

Piston Parts Specification Sheet

Rotary group and wear part coverage for the A2F, A4V, A6V, A7V, A8V, A10V and A11V frames.

Frame Coverage

Family	Nominal Sizes We Machine
A2F	12 23 28 55 80 107 125 160 180 200 225 250 355 500 1000
A2FO	10 12 16 23 28 32 45 56 63 80 107 125 160 180 200 225 250 500 1000
A2FM	10 12 16 23 28 32 45 56 63 80 90 107 125 160 180 200 225 250 500 1000
A4V	40 56 71 90 125 180 250 355 500
A4VSO	28 40 50 56 71 90 125 180 250 355 500
A4VG	28 40 45 56 71 90 125 180 250 355 500
A6V	28 55 80 107 125 160 200 250 355 500 1000
A6VM	28 56 63 80 107 160 200 250 355 500
A7V	28 55 80 107 125 160 200 250 355 500 1000
A7VO	28 56 63 80 107 160 200 250 355 500
A8VO	55 80 107 160 200 250
A10VO	16 18 28 45 71 100 140
A10VG	18 28 45 63
A10VD	40 43
A11VO	35 50 60 75 95 130 160 190 200 250 260 355 500
A11VG	35 50

Rotary Group Content

Part	Specification
Cylinder blocks	Case hardening steel with a sintered bronze running face, bonded and machined after sintering
Pistons and shoes	Case hardening steel with a bronze shoe face, swaged and hydrostatically balanced
Valve plates	Bearing steel or bronze faced steel depending on the frame, lapped to a mirror finish
Drive shafts	Alloy steel, carburised and hardened on the spline and bearing seats, ground on centres
Vanes and rotors	High speed tool steel and case hardening steel, hardened and ground on all working faces
Cam rings	Bearing quality alloy steel, through hardened then profile ground
Seals	Nitrile as standard, fluorocarbon or polyurethane on request for hot or fire resistant fluid duty

Parts Available Singly

- Cylinder blocks with sintered bronze running faces
- Piston and shoe assemblies, swaged and clearance checked piece by piece
- Valve plates, swash plates, cradles, retainer plates and ball guides

- Piston rings by size group
- Drive shafts, bearings, press pins, springs and seal kits

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