

Type 1 & 3 Air Cooled, & Type 4 Water Cooled

Description	Part Number	C.I.D. Group	Grind	Lobe Sep.	Advertised Duration		Duration @ .050"		Gross Lift 1.1 / 1.1		Suitable Component Kit
Smooth idle. Great all around stock replacement cam. Super torque profile. RPM Power Range: 1000 - 5000+	61002	ALL CID	B260F	110°	260°	268°	220°	227°	.375"	.381"	84261
Fair idle. Good bottom end profile with mid-range power. Emphasis on torque. RPM Power Range: 1800 - 6000+	61000	ALL CID	M268F	110°	268°	268°	227°	227°	.354"	.354"	84261
Fair idle. Competition profile. Super torque and mid-range profile for 1600cc engines. RPM Power Range: 2000 - 7000+	61003	ALL CID	VW276F	107°	276°	284°	234°	244°	.398"	.421"	84261 84361
Fair idle. High torque profile with emphasis on the top end for 1800cc engines and under. RPM Power Range: 2500 - 7500+	61004	ALL CID	VW284F	107°	284°	290°	244°	252°	.424"	.446"	84261 84361
Fair idle. Broad mid-range and top end power for 2180cc engines and under. RPM Power Range: 2500 - 7500+	61005	ALL CID	VW290F	107°	290°	298°	252°	260°	.447"	.460"	84361
Fair idle. Broad mid-range and top end power for engines with increased compression. RPM Power Range: 3000 - 8000+	61006	ALL CID	VW298F	107°	298°	306°	260°	272°	.462"	.482"	84361
Rough idle. Strong mid-range and top end power for 2000cc engines or larger with increased compression. RPM Power Range: 3500 - 8500+	61007	ALL CID	VW306F	107°	306°	312°	272°	280°	.481"	.500"	84361
CUSTOM GROUND VW CAMS Special order custom ground profiles available. Proprietary and confidential profiles also available. See specs listed below. Type 1 & 3	00004	ALL CID	Refer to www.crower.com for camshaft recommendation								
CUSTOM GROUND VW CAMS Special order custom ground profiles available. Proprietary and confidential profiles also available. See specs listed below. VW Type 4	00004V	ALL CID	Refer to www.crower.com for camshaft recommendation								

Note: These cams use .006" intake, .008" exhaust valve lash.

Note: Water cooled cam cores also available for Rabbit, Scirocco, Jetta and Dasher (1972-90) 4 cyl. P/N 00161

Note: Increasing rocker ratio and spring pressure in these camshafts may enhance the performance characteristics of these camshafts, depending on engine setup.

ENGINEERED COMPONENT KITS

Part No.	Lifters	Springs	Retainers	Remarks
84261	66961-8	68141-8	87045-8	For rpm up to 6500 plus.
84361	66961-8	68404-8	87044-8	For rpm up to 8000 plus.

SPECIAL ORDER

VOLKSWAGEN CAMSHAFTS

COMPETITION PROFILES

Whether you're running the Type 1, 3 or 4 engine, Crowder has hundreds of cam profiles that will deliver increased performance. Call with the following information for a proper **recommendation**:

- Engine specs (bore, stroke, etc...).
- Connecting rod length.
- Intake and exhaust flow figures (intake and exhaust manifold lengths).
- Intended operating power range and type of fuel.
- Data on your best existing camshaft.
- Rocker ratio information (intake and exhaust).
- Installed valve spring height (see diagram 2).
- Conventional flat tappet (cast iron), hardface or roller tappet (Type 1 and 3 only).

Spring pressure:

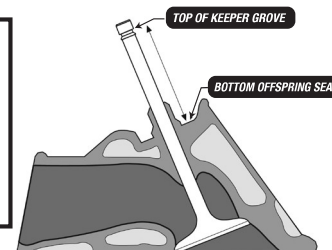
68141-8 Seat: 1.600" @ 52 lbs / Nose: 1.050" @ 150 lbs / Coil bind: 0.850" (Stock O.D., no machine work).
 68404-8 Seat: 1.600" @ 116 lbs / Nose: 1.100" @ 281 lbs / Coil bind: 0.950" Optional spring (heavy duty):
 68146-8 Seat: 1.600" @ 117 lbs / Nose: 1.100" @ 261 lbs / Coil bind: 0.975" (Stock O.D., no machine work).

ACCESSORIES

Part No.	Description
86061	Replacement cam gear
86059-3	Cam bolts - Air Cooled

Diagram 1. Calculating Installed Spring Height

Measure the height from top of keeper groove to bottom of spring seat. Refer to the "height" column of your retainer and add or subtract the amount given from the original overall measurement. See Page 148



Note: If heads have been extensively modified (machined spring pockets, longer valves, etc.) contact Crowder for proper spring, keeper, cup and retainer recommendations. Have your keeper/seat measurement available.