

## ***Fitting Jet fans into a small space***

***A common misconception about Banana Jet®***

- Maximize fan size, minimize number of fans.
  - Misconception: “Banana Jet<sup>®</sup> takes more space than traditional Jet fans”.
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Normally Banana Jet<sup>®</sup> need between 5 - 15% more space

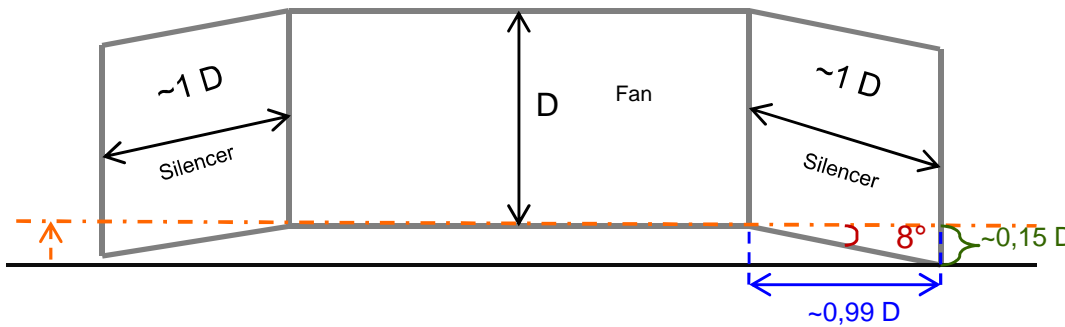
Illustrative

### Alternative Banana Jet<sup>®</sup> fan designs

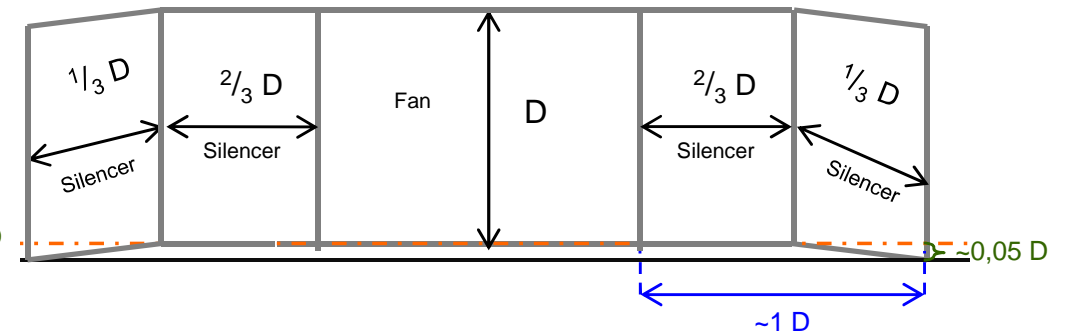
### Additional size requirement for Banana Jet<sup>®</sup>

a) Simple design

b) Space optimized design



Total size:  $\sim 1,15 \times D$



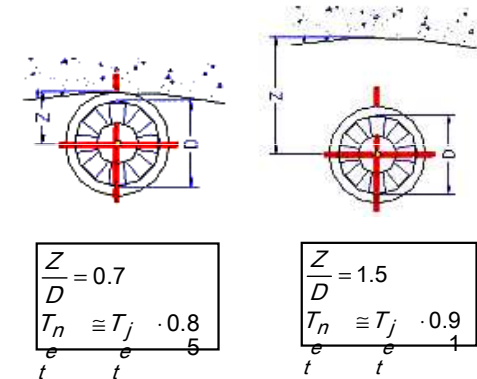
Total size:  $\sim 1,05 \times D$

*In practice Banana Jet<sup>®</sup> needs less space*

Comparison Witt Traditional Jet fans

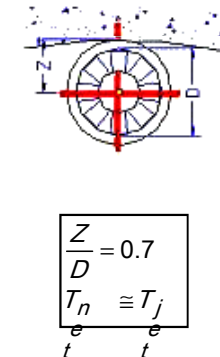
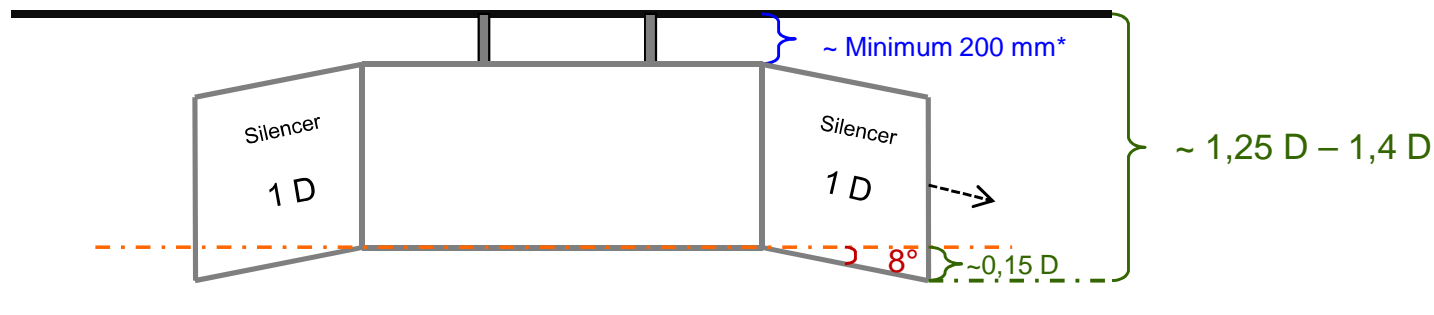
*Illustrative*

a) Traditional Jet fans



D between 710 -1800mm, if less then the efficiency is severely reduced (up to ÷ 15%)

b) Banana Jet<sup>®</sup>



\*In extreme cases this can be reduced to 50 mm.

\*\* Can be reduced to 1,15 D – 1,3 D using divided silencers.

**Banana Jet<sup>®</sup> needs less space than traditional Jet fans  
with much better performance!**