1948-84 Big Twin Cams

CRANE Cams®

The Leader in Performance Technology

VT No.	YEAR	SPECIFICATIONS DURATION @ .053" OPEN/CLOSE[a] INT.	EXH.	GROSS VALVE LIFT INT.	EXH.	SERIES & GRIND NUMBER	TYPE & APPLICATION
10-8252	1948-69	248	248	.455[b]	.455[b]	Hydraulic	**HYDRAULIC** - Bolt-in. Broad power range for streetable performance. Works
10-8253	1970-77	24/44	44/24	.479[c]	.479[c]	300H	Fireball well with stock compression or increased up to 10:1. Low and mid range
10-8254	1978-84						improvement. Does not require valve spring change. Works well with stock carb
		Cam lift at TDC: Int: .126" Exh: .130"*					and exhaust or performance parts.
10-4380	1948-69	244	244	.455[b]	.455[b]	Fireball	**MECHANICAL** - Bolt-in performance throughout the power range. Also
10-4381	1970-77	20/44	44/20	.479[c]	.479[c]	296A	recommended for increased torque in heavy bikes with heavy loads. No spring
10-4382	1978-84						change required. Works well with stock carb and exhaust. Does not have Cranes
		Cam lift at TDC: Int: .108" Exh: .108"*					multi-indexed gear. Replaces A.
10-4383	1948-69	256	256	.490[b]	.490[b]	Fireball	**MECHANICAL** - Performance cam. Can be used with stock compression but
10-4384	1970-77	26/50	50/26	.516[c]	.516[c]	308B	works well with 10.5:1 compression ratio. Mid range and top end improvement.
10-4385	1978-84						Heads must be clearanced and may require valve spring change to install. Works
		Cam lift at TDC: Int: .129" Exh: .129"*					well with performance exhaust, carb and cylinder head work.
							Replaces B.
		244	244	.450[b]	.450[b]	Hydraulic	**HYDRAULIC** - Bolt-in performance throughout the power range, Also recom-
10-4357	1970-77	22/42	42/22	.474[c]	.474[c]	Hi-Roller	mended for increased torque in heavy bikes with heavy loads. No spring
10-4364	1978-84	Cam lift at TDC: Int: .125" Exh: .128"*				H288B	change required. Works well with stock carb and exhaust.
	1948-69	244	254	.450[b]	.450[b]	Hydraulic	**HYDRAULIC** - Mild performance. Can be used with stock springs, carb and
10-4358	1970-77	18/46	51/23	.474[c]	.474[c]	Hi-Roller	exhaust or performance systems. Increased horsepower throughout RPM
10-4365	1978-84	Cam lift at TDC: Int: .110" Exh: .132"*				H288-2B	range.
10-4352	1948-69	254	264	.450[b]	.450[b]	Hydraulic	**HYDRAULIC** - Performance can be used with performance type carb and
10-4359	1970-77	25/49	62/22	.474[c]	.474[c]	Hi-Roller	exhaust. Increased mid-range and top end horsepower. Check valve-to-valve
10-4366	1978-84	Cam lift at TDC: Int: .137" Exh: .128"*				H298-2B	clearance.
	1948-69	252	252	.450[b]	.450[b]	Hi-Roller	**MECHANICAL** - Bolt-in mild performance. Can use stock springs, carb and
10-4361	1970-77	24/48	48/24	.474[c]	.474[c]	H298B	exhaust. Increased mid-range and top end horsepower. No increase in com-
10-4368	1978-84	Cam lift at TDC: Int: .124" Exh: .124"*					precision ratio required.
10-4353	1948-69	262	262	.450[b]	.450[b]	Hi-Roller	**MECHANICAL** - Mild performance. Works well with high performance carb and
10-4360	1970-77	29/53	53/29	.474[c]	.474[c]	H298B	exhaust system. Can use stock springs, but check valve-to-valve clearance.
10-4367	1978-84	Cam lift at TDC: Int: .140" Exh: .140"*					
10-4356	1948-69	266	266	.525[b]	.525[b]	Hi-Roller	**MECHANICAL** - High performance street and drags. Increased compression
10-4363	1970-77	31/55	55/31	.553[c]	.553[c]	310B	ratio and/or cubic inches required. Must change valve springs and check
	1978-84	Cam lift at TDC: Int: .152" Exh: .155"*					spring travel, piston-to-valve, and valve-to-valve clearances.
10-4355	1948-69	268	268	.485[b]	.485[b]	Hi-Roller	**MECHANICAL** - Streetable high performance. Increased compression ratio
10-4362	1970-77	32/56	56/32	.511[c]	.511[c]	304B	and/or cubic inches required. Must change valve springs and check spring
10-4369	1978-84	Cam lift at TDC: Int: .152" Exh: .152"*					travel, piston-to-valve, and valve-to-valve clearances.
10-4371	1948-69	276	276	.550[b]	.550[b]	Hi-Roller	**MECHANICAL** - Street and drag cam for high performance engines. Increased
10-4372	1970-77	36/60	64/32	.579[c]	.579[c]	320B	cubic inches required for best results. Head work required for proper spring
	1978-84	Cam lift at TDC: Int: .172" Exh: .160"*					travel, piston-to-valve, and valve-to-valve clearances.
10-4374	1948-69	286	286	.575[b]	.575[b]	Hi-Roller	**MECHANICAL** - Drag cam for large cubic engines. Head work required for
10-4375	1970-77	41/65	73/33	.606[c]	.606[c]	330B	proper spring travel, piston-to-valve, and valve-to-valve clearances, also to
10-4376	1978-84	Cam lift at TDC: Int: .192" Exh: .164"*					insure maximum performance.
							Camshafts having over .450" valve lift in 1948-69 engines, will need to have front exhaust lobe-to-circuit breaker drive gear clearance checked.

Camshafts having over .450" valve lift in 1948-57 engines, will need to have front intake lobe-to-case clearance checked.

* To convert cam lift to valve lift, multiply the cam lift figure by the rocker arm ratio: Shovelhead - 1.425; Panhead - 1.5.

[a] Opening and closing figures for camshafts with the multiple keyway gear are based on the gear installed in the "0" position.

[b] Gross valve lift for Shovelhead with 1.425 rocker arm ratio.

[c] Gross valve lift for Panhead with 1.5 rocker arm ratio.

Note: All Crane Cams are shipped with red cam gear.

Sifton Cam Bushing Kits. BT type includes cam & gear shaft bushings/bearings with lock pins & thrust plate.

VT No.	Year
10-8264	1936-53
10-8263	1954-57
10-8262	1958-69
VT No.	**Year**
10-8261	1970-72
10-8260	1973-92

Torrington Cam Needle Bearings. Genuine Torrington replacements, features full compliment roller design. OEM# 9058. Fits 1958-99 Big Twin. **VT No. 12-0316**