

## FIG. 7240

### Expansion Joint

The Gruvlok® Figure 7240 Expansion Joint takes advantage of the axial expansion capabilities of the Gruvlok flexible couplings to produce a reliable grooved end expansion joint. The expansion joint is comprised of Gruvlok Figure 7000 or 7001 flexible couplings and precision machined grooved end pipe nipples. Ties are used to custom preset the expansion joint in the expanded, compressed or intermediate position to provide for the desired expansion and/or contraction compensation.

Installation is easy, simply follow the Gruvlok coupling installation and assembly instructions to install the expansion joint in the system and after installation is complete, remove the ties.

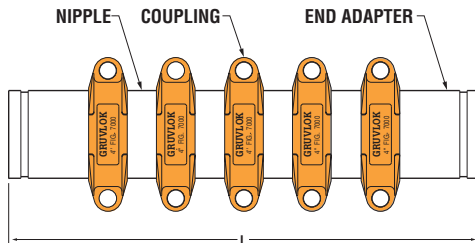
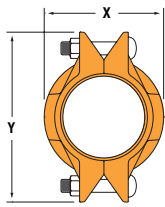
Expansion joints can be used as flexible connectors, however, they will not simultaneously provide for full axial expansion and angular deflection. Expansion joints require pipe anchoring capable of restraining the maximum system pressure end load.



**NOTE:** Expansion joint shown with shipping support. Contact an Anvil representative for proper installation support requirements.

The service conditions are the same as the service conditions for coupling and gasket used in the expansions joint. Unless otherwise requested, this product will contain a silicone based lubricant. Refer to the Gruvlok catalog for coupling performance capabilities and material specifications. To order please provide the order form on the next page.

**NOTE:** The Gruvlok Figure 7240 Expansion Joint is also available in stainless steel.



**FIGURE 7240 PERFORMANCE DATA (INCHES)**

Nominal Size	O.D.	Coupling Figure	X	Y	Compressed Length L	Expanded Length L	Coupling Movement Capability	Number of Couplings	Total Movement Capability
In./DN(mm)	In./mm		In./mm	In./mm	In./mm	In./mm	In./mm		In./mm
2 50	2.375 60.3	7000	3½ 89	5½ 125	30 762	31¼ 794	⅛ 3.2	10	1¼ 31.8
2½ 65	2.875 73.0	7000	4 100	5¾ 146	30 762	31¼ 794	⅛ 3.2	10	1¼ 31.8
3 80	3.500 88.9	7000	4½ 117	6¾ 171	30 762	31¼ 794	⅛ 3.2	10	1¼ 31.8
4 100	4.500 114.3	7000	5¾ 149	8⅛ 206	17½ 445	18¾ 476	¼ 6.4	5	1¼ 31.8
5 125	5.562 141.3	7000	7 178	9⅝ 244	19 483	20¼ 514	¼ 6.4	5	1¼ 31.8
6 150	6.625 168.3	7000	8 200	11 279	19 483	20¼ 514	¼ 6.4	5	1¼ 31.8
8 200	8.625 219.0	7000	10½ 264	12¼ 337	22½ 572	23¾ 603	¼ 6.4	5	1¼ 31.8
10 250	10.750 273.1	7001	13⅝ 333	16⅝ 422	23½ 597	24¾ 629	¼ 6.4	5	1¼ 31.8
12 300	12.750 323.9	7001	15½ 394	18⅝ 433	23½ 597	24¾ 629	¼ 6.4	5	1¼ 31.8
14 350	14.000 355.6	7001	16⅝ 410	20½ 521	27 686	28¼ 718	¼ 6.4	5	1¼ 31.8

#### PROJECT INFORMATION

#### APPROVAL STAMP

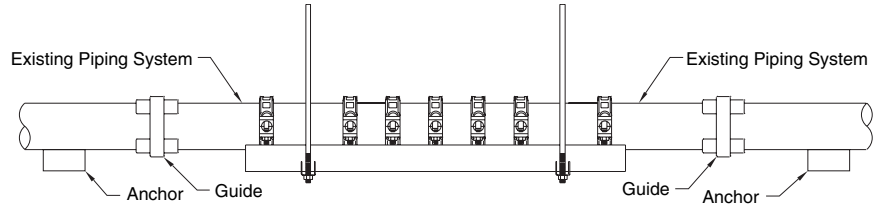
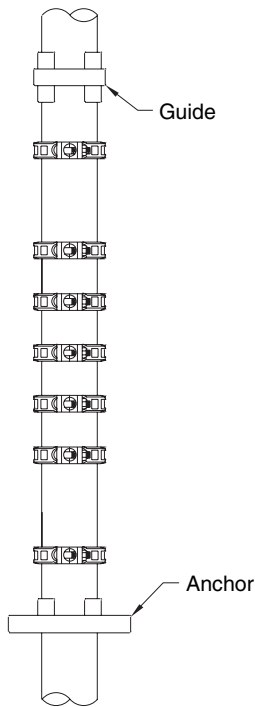
<b>Project:</b>	<input type="checkbox"/> Approved <input type="checkbox"/> Approved as noted <input type="checkbox"/> Not approved <b>Remarks:</b>
<b>Address:</b>	
<b>Contractor:</b>	
<b>Engineer:</b>	
<b>Submittal Date:</b>	
<b>Notes 1:</b>	
<b>Notes 2:</b>	

**FIG. 7240**

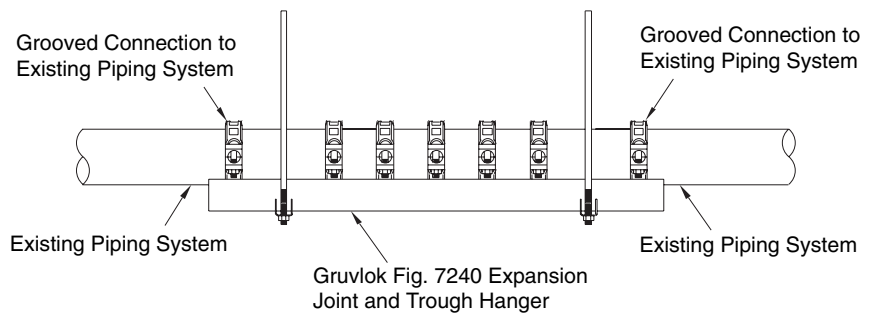
Expansion Joint

**HANGER DETAILS**

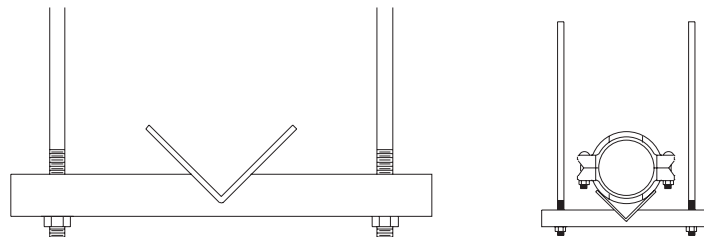
**Vertical Support**



**Horizontal Support**



**Trough and Hanger**



**FIG. 7240 – ORDER FORM**

When requesting a quotation or placing an order, please complete the following form.

- 1) Existing piping system size, material, and schedule: \_\_\_\_\_
- 2) Total required movement: \_\_\_\_\_ inches
- 3) Factory to preset the expansion joint to (select one):  Full Expansion  Full Contraction  Intermediate
- 4) Expansion joint pipe material and schedule (Sch. 40 steel standard): \_\_\_\_\_
- 5) Pipe finish (black standard): \_\_\_\_\_
- 6) Coupling finish (orange painted standard): \_\_\_\_\_
- 7) Gasket material (grade "EP" EPDM standard): \_\_\_\_\_
- 8) Connecting pipe ends to existing piping system if different than standard roll or cut groove: \_\_\_\_\_
- 9) Are there any silicone restrictions for the application?  Yes  No