

# Technical study and calculate of a conveyor for CE certification

## ANNEX

### Regulatory bases

(extract)

From Directive 2006/42 / EC - Annex VII, Article 1, it appears from a good reading that the constitution of the "technical file" can be created only in support of the calculation notes, for a sincere CE certification.

The fact that in the said Directive it is written that "the technical file includes a construction file containing:

- *A general description of...*
  - *The overall drawing of ...*
  - *Detailed and complete drawings, **possibly** accompanied by calculation notes ... to check the compliance of the machine with the essential health and safety requirements , »*
- ... shall not relieve the conveyor manufacturer from attaching the calculation notes to his file.

The mention "*..., **possibly accompanied by calculation notes**, ...*" becomes an obligation according to C3 Expert, and not a free choice as the text suggests, when we take into account Article 3 (Annex VII of the Directive) which stipulates: "*The non-presentation of the technical file, ..., may constitute a sufficient reason to doubt the conformity of the machine ...*". Here, it must be understood that the technical file must be sufficiently complete and explicit, and therefore supported by calculations in the case of conveyors, so that the competent authority or the expert can assess the sincerity of the CE certification.

This Directive is taken over by EN ISO 12100 (Article 7, sub-paragraphs b, d1, e, f), in an unclear way; as regards the French Labor Code (Articles R4313-6, -11, -12.5, -21), it reproduces the terms of Appendix VII, above.