



DIESEL



PISTONS &  
CONNECTING RODS



# DIESEL CONNECTING RODS

CP-Carrillo connecting rods are fully machined from a proprietary 4330m alloy forging for strength and durability and are available with 2 types of bolts: The standard WMC-H7 (H11) bolt with a UTS of 220ksi and our upgraded CARR-S7 (MP35N) bolt with a UTS of 285ksi. The CARR upgraded bolt is a good choice if planning on revving the engine higher than 6000rpm. All our bolts are manufactured with Asymmetrical threads, each thread has a slightly different design than the previous giving the bolts an evenly distributed thread engagement. This helps increasing the clamp load and fatigue life of the fastener. Includes Mahle steel bushing for added durability and optional Cap Relief is available to aid in oil evacuation for those that run higher loads and RPM's lock up bearings.

Part Number	ID	Dodge Cummins Rods *
CR_A59DC_OHS_7559B7H	9324	Dodge/Cummins 5.9/6.7 H-Beam with 7/16 bolts
CR_A59DC_OHS_7639B7H	9326	Dodge/Cummins 6.4 - 5.9 Crank in 6.7 Block 7.639" 7/16 Bolts
CR_A59DM_1HS_8415B7H	9318	Dodge/Cummins 5.9/6.4 with Duramx Pin 7/16 8.415"
CR_A67DM_OHS_8415B7H	9716	Dodge/Cummins 5.9/6.4 with Duramx Pin 7/16 8.415" HD
CR_A59DM_1HS_8335B7H	9811	Dodge/Cummins 6.7 with Duramx Pin 7/16 8.335"
CR_A67DM_OHS_8335B7H	9813	Dodge/Cummins 6.7 HD with Duramx Pin 7/16 8.335"
CR_A67DC_OHS_7559B7H	9328	Dodge/Cummins 5.9/6.7 HD 7/16 7.559"
CR_A67DC_OHS_8559B7H	9332	Dodge/Cummins 5.9/6.7 HD 7/16 8.559 1" Longer Deck Plate Rod
CR_ADC67_1HS_7559B7H	9147	Dodge/Cummins 5.9/6.7 HD With Cap Relief 7/16 7.559
CR_ADC67_1HS_8559B7H	9149	Dodge/Cummins 5.9/6.7 HD With Cap Relief 7/16 8.559 1" Longer Deck Plate Rod

Part Number	ID	Ford Powerstroke Rods *
F_APS67_OHS_6969B7H	7340	Ford Powerstroke 6.7 7/16 6.969" 2011-2015
F_A67PS_2HS_6969B7H	9770	Ford Powerstroke 6.7 7/16 6.969" 2016+
F-PS60>-76929H	6153	Ford Powerstroke 6.0 7/16 6.929'
F-PS64>-76929H	6508	Ford Powerstroke 6.4 7/16 6.929'
F-PS73>-77130H	5347	Ford Powerstroke 7.3 7/16 7.130"

Part Number	ID	GM Duramax Rods *
GM_B66DM_OHS_6418B7H	9321	GM 6.6 Duramax Diesel 7/16
GM_B66TF_OHS_6620B7H	9109	GM Duramax 1.156 pin 6.620" 7/16 Bolt
GM_BDM66_2HS_6418B7H	7292	GM Duramax LML 2011-2012 6.418 7/16
GM_BDMHD_2HS_6418B7H	9316	GM 6.6 Duramax Diesel 7/16 HD

\*All of these rods are available with the upgraded CARR bolt by replacing the "H" on the end of the part number with a "S"

# DIESEL PISTONS

The Cummins Diesel Pistons are forged from 2618 material with a tapered pin bosses for increased strength and match Carrillo Connecting Rods. All pistons are hard anodized to withstand extreme heat and provide additional scuff resistance. Pistons come standard with a 1/16 coated Top ring, 2.0mm seconds, high tension 3.0mm 2 piece oil ring, Steel 5115 pins, .082 Kramm Lox and have radius oversized valve reliefs for increased valve lift.

Part Number	ID	5.9/6.7 Cummins Pistons
D7100	9819	Cummins 5.9L 4.020 Bore - 2.786 pin - 15.25 Comp with stock length rod
DH7100	9230	Cummins 5.9L 4.020 Bore - 1.946 pin - 16.1 Comp Hybrid 1.358 pin with 8.415" Carrillo rod
D7101	9816	Cummins 5.9L 4.030 Bore - 2.786 pin - 15.25 Comp with stock length rod
DH7101	9817	Cummins 5.9L 4.030 Bore - 1.946 pin - 16.1 Comp Hybrid 1.358 pin with 8.415" Carrillo rod
D7102	9818	Cummins 5.9L 4.035 Bore - 2.786 pin - 15.25 Comp with stock length rod
DH7102	9820	Cummins 5.9L 4.035 Bore - 1.946 pin - 16.1 Comp Hybrid 1.358 pin with 8.415" Carrillo rod
D7103	9821	Cummins 5.9L 4.055 Bore - 2.786 pin - 15.25 Comp with stock length rod
DH7103	9822	Cummins 5.9L 4.055 Bore - 1.946 pin - 16.1 Comp Hybrid 1.358 pin with 8.415" Carrillo rod
D7104	9823	Cummins 5.9L 4.075 Bore - 2.786 pin - 15.25 Comp with stock length rod
DH7104	9824	Cummins 5.9L 4.075 Bore - 1.946 pin - 16.1 Comp Hybrid 1.358 pin with 8.415" Carrillo rod
D7105	9825	Cummins 6.7L 4.125 Bore - 2.707 pin - 15.25 Comp with stock length rod
DH7105	9826	Cummins 6.7L 4.125 Bore - 1.932 pin - 16.1 Comp Hybrid 1.358 pin with 8.335" Carrillo rod
D7106	9827	Cummins 6.7L 4.215 Bore - 2.707 pin - 15.25 Comp with stock length rod
DH7106	9828	Cummins 6.7L 4.215 Bore - 1.932 pin - 16.1 Comp Hybrid 1.358 pin with 8.335" Carrillo rod
D7107	9829	Cummins 6.7L 4.233 Bore - 2.707 pin - 15.25 Comp with stock length rod
DH7107	9830	Cummins 6.7L 4.233 Bore - 1.932 pin - 16.1 Comp Hybrid 1.358 pin with 8.335" Carrillo rod

The Duramax Diesel Pistons are forged from 2618 material with a tapered pin bosses for increased strength and match Carrillo Connecting Rods. All pistons are hard anodized to withstand extreme heat and provide additional scuff resistance. Our race series pistons come standard with a 1/16 or our non race street trucks come with 2mm coated Top ring, 2.0mm seconds, high tension 3.0mm 2 piece oil ring, Steel 5115 pins, .082 Kramm Lox and have radius oversized valve reliefs for increased valve lift.

Part Number	ID	Chevrolet Duramax Pistons
D7000	8771	Chevy Duramax 4.055 Bore - 1.946 pin - 15:1 Comp with stock length rod
D7001	8772	Chevy Duramax 4.055 Bore - 1.946 pin - 16:1 Comp with stock length rod
D7010	8773	Chevy Duramax 4.075 Bore - 1.936 pin - 15:1 Comp with stock length rod
D7011	8774	Chevy Duramax 4.075 Bore - 1.936 pin - 16:1 Comp with stock length rod
D7020	8775	Chevy Duramax 4.075 Bore - 1.946 pin - 15:1 Comp with stock length rod
D7021	8776	Chevy Duramax 4.075 Bore - 1.946 pin - 16:1 Comp with stock length rod
DHR7030	9228	Chevy 6.6L Duramax 4.075 Bore - 16.5:1 1.156 pin with 6.620" Carrillo rod
DR7022	9815	Chevy Duramax 4.095 Bore - 1.946 pin - 16.1 Comp with stock length rod

## DIESEL HYBRID KITS

After years of research and development, working closely with renowned engine builders, CP-Carrillo light weight Diesel Hybrid kits are now available for both Cummins and Duramax application. Both kits allow for a longer rod without the use of a deck plate, improving rod to stroke ratio. Each kit allows for an amazing reduction in reciprocating weight over the factory piston and rod assembly. Custom rods, pistons, and kits available upon request.

The piston and rod kit for the Cummins, consists of 5.9L hybrid combo with savings of 2lb per assembly. A .856 longer rod helps with the rod to stroke ratio on the stock deck height block. They have a .856 shorter CH for a lighter piston with a Duramax 1.358 pin. The 6.7L hybrid has a .775 longer rod with .775 shorter CH using a 1.358 Duramax pin with weight savings that will help with revs & loads on engines.

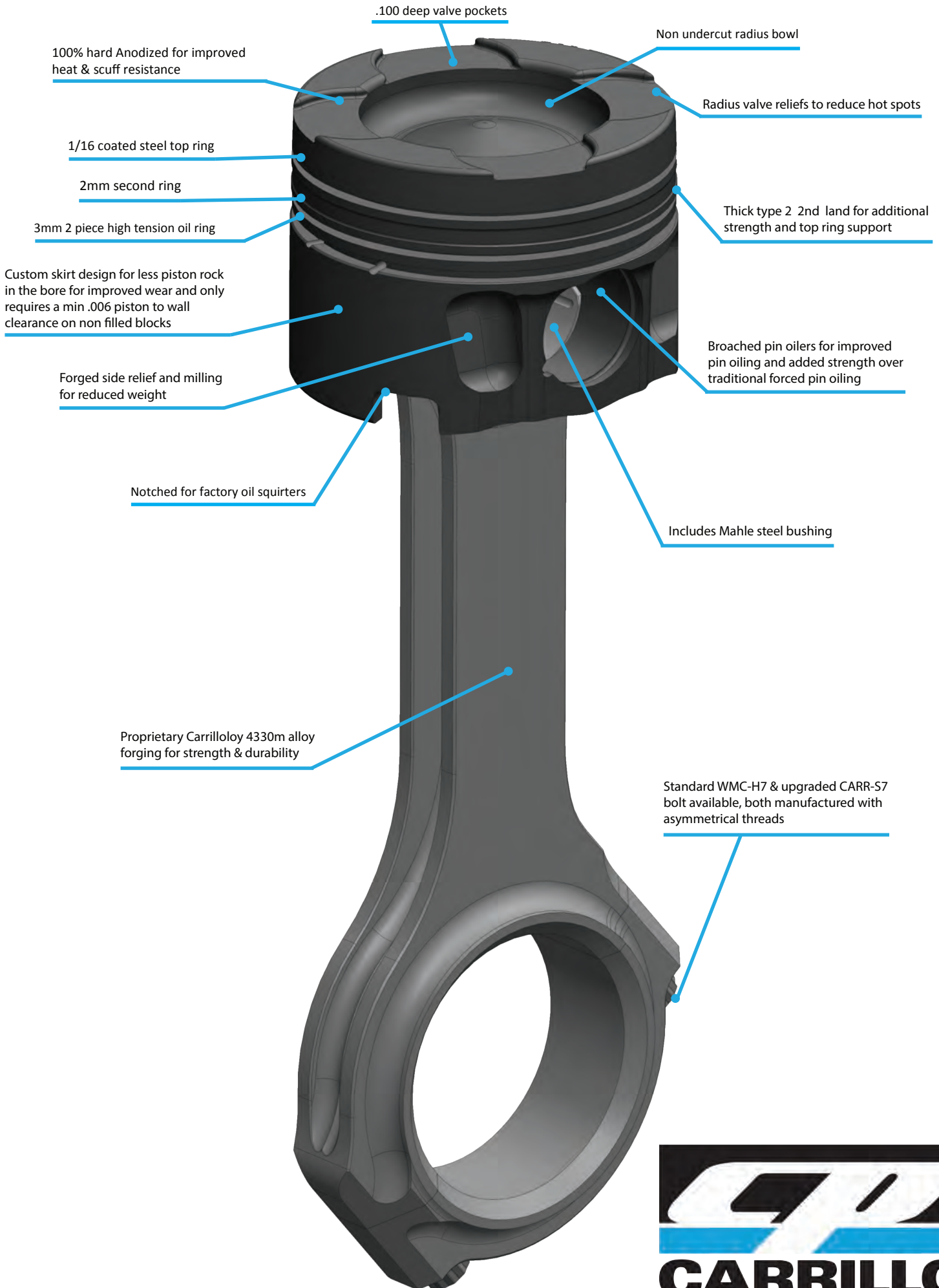
Part Number	ID	5.9/6.4/6.7 Cummins*
DH7100PRKH	9479	Hybrid Cummins 5.9L Piston and Rod Kit DH7100 4.020 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A59DM_1HS_8415B7H
DH7101PRKH	9831	Hybrid Cummins 5.9L Piston and Rod Kit DH7101 4.030 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A59DM_1HS_8415B7H
DH7102PRKH	9833	Hybrid Cummins 5.9L Piston and Rod Kit DH7102 4.035 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A59DM_1HS_8415B7H
DH7103PRKH	9835	Hybrid Cummins 5.9L Piston and Rod Kit DH7103 4.055 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A59DM_1HS_8415B7H
DH7104PRKH	9837	Hybrid Cummins 5.9L Piston and Rod Kit DH7104 4.075 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A59DM_1HS_8415B7H
DH7105PRKH	9839	Hybrid Cummins 6.7L Piston and Rod Kit DH7105 4.125 Bore - 16:1 Comp 1.358 pin with 8.335" Carrillo Rod CR_A59DM_1HS_8335B7H
DH7106PRKH	9841	Hybrid Cummins 6.7L Piston and Rod Kit DH7106 4.215 Bore - 16:1 Comp 1.358 pin with 8.335" Carrillo Rod CR_A59DM_1HS_8335B7H
DH7107PRKH	9843	Hybrid Cummins 6.7L Piston and Rod Kit DH7107 4.233 Bore - 16:1 Comp 1.358 pin with 8.335" Carrillo Rod CR_A59DM_1HS_8335B7H
DH7105PRKH-64	9845	Hybrid Cummins 6.4L Piston and Rod Kit DH7105 4.125 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A59DM_1HS_8415B7H
DH7106PRKH-64	9847	Hybrid Cummins 6.4L Piston and Rod Kit DH7106 4.215 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A59DM_1HS_8415B7H
DH7107PRKH-64	9849	Hybrid Cummins 6.4L Piston and Rod Kit DH7107 4.233 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A59DM_1HS_8415B7H
DH7100PRKH-HD	9851	Hybrid Cummins 5.9L Piston and Rod Kit DH7100 4.020 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A67DM_1HS_8415B7H
DH7101PRKH-HD	9853	Hybrid Cummins 5.9L Piston and Rod Kit DH7101 4.030 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A67DM_1HS_8415B7H
DH7102PRKH-HD	9855	Hybrid Cummins 5.9L Piston and Rod Kit DH7102 4.035 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A67DM_1HS_8415B7H
DH7103PRKH-HD	9857	Hybrid Cummins 5.9L Piston and Rod Kit DH7103 4.055 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A67DM_1HS_8415B7H
DH7104PRKH-HD	9859	Hybrid Cummins 5.9L Piston and Rod Kit DH7104 4.075 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A67DM_1HS_8415B7H
DH7105PRKH-HD	9861	Hybrid Cummins 6.7L Piston and Rod Kit DH7105 4.125 Bore - 16:1 Comp 1.358 pin with 8.335" Carrillo Rod CR_A67DM_1HS_8335B7H
DH7106PRKH-HD	9863	Hybrid Cummins 6.7L Piston and Rod Kit DH7106 4.215 Bore - 16:1 Comp 1.358 pin with 8.335" Carrillo Rod CR_A67DM_1HS_8335B7H
DH7107PRKH-HD	9865	Hybrid Cummins 6.7L Piston and Rod Kit DH7107 4.233 Bore - 16:1 Comp 1.358 pin with 8.335" Carrillo Rod CR_A67DM_1HS_8335B7H
DH7105PRKH-64-HD	9867	Hybrid Cummins 6.4L Piston and Rod Kit DH7105 4.125 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A67DM_1HS_8415B7H
DH7106PRKH-64-HD	9869	Hybrid Cummins 6.4L Piston and Rod Kit DH7106 4.215 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A67DM_1HS_8415B7H
DH7107PRKH-64-HD	9871	Hybrid Cummins 6.4L Piston and Rod Kit DH7107 4.233 Bore - 16:1 Comp 1.358 pin with 8.415" Carrillo Rod CR_A67DM_1HS_8415B7H

Piston and Connecting rod kit for the Duramax, consists of connecting rods that are 0.202" longer and designed to work with our DHR7030 piston with a 0.202" shorter CH and a 1.156" Top Fuel pin. The piston has a 4.075" bore and 16.5:1CR. This combo is approx. ½ lb lighter per cylinder than the stock components (4lbs off rotating assembly)

Part Number	ID	6.6 Duramax*
DHR7030PRKH	9481	Hybrid Duramax 6.6L Piston & Rod Kit DHR7030 4.075 Bore - 16.5:1 -410 Dish 1.156 pin with 6.620" Carrillo Rod GM_B66TF_OHS_6620B7H

\*All of these kits are available with the upgraded CARR bolt by replacing the "KH" on the end of the part number with a "KS"





.100 deep valve pockets

Non undercut radius bowl

100% hard Anodized for improved heat & scuff resistance

Radius valve reliefs to reduce hot spots

1/16 coated steel top ring

2mm second ring

3mm 2 piece high tension oil ring

Thick type 2 2nd land for additional strength and top ring support

Custom skirt design for less piston rock in the bore for improved wear and only requires a min .006 piston to wall clearance on non filled blocks

Broached pin oilers for improved pin oiling and added strength over traditional forced pin oiling

Forged side relief and milling for reduced weight

Notched for factory oil squirters

Includes Mahle steel bushing

Proprietary Carrilloloy 4330m alloy forging for strength & durability

Standard WMC-H7 & upgraded CARR-S7 bolt available, both manufactured with asymmetrical threads

