

# ENGINEPRO

## Engine Parts At Any Speed



### NITRO BLACK DIESEL PERFORMANCE VALVES

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### For Ford Powerstroke, GM Duramax and Dodge Cummins Engines

#### FEATURES

- Exotic inconel alloy is designed to function in extreme heat and stress conditions
- Stellite facing creates additional heat resistance on the head of the valve
- Liquid nitriding strengthens the entire valve material - not just the surface area
- Better ductility beneath the extremely hard magnetite outer layer makes the valve less likely to break, even if contacted by a piston
- Greater surface hardness reduces crack formation
- Smoother, stronger surface means less valve and valve guide wear than chrome
- Resists corrosion and deposits caused by exotic fuels



Our diesel performance valves are designed to perform reliably in the extreme conditions that exist in highly boosted turbo diesel engines. Bi-metallic exhaust valves are made from inconel and HNV-3 alloys and are stellite faced to operate under extreme heat conditions. Intake valves are made from 21-4N alloy steel. Both intake and exhaust valves are put through our proprietary five step liquid nitriding process, resulting in valves that are smoother, stronger and more corrosion resistant than traditional chrome plated stainless valves.

#### ENGINE PRO NITRO BLACK DIESEL PERFORMANCE VALVES

APPLICATION	PART #	TYPE	HEAD DIA	STEM DIA	OVERALL LGTH	TIP LGTH	SEAT ANGLE
<b>DODGE/CUMMINS ISB 5.9L</b>	01-4991-12	EXH	1.299	0.2756	4.893	0.299	45 DEG.
5.9L TURBO (98-10) 24 VALVES	01-4990-12	INT	1.299	0.2756	4.907	0.299	30 DEG.
<b>FORD 6.0L POWERSTROKE</b>	01-4985-8	EXH	1.102	0.2738	5.059	0.358	37 DEG.
NAVISTAR TURBO (03-10) 32 VALVES	01-4984-8	INT	1.139	0.2738	5.059	0.358	30 DEG.
<b>FORD 6.4L POWERSTROKE</b>	01-4987-8	EXH	1.161	0.2734	5.138	0.433	39.3 DEG.
NAVISTAR TURBO (08-10) 32 VALVES	01-4986-8	INT	1.339	0.2736	5.138	0.433	37 DEG.
<b>FORD 6.7L POWERSTROKE</b>	01-4989-8	EXH	1.195	0.2748	5.242	0.699	29.3 DEG.
FORD TURBO (2011 - ON) 32 VALVES	01-4988-8	INT	1.331	0.2748	5.242	0.699	29.3 DEG.
<b>FORD 7.3L POWERSTROKE</b>	01-4983-8	EXH	1.681	0.3122	5.801	0.289	37.3 DEG.
NAVISTAR 444TE TURBO (94-03) 16 VALVES	01-4982-8	INT	1.681	0.3122	5.798	0.339	30 DEG.
<b>GM 6.6L DURAMAX DD</b>	01-4995-8	EXH	1.220	0.2730	4.965	0.519	45 DEG.
(01-13) 32 VALVES	01-4994-8	INT	1.299	0.2741	4.975	0.519	45 DEG.

**NOTE:** 32 VALVE ENGINES REQUIRE 2 BOXES OF 8 EXHAUST VALVES AND 2 BOXES OF 8 INTAKE VALVES TO REPLACE VALVES IN COMPLETE ENGINE