

**ELECTRICAL APPARATUS FOR EXPLOSIVE GAS AMOSPHERES –
Part 1: Flameproof enclosures "d"**

INTERPRETATION SHEET

This interpretation sheet has been prepared by IEC technical committee 31: Electrical apparatus for explosive atmospheres.

The text of this interpretation sheet is based on the following documents:

ISH	Report on voting
31/656/ISH	31/666/RVD

Full information on the voting for the approval of this interpretation sheet can be found in the report on voting indicated in the above table.

Subclause 8.2.2 – Rolling element bearings

It is understood that, with assemblies, all parts will not exist at the worst case dimensions simultaneously. Also a statistical treatment of the tolerances, such as "RMS", may be required for m and k verification.

Furthermore, it is understood that it is not a requirement of this standard that the manufacturer's m and k calculations be verified. Also, it is not a requirement of this standard that m and k be verified by measurement.

Subclauses 15.2.1.1, 15.2.2.1 and 15.2.2.2:

When preparing a test sample employing a cylindrical joint of a shaft gland for a rotating machine with roller element bearings, it is understood that the test gap i_E is based on the diametrical clearance from Table 1 or Table 2, and not the radial clearance of 8.2.2.

NOTE This clarification is being introduced in IEC 60079-1 Edition 6 and therefore an Interpretation Sheet will not be required for this or future editions.