

THE ENGINEERING EQUIPMENT AND MATERIALS USERS ASSOCIATION

GUIDE TO THE SPECIFICATION, INSTALLATION AND MAINTENANCE OF SPRING SUPPORTS FOR PIPING

PUBLICATION N° 200 : 2000

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THE ENGINEERING EQUIPMENT AND MATERIALS USERS ASSOCIATION

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FOREWORD

A common problem with certain piping systems faced on construction sites and operating plants is lack of specialist knowledge of how to set and maintain piping spring supports effectively and safely. This is particularly the case where there is a significant temperature difference between the hot (operating) and cold (shutdown) conditions of the plant. In many cases specialist engineers need to be brought in to oversee initial setting; however such specialists may not be readily available post-commissioning, during plant operation and maintenance.

Accordingly, the EEMUA Piping Systems Technical Committee, comprising piping engineers from major multinational oil, chemical, power and contracting companies, has developed the present Guide.

1 INTRODUCTION

The purpose of this publication is to provide guidance to users on the specification, installation and long-term safe use of spring supports for piping. The information contained in this Guide is a synthesis of the good practices employed by EEMUA member companies, and is intended to complement specific information provided by manufacturers of spring supports.

2 SCOPE

The requirements for piping supports are one of the outcomes of the flexibility analysis performed as part of the piping system design. The scope of the present publication covers the specification of piping supports—in particular the information required by the manufacturer—the information to be recorded in the pipe support index, installation and commissioning procedures, in-service inspection and maintenance, and, as a separate section, dynamic restraints. Advice is also given on safety aspects affecting plant modifications and demolition.