

TECHNICAL FILE

Trademark:



Type: *W80*

Manufacturer: **COMER SpA**

42011 Bagnolo in Piano (RE) ITALY



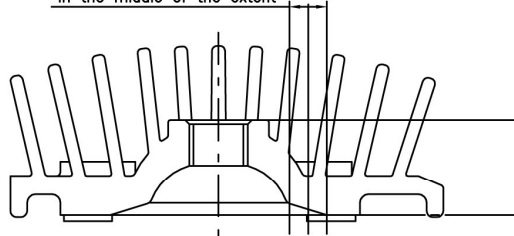
FACTORY ORIGINAL PARTS ONLY ADMITED
ANY MATERIAL REMOVAL OR POLISHING IS FORBIDDEN
THE ENGINE MUST BE ORIGINAL

TECHNICAL INFORMATION

BORE	52	Fuel	- Mix. 5%
		Ignition	- Electronic "SELETTA"
STROKE	38	Clutch	- Centrifugal single piece
		Drive	- Sprocket T.11-12
CAPACITY	81 cc.	Carburettor	- Tillotson HL 166
		Cylinder	- NICASIL

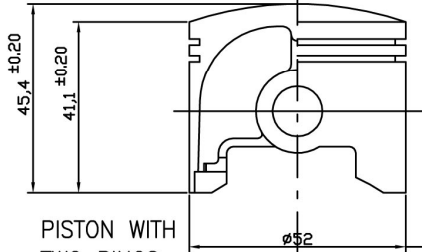
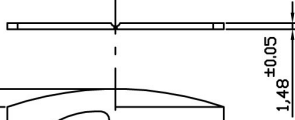
STAMP AND SIGNATURE
(National Sporting Authority)

SQUISH MIN. 1mm
in the middle of the extent



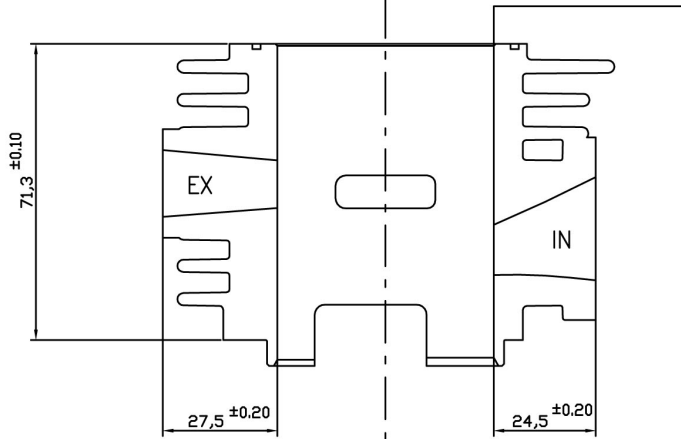
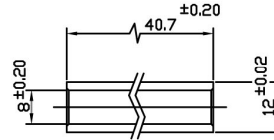
COMBUSTION CHAMBER
VOLUME 8.3cm Minimum
measured on the spark plug surface
using Shell oil Advance M mixed
with fuel 50%

PISTON RING



PISTON WITH
TWO RINGS

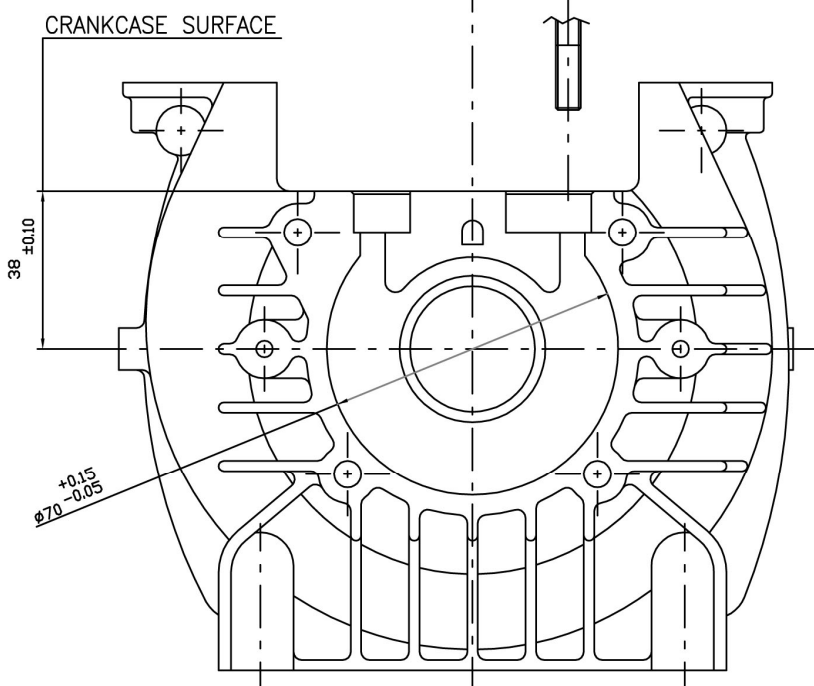
AA	- 52.01
A	- 52.00
B	- 51.99
C	- 51.98
D	- 51.97



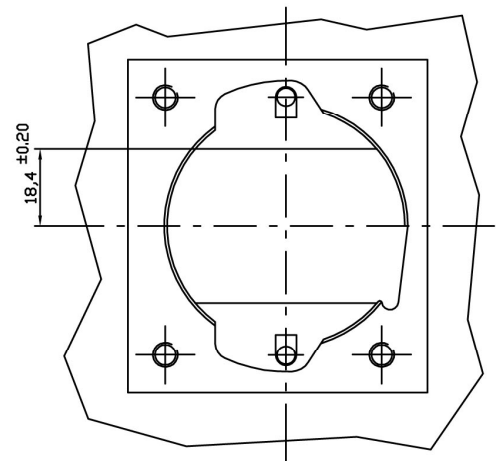
CYLINDER

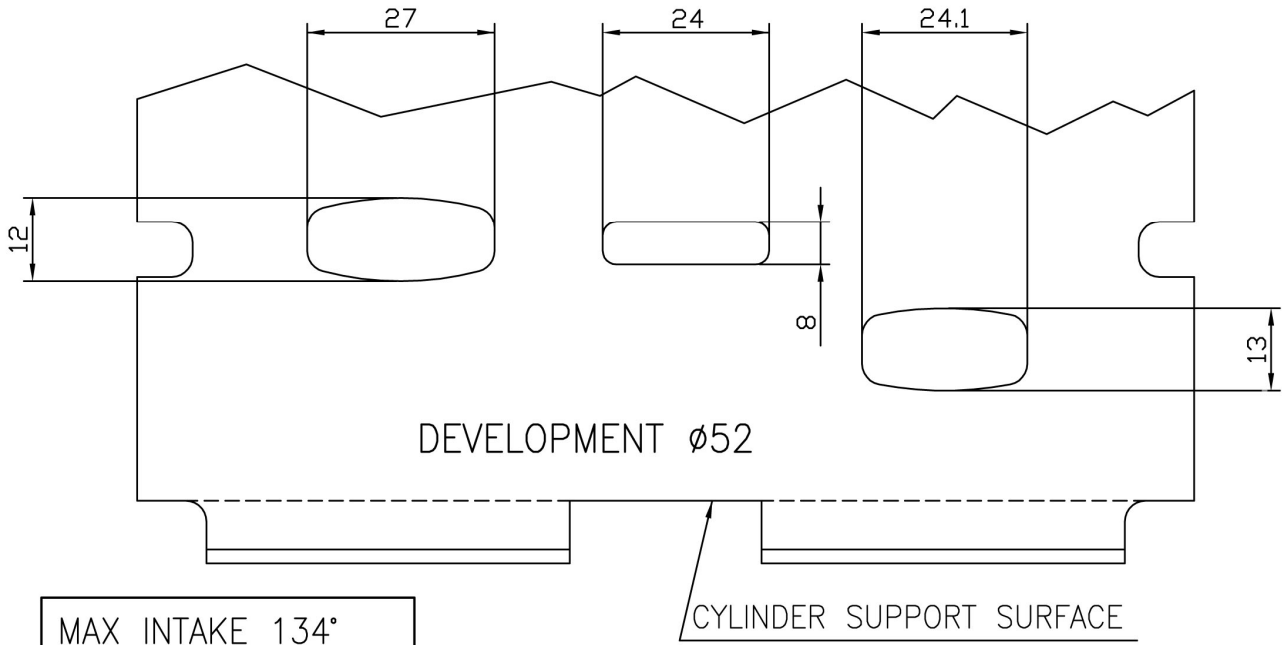
AA	- 52.054-52.045
A	- 52.044-52.035
B	- 52.034-52.025
C	- 52.024-52.015
D	- 52.014-52.005

CRANKCASE SURFACE



CRANKCASE SURFACE

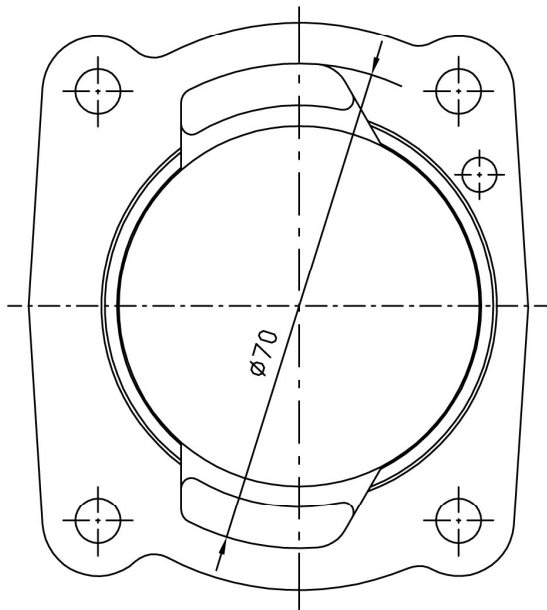




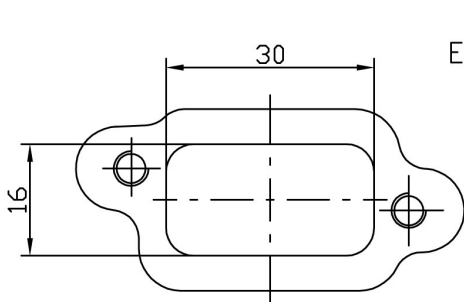
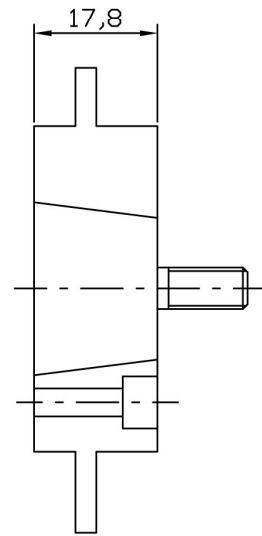
MAX INTAKE 134°
MAX EXHAUST 153°
MAX TRANSFER 124°

ALL MEASUREMENTS DONE WITH
0.2 FEELER GAUGE WIDE 8 mm

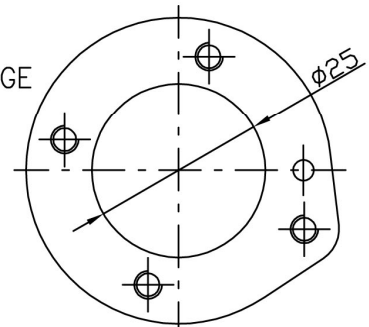
TOLERANCES ± 0.30 mm

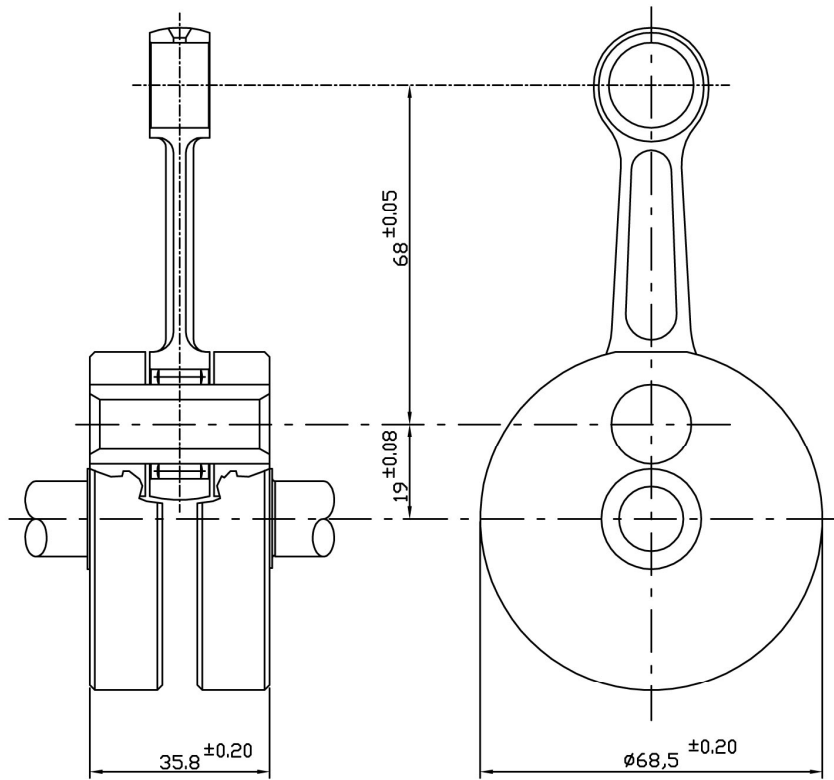


TOLERANCES ± 0.30 mm

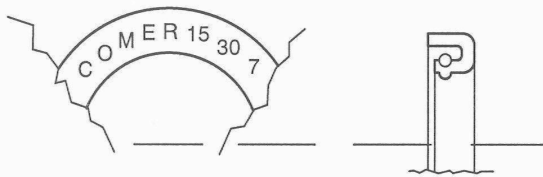


CYLINDER EXHAUST FLANGE





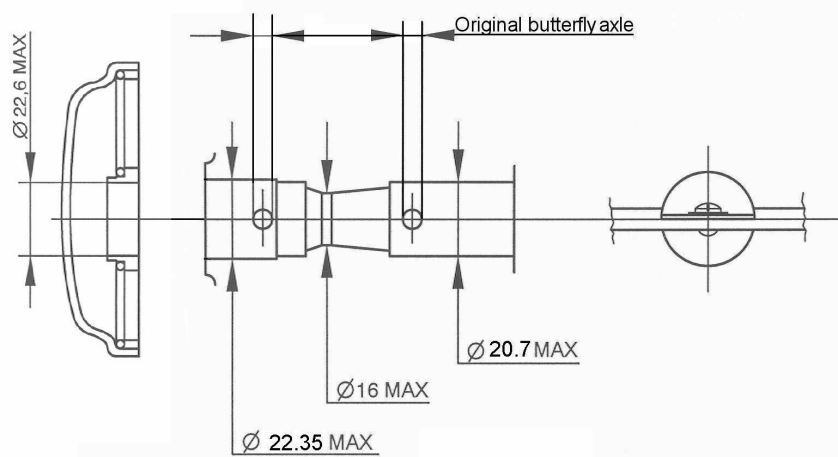
ORIGINAL ROLLER CAGES



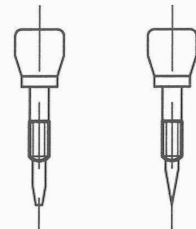
ORIGINAL OIL SEALS WITH SPRING
8 BALLS BEARING WITH IRON CAGE

ORIGINAL CARBURETTOR "TILLOTSON HL 166"

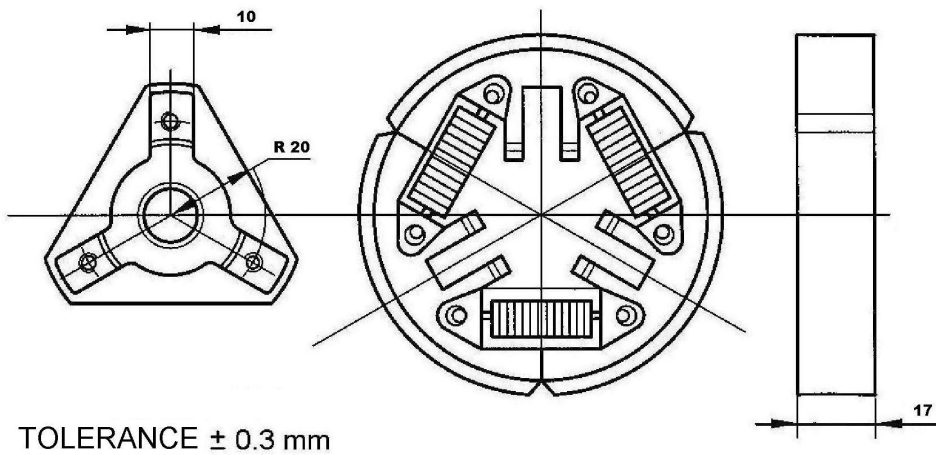
max. Venturi \varnothing 16 mm.



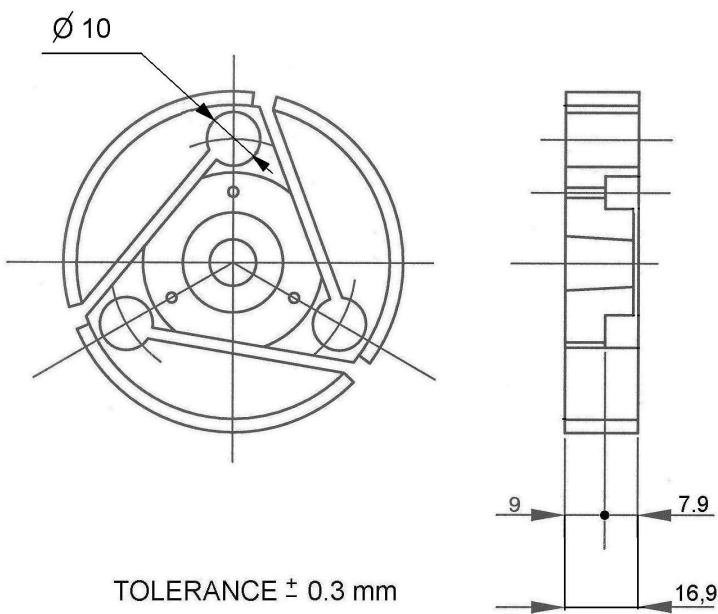
OPTIONAL



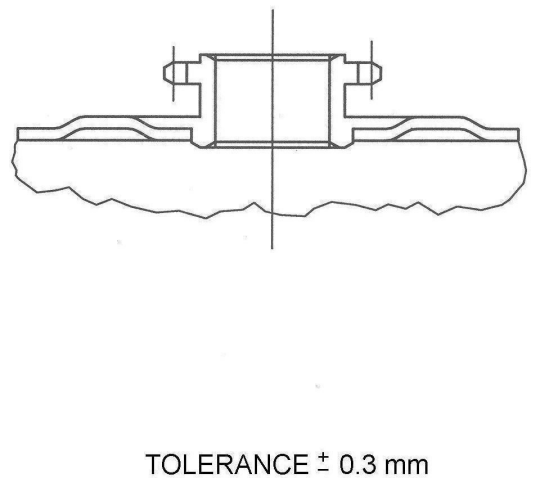
CLUTCH

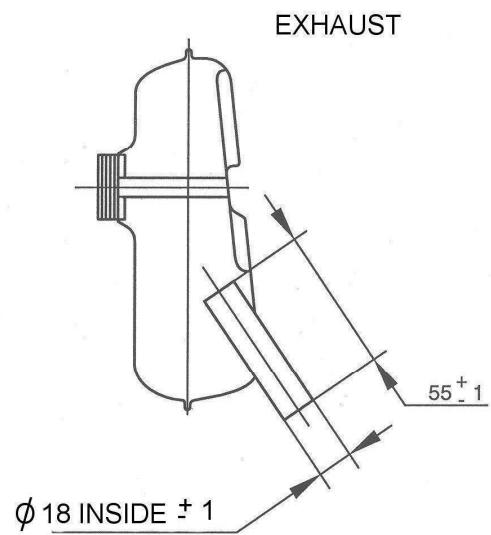


CLUTCH



COMER SPROCKET
11-12 TEETH PITCH





ELECTRONIC IGNITION

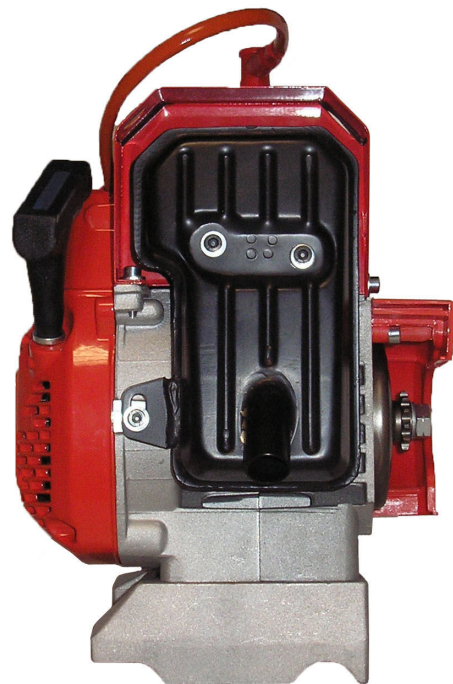
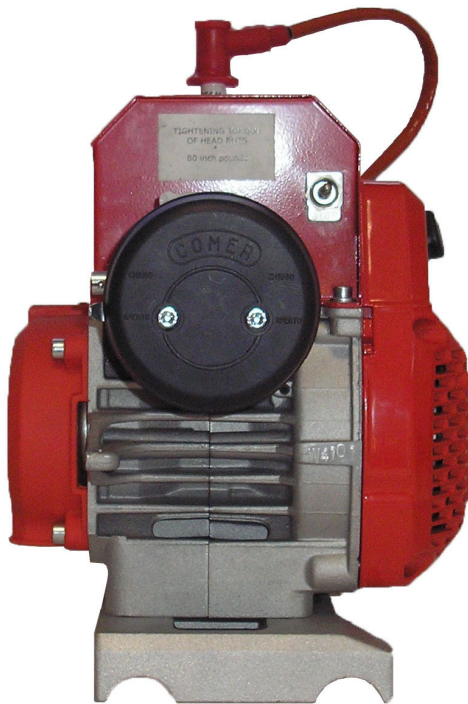
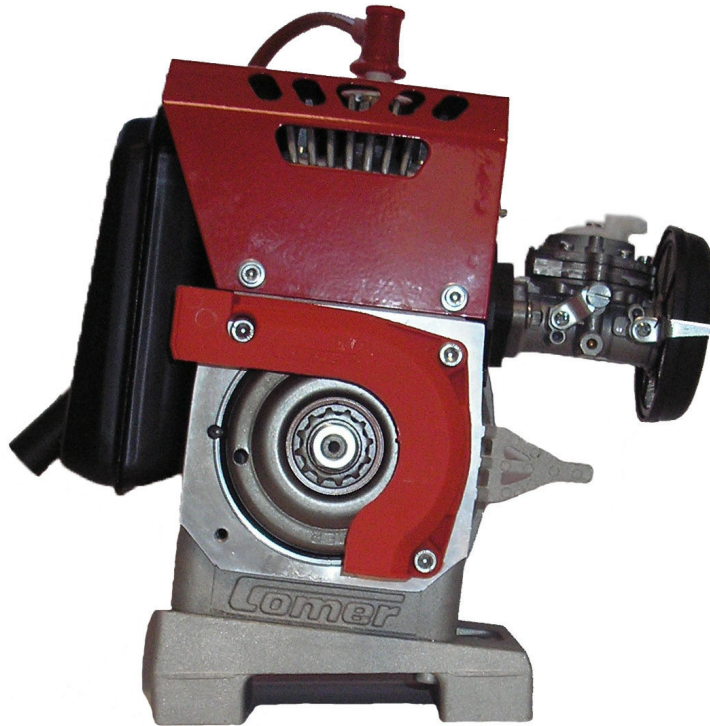
SELETTRA

RECOMENDED SPARK PLUGS:

BOSCH W2AS-W08AS

SPARK PLUG CAP

COMER ORIGINAL



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