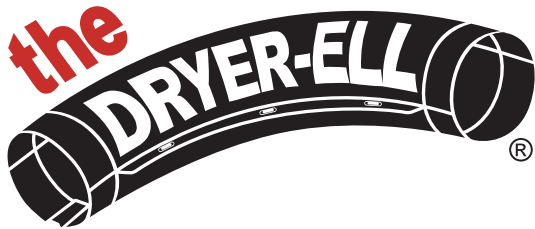


Length of Run Variance Versus Sectioned Elbows



Improve Efficiency



Thanks to its large radius and smooth interior, you reclaim allowable duct length by installing the Dryer-Ell™. In 2006, a UL fact finding study found that it dramatically increases airflow efficiency when measured against typical sectioned elbows. The following comparisons help illustrate the performance advantage.

← **Overcome Length of Run Issues** →

UL Volumetric Airflow Comparison



6 Long Turn Elbows

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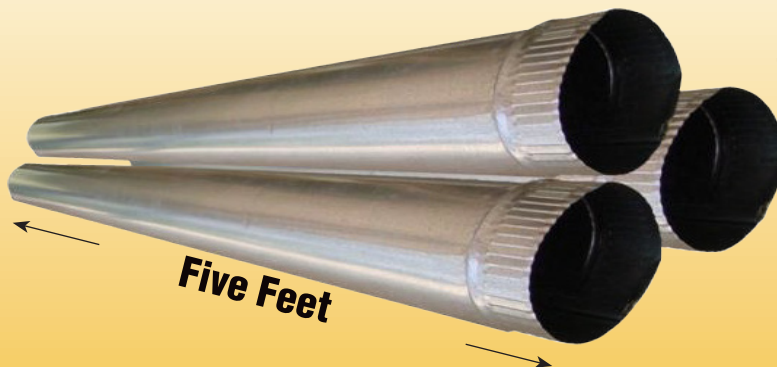


One Typical Elbow

One of Underwriters Laboratories key findings is that it takes six long turn dryer elbows to have the equivalent affect on flow rate as a single sectioned elbow.

Sectioned Dryer Elbow Duct-length Equivalency

Further, the study found that one sectioned dryer elbow affects airflow in the same manner as 15 feet of straight pipe.



15 Feet of Straight Pipe

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One Typical Elbow

Full UL Fact Finding Report Available Online

In-O-Vate
Technologies Inc

888-443-7937

*The Dryerbox®
People*

www.Dryer-Ell.com

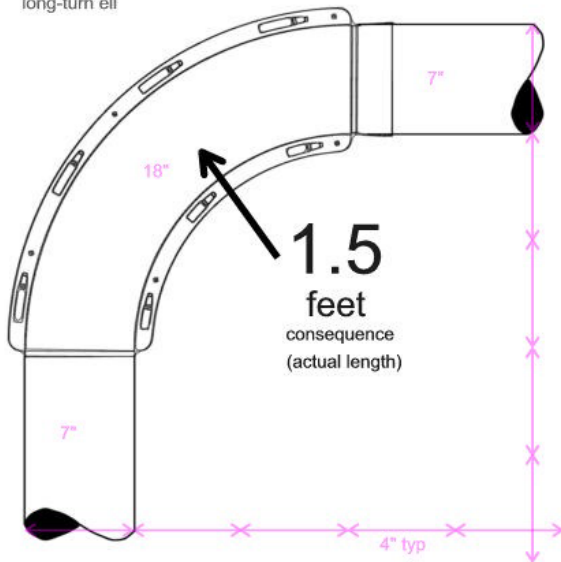
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Technical Efficiency Detail

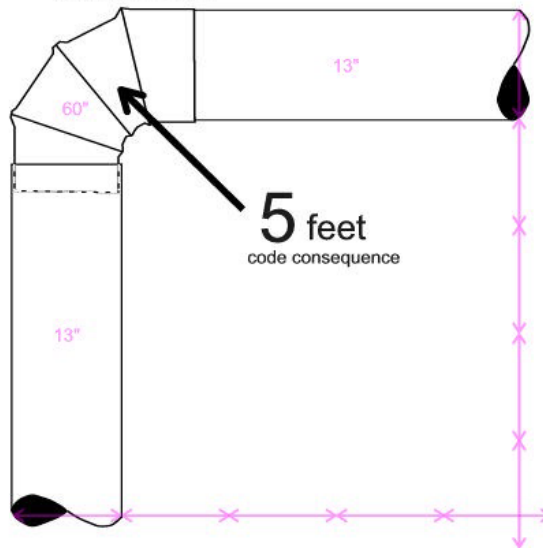
Exact Same Starting and Ending Points

10" Radius
long-turn ell



2' 8" Net Total Duct Run

4" Radius
typical sectioned ell



7' 2" Net Total Duct Run

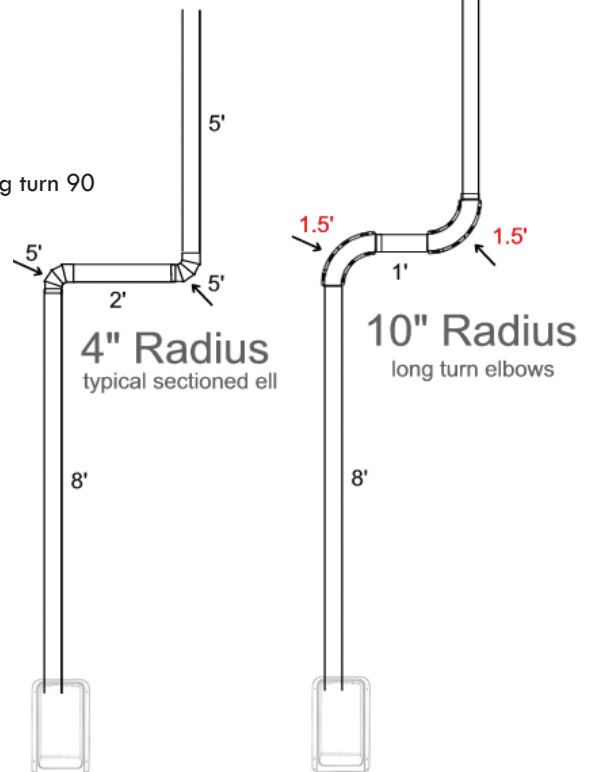
4' 6" Net Savings

When using a 10" radius Long-Turn Elbow
in lieu of the typical 4" radius ell

Current Code

- 504.6.1 25 feet less 5 feet for each typical 90
- M1502.6 25 feet less 5 feet for each typical 90 and 1.5 feet for each long turn 90

Based on accepted ASHRAE methodology for calculating friction loss in ducts and fittings, this innovative new elbow provides key benefits to the builder and tradesmen by removing the five foot reduction consequence found in most building codes. Section M1502.6 of the 2006 International Residential Code permits large radius elbows. Calculations and Engineering details are available online at www.dryer-ell.com



Manufactured By

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