



ATEX-Standard

Kissling gearboxes for operation in EX protection zones:

- **New installations**
- **Existing installation modification**

New ATEX directives for gear units too

ATEX-directive successfully put into practice

The European wide harmonisation of the ATEX directive in force since 1 July 2003 covers safety measures in potentially explosive atmospheres. Only the use of new equipment and power trains designed, built and tested in accordance with this directive is allowed.

For the efficient and competent implementation of the ATEX directive, Kissling has trained its employees in all areas. New power trains are being realised and existing gear units adapted to current explosion protection regulations.

Like the EC Machinery Directive, the ATEX Directive addresses operators of plants as well as manufacturers of components, power trains and equipment for potentially explosive at-

mospheres. Depending on the area of application, a specified conformity evaluation procedure is carried out.

In this procedure the components, power trains and also auxiliary equipment are assessed for their ignition potential. In the case of a source of danger being present, the parts or processes are improved accordingly. This is a prerequisite for the CE marking and fulfilment of the conformity declaration according to the currently applicable ATEX directive.

The flexibility and commitment of our specialists allow an efficient realisation of the projects in production areas with

potentially explosive atmospheres. Kissling assists customers with evaluation of existing equipment and recommendation of necessary adjustments to the power train to implement the ATEX directive.



Several successfully realised projects confirm the competency and experience of Kissling in this area.

Type	VD-290 LEM ATEX
ATEX designation	2G c IIB T2 X
Drive torque	14'000 Nm
Drive speed	2'250 : 75 Upm

For further information please contact our experienced sales engineers:

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ATEX marking and classification for gear units | What does CE Ex II2G ck IIB T4 mean with a Kissling gear unit?

Conformity marking in accordance with Appendix X of the Directive 94/9/EC.	Equipment Group II covers equipment for use in other areas that can be endangered by a potentially explosive atmosphere. Equipment categories specify the safety of the equipment or the degree of explosion potential.	Ignition protection types apply to protection requirements, such as protection against electrostatic charging, creation of potential equalisation for metal housings or mechanical impact resistance.	The explosion group and temperature class indicate the gas type and the maximum occurring surface temperature.
CE	Ex	II2G; ...D or ...GD	ck (Kissling Standard)
			IIB T4 (Paint thickness Kissling 0.16 mm)

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