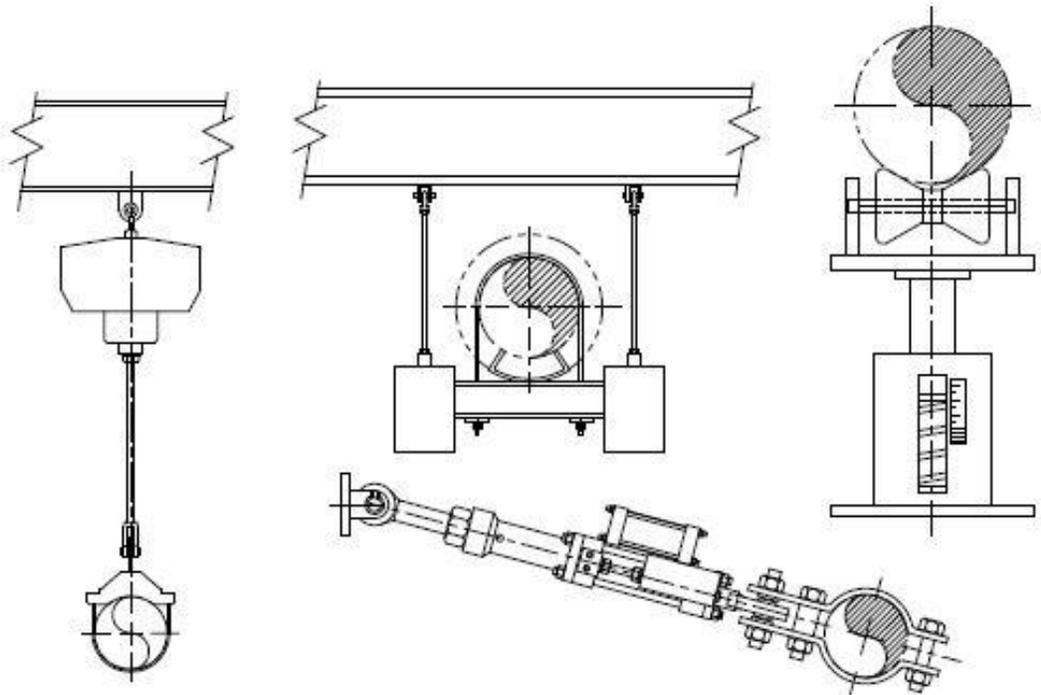


PIPE SUPPORTS, RESTRAINTS AND SNUBBERS SPECIFIED MATERIALS VERSUS SUPPLIES



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INTRODUCTION

In the design phase, various specifications are developed to ensure that products meet or exceed requirements outlined in various codes, standards or regulations. Their characteristics must clearly satisfy the specific designs and related

Instructions. Manufacturer may develop pipe support and restraint design sketches, drawings or details using a specific (or specified) manufacturer's product. Other drawings may include a note or comment indicating alternate "or equal" products may be substituted. The bidder must submit a successful bidder.

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When the specifications set forth, the products ultimately installed may vary. One factor complicating the situation is the fact that the products may not be available at the operating facility. This is often due to the variance between specifications and the following:

- The overall assembly and attachments).
- The travel stops
- The variable spring

It should be noted that an individual piping system may have products from more than one manufacturer as illustrated on the enclosed drawing. Thus a piping system can include up to three or more suppliers with entirely different product lines and unique characteristics, sizes and materials.

All of the above should be taken into consideration during general servicing, maintenance or replacement activities.