

REVIEW EDITION — NOT APPROVED FOR PUBLICATION

OEM Conveyor Belting

Engineering Specification Guide

One-piece molded construction

Cambelt molds the base belt, sidewalls and carrying features together rather than assembling glued-on components. This removes the glued sidewall joint as a failure point; it does not eliminate the need for appropriate splices, tension and mechanical design.

A belt designed into your equipment

For conveyor manufacturers, selection starts with material, conveyor geometry and duty cycle. Compounds, reinforcement and carrying geometry are reviewed for the application, rather than assumed from another machine.

How to use this guide

Record known requirements and mark unknown items for engineering review. This checklist is not a belt rating, a final design or a performance guarantee. Final dimensions, compounds, speed, capacity and incline must be confirmed for the complete conveyor.

REVIEW EDITION — NOT APPROVED FOR PUBLICATION

Define the application

Material and operating requirements

Material being conveyed

Record the material name, bulk density with units, particle size range and maximum lump size. Describe moisture, abrasiveness, stickiness and chemical exposure. Identify material temperature separately from ambient temperature.

Required flow

Provide normal and peak throughput with units, required duty cycle, operating hours and start/stop frequency. Include target belt speed if known. Capacity depends on material condition, belt configuration, speed and incline; do not use a field example as a new-machine guarantee.

Operating environment

Describe indoor or outdoor use, ambient temperature range, dust, washdown and exposure to oils or chemicals. List applicable safety or regulatory requirements for review; do not assume a compound meets a certification without confirmation.

Design constraints

Identify feed and discharge locations, available footprint and height, existing equipment interfaces and access for inspection or replacement. Include the equipment model and any intended future operating changes.

REVIEW EDITION — NOT APPROVED FOR PUBLICATION

Choose the belt configuration

Geometry and mechanical interfaces

Compare the molded belt families

Cambelt: one-piece molded belting specified to material, incline and duty. CamWall: corrugated sidewalls and cross cleats molded into the belt. CamFlex: molded nubbed carrying surface. CamTite: specialty-duty construction reviewed for the application.

Straight or transitioned layout

CamWall CW supports straight incline layouts. Recessed CamWall CWR supports L and Z layouts with transition sections. CamFlex supports straight, L and Z configurations. Document each horizontal run, incline, transition and discharge before selecting a construction.

Dimensions and interfaces to review

Provide belt width and length with units, overall conveyor geometry, incline angle, pulley diameters, available drive details, take-up arrangement, return-run supports and splice requirements when known. Include sidewall and carrying-feature requirements; let engineering confirm dimensions and compatibility.

Containment and release

Describe feeding method, loading impact, spillback, carryback and discharge requirements. Reducing transfers can reduce opportunities for spillage and dust, but actual results depend on the complete system design.

REVIEW EDITION — NOT APPROVED FOR PUBLICATION

Prepare an engineering review

OEM specification checklist

Company and project

Prepare first and last name, company, business email and project or equipment model. Company website and phone are optional. Record revision identifiers for drawings so the design reviewed is clear.

Helpful supporting information

Gather material characteristics, throughput, incline, belt width and length, operating temperatures, layout and mechanical interfaces. Mark estimates clearly and include units. Share drawings through an agreed secure channel; this preview does not accept uploads or submissions.

Questions for Cambelt engineering

Which belt family and construction fit the material and geometry? Which dimensions and interfaces must be confirmed? What operating limits apply to this configuration? What additional information is needed before a firm specification?

Review status and source basis

Prepared from the Cambelt website belt-family descriptions and published CamWall/CamFlex layout guidance. No new numerical ratings or certifications are introduced. This review edition awaits Jeff's approval; the native HubSpot OEM inquiry form remains disconnected.

Next step

Review the OEM page at cambelt.com/oem-conveyor-beltting after publication approval. In the current preview, use the guide to prepare requirements; no inquiry is sent to HubSpot or Salesforce.