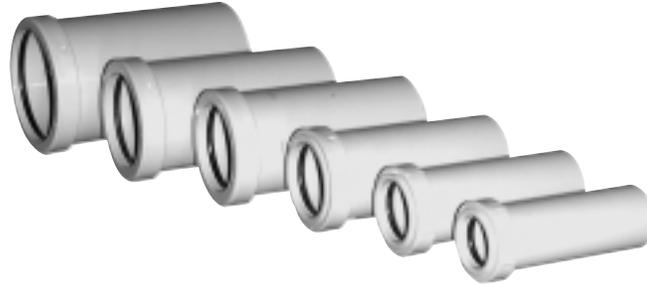




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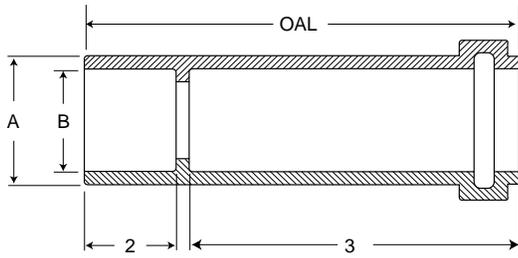
One Piece Expansion Joints

- The perfect expansion fitting for short runs of PVC
- 1/2" - 2"
- Molded one piece construction
- Nitrile O-ring for smooth functioning
- One Kraloy One Piece Expansion Joint (OPEJ) controls 1 1/4" of thermal expansion or contraction on a 30 foot conduit run (or less) regardless of the temperature at the time of installation.

Dimension (in)	Part Number	Product Code	Std. Pkg.	Wgt/Pkg (lbs)
1/2	OPEJ05	078240	80	6
3/4	OPEJ07	078209	50	5
1	OPEJ10	078208	40	5.5
1 1/4	OPEJ12	078204	25	5
1 1/2	OPEJ15	078045	15	4
2	OPEJ20	078388	10	4

Kraloy Customer Service Center

Toll Free: 1-800-265-1815 Direct: 519-681-2140 Fax: 519-681-2156 www.kraloyfittings.com



Dimension (in)	A Dia.	2 Length	3 Length	Overall Length
1/2	1.102	0.660	2.465	3.25
3/4	1.314	0.729	2.646	3.50
1	1.610	0.885	2.725	3.75
1 1/4	1.987	0.950	2.895	4.00
1 1/2	2.208	1.075	3.030	4.25
2	2.701	1.140	3.206	4.50

Installation

The 2002 NEC Code (352.44) specifies:

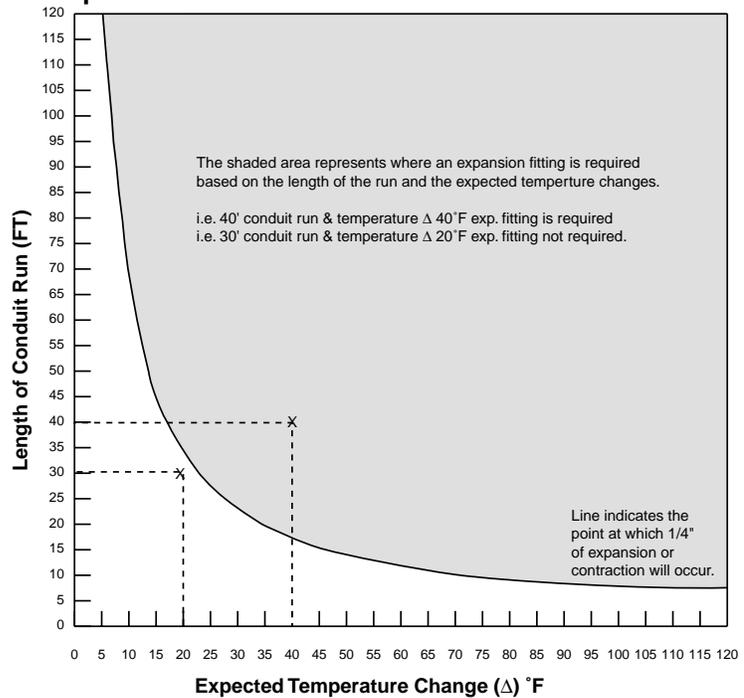
Expansion fittings for Rigid Nonmetallic Conduit shall be provided to compensate for thermal expansion and contraction where the length change is expected to be 1/4" or greater in a straight line between securely mounted items such as boxes, cabinets, elbows or other conduit terminations.

Graph 1 illustrates when expansion fittings are required based on the length of the conduit run and the expected temperature change.

As a general rule 100 feet of PVC conduit will undergo a change in length of 4" for every 100°F temperature change.

On a 30 foot run of PVC conduit or less a single One Piece Expansion Joint fitting will control 1/4" of expansion or contraction regardless of the ambient temperature at time of installation. For long conduit runs the use of Kraloy EJ series expansion joints is recommended.

Graph 1



Installing the One Piece Expansion Joint (OPEJ):

1. Solvent cement the PVC conduit into the conduit hub of the OPEJ and firmly secure the PVC conduit on the solvent cement side of the OPEJ using Kraloy pipe straps.
2. Set the expansion fitting by marking a line 1 1/2" from the end of the conduit to be inserted and insert the conduit into the OPEJ to this mark.
3. Secure and support the conduit raceway using Kraloy pipe straps.

Note:

Expansion fittings are not required when the conduit is embedded in concrete or direct earth buried.

