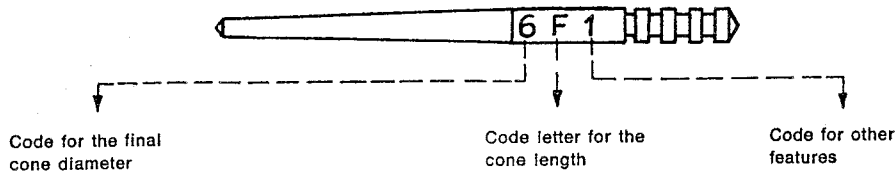


## TECHNICAL BULLETIN

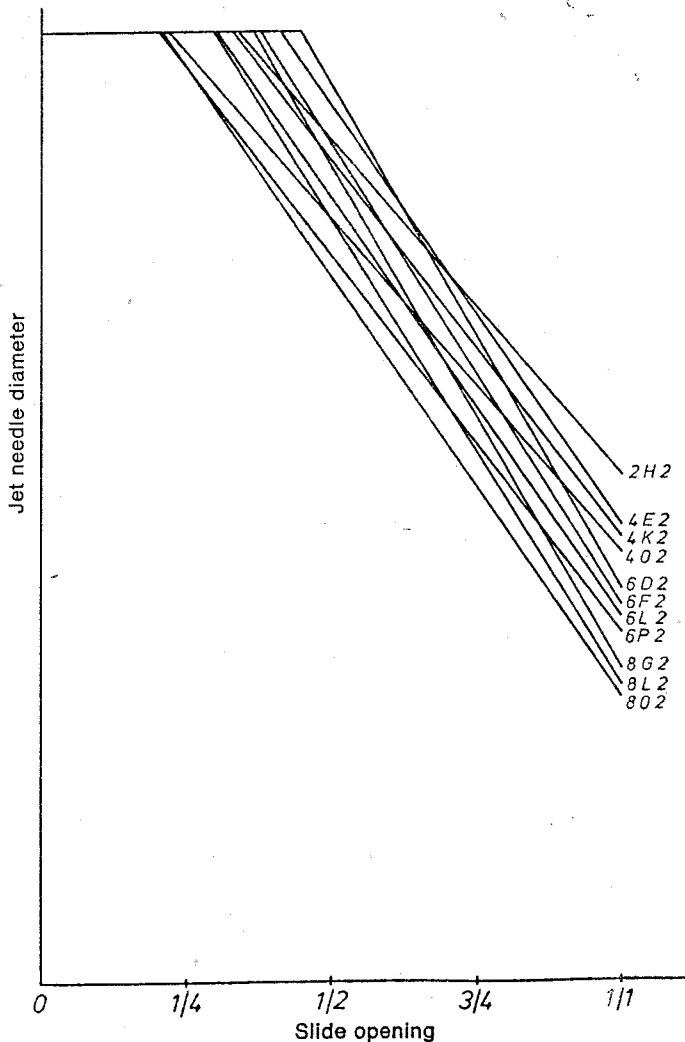
### New Jet Needles and Needle Jets for BING Slide Carburetors 54-2

In order to extend the available adjustments for the BING slide carburettor 54-2 we are introducing further jet needles in addition to the existing ones based on a jet needle cylinder diameter of 3 mm; the new ones are based on a jet needle cylinder diameter of 2.5 mm. The subdivision by sizes and models and also the parts designation is the same as for the previous system:



The jet needle most suited for any particular application is chosen as before:

- Jet needles with a high number code result in a richer mixture above "half throttle"  
(Example: 8 L 2 instead of 6 L 2)
- Jet needles with a high code letter result in a richer mixture below "half throttle"  
(Example: 6 P 2 instead of 6 D 2)
- The adjacent regions are also affected in both cases but to a lesser extent. The following diagram will help when choosing the jet needle.



#### Example:

With 6 D 2 the setting will be too lean at  $\frac{1}{3}$  slide opening.

6 P 2 will be better. If the setting is too rich at  $\frac{3}{4}$  slide opening, it would be preferable to use 4 O 2.

The new jet needles also have three mounting positions which allow the entire partial load range to be adjusted evenly for richer or leaner mixtures. In the diagram this means that the characteristic for the jet needle used is given a parallel displacement.

When ordering quoting the jet needle designation please also quote the BING parts number 46-360.

Example: 46-360-6 P 2

The region below  $\frac{1}{3}$  slide opening is matched as before using the needle jet which is available in the following increments:

- 2.60 – 2.62 – 2.64 – . . . . .
- 2.82 – 2.84 – 2.86 – 2.88

The order number is 45-120, for size 2.80 it would therefore be: 45-120/2.80.

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