

**DT 2 ENDURO**

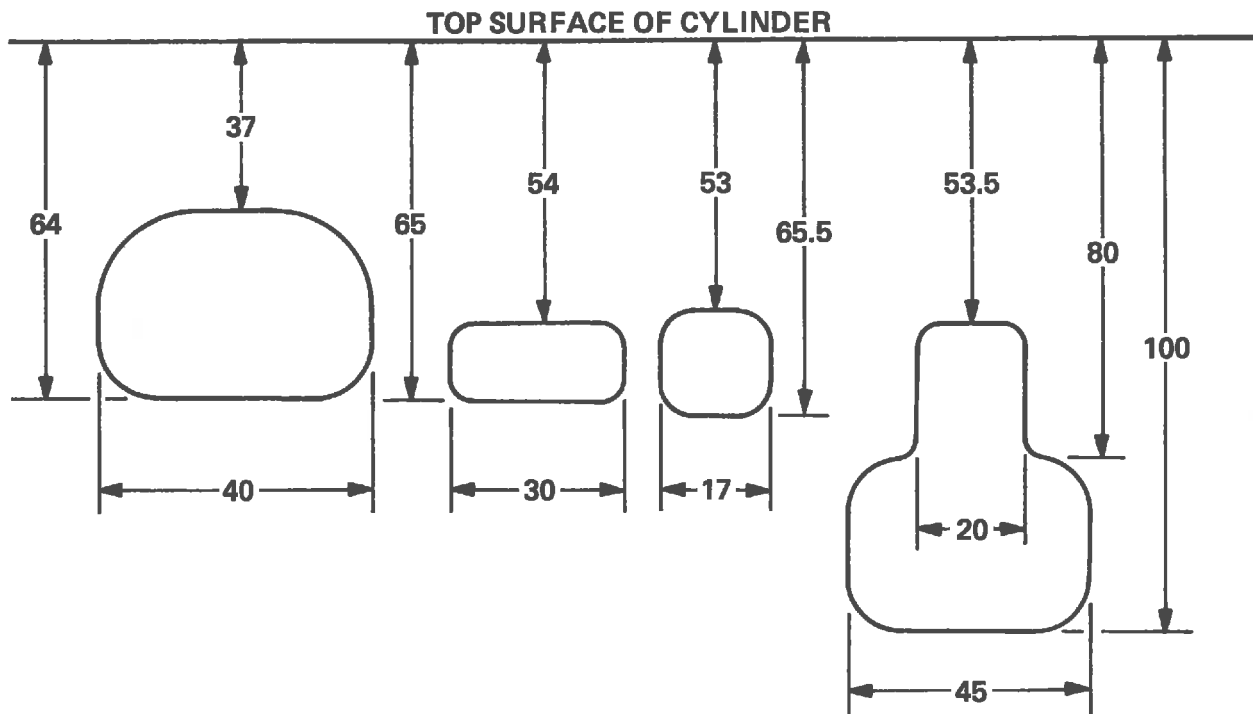
Displacement: . . . . . 246cc  
 Bore and Stroke: . . . . . 70 x 64mm  
 Number of Cylinders: . . . . . 1  
 Use: . . . . . Street and Trail  
 Cylinder Head Volume: . . . . . 31cc  
     P/N 314-11111-00-00  
 Compression Rate: . . . . . 6.8 to 1  
 Carburetor Size: . . . . . VM 26 SH  
     P/N 311-14101-60-00  
 Ignition Timing: . . . . . 3.2mm BTDC  
 Spark Plug Heat Range: . . . . . NGK B 8 ES

**Special Parts:**

Wide Ratio Transmission

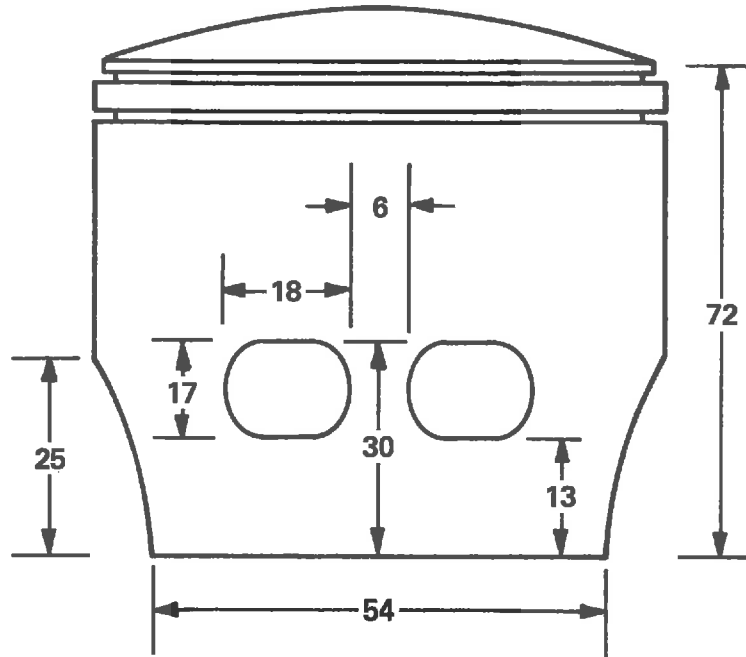
DT 2 ENDURO

Port Diagram  
Cylinder Part No. 308-11311-01-00  
All Dimensions in Millimeters:  
Tolerance:  $\pm 0.5\text{mm}$



**DT 2 ENDURO**

Piston Diagram  
Piston Part No. 311-11631-00-96  
All Dimensions in Millimeters:  
Tolerance:  $\pm 0\text{mm}$





**DT 2 MOTOCROSS**

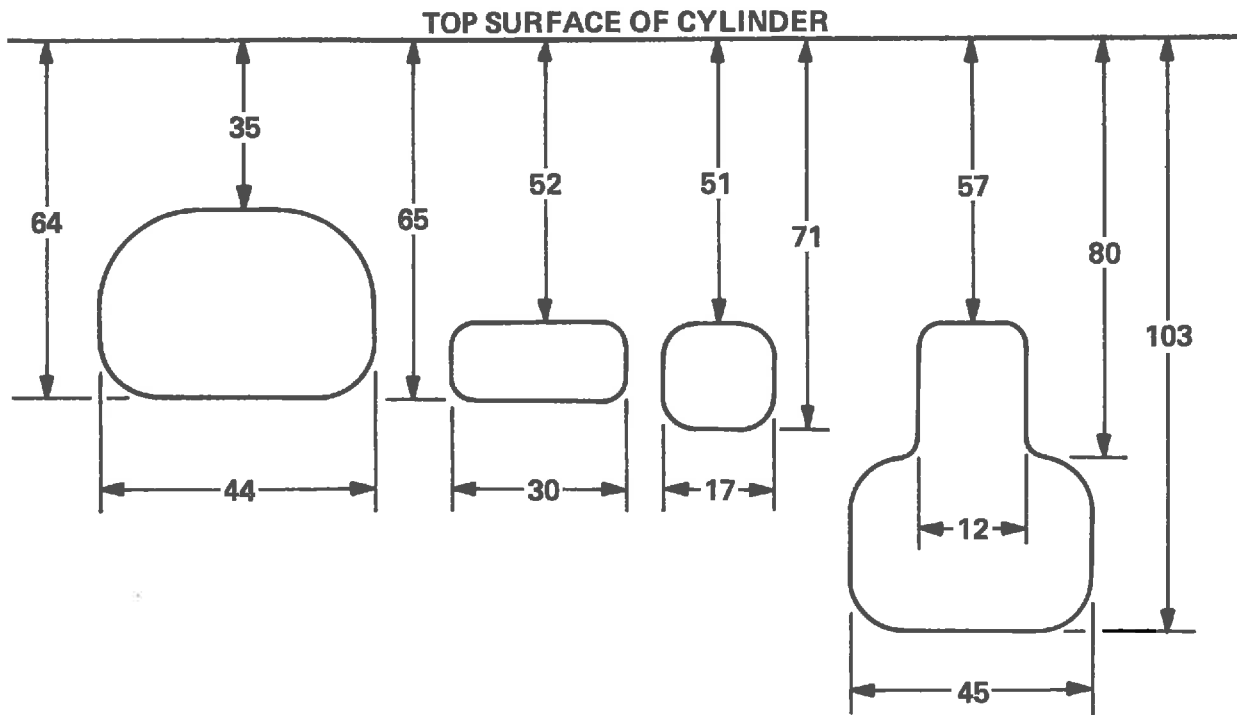
Displacement: . . . . . 246cc  
 Bore and Stroke: . . . . . 70 x 64mm  
 Number of Cylinders: . . . . . 1  
 Use: . . . . . Motocross and Scrambles  
 Cylinder Head Volume: . . . . . 28cc  
 P/N 324-11111-01-00  
 Compression Ratio: . . . . . 7.3 to 1  
 Carburetor Size: . . . . . VM 30 SC  
 P/N 313-14101-60-00  
 Ignition Timing: . . . . . 2.3mm BTDC  
 Spark Plug Heat Range: . . . . . NGK B 9 EN

**Special Parts:**

Rod Bearing: . . . . . Silver Cage  
 P/N 93310-52440  
 Ignition System:  
 P/N 324-81500-10-00 Magneto Assembly  
 P/N 324-82310-10-00 Coil Assembly  
 P/N 324-81517-00-00 Wire  
 Close Ratio Transmission:  
 Expansion Chamber  
 P/N 322-14610-10-00

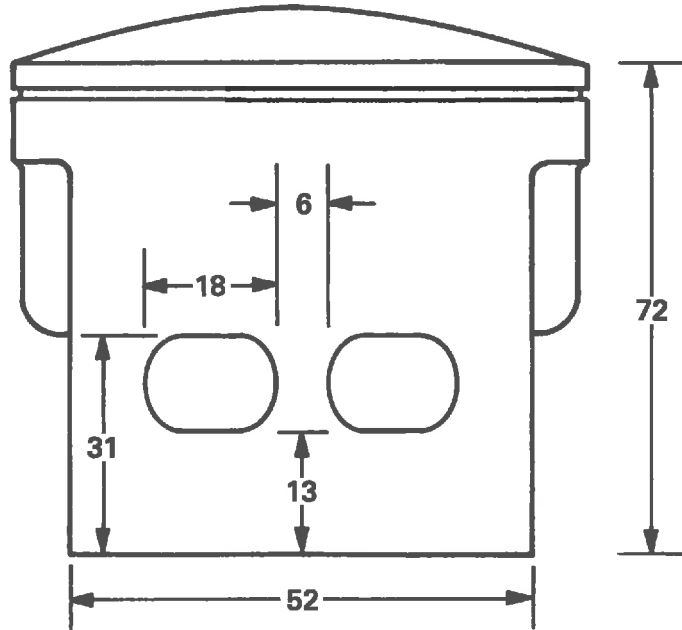
**DT 2 MOTOCROSS**

Port Diagram  
Cylinder Part No. 324-11311-00-00  
All Dimensions in Millimeters:  
Tolerance:  $\pm 0.5\text{mm}$

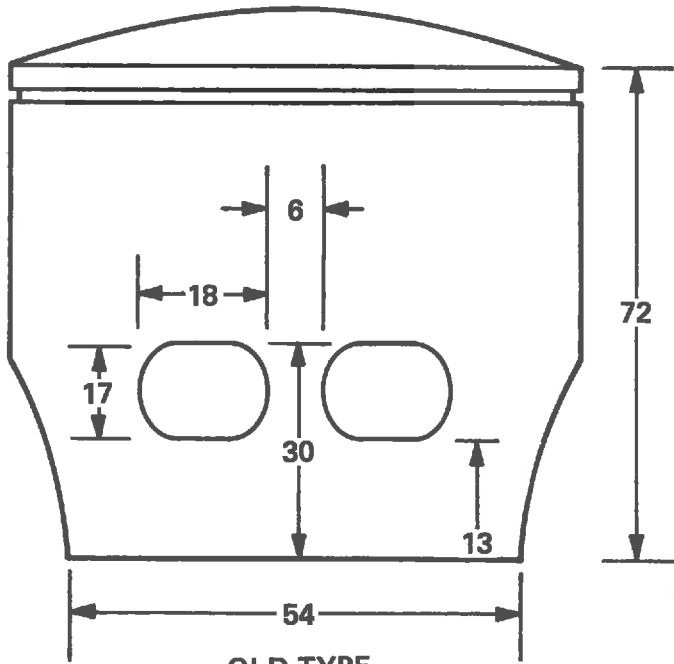


**DT 2 MOTOCROSS**

Piston Diagram  
Piston Part No. 324-11631-00-96  
All Dimensions in Millimeters:  
Tolerance:  $\pm 0$ mm



**NEW TYPE**



**OLD TYPE**

**PISTON P/N 313-11631-00-96**

1972

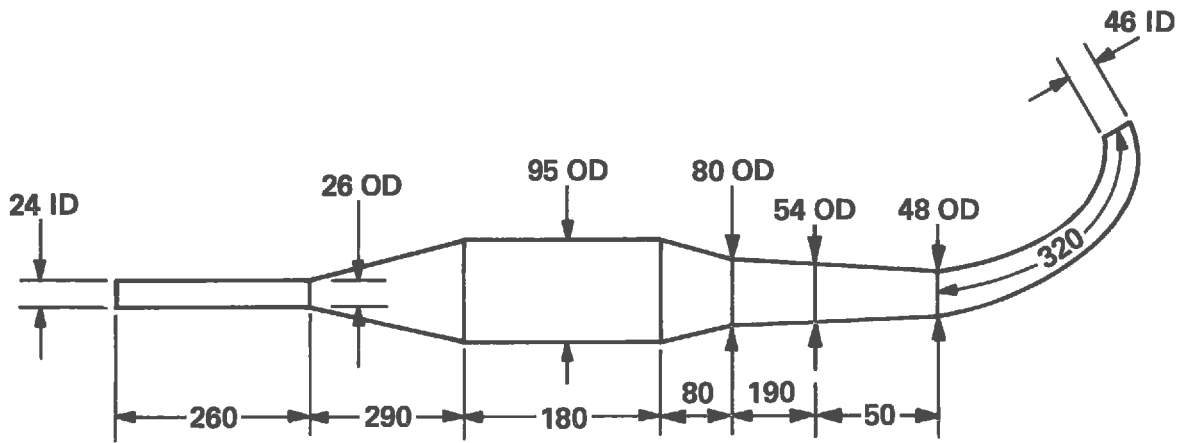
**DT 2 MOTOCROSS**

Expansion Chamber

Part No. 322-14610-10-00

All Dimensions in Millimeters:

Tolerance:  $\pm 1.0\text{mm}$





**DT 2 MOTOCROSS SPECIAL**

Displacement: . . . . . 246cc  
 Bore and Stroke: . . . . . 70 x 64mm  
 Number of Cylinders: . . . . . 1  
 Use: . . . . . Short Track, 1/2 Mile and TT  
 Cylinder Head Volume: . . . . . 24.2cc  
     P/N None – Special  
 Carburetor Size: . . . . . VM 34 SC  
     P/N 322-14101-60-00  
     . . . . . VM 38 SC  
     P/N – Not Available  
 Ignition Timing: . . . . . 2.5mm BTDC  
 Spark Plug Heat Range: . . . . . NGK B 9 EN

**Special Parts:**

NOTE

New rods are not slotted.

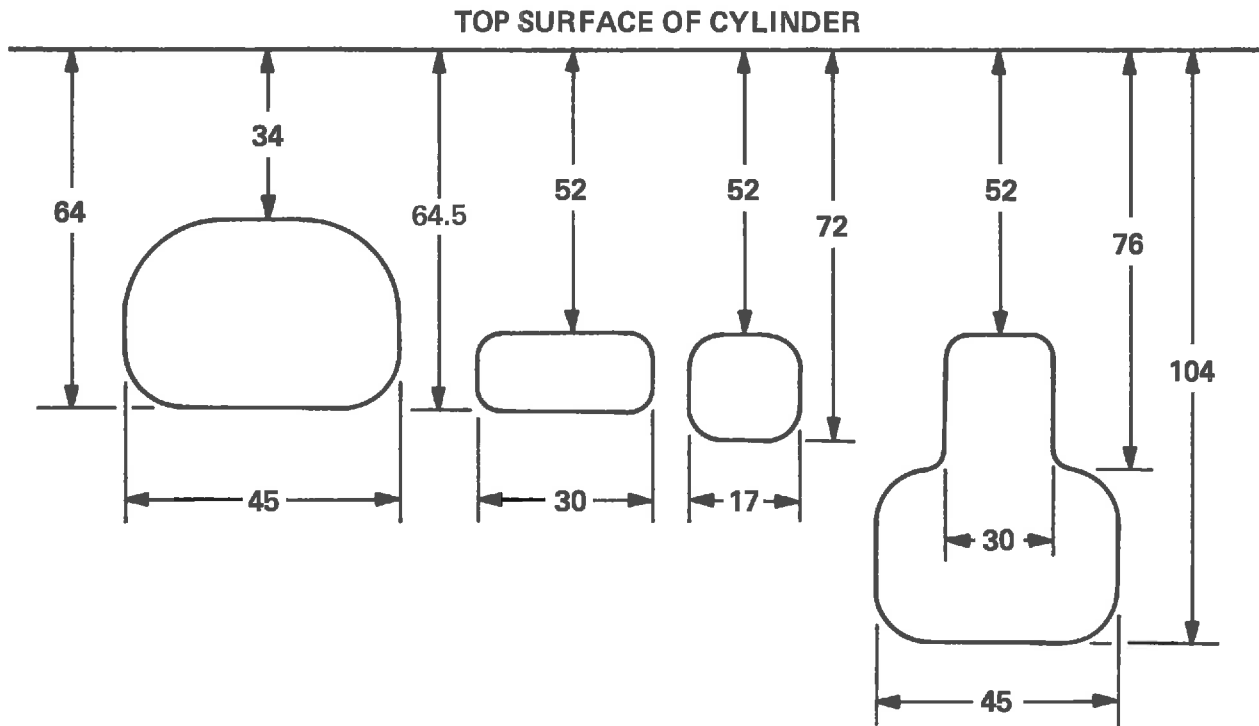
Rods: Two types may be used:  
     DT 1 MX – must be slotted. . . . . 2mm wide, 14mm long  
     P/N 214-11651-00-00  
     DT 2 MX – must be slotted. . . . . 2mm wide, 14mm long  
     P/N 311-11651-00-00  
 Rod Bearing: . . . . . Silver Cage  
     P/N 93310-52440-00  
 Ignition System:  
     P/N 322-85500-10-00 CDI Magneto Assembly  
     P/N 322-82310-10-00 Coil  
     P/N 322-85540-10-00 CDI Unit Assembly  
     P/N 322-85517-00-00 Wire  
 Ultra Close Ratio Transmission  
     P/N 322-17000-10-00  
 Expansion Chamber  
     Special

**DT 2 MOTOCROSS SPECIAL**

Port Diagram  
 Cylinder Part No.  
 All Dimensions in Millimeters:  
 Tolerance:  $\pm 0.5\text{mm}$

**CAUTION**

After widening rear boost port, be sure to check that ring gap is between rear transfer port and rear boost port.



**DT 2 MOTOCROSS SPECIAL**

DT 2 Piston Diagram  
 Piston Part No. 324-11631-00-96  
 All dimensions in millimeters.  
 Tolerance: + 0mm.

A DT 1 MX piston may be used as an alternate for a DT 2 MX piston. If using a DT 1 MX piston, go to next page.

**CAUTION**

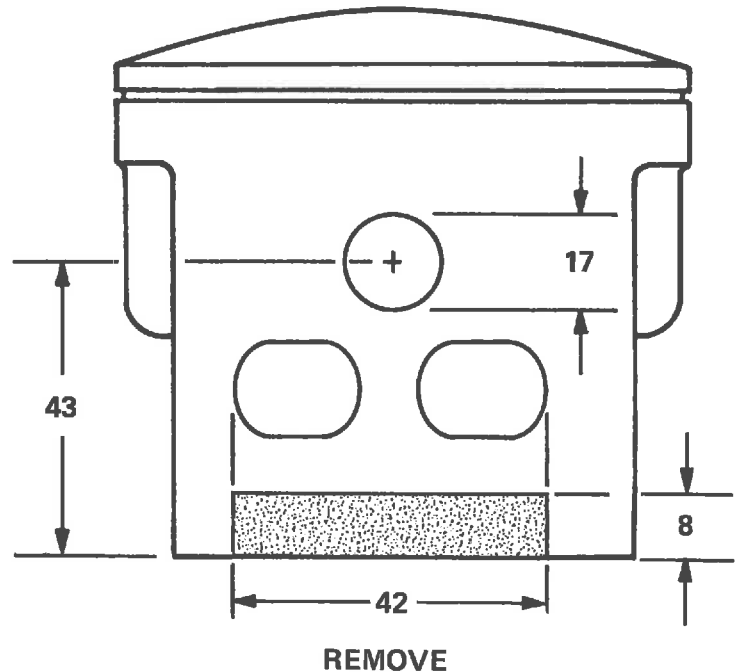
When using a DT 2 MX piston, always use a DT 2 MX connecting rod.

After cutting off a portion of the piston skirt, be sure to check for cracks along edge of skirt and around intake ports after each race.

If there is evidence of cracks or extreme wear, replace piston.

**NOTE**

When modifying piston skirt, be sure to modify the intake side only. This will change port timing.



## DT 2 MOTOCROSS SPECIAL

DT 1 MX Piston Diagram  
 Part No. 285-11631-00-96  
 Piston Ring Part No. 285-11611-00-00  
 All dimensions in millimeters.  
 Tolerance: + 0mm.

**CAUTION**

The DT 1 MX piston is 5mm shorter than DT 2 MX piston. Therefore, always use DT 1 MX connecting rod when using DT 1 MX piston.

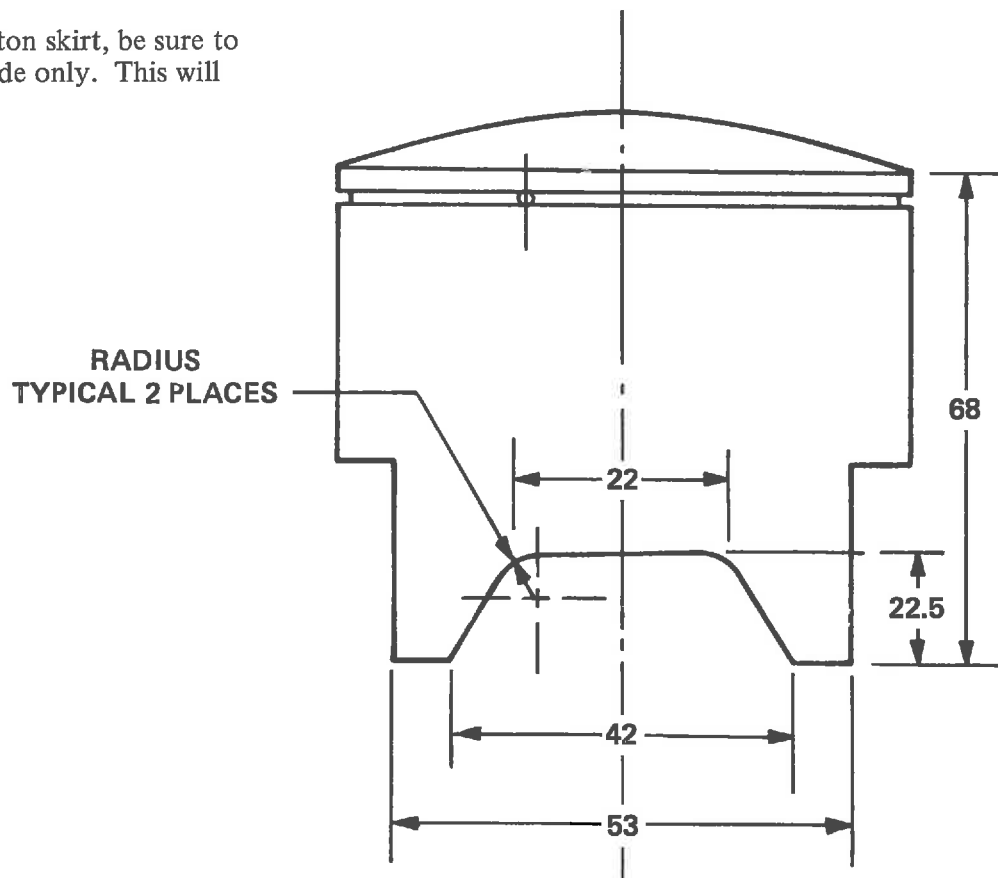
When DT 1 MX piston is used with DT 2 MX cylinder, ring gap must be relocated.

After cutting off a portion of the piston skirt, be sure to check for cracks along edge of skirt and around intake ports after each race.

If there is evidence of cracks or extreme wear, replace piston.

**NOTE**

When modifying piston skirt, be sure to modify the intake side only. This will change port timing.



**DT 2 MOTOCROSS SPECIAL**

Expansion Chamber  
Material Thickness 1mm  
All Dimensions in Millimeters:  
Tolerance:  $\pm 1.0\text{mm}$

