

ATEX -CERTIFICATION

HIGH SAFETY STANDARDS FOR HYDRAULIC EQUIPMENT IN EXPLOSIVE AREAS



HOVEN
HYDRAULIK

MOVING TECHNOLOGY

HYDRAULIC CYLINDERS • POWER UNITS • RECYLINDERING • SERVICE & MAINTENANCE

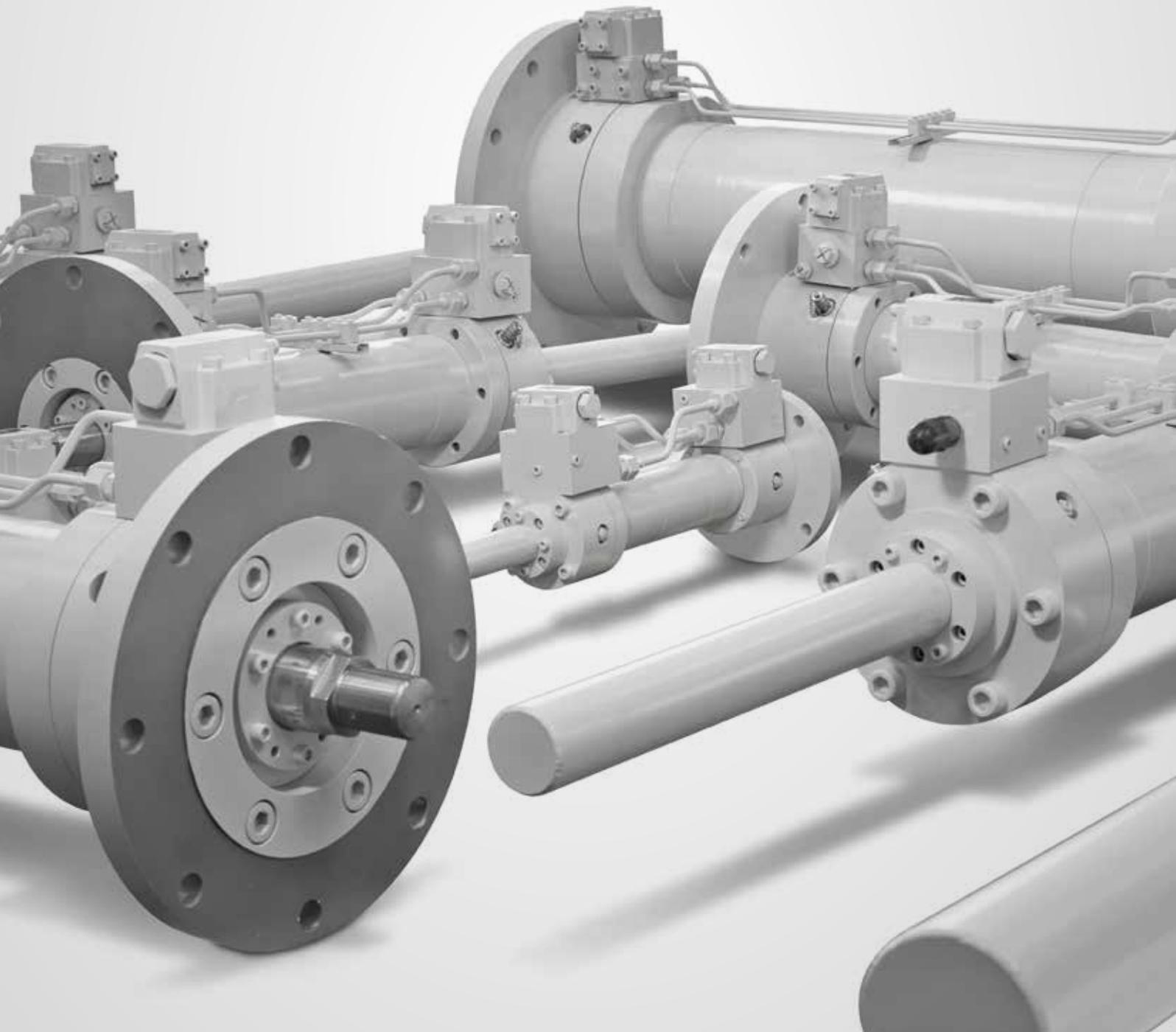
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HOW DO WE ENSURE IMPLEMENTATION OF THE ATEX-DIRECTIVE?

With our concept "ATEX by Hoven" two areas are considered: comprehensive ignition hazard analysis as well as intelligent production.

Early consideration of potential ignition risks or heating up leads our development process to secure concepts. It precisely specifies the planning of production steps and assures an exceptionally high process safety level during production.

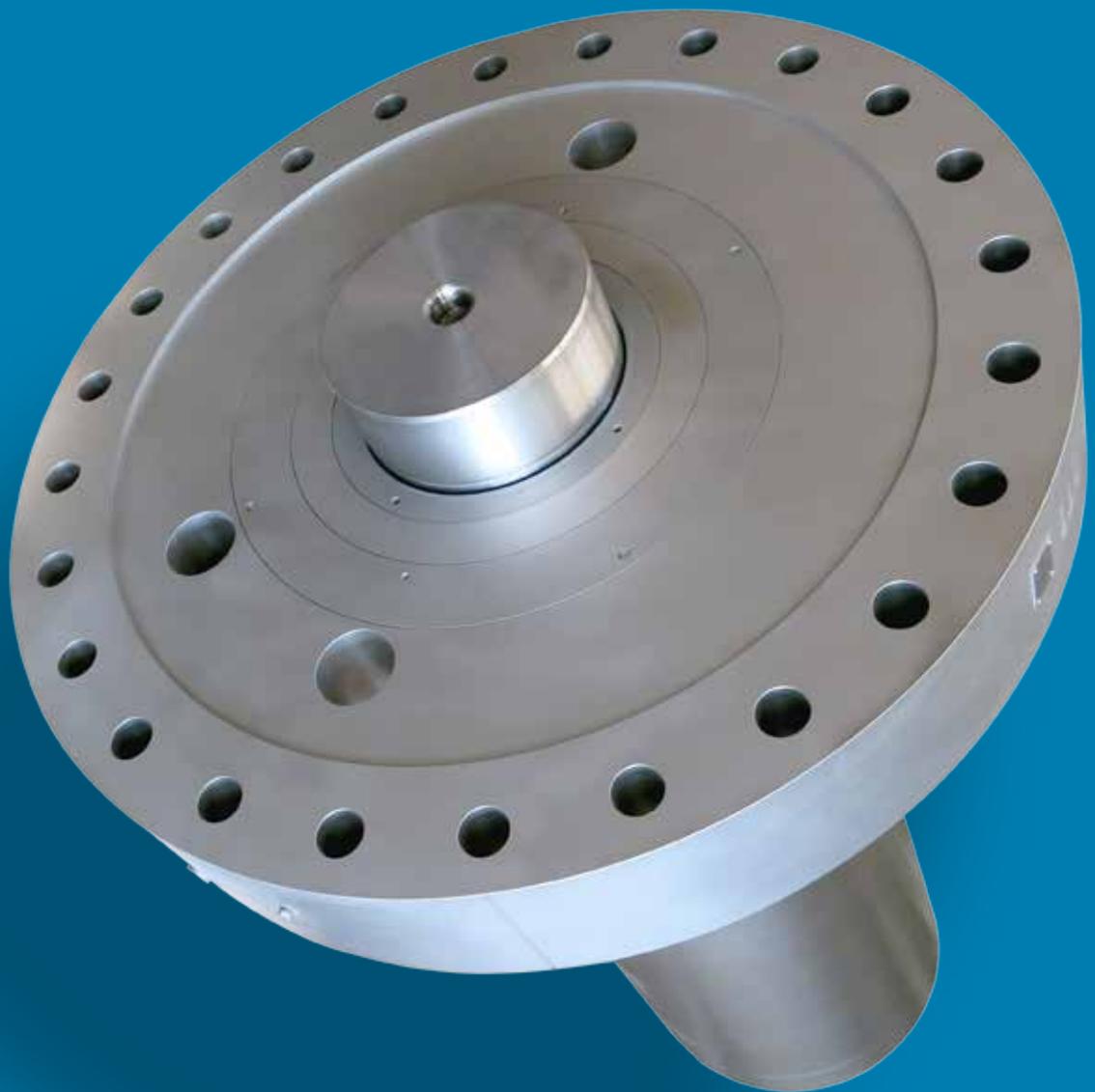
In order to eliminate the danger of ignition, tested materials and proven technologies are used in the production process. Another integral part of the concept is the task-specific dimensioning of all components in order to sustainably avoid material breach and resulting dangers.



EFFICIENCY THROUGH MAXIMUM PRODUCTION TRANSPARENCY

Tracing back of materials employed and production steps realized is guaranteed by marking of each component.

The particular marking and unambiguous work plans form the key aspects for a clearly defined manufacturing procedure. In addition, an explosion protection documentation with all calculations, test results and measures is prepared for each customer-specific device according to the ATEX directive. This document is deposited with an independent, designated institution, e.g. the Physikalisch-Technische Bundesanstalt Braunschweig (PTB), the TÜV or a similar organization who will disclose all documents on request.



The ATEX-documentation provided is (together with EC-conformity declaration and ATEX-operating instructions) of essential importance for the plant engineering: primarily it describes the hydraulic components regarding compliance with the ATEX-suitability.

Thus, it strongly supports the equipment manufacturer at furnishing the legally required proof of explosion protection measures taken for his entire installation.

ATEX^{Ex} BY HOVEN

CERTIFIED HYDRAULIC CYLINDERS AND POWER UNITS
FOR EXCEPTIONAL PRODUCTION ENVIRONMENTS

During industrial production and manufacturing processes explosive atmospheres cannot always completely be avoided. Even an unintended spark or slightly too hot surfaces might have serious consequences for human beings and materials.

On this basis the European-wide ATEX-directive prescribes protective measures for equipment and installations. Measures that Hoven Hydraulik, on request, will fully take into account when manufacturing customized special cylinders for use in potentially explosive areas. We have summarized our long years of experience under the term "ATEX by Hoven".



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