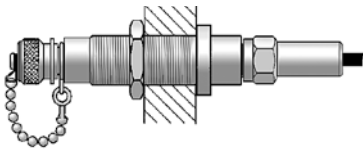
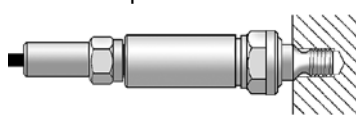


● Bulkhead union



● Shock pulse transducer

*suction roll kit*

Bulkhead unions  
 Shock pulse transducers  
 High temperature cable assembly  
 with sealed connectors

## Condition monitoring of suction roll bearings

With more than 30 years of experience from the paper industry, we offer a complete, reliable, cost-efficient solution for surveillance of suction rolls.

Generally, bearing monitoring is of great interest on paper machines. They have a large number of vital bearings where a break down may cause considerable costs due to the high and continuous production. In the suction roll, normally, one or two of the bearings can be reached from the outside, making no special arrangements necessary.

However, the inner bearings, one or two depending on design, are built-in and completely inaccessible for monitoring. Therefore, a permanent installation transmitting the signals from the inner bearings to an easily accessible point outside is required. A technical solution solving the special problems around this application will be presented here.

### Our Solution

Shock pulse transducers are installed into the bearing shaft. The SPM signals are transmitted via cables to a terminal in a suitable place, where the SPM values can be read under safe and reliable conditions. The inspections are carried out once a month with one of SPM's handheld instruments [T30 or Leonova™] or by an on-line system like MG-4, CMS or CMM.

### The True SPM®-method

SPM's Shock Pulse Method is the only successful monitoring technique specializing on rolling element bearings. It presents accurate information on the mechanical state of the bearing surfaces and the lubrication condition, throughout the bearings lifetime. Installation faults and poor lubrication, the root cause of many bearing failures, are easily detected.