



New Launch- GOETZE PISTONS

In continuation to our new launch, we are delighted to introduce piston.

For TOYOTA FORTUNER , PRADO LAND CRUISER

Piston Set no. 4389PPC; Size: STD

Cyl. Bore Dia.– 96 mm



Part No:	04389PPC
Application:	Fortuner , Prado land cruiser
Nominal Bore Diameter :	96.015
Piston Diameter :	95.935
Top Land height:	10.0
Piston Liner Clearance :	0.080
Compression Height :	49.63
Total Height :	78.5
Pin Diameter x Length	34 x 73
Pin bore clearance :	7μ-15μ
Pin Coating	NA
Groove height 1 st / 2 nd and oil	2.124/1.59/3.03
Material	B2+
Coating	Phosph.+AV13D
Oe part number	13211-0W110 /13211-0L110
Pin hole offset	0.25
Surface treatment	Phosph.+AV13D
Pin bore feature	Profiled pin bore (Trumpet)
Matching Ring	Under development

Some features& benefits:

High Durability Aluminium –Silicon Alloy

NI-Resist CI Ring Carrier in 1st Ring Groove for more life

Advanced moly coating for better bedding and initial lubrication

Cooling gallery for durability and stability



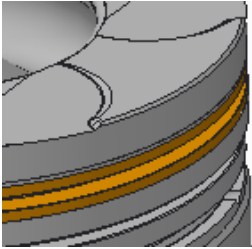
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Ni Resist groove insert



Gallery Cooled



S.No.	Special Features	Benefits to customer
1	Special Aluminium Silicon Alloy	Lesser expansion hence can work with lesser clearance.
2	CNC Milled Bowl	Helpsincompletecombustionandhencebetterfuelaverageand
3	Solid Section Above Pin boss	Provides more strength to piston and hence longer life.
4	Optimized Inner Contour	Piston can withstand heavy thermal loads .
5	RCP Type	Reduces top ring groove wear and hence longer engine life.
6	Advanced moly coating	Providesinitiallubricationandhenceprevents coldstartscuffing
7	As Cast Slipper Design	Better oil drainage & hence lesser oil consumption.
8	Cooling Gallery	For Increased durability at elevated temperatures
9	Thin Top Land	Lesser dead volume & lesser emissions
10	Phosphating all over	Faster bedding in and longer shelf life
11	Profiled pin bore	For increased load carrying capacity

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