



## Componentes do Motor FIRE

### Cabeçote superior

O cabeçote aloja os comandos de admissão e descarga. No FIRE, os posicionamentos mais próximos uns dos outros devido ao menor ângulo entre válvulas. Sua câmara de combustão é mais compacta, permitindo aumento do seu rendimento térmico.



O comando de descarga é acionado diretamente por correia dentada, e o comando de admissão é acionado pelo comando de descarga por meio de um par de engrenagens na parte traseira do cabeçote.

### Cabeçote inferior

A nova câmara de combustão possui fluxo cruzado: válvulas de admissão e descarga opostas e coletor de admissão e descarga também opostos. Maior razão de compressão: 10,2 : 1.



### Bloco do motor

Dimensões dos cilindros (mm):  
 Classe A (normal): 70,800 - 70,810  
 Classe B (normal): 70,810 - 70,820  
 Classe C (normal): 70,820 - 70,830  
 Motor majorado (+ 0,10 mm):  
 Classe a (majorado): 70,900 - 70,910  
 Classe b (majorado): 70,910 - 70,920  
 Classe c (majorado): 70,920 - 70,930



### Sub-bloco do motor

Fabricado em alumínio, tem como característica principal apoiar a árvore de manivela, mantendo a função dos mancais. O sub-bloco aumenta a rigidez estrutural sem aumentar o peso da estrutura.



### Bielá fraturada

A biela é fundida em uma única peça e posteriormente separada pelo princípio da fratura, permitindo uma montagem mais precisa ao invés do corte e usinagem convencional. Com isto, a união posterior se dá de forma uniforme, com as granulações se encaixando perfeitamente, sem resacas ou deslocamentos, reduzindo o desgaste dos casquilhos e a emissão de ruídos.

Torque de aperto dos parafusos M8 de biela: 2 [Nm] + 40°



# Manual Do Palio Fire

**Hussin A.Rothana**



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