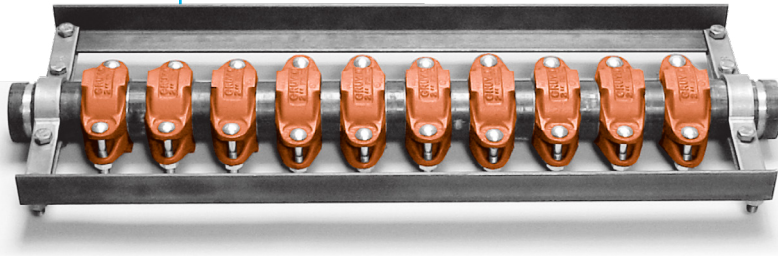


## Expansion Joints Fig. 7240

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 last page.

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



The Gruvlok Figure 7240 Expansion Joints take advantage of the axial expansion capabilities of the Gruvlok flexible couplings to produce a reliable grooved end expansion joint. The expansion joints are comprised of the Gruvlok Figure 7000 or 7001 flexible couplings and precision machined grooved end pipe nipples.

Ties are used to custom preset the expansion joints 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.

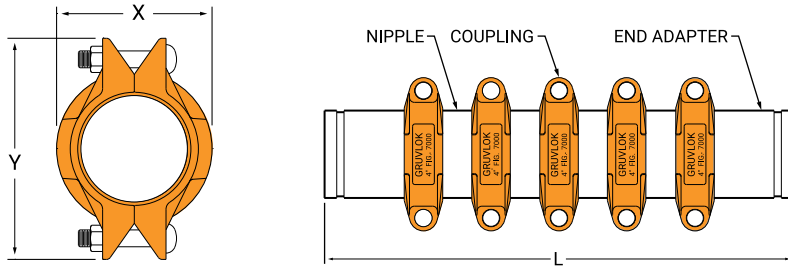
The expansion joints can be used as flexible connectors, however, they will not simultaneously provide for full axial expansion and angular deflection. Expansion joints require pipe anchoring capable of restraining the maximum system pressure end load.

**Note:** Expansion joint shown with shipping support. Contact an ASC Engineered Solutions™ representative for proper installation support requirements.



PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

## Expansion Joints Fig. 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	4.5 114.3	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	3.5 88.9	7000	4⅝ 117	6¾ 171	30 762	31¼ 794	⅛ 3.2	10	1¼ 31.8
4 100	4.5 114.3	7000	5⅞ 149	8⅞ 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	12 <sup>13</sup> / <sub>16</sub> 337	22½ 572	23¾ 603	¼ 6.4	5	1¼ 31.8
10 250	10.75 273.1	7001	13⅞ 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	14 355.6	7001	16⅞ 410	20½ 521	27 686	28½ 724	¼ 6.4	5	1¼ 31.8
16 400	16 406.4	7001-2	18 <sup>15</sup> / <sub>16</sub> 465	22 558	27¾ 724	29 737	¼ 6.4	5	1¼ 31.8
18 450	18 457.2	7001-2	20¾ 527	24¼ 615	28½ 686	29¾ 756	¼ 6.4	5	1¼ 31.8
20 500	20 508	7001-2	23 582	27⅞ 691	28½ 724	29⅞ 765	¼ 6.4	5	1¼ 31.8
24 600	24 609.6	7001-2	27¼ 688	31⅞ 791	30½ 775	31¾ 807	¼ 6.4	5	1¼ 31.8



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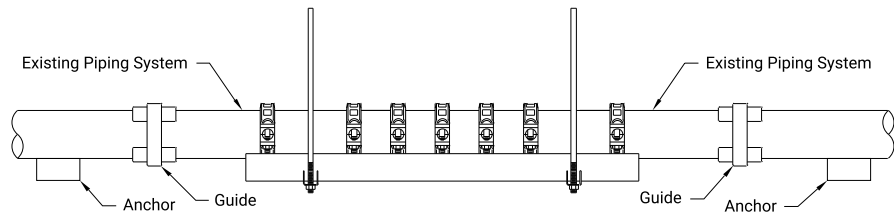
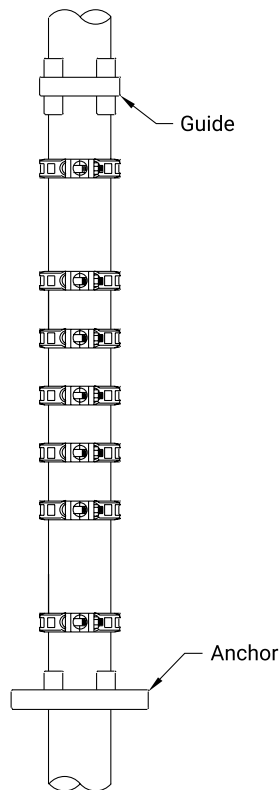
Building connections that last™

# Expansion Joints

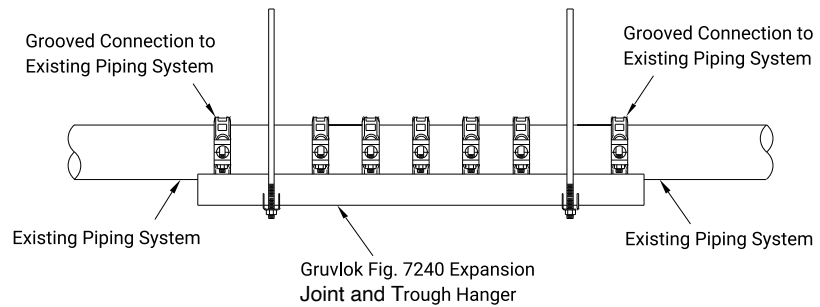
## Fig. 7240

### Hanger Details

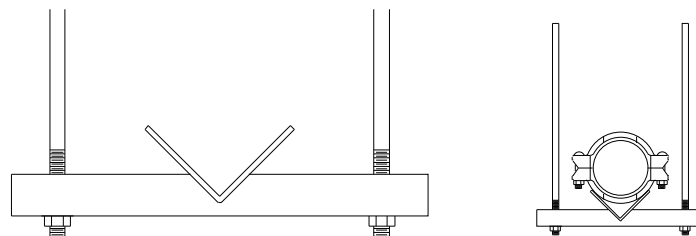
#### Vertical Support



#### Horizontal Support



#### Trough and Hanger



### FIG. 7240 - ORDER FORM

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

1. Size and material of pipe to which the Expansion Joint will be connected:

2. Total overall movement capability:

3. Factory to preset the Expansion Joint to (select one):    Full Expansion    Full Contraction    Intermediate

4. Pipe material for Expansion Joint (standard is sch. 40 steel):

5. Finish on pipe (standard is black):

6. Finish on couplings (standard is painted):

7. Gasket material (standard is Grade E EPDM):

8. Connecting pipe ends if different than standard roll or cut groove:

9. Are there any silicone restrictions for the application?    Yes    No