



The **5406048 Cummins X15 / ISX15 Water Pump** is engineered by IPD using the latest components and high-quality materials, ensuring exceptional reliability and performance you can trust.



IPD offers cryo-treated head bolt kits for many popular models, including the **ISXCHBKFR** for the ISX/X15. These bolts ensure proper, even clamping forces across the cylinder head, helping your engine run at peak performance.

IPD Product Availability

IPD provides a wide range of quality, precision-engineered parts for ISX, ISX15 and X15 engines including:

- Engine Overhaul Kits
- Piston Kits
- Cylinder Liner Kits
- Valvetrain Components
- Engine Bearings
- Gasket Sets
- Water Pump
- Head Bolts

IPD Products for On-Highway Engines

Caterpillar	3116, 3126, 3208, 3306, 3406, C7, C9, C10, C12, C13, C15
Cummins	ISX, ISX15 and X15
Detroit	60 Series and DD13, DD15, DD16

Reliability Backed by IPD's Industry-Leading Warranty

All IPD quality parts for the Cummins ISX/X15 are backed by an industry-leading 2-year warranty (unlimited miles) for on-highway diesel applications.

Check with your IPD regional sales manager or customer service to order new IPD steel cylinder liners for your ISX or X15 engine today or order online through IPDNet at store.ipdparts.com



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MKTIPDSTEEL25



IPD STEEL LINERS: THE STRONGEST CHOICE FOR ISX & X15 ENGINES

At IPD, we continue to innovate and expand our product offerings to meet the needs of our customers. We are excited to announce that, in addition to our existing lineup, we now offer three new steel liners, including one for the **Cummins X15 engine**. With these new liners, we now offer **36 ISX/ISX15 and X15 engine kits**—providing unmatched durability and performance for a variety of heavy-duty applications.



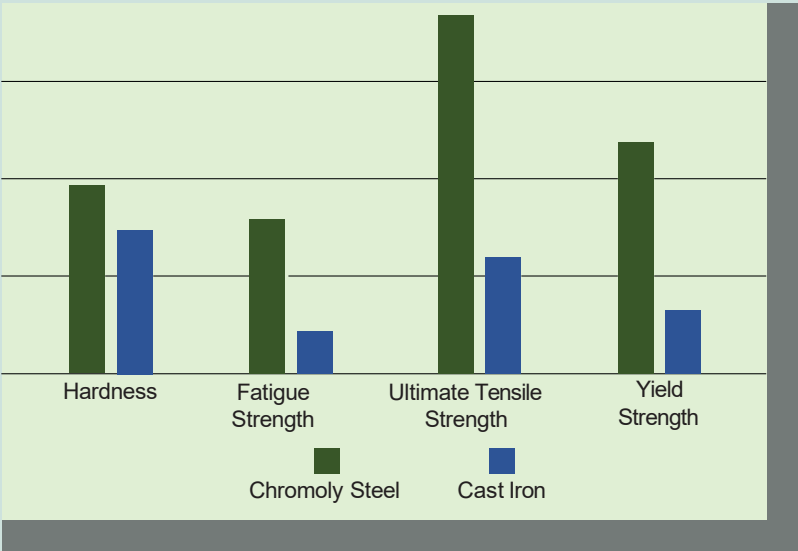
ISO 9001: 2015 Certified

EXPANDED LINEUP - NOW FEATURING 36 NEW ISX/ISX15 & X15 ENGINE KITS!



Why Choose IPD Steel Liners?

- **Unmatched Durability:** IPD's steel liners withstand piston seizure without cracking, unlike cast iron liners that can fail and damage the cylinder block.**
- **Superior Strength:** Chromoly steel offers an Ultimate Tensile Strength (UTS) 2 to 3 times stronger than ductile cast iron, providing unmatched durability under extreme conditions.
- **Increased Toughness:** Chromoly steel delivers superior toughness both inside (for better wear resistance) and outside (to resist cavitation), ensuring longer-lasting performance.
- **Seamless Construction:** Made from a seamless tube of high- quality chromoly steel—eliminating the risk of weld seam cracks.



Performance You Can Trust

The new IPD steel liner for ISX and X15 engines is the next step in our ongoing commitment to excellence. Following the success of our chromoly steel cylinder liners for the Cat C18/C32, IPD's in-house engineering team used advanced Computational FEA (Finite Element Analysis) to design an improved steel liner for the Cummins® ISX and X15 engines. The result is a liner that outperforms the original cast iron liner in strength, durability, and overall performance.

The Proof: IPD Steel Liners Surpass Expectationst

IPD's steel liners are engineered to handle the toughest conditions. During testing, a standard stock Cummins ISX engine equipped with IPD steel liners was intentionally forced into seizure by plugging the piston cooling tubes. Despite severe overheating the steel liners remained intact, while traditional cast iron liners would have cracked and caused catastrophic damage. Chromoly steel's enhanced tensile strength and ductility providing critical protection at the time when a cast iron liner would begin to crack apart.

***Please note: While no liner can withstand complete seizure, IPD's steel liners offer the truck owner critical time to shut off the engine before irreversible damage occurs.*

Item Number	Item Description	App Code	Steel Liner Kit Part #
4309389STL	LINER KIT, 150MM O.D. STEEL	CESX	4309389STL
KIF1878/96/STL	IN-FRAME O/H, CUT ROD BRG, 150MM STL LINER PKG	CESX	4309389STL
KIF1879/96/STL	IN-FRAME O/H, CUT ROD BRG, 150MM STL LINER PKG	CESX	4309389STL
KIF4089154/95/STL	RE- RING IN-FRAME KIT, CUT ROD BRG 150MM STL LINER PKG	CESX	4309389STL
KIF4089406/95/STL	RE-RING IN-FRAME OH KIT,CUT ROD BRG,150MM STL LINER PKG	CESX	4309389STL
KIF4089406/96/STL	RE-RING IN-FRAME KIT,EGR,CUT ROD BRG,150MM STL LINER PKG	CESX	4309389STL
KIF5966/95/STL	IN-FRAME OH,CUT ROD BRG,150 STEEL LINER PKG	CESX	4309389STL
KIF5967/95/STL	IN-FRAME OH,CUT ROD BRG,150MM STL LINER PKG	CESX	4309389STL
5472970STL	LINER KIT, 150MM APR STEEL	CESX15	5472970STL
KIF1758/04CR/STL	IN-FRAME O/H , CUT ROD BRG, 150MM APR STL STL LINER PKG	CESX15	5472970STL
KIF1758/04FR/STL	IN-FRAME O/H , FRACTURED ROD BRG, 150MM APR STL LINER PKG	CESX15	5472970STL
KIF2023/04CR/STL	IN-FRAME O/H , CUT ROD BRG, 150MM APR STL LINER PKG	CESX15	5472970STL
KIF2023/04FR/STL	IN-FRAME O/H , FRACTURED ROD BRG, 150MM APR STL LINER PKG	CESX15	5472970STL
KIF2023/39FR/STL	IN-FRAME O/H , FRACTURED ROD BRG, 150MM APR STL LINER PKG	CESX15	5472970STL
KIF2080/04CR/STL	IN-FRAME O/H , CUT ROD BRG, 150MM APR STL LINER PKG	CESX15	5472970STL
KIF2080/04FR/STL	IN-FRAME O/H , FRACTURED ROD BRG, 150MM APR STL LINER PKG	CESX15	5472970STL
KIF5828/87/STL	IN-FRAME O/H , FRACTURED ROD BRG, 150MM APR STL LINER PKG	X15	5472970STL
KIF5829/87/STL	IN-FRAME O/H , FRACTURED ROD BRG, 150MM APR STL LINER PKG	X15	5472970STL
KIF6241/44CR/STL	IN-FRAME OVERHAUL , IPDSTEEL PISTON,150MM STL LINER PKG	CESX	5472970STL
KIF6241/45CR/STL	IN-FRAME OVERHAUL , IPDSTEEL PISTON,150MM STL LINER PKG	CESX	5472970STL
KIF6243/45CR/STL	IN-FRAME O/H , CUT ROD BRG, 150MM STL LINER PKG	CESX	5472970STL
KIF6244/44CR/STL	IN-FRAME OVERHAUL , IPDSTEEL PISTON,150MM STL LINER PKG	CESX	5472970STL
KIF6244/45CR/STL	IN-FRAME OVERHAUL , IPDSTEEL PISTON,150MM STL LINER PKG	CESX	5472970STL
KIF6246/44CR/STL	IN-FRAME O/H , CUT ROD BRG, 150MM APR STL LINER PKG	CESX	5472970STL
4376392STL	LINER KIT, 152MM O.D. STEEL	CESX	4376392STL
KIF1878/96B/STL	IN-FRAME O/H , CUT ROD BRG, 152MM STL LINER PKG	CESX	4376392STL
KIF1879/96B/STL	IN-FRAME O/H , CUT ROD BRG, 152MM STL LINER PKG	CESX	4376392STL
KIF5966/95B/STL	IN-FRAME O/H , CUT ROD BRG, 152MM STL LINER PKG	CESX	4376392STL
KIF5967/95B/STL	IN-FRAME O/H , CUT ROD BRG, 152MM STL LINER PKG	CESX	4376392STL
5473000STL	LINER KIT, 152MM O.D. APR STEEL	CESX15	5473000STL
KIF1758/04CRB/STL	IN-FRAME O/H , CUT ROD BRG, 152MM APR STL LINER PKG	CESX15	5473000STL
KIF1758/04FRB/STL	IN-FRAME O/H , FRACTURED ROD BRG, 152MM APR STL LINER PKG	CESX15	5473000STL
KIF2023/04CRB/STL	IN-FRAME O/H , CUT ROD BRG, 152MM APR STL LINER PKG	CESX15	5473000STL
KIF2023/04FRB/STL	IN-FRAME O/H , FRACTURED ROD BRG, 152MM APR STL LINER PKG	CESX15	5473000STL
KIF2080/04CRB/STL	IN-FRAME O/H , CUT ROD BRG, 152MM APR STL LINER PKG	CESX15	5473000STL
KIF2080/04FRB/STL	IN-FRAME O/H , FRACTURED ROD BRG, 152MM APR STL LINER PKG	CESX15	5473000STL
KIF6241/44CRB/STL	IN-FRAME OVERHAUL , IPDSTEEL PISTON,152MM STL LINER PKG	CESX	5473000STL
KIF6243/45CRB/STL	IN-FRAME O/H , CUT ROD BRG, 152MM STL LINER PKG	CESX	5473000STL
KIF6244/45CRB/STL	IN-FRAME OVERHAUL , IPDSTEEL PISTON,152MM STL LINER PKG	CESX	5473000STL
KIF6246/44CRB/STL	IN-FRAME O/H , CUT ROD BRG, 152MM APR STL LINER PKG	CESX	5473000STL