

"RBT" Steel Billet Connecting Rods

Aircraft quality, 12-point cap screw fastening system provides added security at high rpm.

Crower's all new Radial Beam Technology design ("RBT") is the ultimate connecting rod, often copied by competitors, but never replicated to Crower's engineered standards. The radial shape beam delivers unsurpassed beam support while reducing overall weight for greater throttle response...quicker deceleration into the corner and faster acceleration off the corner.

Drilled and chamfered pin oil hole on all Crowerods provides additional oil at the pin end to prevent galling. The high alloy, aluminum-bronze, one piece bushing delivers long, reliable service.

H11 - Tool Steel bolts rated to 220,000 p.s.i. come standard. For extreme duty, Crower highly recommends the AMS5844 rod bolt upgrade rated to 280,000 p.s.i. for ultimate clamping ability.

Extra strength at the critical web area reduces the big end pinch found in other inferior designs. Big end roundness is paramount for long bearing and connecting service.

Hollow dowel alignment fastening system provides positive cap alignment and prevents unwanted cap walk.

The Crower Maxi-Light is a proven performer on the race track. Tapered beam design delivers the strength you need in a lightweight, yet reliable profile.

Pin boss dynamics are essential when designing a high performance connecting rod. To maintain trouble free operation, Crower beefs up the pin eye area.

RADIAL BEAM TECHNOLOGY ("RBT") MAXI-LIGHT DESIGN

Crower's exclusive "RBT" Maxi-Light design is a revolutionary new beam shape that removes excess material from noncritical stress areas for the lightest, yet strongest connecting rod available on the market. Choose from a wide variety of weight configurations, depending on your individual horsepower and rpm requirements.

AMS5844 ROD BOLT UPGRADE

Crower's AMS5844 rod bolt upgrade is available for all steel billet and titanium rods. Highly recommended for extreme duty rpm and endurance applications. Rated at 280,000 p.s.i., these bolts are corrosion resistant, nonmagnetic and deliver ultimate clamping capabilities for the highest cycle life. Specify desired rod bolt part number when ordering.



Proper bolt torque: Torque rod bolts to 10 ft lbs on both sides, then torque to proper spec with one pull.

Upgrades: 280,000 p.s.i. rod bolts, specify #90842 for 3/8
280,000 p.s.i. rod bolts, specify #90830 for 7/16

"RBT" Steel Billet Connecting Rods

ALSO AVAILABLE IN TITANIUM

RADIAL BEAM TECHNOLOGY MAXI-LIGHT DESIGN

* Maxi-Light is a Registered Trademark of Crower, Inc.

MAXI-LIGHT® 93 SERIES 1

APPROX. WEIGHT: 6.0" @ 495g
HORSEPOWER RANGE: 500+ (oval)
HORSEPOWER RANGE: 550+ (drag)

MAXI-LIGHT® 93 SERIES 2

APPROX. WEIGHT: 6.0" @ 520g
HORSEPOWER RANGE: 600+ (oval)
HORSEPOWER RANGE: 650+ (drag)

MAXI-LIGHT® 93 SERIES 3

APPROX. WEIGHT: 6.0" @ 580g
HORSEPOWER RANGE: 650+ (oval)
HORSEPOWER RANGE: 700+ (drag)

MAXI-LIGHT® 93 SERIES 4

APPROX. WEIGHT: 6.0" @ 605g
HORSEPOWER RANGE: 750+ (oval)
HORSEPOWER RANGE: 800+ (drag)

MAXI-LIGHT® 93 SERIES 5

APPROX. WEIGHT: 6.0" @ 645g
HORSEPOWER RANGE: 850+ (oval)
HORSEPOWER RANGE: 1000+ (drag)

MAXI-LIGHT® 93 SERIES 6

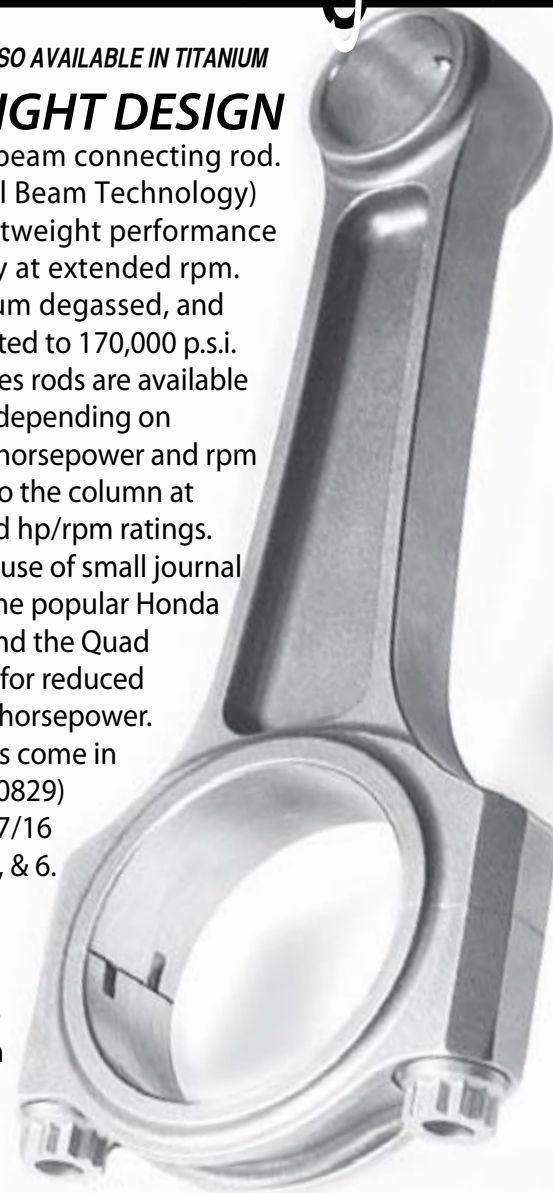
Nitrous \ Turbo blown applications.
Extreme Horsepower.
Call to special order.

* Choose the desired HP Series number
(1, 2, 3, 4, 5, 6).

For rod bushing specs. see pg. 197

The original tapered beam connecting rod. Crower's "RBT" (Radial Beam Technology) design combines lightweight performance with proven reliability at extended rpm. CNC machined, vacuum degassed, and premium steel alloy rated to 170,000 p.s.i. The Maxi-Light 93 Series rods are available in six unique designs, depending on intended application, horsepower and rpm considerations. Refer to the column at the left for weights and hp/rpm ratings. Crower pioneered the use of small journal diameters, including the popular Honda bearing size (2.008") and the Quad 4 bearing size (2.015") for reduced friction and increased horsepower. H11 tool steel rod bolts come in standard sizes, 3/8 (#90829) for series 1, 2, & 3, and 7/16 (#90826) for series 4, 5, & 6.

Optional AMS5844 bolt upgrade available (280,000 p.s.i.) for both 3/8 (#90842) & 7/16 (#90830) bolts.



Part No.	C-to-C	B.E. Bore	P.E. Bore	B.E. Width
ML93000B*-8	5.700"	2.125"	.927"	.941"
ML93002B*-8	6.000"	2.125"	.927"	.941"
ML93003B*-8	5.850"	2.125"	.927"	.941"
ML93004B*-8	6.125"	2.125"	.927"	.941"
ML93005B*-8	5.700"	2.225"	.927"	.941"
ML93006B*-8	6.000"	2.225"	.927"	.941"
ML93007B*-8	6.250"	2.225"	.927"	.941"
ML93008B*-8	5.850"	2.225"	.927"	.941"
ML93009B*-8	6.125"	2.225"	.927"	.941"
ML93040B*-8	6.200"	2.125"	.927"	.941"
ML93041B*-8	6.200"	2.225"	.927"	.941"
ML93900B*-8	Custom	2.125"	Custom	Custom
ML93901B*-8	Custom	2.008" Honda	Custom	Custom
ML93902B*-8	Custom	2.015" Quad 4	Custom	Custom
ML93903B*-8	Custom	2.008" IRL	Custom	Custom
ML93904B*-8	Custom	1.890"	Custom	Custom
ML93905B*-8	Custom	2.225"	Custom	Custom

Steel Billet Connecting Rods

Big Block V8
- 366 396 402 427 454 502



MAXI-LIGHT® DESIGN

* Maxi-Light is a Registered Trademark of Crower, Inc.

Extremely light, yet unbelievably strong, the Maxi-Light is intended for use in moderate horsepower applications, where light rotating mass is a must. Currently the lightest steel billet rod available on the market is for big block Chevrolet. Made with the finest aircraft quality steel and titanium materials. They are heat treated to obtain that perfect balance of durability and strength, including 7/16 (#90826) H-11 tool steel cap screw bolts rated at 220,000 p.s.i. Optional AMS5844 bolt upgrade available (280,000 p.s.i.) for 7/16 bolt (#90830).

MAXI-LIGHT® SERIES 4

APPROX. WEIGHT: 6.386" @ 735g
HORSEPOWER RANGE: 850+ (oval)
HORSEPOWER RANGE: 1000+ (drag)

MAXI-LIGHT® SERIES 5

APPROX. WEIGHT: 6.386" @ 800g
HORSEPOWER RANGE: 1000+ (oval)
HORSEPOWER RANGE: 1500+ (drag)

MAXI-LIGHT® SERIES 6

Nitrous \ Turbo blown applications.
Extreme Horsepower.
Call to special order.

Part No.	C-to-C	B.E. Bore	P.E. Bore	B.E. Width
ML93010B*-8	6.136"	2.325"	.990"	.991"
ML93011B*-8	6.386"	2.325"	.990"	.991"
ML93014B*-8	6.405"	2.325"	.990"	.991"
ML93012B*-8	6.536"	2.325"	.990"	.991"
ML93015B*-8	6.625"	2.325"	.990"	.991"
ML93016B*-8	6.700"	2.325"	.990"	.991"
ML93017B*-8	6.800"	2.325"	.990"	.991"
ML93911B*-8	Custom under 7.250"	2.325"	Custom	.991"
ML93909B*-8	Custom over 7.250"	2.325"	Custom	.991"

* Choose the desired HP Series number (4, 5, or 6).
If Pressed Fit Pin desired, replace "B" after Part No. (ex. ML93010PF4-8).
All weights are approximate.

For rod bushing specs. see pg. 197

Steel Billet Connecting Rods

STEEL BILLET ROD WITH 12 POINT CAP SCREW BOLT

Unquestionably the most critical part of a high performance, internal combustion engine is the connecting rod. Connecting rods support the primary tension loads caused by engine operation in each revolution or cycle of the crankshaft. Therefore, it is of utmost importance that the rods you choose to put in your engine are made from only the finest quality materials, manufacturing methods and fastening systems available on the market. For over 30 years, Crower has been meeting this challenge by using the finest quality steel in the production of our steel billet connecting rods. Every rod is fully CNC machined to remove all surface imperfections, 100% magnaflux inspected, checked for hardness and then machined to finalize the exact tolerance within 0.0001" of an inch. Each set of rods is fully balanced and then shot peened to achieve the ultimate in strength and reliability. Choose from premium H-11 tool steel rod bolts or available as an upgrade, AMS5844 bolts.



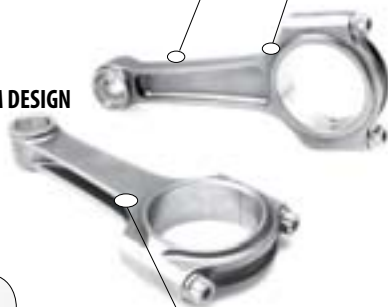
Drilled and chamfered pin oil hole on Crowerods provides additional oil at pin end to prevent galling. Available in aluminum/bronze bushed or pressed fit pin.

Pin boss dynamics are critical when designing a high performance connecting rod. To maintain trouble-free operation, Crower beefs up the pin eye area.

An assortment of computer designed beams are available for different horsepower and weight requirements.

Crower's RBT beam features a radius beam design for the utmost in strength capabilities while reducing overall weight of the rod for improved throttle response.

CROWER H-BEAM DESIGN



Only Crower offers you, the engine builder, the choice of "I-Beam or H-Beam" design.

Hollow dowel alignment fastening system provides positive cap alignment and "no hassle" removal.

Integrally threaded beam can be made to accept bolt diameters of 5/16, 3/8 and 7/16.

Deep, double-ribbed cap guarantees superior strength and reliability at high engine rpm.



Extremely reliable H-11 tool steel bolts, rated at 220,000 p.s.i. or aircraft quality, AMS5844 alloy bolts that are corrosion resistant and rated at 280,000 p.s.i. Both feature 12-point heads.



AMS5844 ROD BOLT UPGRADE

Crower's AMS5844 rod bolt upgrade is available for all steel billet and titanium rods. Highly recommended for extreme duty rpm and endurance applications. Rated at 280,000 p.s.i., these bolts are corrosion resistant, nonmagnetic and deliver ultimate clamping capabilities for the highest cycle life. Specify desired rod bolt when ordering.

Proper bolt torque: Torque rod bolts to 10 ft lbs on both sides, then torque to proper spec with one pull.

MAXI-LIGHT DESIGN

CROWER "H-BEAM" CONNECTING RODS

Although Crower is known mostly for its "I-Beam" rods, we also build a variety of European influenced "H-Beam" designs as well. The thicker cross sections of the H-Beam are better suited for the EDM oil hole that runs the length of the beam delivering added oil to the pin. Weights are equivalent to Crower's standard "I-Beam" billet rod. Specify H-Beam when ordering. For Pressure Fed Pin option specify #90798 after rod part number.

Steel Billet Connecting Rods

For rod bushing specs. see pg. 17

Proper bolt torque: Torque rod bolts to 10 ft lbs on both sides, then torque to proper spec with one pull.



BUICK

Part No	Description	Length	B.E. Bore	Pin Dia
B93907B-6	Buick 6 cyl	Custom	Specify	Specify
B93908B-8	Buick V8	Custom	Specify	Specify

If press fit pin is desired, specify "PF" after part number.

CHEVROLET/GM

Part No	Description	Length	B.E. Bore	Pin Dia
B93906B-6	Chevy 6 cyl	Custom	Specify	Specify
B93731B-4	GM Ecotec	5.767"	2.052"	.787"
B93732B-8	GM 2.4L	5.715"	2.015"	.866"
B93036B-8	GM Duramax 6600	6.420"	2.637"	1.358"
B93936B-8	GM Duramax 6600	Custom	Custom	Custom
B93051B-8	LS1 V8	6.100"	2.225"	.944"
B93737B-4	Saturn 99 & up	5.846"	1.975"	.787"
B93736B-4	Saturn 1.9L	5.712"	1.976"	.768"

If press fit pin is desired, specify "PF" after part number.

DIESEL RODS

Part No	Description	Length	B.E. Bore	Pin Dia
B93037B-6	Cmmings 5.9 L6 Diesel	7.560"	2.874"	1.575"
B93022B-8	Ford 6.0L PowerStroke	6.929"	2.874"	1.340"
B93029B-8	Ford 7.3L PowerStroke	7.130"	2.691"	1.308"
B93036B-8	GM Duramax 6600	6.420"	2.637"	1.358"

FORD

Part No	Description	Length	B.E. Bore	Pin Dia
B93074B-4	2.0L 4 cyl	5.000"	2.165"	.944"
B93075B-4	2.3L 4 cyl	5.200"	2.172"	.912"
B93974B-4	2.0L-2.3L 4 cyl	Custom	Specify	Specify
B93788B-4	Focus ZX3	5.482"	1.965"	.787"
B93926B-6	Ford 6 cyl	Custom	Specify	Specify
B93024B-8	289-302 V8	5.090"	2.239"	.912"
B93025B-8	289-302 V8	5.155"	2.239"	.912"
B93026B-8	289-302 V8	5.315"	2.239"	.912"
B93925B-8	289-302 V8	Custom	Specify	Specify
B93020B-8	351C V8	5.780"	2.436"	.912"
B93921B-8	351C V8	Custom	Specify	Specify
B93023B-8	351W V8	5.956"	2.426"	.912"
B93923B-8	351W V8	Custom	Specify	Specify
B93018B-8	390-427 V8	6.488"	2.590"	.975"
B93918B-8	390-427 V8	Custom	Specify	Specify
B93027B-8	370-460 V8	6.605"	2.652"	1.040"
B93919B-8	370-460 V8	Custom	Specify	Specify
B93028B-8	5.4L	6.657"	2.239"	.866"

If press fit pin is desired, specify "PF" after part number.

MOPAR

Part No	Description	Length	B.E. Bore	Pin Dia
B93938B-10	Viper/RT10	Specify	Specify	Specify
B93031B-8	273-360 "A" V8	6.120"	2.250"	.984"
B93931B-8	273-360 "A" V8	Custom	Specify	Specify
B93935B-8	361-400 "B" V8	Custom	Specify	Specify
B93033B-8	413-440 "RB" V8	6.766"	2.500"	1.094"
B93934B-8	426 Hemi V8	Custom	Specify	Specify
B93785B-4	Neon/Eclipse 2.0L	5.472"	2.007"	.827"
B93786B-4	SRT- 4/PT Crsr 2.4L	5.945"	2.086"	.866"

PONTIAC

Part No	Description	Length	B.E. Bore	Pin Dia
B93060B-8	Pontiac V8	6.625"	2.374"	.980"
B93960B-8	Pontiac V8	Custom	Specify	Specify

If press fit pin is desired, specify "PF" after part number.

OLDSMOBILE

Part No	Description	Length	B.E. Bore	Pin Dia
B93056B-8	Olds V8	6.735"	2.625"	.9806
B93956B-8	Olds V8	Custom	Specify	Specify

If press fit pin is desired, specify "PF" after part number.

STROKER BILLET, & STROKER MID WEIGHT SMALL BLOCK CHEVY

Part No	C-to-C	B.E. Bore	P.E. Bore	B.E. Width
SB93000B-8	5.700"	2.125"	0.927"	0.941"
SB93003B-8	5.850"	2.125"	0.927"	0.941"
SB93002B-8	6.000"	2.125"	0.927"	0.941"
SB93004B-8	6.125"	2.125"	0.927"	0.941"
SB93040B-8	6.200"	2.125"	0.927"	0.941"
SB93900B-8	Custom	2.125"	0.927"	0.941"
SB93005B-8	5.700"	2.225"	0.927"	0.941"
SB93008B-8	5.850"	2.225"	0.927"	0.941"
SB93006B-8	6.000"	2.225"	0.927"	0.941"
SB93009B-8	6.125"	2.225"	0.927"	0.941"
SB93041B-8	6.200"	2.225"	0.927"	0.941"
SB93007B-8	6.250"	2.225"	0.927"	0.941"
SB93905B-8	Custom	2.225"	0.927"	0.941"

If Pressed Fit Pin desired, replace "B" after p/n (ex. SB93000PF-8).

For stroker mid weight, change SM instead of SB.

BILLET BIG BLOCK CHEVY

Part No	C-to-C	B.E. Bore	P.E. Bore	B.E. Width
B93010B-8	6.136"	2.325"	0.990"	0.991"
B93011B-8	6.386"	2.325"	0.990"	0.991"
B93014B-8	6.405"	2.325"	0.990"	0.991"
B93012B-8	6.536"	2.325"	0.990"	0.991"
B93015B-8	6.625"	2.325"	0.990"	0.991"
B93016B-8	6.700"	2.325"	0.990"	0.991"
B93017B-8	6.800"	2.325"	0.990"	0.991"
B93911B-8	Custom	2.325"	0.990"	0.991"
B93909B-8	Custom	2.325"	0.990"	0.991"

If Pressed Fit Pin desired, replace "B" after p/n (ex. B93010PF-8).

Custom Steel Billet Connecting Rods

CUSTOM BILLET CONNECTING RODS

Crower is the industry leader in high performance connecting rods. Choose from the largest selection of makes available including Honda/Acura, BMW, Porsche, Ferrari, Nissan, Toyota, Audi, Volkswagen and more. CNC manufactured from premium quality steel and titanium, Crower billet rods are the only choice when running nitrous oxide, high boost or high rpm in your vehicle. Contact your Crower Tech for more information, including availability.

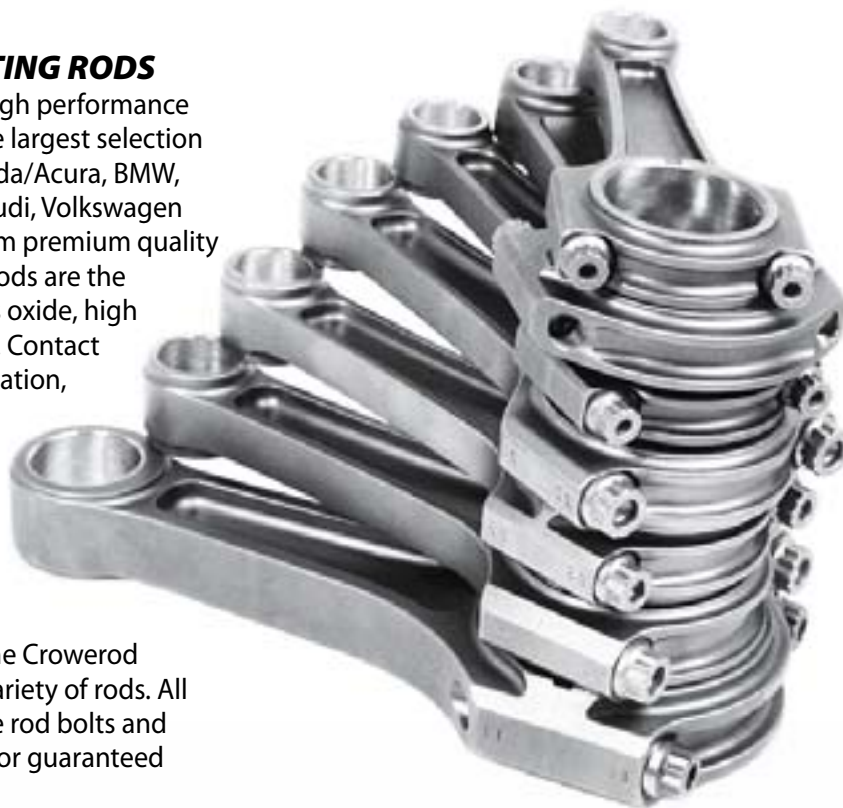
MANUFACTURING

Crower has the manufacturing capability to produce connecting rods for any type of performance requirement. As you can see by the Crowerod availability list, we make a wide variety of rods. All are equipped with cap screw style rod bolts and hollow dowel alignment sleeves for guaranteed ultimate clamping.

MATERIALS

Crowerods incorporates only the finest aircraft quality materials. They are heat treated to obtain that perfect balance of strength and durability.

- Premium Steel and Titanium.
- Uniform hardness developed by heat treatment.
- High fatigue strength is ideal for stressed parts.
- H-11 (220,000 psi) or AMS5844 (280,000 psi) bolts.



CROWEROD AVAILABILITY

TRUCKS	DOMESTICS	IMPORT	MOTORCYCLES
Chevrolet	Buick	BMW	BSA
Caterpillar	Cadillac	Nissan/Datsun	Ducati
Cummins	Chevrolet	Fiat	Harley Davidson
Dodge	Chrysler	Honda/Acura	Honda
Ford	Dodge	Jaguar	Indian
GMC	Ford	Mercedes Benz	Kawasaki
Jeep	GMC	Mitsubishi	Norton
John Deere	Mopar	Porsche	Royal Infield
Mack	Oldsmobile	Renault	Suzuki
Peterbuilt	Plymouth	Toyota/Lexus	Triumph
White	Pontiac	VW/Audi	Yamaha

