temperature belts.
- Note: Exceeding this range may degrade performance or cause damage.

2. Avoid Contaminant Adhesion

- Requirement: Prevent water, oil, or chemicals from adhering to the timing belt.
- Solution: If contamination occurs, clean immediately and maintain a dry, clean belt surface to prevent slippage or corrosion.

3. Prevent Foreign Particle Ingress

- Requirement: Install protective covers if the operating environment may expose belts to contaminants (e.g., dust, debris).
- Solution: Regularly inspect covers for integrity to ensure effective isolation and protection of belts/pulleys.

Safety Note:

- Periodically verify compliance with environmental conditions to ensure safe operation.
- If conditions cannot be met, contact technical support for design optimization or alternative belt selection.

For further assistance, provide specific equipment details—our engineers will analyze and recommend solutions!