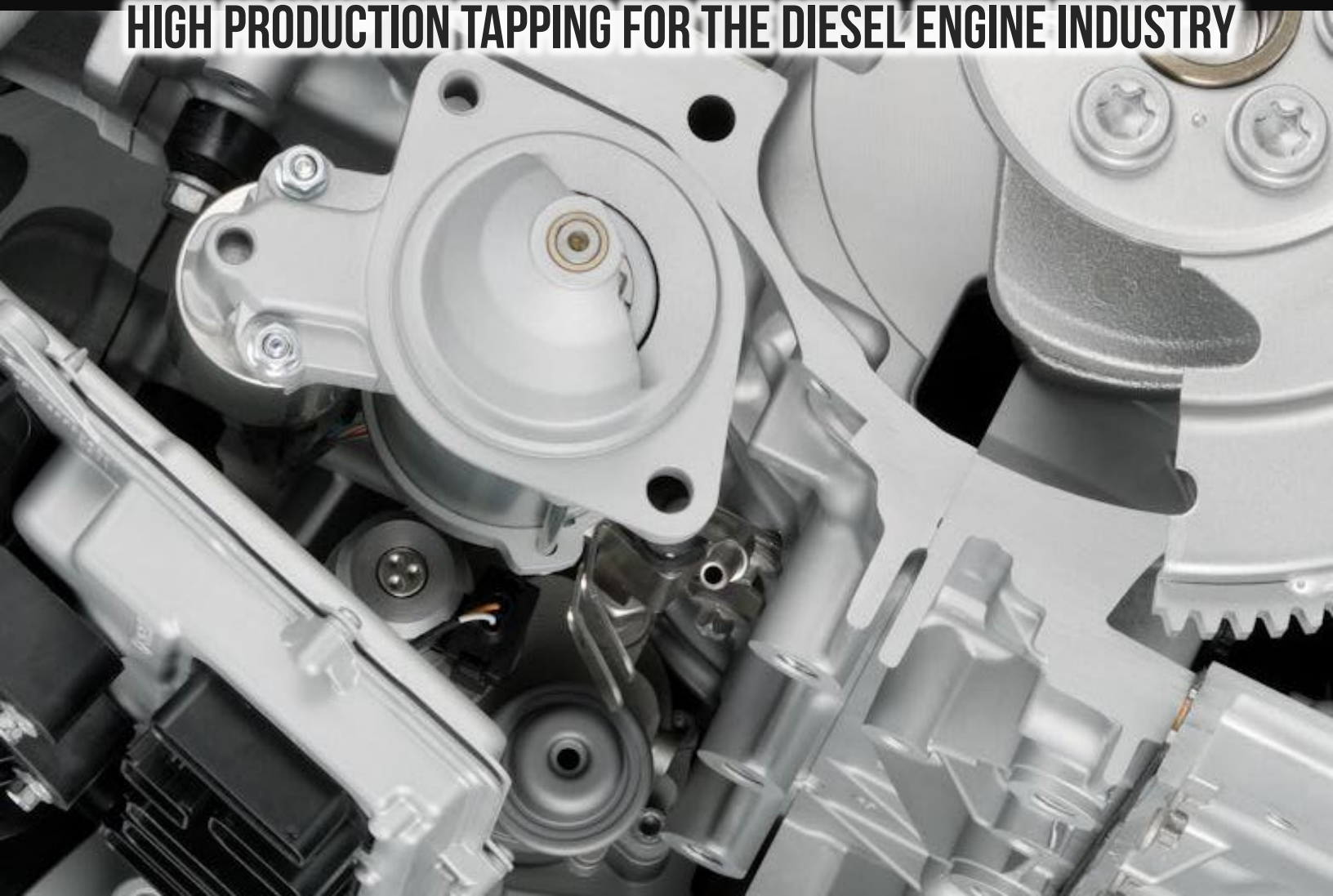




# JARVIS CUTTING TOOLS

HIGH PRODUCTION TAPPING FOR THE DIESEL ENGINE INDUSTRY



**YOUR BEST  
TOOL STARTS  
HERE.**





# 118 YEARS OF EXPERIENCE IN EVERY TOOL

SINCE 1901, JARVIS CUTTING TOOLS HAS BEEN A CATALYST FOR QUALITY AND INSPIRED INNOVATION IN THE CUTTING TOOL INDUSTRY WHILE REMAINING A FAMILY OWNED COMPANY.

THROUGHOUT THE GENERATIONS OUR MISSION HAS ALWAYS BEEN TO DELIVER THE BEST POSSIBLE TOOL FOR THE APPLICATION WITH THE BEST POSSIBLE CUSTOMER SERVICE AND SUPPORT.

CUSTOMERS CHOOSE JARVIS FOR OUR SUPERIOR TOOL PERFORMANCE AND FOR THE TRUE PARTNERSHIP WE ARE ABLE TO PROVIDE AS A DOMESTIC TAP SOURCE. OUR ACCESSIBILITY, ENGINEERING EXPERTISE AND ON-SITE SUPPORT IS UNMATCHED.

**25%**  
OF FORM TAPS  
SOLD IN AMERICA  
ARE **JARVIS**

**75%**  
OF AUTO OIL  
FILTER PLATES  
ARE TAPPED WITH  
**JARVIS** TAPS



# WE'VE GOT YOU COVERED.



**99.4%**  
ORDER  
ACCEPTANCE  
RATE

**95%**  
ON TIME  
DELIVERY

NEARLY **0%**  
CUSTOMER  
CHURN



**WE BELIEVE IN  
SHOWING UP  
FOR YOU  
PERIOD.**

**JARVIS IS DEDICATED TO PROVIDING THE ON-SITE FACTORY  
SUPPORT THAT OUR CUSTOMERS WANT (AND NEED).**

**NORTH AMERICAN  
ENGINEERING  
LOCATIONS**

**HAVE PASSPORT—  
WILL TRAVEL**

# FROM STANDARD → TO EXCLUSIVE

EVERYTHING YOU NEED TO KNOW ABOUT THE BENEFITS OF SPECIAL TOOLS AND MAKING THE 'SWITCH'

IF YOU'RE OPERATING STANDARD TOOLS ON A REPETITIVE BASIS—  
CONVERTING TO TOOLS DESIGNED EXCLUSIVELY FOR YOUR  
APPLICATION CAN DRASTICALLY HELP YOUR BOTTOM LINE BY  
REDUCING YOUR COST-PER-HOLE.

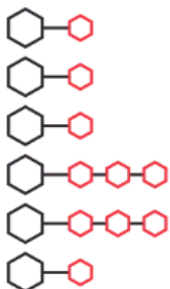


**10+**  
MACHINES



**REPEATING  
PRODUCTION**

A QUICK COST/BENEFIT ANALYSIS IS THE BEST WAY TO DETERMINE IF EXCLUSIVE  
TOOLS ARE RIGHT FOR YOU.



**STANDARD  
DEVIATION**

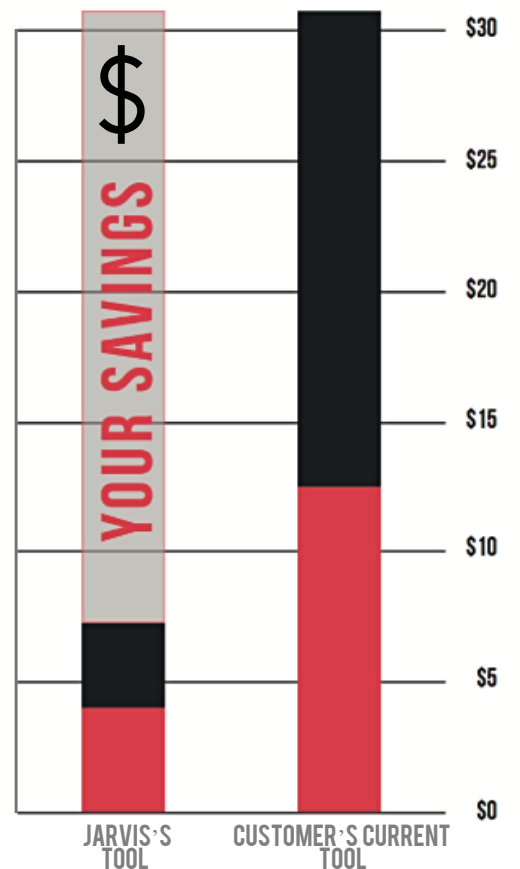
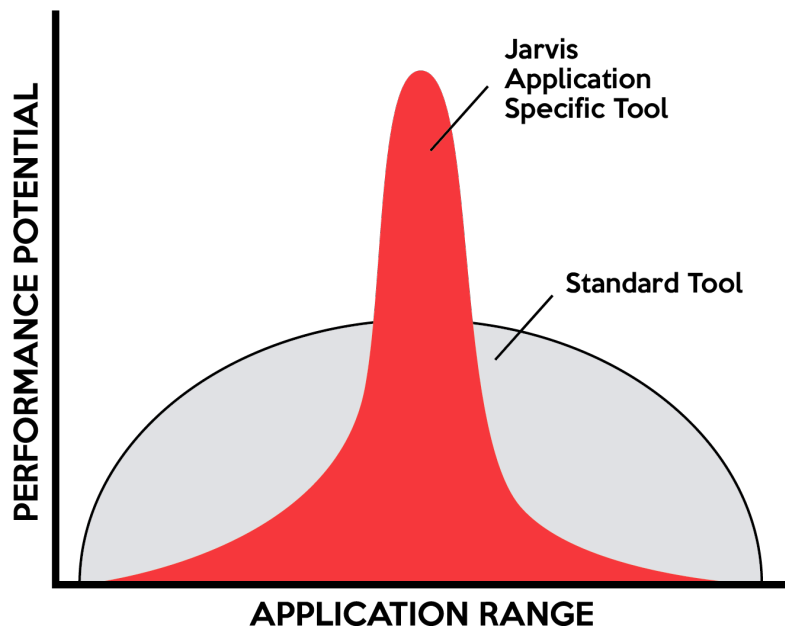


**UNITS PER TAP**



# REDUCING COST PER HOLE IS WHERE WE WIN BIG

■ TOOLING COST PER HOLE ■ LABOR COST PER CYCLE



# TAP FEATURES

## EXCLUSIVELY DESIGNED HIGH-PRODUCTION TAPS FOR DIESEL ENGINE APPLICATIONS

### Coating:

Jarvis' most cost-effective solution is to purchase our own coating system. And this is just what many of competitors have done but not Jarvis. Why? Our goal is to provide the optimal coating for the application. As a result, we work with a group of coating companies. Each company has their own coatings and is constantly working to bring new coatings to the market. Because we are a valued customer of many coating companies, we have access to the best coatings and are not committed to only one system.

So if a single layer coating is what you need, we have a great, cost-effective option. If your application could benefit from a multi-layer coating, we have lots of options.

Whatever will optimize your application, we can provide the solution.

### Geometry:

The geometry starts with the application.

Automotive tapping is all about cycle time and quality. Jarvis Cutting Tools offers a selection of DIN, DIN/ANSI & ANSI automotive taps that help manufacturers reach utmost productivity.

The materials for the automotive industry has been changing recently from plain grey cast iron (GCI) to specialty nodular & compacted graphite iron (CGI) technologies, motivating the design of state-of-the-art taps capable of greater efficiency and longer durability.

The combination of rake angle, relief geometry with bottom & semi-bottom chamfers and specific surface treatment helps overcome the abrasive characteristics of cast iron and other tough ductile materials.

The result? A tool geometry that is optimal for your application. And because we make exclusive tools, this geometry and Jarvis part number is just for you.

### Heat Treatment:

Our heat treat department has two goals. First, we want to give our customers the optimal combination of toughness and hardness. Second, we want each lot to have the identical heat treat properties (or characteristics).

Jarvis uses NC furnaces to monitor and control the entire heat treat process. We have in-house designed software that tracks each lot and insures that we provide our customers a consistent and optimal heat treat.

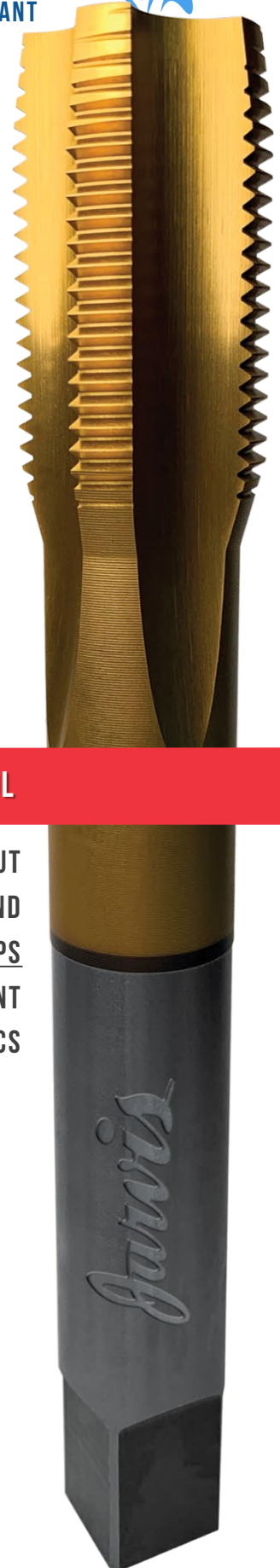
### Base Material:

Jarvis offers multiple grades of conventional and powdered steels. Using the different steel grades allow us to provide the optimal combination of hot hardness and wear resistance depending on the application.

Jarvis works directly with steel mills in the United States and Europe.



OPTIONAL THROUGH HOLES→  
FOR COOLANT-THROUGH AND RADIAL COOLANT



## YOUR EXCLUSIVE TOOL

DIESEL MANUFACTURING IS ALL ABOUT  
CYCLE TIME AND QUALITY AND  
JARVIS APPLICATION SPECIFIC TAPS  
OFFER CLIENTS SIGNIFICANT IMPROVEMENT  
ON BOTH THOSE METRICS

# MACHINE COMPATIBLE TAPS

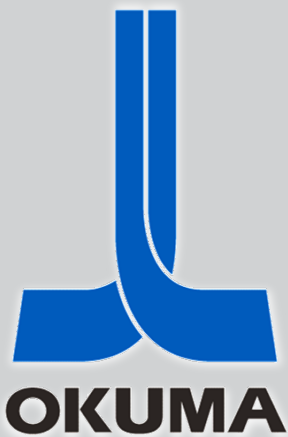
WE HAVE DEVELOPED TAPS THAT WORK PERFECTLY ON INDUSTRY LEADING MACHINES.



**Mazak**  
**DMG MORI**

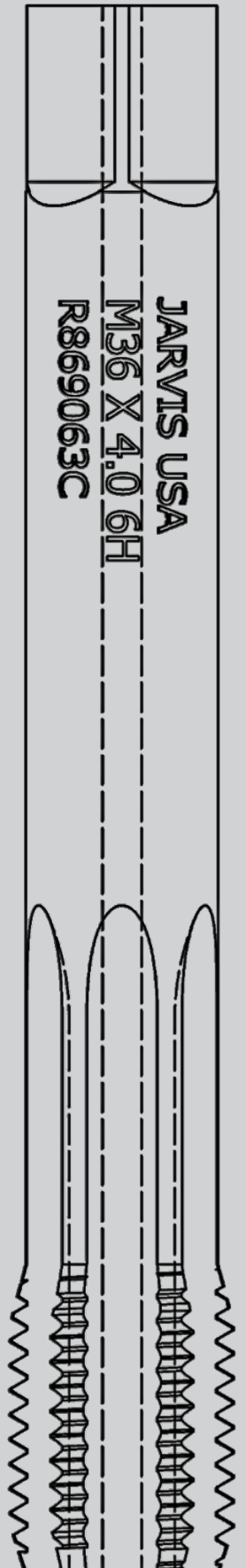


**TOYODA**



**HELLER**

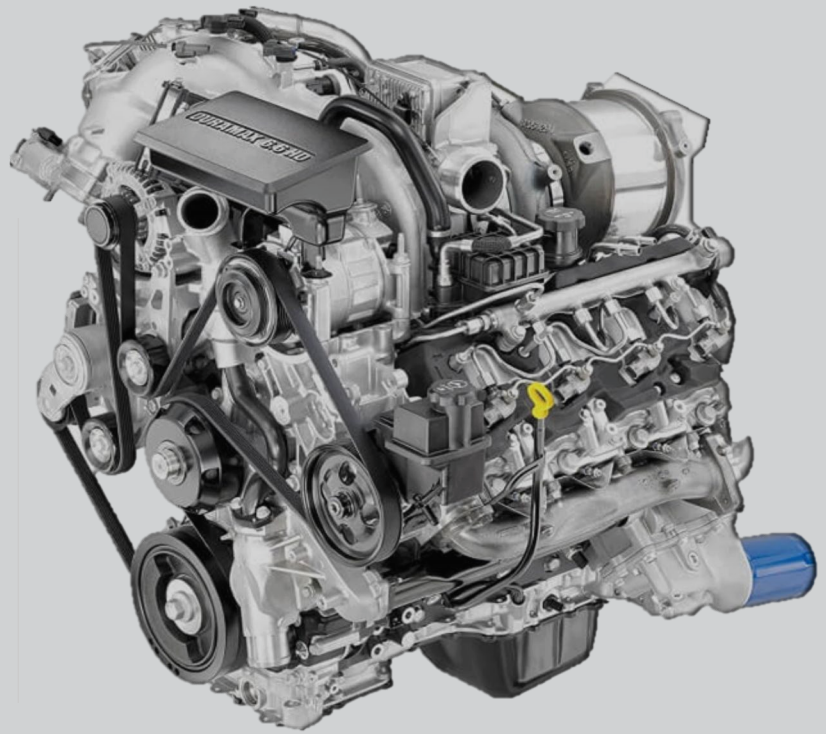
 **Matsuura**







MD Technology



## MATERIALS

WE CAN TAP IT— EVEN IF IT'S A PAIN IN THE AHSS™

**AHSS :**  
Dual Phase •  
Multi-Phase •  
HSLA •



WE HAVE TAPS FOR THAT

**STAINLESS :**  
300 Series •  
400 Series •  
A286 •



WE HAVE TAPS FOR THAT

**STEEL :**  
Galvanized •  
Cold Roll •  
Low Carbon •  
Medium Carbon •



WE HAVE TAPS FOR THAT

**NON-FERROUS :**  
Aluminum •  
Titanium •  
Brass •  
Copper •



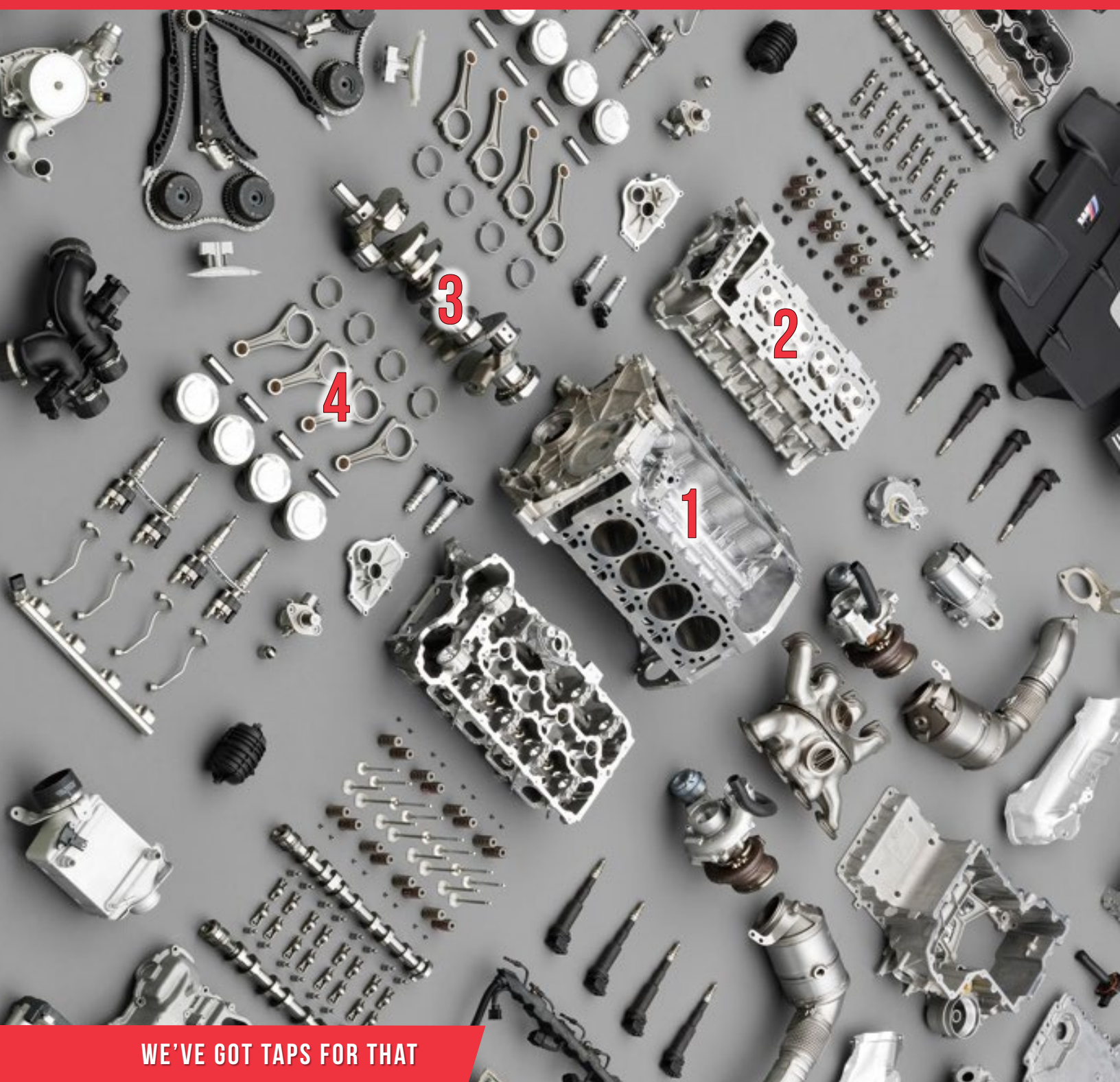
WE HAVE TAPS FOR THAT

**IRON :**  
Grey •  
Nodular •  
CGI •  
Ductile •



WE HAVE TAPS FOR THAT

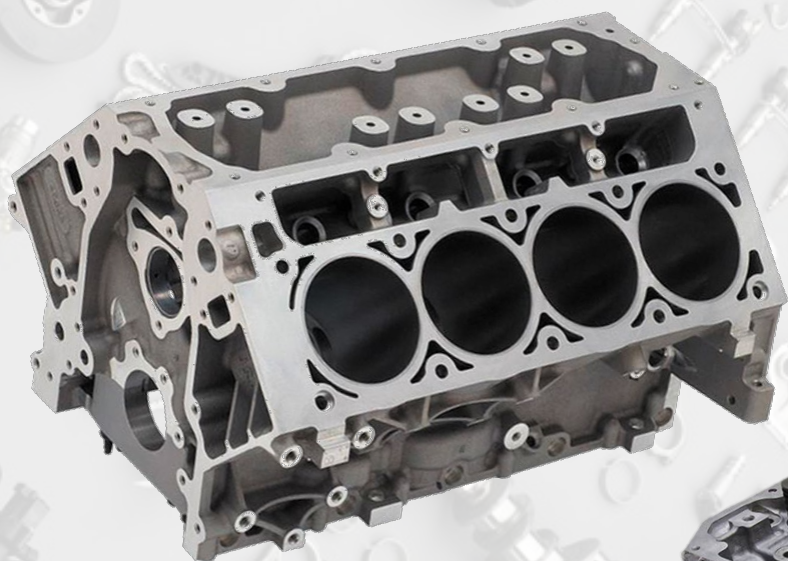
# DIESEL APPLICATIONS



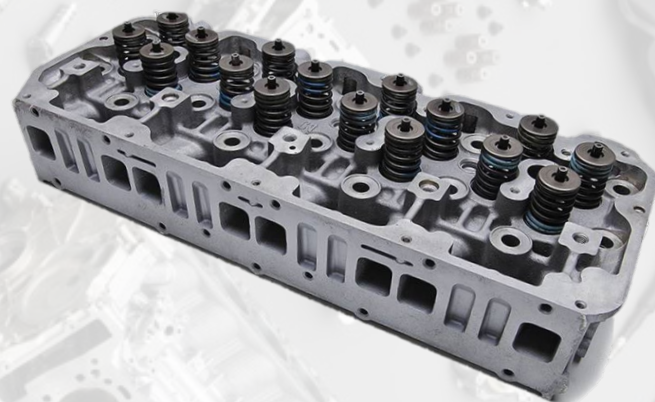
**WE'VE GOT TAPS FOR THAT**

- » PREMIUM VHP MATERIAL WITH NANO PVD COATING FOR CAST, DUCTILE & COMP. GRAPHITE IRON
- » AVAILABLE IN DIN & ANSI, METRIC & INCH WITH COOLANT THROUGH OPTION
- » FULL ARRAY OF THREADING





**«1  
ENGINE BLOCKS**



**2»  
HEAD LINES**



**«3  
CRANKSHAFT  
FLANGES +  
COUNTER  
WEIGHTS**

**4»  
FORGED STEEL  
CONNECTING RODS**



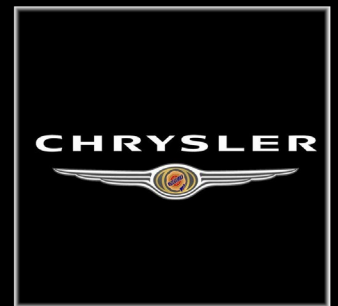


# CURRENT OFFERINGS

SIZE	PART NAME	PART DESCRIPTION	H-LIMIT	COOLANT THROUGH	BOTTOM / SEMI-BOTTOM	PART IDS
1/4-20	J80 ANSI	1/4-20 4FL B	2B	—	BOTTOM	R272424A
	J80 ANSI	1/4-20 4FL S/B	2B	—	SEMI-BOTTOM	R272425A
	J80 ANSI	1/4-20 4FL B O/H	2B	YES	BOTTOM	R272426A
	J80 ANSI	1/4-20 4FL S/B O/H	2B	YES	SEMI-BOTTOM	R272427A
5/16-18	J80 ANSI	5/16-18 4FL B	2B	—	BOTTOM	R272488A
	J80 ANSI	5/16-18 4FL S/B	2B	—	SEMI-BOTTOM	R272487A
	J80 ANSI	5/16-18 4FL B	2B	—	BOTTOM	R272485A
	J80 ANSI	5/16-18 4FL S/B	2B	—	SEMI-BOTTOM	R272486A
3/8-16	J80 ANSI	3/8-16 4FL B	2B	—	BOTTOM	R272564A
	J80 ANSI	3/8-16 4FL S/B	2B	—	SEMI-BOTTOM	R272565A
	J80 ANSI	3/8-16 4FL B O/H	2B	YES	BOTTOM	R272566A
	J80 ANSI	3/8-16 4FL S/B O/H	2B	YES	SEMI-BOTTOM	R272567A
7/16-14	J80 ANSI	7/16-14 4FL B	2B	—	BOTTOM	R272643A
	J80 ANSI	7/16-14 4FL S/B	2B	—	SEMI-BOTTOM	R272644A
	J80 ANSI	7/16-14 4FL B O/H	2B	YES	BOTTOM	R272645A
	J80 ANSI	7/16-14 4FL S/B O/H	2B	YES	SEMI-BOTTOM	R272646A
1/2-13	J80 ANSI	1/2-13 4FL B	2B	—	BOTTOM	R272720A
	J80 ANSI	1/2-13 4FL S/B	2B	—	SEMI-BOTTOM	R272721A
	J80 ANSI	1/2-13 4FL B O/H	2B	YES	BOTTOM	R272724A
	J80 ANSI	1/2-13 4FL S/B O/H	2B	YES	SEMI-BOTTOM	R272725A
9/16-18	J80 ANSI	9/16-18 4FL B	2B	—	BOTTOM	R272748A
	J80 ANSI	9/16-18 4FL S/B	2B	—	SEMI-BOTTOM	R272749A
	J80 ANSI	9/16-18 4FL B O/H	2B	YES	BOTTOM	R272750A
	J80 ANSI	9/16-18 4FL S/B O/H	2B	YES	SEMI-BOTTOM	R272751A
9/16-12	J80 ANSI	9/16-12 4FL B	2B	—	BOTTOM	R272755A
	J80 ANSI	9/16-12 4FL S/B	2B	—	SEMI-BOTTOM	R272758A
5/8-18	J80 ANSI	5/8-18 4FL B	2B	—	BOTTOM	R272896A
	J80 ANSI	5/8-18 4FL S/B	2B	—	SEMI-BOTTOM	R272897A
	J80 ANSI	5/8-18 4FL B O/H	2B	YES	BOTTOM	R272898A
	J80 ANSI	5/8-18 4FL S/B O/H	2B	YES	SEMI-BOTTOM	R272899A
3/4-16	J80 ANSI	3/4-16 4FL B	2B	—	BOTTOM	R272914A
	J80 ANSI	3/4-16 4FL S/B	2B	—	SEMI-BOTTOM	R272915A
	J80 ANSI	3/4-16 4FL B O/H	2B	YES	BOTTOM	R272916A
	J80 ANSI	3/4-16 4FL S/B O/H	2B	YES	SEMI-BOTTOM	R272917A
M6	J80 METRIC	M6 X 1.0 4FL B	6H	—	BOTTOM	R137487A
	J80 METRIC	M6 X 1.0 4FL B	6H	YES	BOTTOM	R137488A
	J80 METRIC	M6 X 1.0 4FL S/B	6H	—	SEMI-BOTTOM	R137482A
	J80 METRIC	M6 X 1.0 4FL S/B	6H	YES	SEMI-BOTTOM	R137483A
M8	J80 METRIC	M8 X 1.25 4FL S/B	6H	—	SEMI-BOTTOM	R137492A
	J80 METRIC	M8 X 1.25 4FL S/B	6H	YES	SEMI-BOTTOM	R137493A
	J80 METRIC	M8 X 1.25 4FL B	6H	—	BOTTOM	R137497A
	J80 METRIC	M8 X 1.25 4FL B	6H	YES	BOTTOM	R137498A
M10	J80 METRIC	M10 X 1.5 4FL S/B	6H	—	SEMI-BOTTOM	R137502A
	J80 METRIC	M10 X 1.5 4FL S/B	6H	YES	SEMI-BOTTOM	R137503A
	J80 METRIC	M10 X 1.5 4FL B	6H	—	BOTTOM	R137507A
	J80 METRIC	M10 X 1.5 4FL B	6H	YES	BOTTOM	R137508A
M12	J80 METRIC	M12 X 1.75 4FL S/B	6H	—	SEMI-BOTTOM	R137602A
	J80 METRIC	M12 X 1.75 4FL S/B	6H	YES	SEMI-BOTTOM	R137603A
	J80 METRIC	M12 X 1.75 4FL B	6H	—	BOTTOM	R137607A
	J80 METRIC	M12 X 1.75 4FL B	6H	YES	BOTTOM	R137608A
M14	J80 METRIC	M14 X 2.0 4FL B	6H	—	BOTTOM	R137667A
	J80 METRIC	M14 X 2.0 4FL B	6H	YES	BOTTOM	R137668A
	J80 METRIC	M14 X 2.0 4FL S/B	6H	—	SEMI-BOTTOM	R137662A
	J80 METRIC	M14 X 2.0 4FL S/B	6H	YES	SEMI-BOTTOM	R137663A
M6	J80 METRIC DIN	M6 X 1.0 4FL S/B O/H DIN	6H	YES	SEMI-BOTTOM	R137480A
	J80 METRIC DIN	M6 X 1.0 4FL B O/H DIN	6H	YES	BOTTOM	R137485A
M8	J80 METRIC DIN	M8 X 1.25 4FL S/B O/H DIN	6H	YES	SEMI-BOTTOM	R137490A
	J80 METRIC DIN	M8 X 1.25 4FL B O/H DIN	6H	YES	BOTTOM	R137495A
M10	J80 METRIC DIN	M10 X 1.5 4FL S/B O/H DIN	6H	YES	SEMI-BOTTOM	R137500A
	J80 METRIC DIN	M10 X 1.5 4FL S/B O/H DIN	6H	YES	SEMI-BOTTOM	R137505A
	J80 METRIC DIN	M10 X 1.5 4FL S/B O/H DIN	6H	YES	SEMI-BOTTOM	R137510A
M12	J80 METRIC DIN	M12 X 1.75 4FL S/B O/H DIN	6H	YES	SEMI-BOTTOM	R137600A
	J80 METRIC DIN	M12 X 1.75 4FL B O/H DIN	6H	YES	BOTTOM	R137605A
	J80 METRIC DIN	M12 X 1.75 4FL S/B O/H DIN	6H	YES	SEMI-BOTTOM	R137610A
M14	J80 METRIC DIN	M14 X 2.0 4FL B O/H DIN	6H	YES	BOTTOM	R137660A
	J80 METRIC DIN	M14 X 2.0 4FL S/B O/H DIN	6H	YES	SEMI-BOTTOM	R137665A
1/4-20	J80 DIN	1/4-20 4FL B O/H DIN	2B	YES	BOTTOM	R137520A
	J80 DIN	1/4-20 4FL S/B O/H DIN	2B	YES	SEMI-BOTTOM	R137525A
5/16-18	J80 DIN	5/16-18 4FL B O/H DIN	2B	YES	BOTTOM	R137540A
	J80 DIN	5/16-18 4FL S/B O/H DIN	2B	YES	SEMI-BOTTOM	R137545A
7/16-14	J80 DIN	7/16-14 4FL B O/H DIN	2B	YES	BOTTOM	R137570A
	J80 DIN	7/16-14 4FL S/B O/H DIN	2B	YES	SEMI-BOTTOM	R137575A
1/2-13	J80 DIN	1/2-13 4FL S/B O/H DIN	2B	YES	SEMI-BOTTOM	R137700A
	J80 DIN	1/2-13 4FL B O/H DIN	2B	YES	BOTTOM	R137705A
9/16-18	J80 DIN	9/16-18 4FL B O/H DIN	2B	YES	BOTTOM	R137710A



# SAMPLE CUSTOMERS





FOR MORE INFORMATION CONTACT:

# JARVIS CUTTING TOOLS

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603-332-9000 | [www.jarviscuttingtools.com](http://www.jarviscuttingtools.com) | [info@jarviscuttingtools.com](mailto:info@jarviscuttingtools.com)

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