

NEW

HEMI & B1

PERFORMANCE PISTONS



In stock and on the shelf MOPAR B1 Head pistons. Eight popular engine combinations for the Low and High Deck blocks engineered to handle the most demanding environments. Add UEM's UltraThermCM thermal barrier for the ultimate in heat dispersing properties and reducing material fatigue.

Big Block Mopar with B1 Heads

CI / Liter	Brand	Engine Family	Years	STD Bore	Stroke	Rod	C.H.	Pin Dia.	Crown	CC	Ratio	Piston Set	Piston & Ring Set
499/8.2	ICON Premium	Big Block B w/ B1 Heads		4.342	4.150	6.760	1.130	.990	DOME	+2cc	68-13.5	N/A	IC429CAKTS ^{1,2,3}
511/8.4	ICON Premium	Big Block B w/ B1 Heads		4.342	4.250	6.535	1.305	.990	DOME	+2.2cc	68-13.5	N/A	IC428CAKTS ^{1,2,3}
540/8.8	ICON Premium	Big Block B w/ B1 Heads		4.500	4.250	6.535	1.305	.990	DOME	+2.8cc	68-14.0	N/A	IC427CAKTS ^{1,2,3}
493/8.1	ICON Premium	Big Block RB w/ B1 Heads		4.320	4.150	6.760	1.875	.990	DOME	-.55cc	68-13.5	N/A	IC430CAKTS ^{1,2,3}
505/8.3	ICON Premium	Big Block RB w/ B1 Heads		4.320	4.250	7.100	1.485	.990	DOME	0cc	68-13.7	N/A	IC431CAKTS ^{1,2,3}
535/8.8	ICON Premium	Big Block RB w/ B1 Heads		4.320	4.500	7.100	1.355	.990	DOME	+5cc	68-13.5	N/A	IC432CAKTS ^{1,2,3}
540/8.8	ICON Premium	Big Block RB w/ B1 Heads		4.500	4.250	7.100	1.480	.990	DOME	0cc	68-14.0	N/A	IC444CAKTS ^{1,2,3}
572/9.4	ICON Premium	Big Block RB w/ B1 Heads		4.500	4.500	7.100	1.355	.990	DOME	+6.5	68-14.0	N/A	IC433CAKTS ^{1,2,3}

FOOTNOTE:

¹ Forged 2618 alloy, supplied with .043", 1/16, 3/16 ring sets and upgraded 4130 wrist pins.

² Gas ported and type 3 hard anodized top ring groove and crown.

³ M42 skirt coating

HEMI Late Model Applications On Back



HEMI Late Model - OE Replacement

CI / Liter	Brand	Engine Family	Years	STD Bore	Stroke	Rod	C.H.	Pin Dia.	Crown	CC	Ratio	Piston Set	Piston & Ring Set
345/5.7	Silv-O-Lite	Mopar Hemi Gen III	2002-2006	3.917	3.580	6.243	1.211	.945	DOME	-9.4cc	9.6	3248HC ⁴	N/A
345/5.7	Silv-O-Lite	Mopar Hemi Gen III	2009-2011	3.917	3.580	6.243	1.190	.945 Press	DOME		9.6	3257HCA ⁵	N/A
345/5.7	Silv-O-Lite	Mopar Hemi Gen III	2009-2011	3.917	3.580	6.243	1.190	.945 Float	DOME		9.6	3260HCA ⁵	N/A
372/6.1	Silv-O-Lite	Mopar Hemi Gen III	2009-2010	4.055	3.580	6.243	1.220	.984	FLAT TOP	0cc	10.3	3258HCA ⁵	N/A

FOOTNOTES:

⁴ Hypereutectic with M42 Skirt coating and 1.5mm, 1.5mm 3.0mm ring pack.

⁵ Hypereutectic with type 3 hard anodized top ring groove and crown, M42 skirt coating and 1.2mm, 1.2mm 2.0mm ring pack.



HEMI Late Model - Forged Performance

Block Liter	Brand	Engine Family	Years	STD Bore	Stroke	Rod	C.H.	Pin Dia.	Crown	CC	Ratio	Piston Set	Piston & Ring Set
348/5.7	ICON Premium	Mopar Hemi Gen III		3.917	3.790	6.125	1.220	.927	DISH	+13.8cc	74.5-8.8	IC645C ⁶	IC645CKTD ⁷
348/5.7	ICON Premium	Mopar Hemi Gen III		3.917	3.790	6.125	1.220	.927	DOME	-.02cc	74.5-10.1	IC646C ⁶	IC646CKTD ⁷
348/5.7	ICON Premium	Mopar Hemi Gen III		3.917	3.790	6.125	1.220	.927	DOME	-14.6cc	74.5-12.0	IC647C ⁶	IC647CKTD ⁷
348/5.7	ICON Premium	Mopar Hemi Gen III		3.917	3.900	6.125	1.165	.927	DISH	+17cc	74.5-8.7	IC648C ⁶	IC648CKTD ⁷
348/5.7	ICON Premium	Mopar Hemi Gen III		3.917	3.900	6.125	1.165	.927	DISH	+3.3cc	74.5-10.0	IC649C ⁶	IC649CKTD ⁷
348/5.7	ICON Premium	Mopar Hemi Gen III		3.917	3.900	6.125	1.165	.927	DOME	-13.5cc	74.5-11.9	IC650C ⁶	IC650CKTD ⁷
348/5.7	ICON Premium	Mopar Hemi Gen III		3.917	4.050	6.125	1.090	.927	DISH	+21.2cc	74.5-8.7	IC651C ⁶	IC651CKTD ⁷
348/5.7	ICON Premium	Mopar Hemi Gen III		3.917	4.050	6.125	1.090	.927	DISH	+7cc	74.5-9.9	IC652C ⁶	IC652CKTD ⁷
348/5.7	ICON Premium	Mopar Hemi Gen III		3.917	4.050	6.125	1.090	.927	DOME	-8.7cc	74.5-11.9	IC653C ⁶	IC653CKTD ⁷
372/6.1	ICON Premium	Mopar Hemi Gen III		4.055	3.790	6.125	1.220	.927	DISH	+4cc	74-10.2	IC535C ⁶	IC535CKTS ⁷
372/6.1	ICON Premium	Mopar Hemi Gen III		4.055	3.790	6.125	1.220	.927	DISH	+20cc	74-8.9	IC536C ⁶	IC536CKTS ⁷
372/6.1	ICON Premium	Mopar Hemi Gen III		4.055	3.900	6.125	1.165	.927	DISH	+7.5cc	74-10.2	IC538C ⁶	IC538CKTS ⁷
372/6.1	ICON Premium	Mopar Hemi Gen III		4.055	3.900	6.125	1.165	.927	DISH	+23cc	74-8.9	IC541C ⁶	IC541CKTS ⁷
372/6.1	ICON Premium	Mopar Hemi Gen III		4.055	4.050	6.125	1.090	.927	DISH	+12.5cc	74-10.0	IC539C ⁶	IC539CKTS ⁷
372/6.1	ICON Premium	Mopar Hemi Gen III		4.055	4.050	6.125	1.090	.927	DISH	+22cc	74-9.2	IC540C ⁶	IC540CKTS ⁷
392/6.4	ICON Premium	Mopar Hemi Gen III		4.090	3.724	6.200	1.210	.927	DOME	-2.26cc	72-11.1	IC591C ⁶	IC591CKTS ⁷

FOOTNOTES:

⁶ Forged 2618 alloy with M42 skirt coating and 1.5mm, 1.5mm 3.0mm ring grooves.

⁷ Forged 2618 alloy with M42 skirt coating and 1.5mm, 1.5mm 3.0mm ring sets.

For more detailed specifications see UEM Master Catalog or go to www.uempistons.com