

PRODUCT INFORMATION

**0.020" CYLINDER HEAD SPACER SHIMS**

Cylinder Head Spacer Shims help restore the valve train geometry, valve clearance, compression ratio and cam timing to factory specifications on engines where the cylinder head and/or block surfaces have been resurfaced below factory limits.

Shims from **Innovative Machine & Supply** are precision cut from 0.020" cold rolled steel. Shims are individually produced using our CNC laser. This eliminates the rolled edge present on shims that are manufactured using a punch press.

Shims from **Innovative Machine & Supply** are made from steel for several important reasons:

- 1) Steel has a higher heat tolerance than copper, the material used for some other cylinder head shims. In hotter running late model engines, heat resistance is very important to insure the integrity of the shim. Steel is superior for this environment.
- 2) Steel cylinder head shims have a hardness factor similar to that of the block. This allows the gasket fire ring to properly "crush" as the head is torqued to spec.
- 3) Steel shims are less likely to be damaged in shipping and from mishandling or mishaps in the shop.

**Innovative Machine & Supply** is dedicated to being the #1 manufacturer of cylinder head spacer shims. We are constantly developing new part numbers to meet the needs of the ever-changing engine rebuilding/ remanufacturing industry. If we do not have the part you need today, we will probably have it tomorrow. Many new part numbers are developed in response to the calls we receive; please contact us if you do not find the shim for your application.

The information listed in this catalog has been compiled from reliable sources and is correct to the best of our knowledge. Innovative Machine & Supply cannot assume responsibility for possible error. Innovative Machine & Supply liability, expressed or implied, is limited to the stated selling price of any defective goods.

- **CATALOG VERSION 17.06 – Updated November 2018**
- **ALL SHIMS ALSO AVAILABLE IN 0.030, 0.040, & 0.060” THICKNESS**
- **CUSTOM DESIGNED SHIMS & GASKETS**
- **COPPER GASKETS FOR ANY ENGINE:  
0.021 / 0.032 / 0.043 / 0.050 / 0.064 /  
0.072 / 0.081 / 0.093”**
- **REVERSE ENGINEERING ON ANY PART**
- **FULL SERVICE DESIGN & MANUFACTURING**

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## ACURA

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6ℓ (D16A1) 4 Cyl.	86-89	Integra (DOHC 16V)	Fel-Pro 9451PT1 Victor 5774,5825	New 5.195-5.200" Min 5.190"	<b>HSAC16</b>
1.7ℓ (B17A1) 4 Cyl.	92-93	Integra GS-R (DOHC 16V) (VTEC)	Fel-Pro 9274PT Victor 54254	New 5.589-5.593" Min 5.581"	<b>HSO16</b>
1.7ℓ (D17) 4 Cyl.	01-05	EL (SOHC 16V)	Fel-Pro 26236PT Victor 54459	New 3.659-3.663" Min 3.651"	<b>HSO17</b>
1.8ℓ (B18C) 4 Cyl.	94-01	Integra GS-R, Type R (DOHC 16V) (VTEC)	Fel-Pro 9274PT Victor 54254	New 5.589-5.593" Min 5.581"	<b>HSO16</b>
1.8ℓ (B18A,B) 4 Cyl.	90-01	Integra GS, LS (DOHC 16V)	Fel-Pro 9698PT Victor 5889	New 5.1984-5.1988" Min 5.1868"	<b>HSAC18</b>
2.0ℓ (K20A) 4 Cyl.	02-06	RSX (DOHC 16V) (K20A3)	Fel-Pro 26403PT Victor 54521	New 4.092-4.098" Min 4.090"	<b>HSO20C</b>
2.2ℓ (F22B) 4 Cyl.	97	CL (SOHC 16V) (VTEC)	Fel-Pro 9958PT1 Victor 54216	New 3.935-3.939" Min 3.932"	<b>HSO23A</b>
2.3ℓ (F23A) 4 Cyl.	98-99	CL (SOHC 16V) (VTEC)	Fel-Pro 9958PT1 Victor 54216	New 3.935-3.939" Min 3.932"	<b>HSO23A</b>
2.3ℓ (K23A1) 4 Cyl.	07-12	RDX (TURBO)	Fel-Pro N/A Victor N/A	New 4.092-4.096" Min N/A	<b>HSAC23</b>
2.4ℓ (K24A2) 4 Cyl.	04-08	TSX (DOHC 16V)	Fel-Pro 26337PT Victor 54523	New 4.093-4.096" Min 4.087"	<b>HSO24</b>
2.4ℓ (K24Z3) 4 Cyl.	09-13	ILX, TSX (DOHC 16V)	Fel-Pro 26435PT Victor 54772	New 4.093-4.096" Min 4.086"	<b>HSO24A</b>
2.7ℓ (C27A) V6	87-90	Legend (SOHC 24V)	Fel-Pro 9531PT Victor 5773	New 5.2362" Min 5.2282"	<b>HSO27 (2)</b>
3.0ℓ (J30A) V6	97-99	CL (SOHC 24V)	Fel-Pro 26196PT Victor 54217	New 4.762-4.766" Min N/A	<b>HSO30 (2)</b>

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## ACURA

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.	
3.0ℓ (J32A) V6	97-99	CL (VTEC) (SOHC 24V)		Fel-Pro 26260PT Victor 54524	New 4.762-4.766" Min 4.758"	<b>HSHO35 (2)</b>
3.2ℓ (6VD1) V6	96-97	SLX (SOHC 24V)		Fel-Pro 9174PT Victor 54038	New 4.126" Min 4.118"	<b>HSIS32 (2)</b>
3.2ℓ (C32A) V6	91-98	TL, Legend (SOHC 24V)		Fel-Pro 9031,9032PT Victor 5915,5916	New 3.935-3.939" Min 3.927"	<b>HSAC32L HSAC32R</b>
3.2ℓ (J32A) V6	01-03	TL, CL (VTEC) (SOHC 24V)		Fel-ProPT Victor 54524	New 4.762-4.766" Min 4.758"	<b>HSHO35 (2)</b>
3.2ℓ (J32A) V6	04-08	TL (VTEC) (SOHC 24V)		Fel-Pro 26265PT Victor 54578	New 4.762-4.766" Min 4.758"	<b>HSHO35A (2)</b>
3.5ℓ (J35A) V6	03-06	MDX (SOHC)		Fel-Pro 26265PT Victor 54578	New 4.762-4.766" Min 4.758"	<b>HSHO35A(2)</b>
3.5ℓ (J35A) V6	05-08	RL, TL (SOHC)		Fel-Pro 26329PT Victor 54530	New 4.762-4.766" Min 4.758"	<b>HSHO35A(2)</b>
3.5ℓ (J35A7,Z2) V6	09-17	RDX, TL, TSX (SOHC)		Fel-Pro 26509/10PT Victor 54755,54756	New 4.762-4.766" Min 4.758"	<b>HSHO35B(2)</b>
3.5ℓ (6VE1) V6	98-99	SLX (DOHC 24V)		Fel-Pro 9256,9254PT Victor 54410,54411	New 5.236" Min N/A	<b>HSIS32A (2)</b>
3.5ℓ (C35A) V6	96-04	RL (SOHC 24V)		Fel-Pro 9031,9032PT Victor 5915,5916	New 3.935-3.939" Min 3.927"	<b>HSAC32L HSAC32R</b>
3.5ℓ (J35A) V6	01-02	MDX (VTEC)(SOHC 24V)		Fel-Pro 26260PT Victor 54524	New 4.762-4.766" Min 4.758"	<b>HSHO35 (2)</b>

## ALLIS CHALMERS *(copper gaskets available for all listings)*

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.	
3.3ℓ 4 Cyl		Tractor 201, 226		Fel-Pro 7514S Victor	New N/A Min N/A	<b>HSAL201</b>
3.8ℓ 4 Cyl		Tractor 230, 262		Fel-Pro 7805B Victor 3293	New N/A Min N/A	<b>HSAL230</b>

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## ALLIS CHALMERS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
4.9ℓ 4 Cyl		Tractor 265, 301	Fel-Pro <b>8289B</b> Victor <b>3803</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSAL301</b>

## AMC

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
5.9ℓ (360) V8	72-92	AMC/JEEP (343, 360, 390, 401)	Fel-Pro <b>8266PT-1</b> Victor <b>3467</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSAM59</b>

## AUDI

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6ℓ (ME) 4 Cyl.	82-83	4000, Diesel (16V) SOHC	Fel-Pro <b>8841,8844,</b> <b>8845PT</b> Victor <b>3730, 3766</b>	New <b>5.238"</b> Min <b>5.220"</b>	<b>HSVK16-D2</b>
1.8ℓ (JN,MG) 4 Cyl.	84-87	4000 (SOHC 8V) (Water Cooled)	Fel-Pro <b>9090PT</b> Victor <b>3758</b>	New <b>5.238"</b> Min <b>5.215"</b>	<b>HSVK18</b>
1.8ℓ (AEB) 4 Cyl.	97-06	A4, TT, Quattro (20V DOHC) (Turbo included)	Fel-Pro <b>26182PT</b> Victor <b>54397</b>	New <b>5.493"</b> Min <b>5.480"</b>	<b>HSVK18A</b>
2.0ℓ (3A) 4 Cyl.	88-90	80, 90	Fel-Pro <b>9570PT</b> Victor <b>5872</b>	New <b>5.215-5.230"</b> Min <b>5.205"</b>	<b>HSVK20</b>
2.0ℓ (AB) 4 Cyl.	92-96	80, 80 Quattro, 100, Coupe, A6 (16V)	Fel-Pro <b>26164PT</b> Victor <b>54330</b>	New <b>5.5120"</b> Min <b>5.4940"</b>	<b>HSVK20A</b>
2.0ℓ (BPY/BWT) 4 Cyl.	05-11	A3, A4, A4 Quattro, Q5	Fel-Pro <b>26318PT</b> Victor <b>54601</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSVK20C</b>
2.0ℓ (BPY/BWT) 4 Cyl.	08-16	A3, A4, A4 Quattro, Q5	Fel-Pro <b>26455PT</b> Victor <b>54738</b> <b>Beck/Arnley</b> <b>035-2117</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSVK20D</b>
2.1ℓ (WD) 5 Cyl.	76-91	100, 200, 80, Quattro, Coupe (WD, WE, WU, KH) (SOHC)	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New <b>5.236"</b> Min <b>5.226"</b>	<b>HSVK22</b>

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## AUDI (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.1ℓ (WU) 5 Cyl.	84-91	200, 4000, 5000 Quattro (SOHC)	Fel-Pro <b>9282B</b> Victor <b>N/A</b>	New <b>5.236"</b> Min <b>5.226"</b>	<b>HSVK22A</b>
2.2ℓ (JT/KX) 5 Cyl.	84-85	Coupe, 4000, 5000, 5000 Turbo (Quattro) (SOHC)	Fel-Pro <b>21211PT</b> Victor <b>3657</b>	New <b>5.236"</b> Min <b>5.226"</b>	<b>HSVK22</b>
2.2ℓ (KZ/MC) 5 Cyl.	84-91	200, 200 Quattro, 4000, 5000, Coupe Turbo	Fel-Pro <b>9282B</b> Victor <b>N/A</b>	New <b>5.236"</b> Min <b>5.226"</b>	<b>HSVK22A</b>
2.2ℓ (AAN) 5 Cyl.	91-97	S4, S6 (Turbo) (DOHC)	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New <b>4.650"</b> Min <b>N/A</b> <small>Measure from Center of Valve Stem Top Edge of Head.</small>	<b>HSVK22B</b>
2.8ℓ ( ) V6	92-98	A4, A6, 100 Quattro, 90 Quattro, Cabriolet (12V SOHC)	Fel-Pro <b>HS26704PT</b> Victor <b>54042</b>	New <b>5.495"</b> Min <b>5.482"</b>	<b>HSAU28 (2)</b>
2.7ℓ (APB) 6 Cyl.	00-05	A6 Quattro, Allroad, S4 (Turbo) (30V DOHC)	Fel-Pro <b>26607PT</b> Victor <b>54716</b>	New <b>N/A</b> Min <b>5.482"</b>	<b>HSAU27</b>
2.8ℓ (AHA) V6	97-01	A4, A6, A8, Quattro (30V DOHC)	Fel-Pro <b>26328PT</b> Victor <b>54624</b>	New <b>5.495"</b> Min <b>5.482"</b>	<b>HSAU28A (2)</b>
3.2ℓ (195) 6 Cyl.	04-09	A3 Quattro, TT Quattro	Fel-Pro <b>26648PT</b> Victor <b>54629</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSVK32</b>

## BMW

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.3ℓ (W10B16) 4 Cyl.	02-06	One (16V SOHC)	Fel-Pro Victor	New <b>3.820"</b> Min	<b>HSBM16</b>
1.6ℓ (W11B16) 4 Cyl.	02-08	Minicooper (Tritec eng) (16V SOHC)	Fel-Pro <b>26382PT</b> Victor <b>54438</b>	New <b>3.820"</b> Min	<b>HSBM16</b>
1.6ℓ (N14B16) 4 Cyl.	07-13	Minicooper (Prince eng) (Turbo included)	Fel-Pro <b>26458PT</b> Victor <b>54783</b>	New Min	<b>HSBM16B</b>

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## BMW (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.8ℓ (M10) 4 Cyl.	80-85	318i, 320i	Fel-Pro 21212 B Victor 3651	New 5.085-5.090" Min 5.063"	<b>HSBM18</b>
1.8ℓ (M42) 4 Cyl.	89-95	318i	Fel-Pro N/A Victor 54682	New 5.508-5.516" Min 5.494"	<b>HSBM18A</b>
1.9ℓ (M44) 4 Cyl.	96-99	318i, Z3	Fel-Pro 26585PT Victor 54728	New 5.508-5.516" Min 5.494"	<b>HSBM18A</b>
2.0ℓ (M10) 4 Cyl.	66-76	2000, 2000c, 2000cs 2002, 2002ti, 320i	Fel-Pro 21212 B Victor 3651	New 5.085-5.090" Min 5.063"	<b>HSBM18</b>
2.0ℓ (S14) 4 Cyl.	88-	320i-S (16V)	Fel-Pro N/A Victor N/A	New 3.778-3.779" Min 3.765"	<b>HSBM23</b>
2.3ℓ (S14) 4 Cyl.	86-91	M3 E30 (16V DOHC)	Fel-Pro N/A Victor N/A	New 3.778-3.779" Min 3.765"	<b>HSBM23</b>
2.4ℓ (M21D) 6 Cyl.	85-86	324D, 324TD, 524D, 524TD (DIESEL)	Fel-Pro N/A Victor N/A	New 5.835" Min 5.827"	<b>HSBM24D</b>
2.5ℓ (M20) 6 Cyl.	87-93	325i, 325ic, 325is, 325ix, 525	Fel-Pro 9397 B Victor 4839	New 4.920-4.925" Min 4.909"	<b>HSBM25</b>
2.5ℓ (M50/M52) 6 Cyl.	91-98	323, 325, 525 (DOHC 24V)	Fel-Pro 26252 Victor 54733	New 140 mm Min 139.7 mm	<b>HSBM25A</b>
2.5ℓ (M54) 6 Cyl.	99-06	323i, 325Ci, 525i, X3, Z3 (DOHC 24V)	Fel-Pro 26245 Victor 54414	New 140 mm Min 139.7 mm	<b>HSBM25C</b>
2.7ℓ (M20) 6 Cyl.	82-89	325E, 525E, 528E	Fel-Pro 9397B Victor 4839	New 4.935-4.940" Min 4.909"	<b>HSBM25</b>
2.8ℓ (M54) 6 Cyl.	99-00	328Ci, 528i, Z3 (DOHC 24V)	Fel-Pro 26245 Victor 54414	New 140 mm Min 139.7 mm	<b>HSBM25C</b>

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### BMW (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.8ℓ (M50/M52) 6 Cyl.	96-98	328I, 328IS, 528I, Z3 (DOHC 24V)	Fel-Pro 26252 Victor 54733	New 140 mm Min 139.7 mm	<b>HSBM25A</b>
2.8ℓ ( ) 6 Cyl.	79-81	528I, 628I, 728I	Fel-Pro 9099B Victor 3650	New 5.085-5.090" Min 5.063"	<b>HSBM28</b>
3.0ℓ (M54) 6 Cyl.	01-06	330Ci, 525i, X3, X5, Z4 (DOHC 24V)	Fel-Pro 26245 Victor 54414	New 140 mm Min 139.7 mm	<b>HSBM25C</b>
3.4ℓ (M30) 6 Cyl.	82-93	535I, 635Csi, 735I	Fel-Pro N/A Victor N/A	New 5.085-5.090" Min 5.063"	<b>HSBM34</b>
3.5ℓ (M30) 6 Cyl.	83-93	535I, 635Csi, 735I (DOHC)	Fel-Pro 26580PT Victor 4863	New 3.788-3.779" Min 3.766"	
4.0ℓ (M60) V8	93-95	540I, 740I (DOHC 32V)	Fel-Pro 26342, 26343PT Victor 54725, 54726	New 5.510" Min 5.500"	<b>HSBM40L HSBM40R</b>

### CADILLAC

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.8ℓ (173) V6.	85-88	<i>Passenger Cars</i>	Fel-Pro 8699PT-2, 9471PT Victor 3549, 3793	New 3.585-3.595" Min 3.575"	<b>HSGM28 (2)</b>
3.0ℓ (181) V6	97-01	Catera (DOHC 24V) (Vin R)	Fel-Pro 26189, 26173PT Victor 54636, 54635	New 5.272-5.280" Min 5.272"	<b>HSGM30-OPEL</b>
3.2ℓ (197) V6	03-04	CTS, DOHC OE # 55354629	Fel-Pro 26489PT Victor 54735	<b>N/A</b>	<b>HSCD32 (2)</b>
4.1ℓ ( )		Using Aftermarket Gasket	Fel-Pro 8753PT-1 Victor 5781	<b>N/A</b>	<b>HSCD41</b>
4.1ℓ (252) V8	82-88	Using Aftermarket Gasket	Fel-Pro 8753PT-1 Victor 5781	<b>N/A</b>	<b>HSCD49 (2)</b>



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### CADILLAC (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
4.5ℓ (273) V8	88-92	Using Aftermarket Gasket	Fel-Pro 8753PT-1 Victor 5781	N/A	HSCD45 (2)
4.5ℓ ( ) V8	88-92	Using Aftermarket Gasket	Fel-Pro 8753PT-1 Victor 5781	N/A	HSCD49 (2)
4.6ℓ (281) V8	93-11	Cadillac <i>Northstar</i> Eng. (L37, LD8) (32V)	Fel-Pro 26150, 26151PT Victor 54356,54357	N/A	HSCD46L HSCD46R
4.9ℓ (300) V8	91-95	Using Aftermarket Gasket	Fel-Pro 8753PT-1 Victor 5781	N/A	HSCD45 (2)
4.9ℓ ( ) V8	91-95	Using Aftermarket Gasket	Fel-Pro 8753PT-1 Victor 5781	N/A	HSCD49 (2)
5.7ℓ (350) V8	90-00	<i>Passenger Cars</i>	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
6.0ℓ (365) V8	56-63	<i>Passenger Cars</i>	Fel-Pro 7893 Victor N/A	N/A	HSCD390 (2)
6.4ℓ (390) V8	56-63	<i>Passenger Cars</i>	Fel-Pro 7893 Victor N/A	N/A	HSCD390 (2)
7.0ℓ (429) V8	64-67	<i>Passenger Cars</i>	Fel-Pro 7893 PT-1 Victor N/A	N/A	HSCD429 (2)
7.7/8.2ℓ (472,500) V8	68-76	<i>Passenger Cars</i>	Fel-Pro 8255PT Victor 3852	N/A	HSCD500

### CATERPILLAR

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
10.4ℓ V8		DIESEL	Fel-Pro 8493PT Victor N/A	New Min	HSCAT3208
V8		DIESEL	Fel-Pro Victor N/A	New Min	HSCAT3408

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## CHRYSLER

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.4ℓ (86) 4 Cyl.	79-84	Colt, Champ (SOHC 8V) <i>J Engine</i>	Fel-Pro 9352PT Victor 3675	New 4.216" Min 4.200"	<b>HSMT15</b>
1.5ℓ (92) 4 Cyl.	91-95	Colt (SOHC 12V) <i>Q Engine</i>	Fel-Pro 9758PT Victor 5907	New 4.2086-4.2165" Min 4.2006"	<b>HSMT15</b>
1.5ℓ (92) 4 Cyl.	85-90	Colt (SOHC 8V) <i>Q Engine</i>	Fel-Pro 9352PT Victor 3675	New 4.2086-4.2165" Min 4.2006"	<b>HSMT15</b>
1.6ℓ (98) 4 Cyl.	89-90	Colt (DOHC, Turbo) <i>K Engine (4G61)</i>	Fel-Pro 9627PT Victor 5811	New 5.200" Min 5.1929"	<b>HSMT20B</b>
1.8ℓ (107) 4 Cyl.	89-94	Laser, Colt (SOHC 8V)	Fel-Pro 9846PT Victor 5812	New 3.484" Min 3.476"	<b>HSMT18A</b>
1.8ℓ (112) 4 Cyl.	92-94	Colt, Colt Vista (SOHC 16V)	Fel-Pro 9887PT Victor 54172	New 4.720-4.728" Min 4.712"	<b>HSMT18B</b>
2.0ℓ (122) 4 Cyl.	83-89	Pick Up, Colt Vista (SOHC 8V) (G63B)	Fel-Pro 9086PT Victor 5703	New 3.543-3.548" Min 3.5230"	<b>HSMT20B</b>
2.0ℓ (122) 4 Cyl.	83-91	Colt Vista (SOHC 8V) (G63B)	Fel-Pro 9086PT Victor 5703	New 3.543-3.548" Min 3.5230"	<b>HSMT20B</b>
2.0ℓ (122) 4 Cyl.	89-94	Laser (DOHC 16V) (4G63)	Fel-Pro 9627PT Victor 5875	New 5.1968-5.201" Min 5.188"	<b>HSMT20B</b>
2.0ℓ (G52B) 4 Cyl.	74-79	Passenger Cars & Light Trucks (4G52 also)	Fel-Pro 8788B Victor	New 5.193-5.201" Min 5.185"	<b>HSMT20C</b>
2.0ℓ (ECB) 4 Cyl.	95-05	Cirrus, Neon, Stratus, Breeze, SX2.0 (SOHC)	Fel-Pro 9036PT, 26500PT Victor 5936A	New 4.568" Min 4.56"	<b>HSCH20</b>
2.0ℓ (ECC) 4 Cyl.	95-99	Neon, Avenger, Sebring (DOHC 16V) (420A)	Fel-Pro 9922PT Victor 54044	New 5.4115-5.4193" Min 5.4035"	<b>HSCH20A</b>

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## CHRYSLER (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (122) 4 Cyl.	07-12	Caliber (DOHC 16V)	Fel-Pro 26557PT Victor N/A	New N/A Min N/A	<b>HSCH24C</b>
2.2ℓ (135) 4 Cyl.	81-90	Caravan, Voyager, Omni, Horizon, Aries, LeBaron, Daytona, Charger, Turismo	Fel-Pro 9296PT Victor 54097	New 4.133" Min 4.113"	<b>HSCH22</b>
2.4ℓ (144) 4 Cyl.	90-93	Ram, Power Ram 50 (SOHC 8V)	Fel-Pro 9388PT Victor 5747	New 3.543-3.548" Min 3.5230"	<b>HSMT24</b>
2.4ℓ (144) 4 Cyl.	92	Colt Vista (SOHC 8V)	Fel-Pro 9388PT Victor 5747	New 3.543-3.548" Min 3.5230"	<b>HSMT24</b>
2.4ℓ (144) 4 Cyl.	93-95	Colt Vista (SOHC 16V)	Fel-Pro 9932PT Victor 54119G	New 4.720-4.728" Min 4.712"	<b>HSMT24A</b>
2.4ℓ (144) 4 Cyl.	07-13	200, Sebring, Avenger, Caliber (DOHC 16V)	Fel-Pro 26332, 26557PT Victor N/A	New N/A Min N/A	<b>HSCH24C</b>
2.4ℓ (146) 4 Cyl.	95-01	Caravan, <i>Passenger Cars</i> (DOHC 16V)	Fel-Pro 9924PT Victor 54044	New 5.428-5.430" Min 5.4035"	<b>HSCH24</b>
2.4ℓ (148) 4 Cyl.	02-10	Caravan, <i>Passenger Cars</i> (DOHC 16V)	Fel-Pro 26206, 26202PT Victor 54420	New 5.4115-5.4193" Min 5.4035"	<b>HSCH24A</b>
2.4ℓ (146) 4 Cyl.	01	PT Cruiser (DOHC 16V) <b>(SINGLE YEAR APPLICATION)</b>	Fel-Pro 9946PT Victor 54403	New 5.428-5.430" Min 5.4035"	<b>HSCH24B</b>
2.4ℓ (4G64) 4 Cyl.	01-05	Stratus (Coupe), Sebring (SOHC 16V)	Fel-Pro 26172PT Victor 54329	New 4.724" Min N/A	<b>HSMT24B</b>
2.5ℓ (153) 4 Cyl.	86-95	Caravan, Voyager, Ram Van, Daytona, Shadow, Sundance	Fel-Pro 9296PT Victor 54097	New 4.1330" Min 4.1130"	<b>HSCH22</b>
2.5ℓ (EEB,152) V6	95-00	All Pass Cars ( -98), Stratus ( -99) (SOHC)	Fel-Pro 9037, 9158PT Victor 54150G, 54248	New 4.725" Min 4.717"	<b>HSCH25 (2)</b>

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## CHRYSLER (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (6G73) V6	2000	Avenger, Sebring (SOHC)	Fel-Pro 9158PT Victor 54248	New 4.720-4.730" Min 4.717"	<b>HSCH25A (2)</b>
2.6ℓ (156) 4 Cyl.	81-89	Challenger, Colt, D-50 Pickup, Arrow, Ram Pick Up, Aries, Reliant, Le Baron, New Yorker, Caravan, Voyager	Fel-Pro 8770PT Victor N/A	New 3.543" Min 3.523"	<b>HSMT26</b>
2.7ℓ (165) 5 Cyl.	03-06	Sprinter 2500, 3500 (Diesel DOHC) Turbo	Fel-Pro 26319PT Victor 54429	New 4.994-5.009" Min N/A	<b>HSMB27</b>
2.7ℓ (167) V6	98-10	Concorde, Intrepid, Sebring Stratus (DOHC 24V)	Fel-Pro 9514, 9517 Victor 54230, 54231	New 4.491-4.494" Min N/A	<b>HSCH27L HSCH27R</b>
3.0ℓ (6G72) V6	87-00	Caravan, Voyager, Dynasty, Daytona, Le Baron, Spirit, Acclaim, New Yorker, Ram 50, Raider (SOHC)	Fel-Pro 9112PT Victor 5765	New 3.303-3.311" Min 3.295"	<b>HSMT30 (2)</b>
3.0ℓ (6G72) V6	91-96	Stealth (DOHC)	Fel-Pro 9842, 26186PT Victor 54492	New 5.200-5.210" Min 5.1888"	<b>HSMT30A (2)</b>
3.0ℓ (182) V6	88-92	Monaco, Premier (SOHC) <i>Volvo/Renault Engine</i>	Fel-Pro 9389, 9387B1 Victor N/A	New 4.363" Min 4.363"	<b>HSVO30L HSVO30R</b>
3.0ℓ (6G72) V6 (24V)	01-05	Sebring, Stratus (SOHC)	Fel-Pro 9537PT Victor 54494	New 5.200-5.210" Min 5.1888"	<b>HSMT30A (2)</b>
3.2ℓ (197) V6	98-01	Concord, Intrepid, (SOHC-24V)	Fel-Pro 9425, 9455PT Victor N/A	New N/A Min N/A	<b>HSCH32</b>
3.3ℓ (201) V6	90-00	Intrepid, Caravan, Voyager	Fel-Pro 9676PT-1 9673PT-1 Victor 5985G, 5986G	New 4.248-4.253" Min 4.240"	<b>HSCH33L HSCH33R</b>
3.3ℓ (202) V6	01-10	Caravan, Voyager	Fel-Pro 9978, 9981PT Victor 54322, 54323	New 4.248-4.253" Min 4.240"	<b>HSCH33A (2)</b>
3.5ℓ (215) V6	93-97	Passenger Cars (SOHC 24V) Vin F	Fel-Pro 9926, 9927 Victor 5979, 5978	New 4.7392-4.749" Min 4.7312"	<b>HSCH35L HSCH35R</b>

**INNOVATIVE MACHINE & SUPPLY - 800 736 1875**

**CHRYSLER (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.5ℓ (215) V6	99-10	Passenger Cars (SOHC 24V) Vin G, M	Fel-Pro 9507/9505, 26208/26209PT Victor 54112/54113 54371/54372	New 4.7392-4.749" Min 4.7312"	<b>HSCH35A (2)</b>
3.6ℓ (220) V6	11-16	Passenger Cars (SOHC 24V)	Fel-Pro 26542PT, 26541PT Victor 54880, 54879	New N/A Min N/A	<b>HSCH36L HSCH36R</b>
3.7ℓ (226) V6	02-11	Light Truck (SOHC 12V)	Fel-Pro 26229PT Victor 54250	New 4.592" Min N/A	<b>HSCH37 (2)</b>
3.8ℓ (231) V6	91-00	Imperial, Town & Country, Caravan, Voyager VIN L	Fel-Pro 9535, 9536PT Victor 54399, 54398	New 0.954" Min N/A Measured from Outer Head Bolt	<b>HSCH38L HSCH38R</b>
3.8ℓ (231) V6	01-10	Light Truck VIN L	Fel-Pro 9996, 9997 Victor 54324, 54325	New .945" Min N/A	<b>HSCH38AL HSCH38AR</b>
3.9ℓ (238) V6	87-91	Dodge V6 Truck	Fel-Pro 9111PT Victor 5741	<b>N/A</b>	<b>HSCH39A (2)</b>
3.9ℓ (239) V6	92-03	Dodge V6 Truck (Magnum)	Fel-Pro 9910PT Victor 5941	<b>N/A</b>	<b>HSCH39 (2)</b>
4.0ℓ (241) V6	07-11	Passenger Cars (SOHC 24V) Vin G	Fel-Pro 26208, 26209PT Victor 54371, 54372	New 4.7392-4.749" Min 4.7312"	<b>HSCH35A (2)</b>
(242) L6	37-60	Chrysler Flat Head (Desoto, Dodge, Fargo incl) (228, 237, 242, 251, 265)	Fel-Pro 7256C Victor	New N/A Min N/A	<b>HSCH242</b>
4.7ℓ (285/287) V8	00-13	Dodge, Ram, Light Truck (SOHC 16V)	Fel-Pro 26157PT Victor 54237	New 4.585-4.592" Min 4.585"	<b>HSCH47 (2)</b>
5.2ℓ (318) V8	67-92	Passenger Car & Light Truck (Non Magnum)	Fel-Pro 8553PT Victor 3536	<b>N/A</b>	<b>HSCH52 (2)</b>
5.2ℓ (318/360) V8	91-03	Dodge V8 Truck (Magnum)	Fel-Pro 9898PT Victor 5940	<b>N/A</b>	<b>HSCH52A (2)</b>

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## CHRYSLER (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
340 V8	68-73	Passenger Car & Light Truck	Fel-Pro 8553PT Victor 3536	N/A	HSCH52 (2)
5.7ℓ (345) V8	03-18	300, Dodge, Magnum Truck (Hemi)	Fel-Pro 26284,26286 26426,26423PT Victor 54417, 54418	New 4.6330" Min N/A	HSCH57L HSCH57R
350 V8	58-78	Passenger Car & Light Truck (350, 383, 413, 440)	Fel-Pro 8519PT Victor	N/A	HSCH63 (2)
5.9ℓ (360) V8	71-92	Passenger Car & Light Truck	Fel-Pro 8553PT Victor 3536	N/A	HSCH52 (2)
5.9ℓ (360) V8	93-03	Dodge V8 Truck (Magnum)	Fel-Pro 9898PT Victor 5940	N/A	HSCH52A (2)
5.9ℓ (359) L6	89-96	D250,350, Ram 2500, 3500 Cummins (Diesel)	Fel-Pro 9332PT Victor 4068	New 3.747-3.749" Min 3.700"	HSCH59D
5.9ℓ (359) L6	03-09	Ram 2500, 3500 Cummins (Diesel)	Fel-Pro 26216, 26218PT Victor 54557	New 4.140" Min 4.124"	HSCH59DA
6.1ℓ (370) V8	05-10	300, Dodge, Jeep (06-10)	Fel-Pro 26366PT Victor 54734	New 2.761" Min N/A	HSCH61 (2)
6.7ℓ (408) L6	07-16	B Series, Ram 2500, 3500, ISB Cummins (Diesel)	Fel-Pro 26679PT Victor 54774	New N/A Min N/A	HSCH67
7.0ℓ (426) V8	64-71	Hemi (Performance App)	Fel-Pro 1106 Victor N/A	N/A	HSCH70-1106
8.0ℓ (488) V10	94-03	Dodge V10 Truck (Iron Block)	Fel-Pro 9034PT Victor 54045	N/A	HSCH80 (2)

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## CUSHMAN

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
(327) 3 cyl		Truckster/ Haulster	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New Min	<b>HSCU327</b>
3.9l (4B) 4 cyl		L4 (DIESEL)	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New Min	<b>HSCUM39</b>

## DAEWOO

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6l (A16) 4 Cyl.	99-02	Lanos (DOHC 16V)	Fel-Pro <b>26385</b> Victor <b>N/A</b>	New <b>5.440"</b> Min <b>5.438"</b>	<b>HSDW16</b>
2.0l (X20SE) 4 Cyl.	99-02	Nubira (DOHC 16V)	Fel-Pro <b>26317PT</b> Victor <b>54395A</b>	New <b>5.276-5.280"</b> Min <b>5.270"</b>	<b>HSIS22</b>
2.2l (X22SE) 4 Cyl.	99-02	Leganza (DOHC 16V)	Fel-Pro <b>26317PT</b> Victor <b>54395A</b>	New <b>5.276-5.280"</b> Min <b>5.271"</b>	<b>HSIS22</b>

## FIAT

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.3l (128A) 4 Cyl.	71-82		Fel-Pro <b>21195PT</b> Victor <b>N/A</b>	New Min	<b>HSFT13</b>

## FORD

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.3l (81) 4 Cyl.	88-97	Festiva, Aspire (Mazda Eng.)	Fel-Pro <b>9555</b> Victor <b>5880</b>	New <b>4.228-4.236"</b> Min <b>4.220"</b>	<b>HSFO13</b>
1.6l (98/116) 4 Cyl.	81-85	Escort, EXP, LN7, Lynx	Fel-Pro <b>9309PT-2</b> Victor <b>5739</b>	New <b>5.080"</b> Min <b>5.055"</b>	<b>HSFO19</b>
1.6l (B6) 4 Cyl.	86-89	Tracer (SOHC)	Fel-Pro <b>9461PT</b> Victor <b>5736</b>	New <b>4.228-4.236"</b> Min <b>4.220"</b>	<b>HSMZ16</b>
1.6l (B6E) 4 Cyl.	91-94	Capri (DOHC) (Turbo included)	Fel-Pro <b>9691PT</b> Victor <b>5868</b>	New <b>5.268-5.276"</b> Min <b>5.2677"</b>	<b>HSMZ16A</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## FORD (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.8ℓ (112) 4 Cyl.	91-96	Escort, Tracer (DOHC)	Fel-Pro 9717PT Victor 5878	New 5.2681-5.2759" Min 5.2767"	<b>HSMZ18</b>
1.9ℓ (116) 4 Cyl.	85-96	Escort, EXP, Lynx	Fel-Pro 9309PT-2 Victor 5884	New 5.080" Min 5.055"	<b>HSFO19</b>
2.0ℓ (MA) 4 Cyl.	79-82	Courier (SOHC)	Fel-Pro 8502PT Victor N/A	New 3.815" Min 3.795"	<b>HSMZ16-MA</b>
2.0ℓ (121) 4 Cyl.	97-99	Escort, Tracer (SOHC)	Fel-Pro 9309PT-2 Victor 54227	New 5.075-5.085" Min 5.065"	<b>HSFO19</b>
2.0ℓ (RF) 4 Cyl.	84-87	Passenger Car (SOHC) (Diesel)	Fel-Pro NA Victor NA	New 5.277-5.290" Min N/A	<b>HSMZ20-D1</b>
2.0ℓ (FS) 4 Cyl.	93-97	Probe (DOHC 16V)	Fel-Pro 9711PT Victor 5942	New 4.8996-4.9035" Min 4.8936"	<b>HSMZ20A</b>
2.0ℓ (ZETEC) 4 Cyl.	95-04	Contour, Mystique, Cougar, Escort (DOHC 16V) (ZETEC)	Fel-Pro 9005PT Victor 54197	New 5.230-5.236" Min 5.225"	<b>HSFO20</b>
2.0ℓ (121) 4 Cyl.	00-04	Escort, Focus, (SOHC) (VIN P)	Fel-Pro 9539PT Victor 54350	New 5.075-5.085" Min 5.065"	<b>HSFO20A</b>
2.0ℓ (121) 4 Cyl.	05-12	Passenger Cars & Light Trucks (Duratec) (DOHC 16V)	Fel-Pro 26250PT Victor 54516	New N/A Min N/A	<b>HSMZ23A</b>
2.2ℓ (134) 4 Cyl.	89-92	Probe, Probe Turbo (12V)	Fel-Pro 9572PT Victor 5851	New 3.620-3.624" Min 3.612"	<b>HSMZ22A</b>
2.3ℓ (140) 4 Cyl.	74-01	Passenger Car (except Tempo & Topaz), Light Truck, Aerostar (OHC) (includes Turbo)	Fel-Pro 8993PT-1 Victor 4029	New 3.780-3.790" Min N/A	<b>HSFO23</b>
2.3ℓ (140) 4 Cyl.	03-11	Passenger Cars & Light Trucks (Duratec) (DOHC 16V)	Fel-Pro 26250, 26316PT Victor 54516,54729	New N/A Min N/A	<b>HSMZ23A</b>



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## FORD (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.4ℓ (144) L6	60-83	Falcon, Mercury Comet	Fel-Pro 7916PT1 Victor 3910	N/A	HSFO200
2.5ℓ (KL) V6	93-97	Probe (DOHC 24V)	Fel-Pro 9921,9923PT Victor 54061,54060	New 5.252-5.260" Min 5.246"	HSMZ25 (2)
2.5ℓ (152) L4	09-16	Escape, Fusion, Transit Connect, Mercury Mariner, Milan	Fel-Pro 26522PT Victor 54727	New N/A Min N/A	HSMZ25B
2.5ℓ ( ) V6	01-02	Mercury Cougar (DOHC)	Fel-Pro 26165, 26166PT Victor N/A	New 5.154-5.167" Min 5.154"	HSFO25 (2)
2.5ℓ (155) V6	95-00	Mercury Mystique, Cougar, Contour	Fel-Pro 9038,9039PT Victor N/A	New 5.154-5.167" Min 5.154"	HSMZ25AL HSMZ25AR
2.8ℓ (170) L6	61-72	Falcon, Mercury Comet, Mustang	Fel-Pro 7916 Victor 3910	N/A	HSFO200
2.8ℓ (171) V6	74-79 83-86	Bobcat, Capri, Mustang, Pinto Aerostar, Bronco II, Ranger	Fel-Pro 9136PT, 9132PT Victor N/A	New 2.885-2.890" Min 2.875"	HSFO28L HSFO28R
2.9ℓ (177) V6	86-92	<i>Passenger Cars, Light Trucks</i>	Fel-Pro 9511, 9510PT Victor 5721, 5722	New 2.885-2.890" Min 2.875"	HSFO29L HSFO29R
3.0ℓ (VG30) V6	93-98	Villager	Fel-Pro 9571PT Victor 5826	New 4.2047-4.2200" Min 4.1967"	HSNS30 (2)
3.0ℓ (181) V6	96-09	Passenger Cars, Light Trucks ( <i>Duratec</i> )(DOHC)	Fel-Pro 9481/82, 9540/41,26233/12PT Victor 54364,54363 54517,54518/19	New 5.155-5.163" Min N/A	HSFO30AL HSFO30AR
3.0ℓ (183) V6	86-08	Ranger, Aerostar (OHV) (exc. Windstar)	Fel-Pro 9902,9903 Victor 5927,5926	New 3.620-3.630" Min N/A	HSFO30L HSFO30R
3.0ℓ (183) V6	86-07	Pass Car, Light Truck (OHV) (incl. Windstar)	Fel-Pro 9885 Victor 5891	New 3.620-3.630" Min N/A	HSFO30B (2)

**INNOVATIVE MACHINE & SUPPLY - 800 736 1875**

**FORD (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.3ℓ (200) 4 Cyl	28-34	Model A/B	Fel-Pro 7012B Victor N/A	New Min	<b>HSFOMODELA/B</b>
3.3ℓ (VG33E) V6	99-02	Villager (SOHC 12V)	Fel-Pro 26219PT Victor N/A	New 4.205-4.220" Min N/A"	<b>HSNS33 (2)</b>
3.3ℓ (200) L6	63-83	Passenger Car	Fel-Pro 7916PT-1 Victor 3910	<b>N/A</b>	<b>HSFO200</b>
3.4ℓ (207) V6	96-99	Taurus (Yamaha Eng.)	Fel-Pro N/A Victor N/A	<b>N/A</b>	<b>HSFO34L HSFO34R</b>
3.6ℓ (221) V8	32-38	Flat Head – "21 Stud" (2 may be required)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSFO221</b>
3.8ℓ (230) V6	82-96	Cougar, T-Bird, Mustang, Light Trucks (RWD)	Fel-Pro 8857PT-1 Victor 54191	New 3.055-3.070" Min 3.045"	<b>HSFO38A (2)</b>
3.8ℓ (230) V6	88-95	Lincoln Continental, Sable, Taurus, Windstar (FWD)	Fel-Pro 9560PT Victor 5786	New 3.055-3.070" Min 3.045"	<b>HSFO38A (2)</b>
3.8ℓ (232) V6	96	Windstar	Fel-Pro 9234PT Victor 5786	<b>N/A</b>	<b>HSFO38D (2)</b>
3.8ℓ (232) V6	97-98	Mustang (RWD)	Fel-Pro 9262,9263PT Victor 54178,54177	<b>N/A</b>	<b>HSFO38BL HSFO38BR</b>
3.8ℓ (232) V6	97-03	Mustang, Windstar Truck (97-03), Car (99-04)	Fel-Pro 9250,9253PT Victor 54176,54175	<b>N/A</b>	<b>HSFO38C (2)</b>
3.9ℓ (239) V8	39-48	Flat Head - "24 Stud" (2 may be required)	Fel-Pro 7548B Victor 1026	<b>N/A</b>	<b>HSFO239-7548</b>
3.9ℓ (239) V8	49-53	Flat Head	Fel-Pro 7525, 7526 Victor 1084,1085	<b>N/A</b>	<b>HSFO239-7525 HSFO239-7526</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## FORD (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.9ℓ (239) V8	54-62	Passenger Car, Light Truck (256, 272, 292, 312) (2 may be required)	Fel-Pro 7999PT Victor 1176TC	N/A	HSFO239-7999
3.9ℓ (240) Strght 6	65-74	Light Truck	Fel-Pro 8168PT Victor 3824	N/A	HSFO49
4.0ℓ (244) V6	90-00	Light Truck (Explorer) (OHV) (VIN X Only)	Fel-Pro 9724PT-2, 9725PT-2 Victor 5887,5888	New 2.890-2.895" Min 2.880"	HSFO40L HSFO40R
4.0ℓ (245) V6	97-11	Mustang, Ranger, Explorer (SOHC) (Vin E)	Fel-Pro 26300, 26301PT Victor 54196,54195	New 4.864" Min N/A	HSFO40BL HSFO40BR
4.1ℓ (250) L6	69-80	Passenger Car	Fel-Pro 7916 Victor 3910	N/A	HSFO200
4.1ℓ (255) V8	49-53	Flat Head	Fel-Pro 7525-7526 Victor 1084,1085	N/A	HSFO239-7525 HSFO239-7526
4.2ℓ (256) V6	97-08	Light Truck (OHV)	Fel-Pro 9250,9253 Victor 54176,54175	N/A	HSFO42 (2)
4.3ℓ (260) V8	62-65	Passenger Car, Light Truck	Fel-Pro 8548PT-2 Victor 3428	N/A	HSFO58A (2)
4.5ℓ (VT275) V6	06-09	Navistar, Maxx Force 5, Ford LCF, International City Star	Fel-Pro N/A Victor N/A	N/A	HSFO45 (2)
4.6ℓ (281) V8	94-08	Passenger Car, Light Truck (SOHC & DOHC)	Fel-Pro 9790PT-2 9792PT-2 Victor 54232/3 54457/8	New 5.310-5.312" Min 5.298"	HSFO46L HSFO46R
4.6ℓ (281) V8	03-04	Mustang, VIN Y (SOHC)	Fel-Pro 26187, 26222PT Victor 54609	New N/A Min N/A	HSFO46AL HSFO46AR
4.6ℓ (281) V8	03-04	Mustang, Lincoln VIN R (SOHC)	Fel-Pro 26188, 26217PT Victor 54609	New N/A Min N/A	HSFO46BL HSFO46BR

**INNOVATIVE MACHINE & SUPPLY - 800 736 1875**

**FORD (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
4.6ℓ (281) V8	06-10	Light Truck (SOHC) (16V Triton) 2 Valve Vin 8	Fel-Pro 26306, 26307PT, Victor 54400, 54401	New 5.310-5.312" Min 5.298"	<b>HSFO54L HSFO54R</b>
4.7ℓ (289) V8	66-69	Passenger Car, Light Truck	Fel-Pro 8548PT-2 Victor 3428	<b>N/A</b>	<b>HSFO58A (2)</b>
4.9ℓ (300) Strght 6	65-97	Light Truck	Fel-Pro 8168PT Victor 3824	New 3.700" Min N/A	<b>HSFO49</b>
5.0ℓ (302) V8	68-01	Passenger Car, Light Truck (Except 1982-85 High Output & 1969-71 Mustang Boss)	Fel-Pro 8548PT-2 Victor 3428	<b>N/A</b>	<b>HSFO58A (2)</b>
5.4ℓ (330) V8	97-12	Passenger Car, Light Truck (SOHC & DOHC) VIN A, X, 6, L	Fel-Pro 9790/2PT-2, Victor 54232/3, 54457/8	New 5.310-5.312" Min 5.298"	<b>HSFO46L HSFO46R</b>
5.4ℓ (330) V8	04-14	Light Truck (SOHC) (16V Triton) 2 Valve Vin 8	Fel-Pro 26306, 26307PT Victor 54400, 54401	New 5.310-5.312" Min 5.298"	<b>HSFO54L HSFO54R</b>
5.8ℓ (351C) V8	70-82	Passenger Car, Light Truck	Fel-Pro 8347PT-1 Victor 3502	<b>N/A</b>	<b>HSFO58 (2)</b>
5.8ℓ (351M) V8	75-82	Passenger Car, Light Truck	Fel-Pro 8347PT-1 Victor 3502	<b>N/A</b>	<b>HSFO58 (2)</b>
5.8ℓ (351W) V8	69-97	Passenger Car, Light Truck	Fel-Pro 8548PT-2 Victor 3428	<b>N/A</b>	<b>HSFO58A (2)</b>
5.8ℓ (352, etc.) V8	58-76	Passenger Car, Light Truck (332, 352, 360, 390, 406, 410, 427, 428)	Fel-Pro 8554 Victor 3389	<b>N/A</b>	<b>HSFO58B (2)</b>
6.0ℓ (363) V8	03-10	Light Truck (Diesel-32V) PowerStroke (Navistar) (Specify 18mm or 20mm dowel pin hole)	Fel-Pro 26374PT (18mm) 26375PT (20mm) Victor 54450(18mm) 54579A (20mm)	New 3.738-3.74" Min 3.738-3.74"	<b>HSFO60D (2)</b>
6.1ℓ (370) V8	79-91	Truck	Fel-Pro 8559PT-1 Victor 3979	<b>N/A</b>	<b>HSFO370 (2)</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## FORD (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
6.4ℓ (391) V8	08-10	Light Truck (Diesel-32V) PowerStroke (Navistar)	Fel-Pro 26565PT Victor 54657	New 3.7400" Min 3.7400"	<b>HSFO64 (2)</b>
6.6ℓ (400) V8	71-82	Passenger Car, Light Truck	Fel-Pro 8347PT-1 Victor 3428	<b>N/A</b>	<b>HSFO58 (2)</b>
6.7ℓ (406) V8	11-16	F-Series (full size pick-up truck) PowerStroke Diesel	Fel-Pro 26661PT, 26662PT Victor 54887, 54886	New 3.7400" Min 3.7400"	<b>HSFO67L HSFO67R</b>
6.8ℓ (415) V10	97-17	F250, F350, E350, Excursion	Fel-Pro 26304, 26305PT Victor 54242,54243	New 5.310-5.312" Min N/A	<b>HSFO68L HSFO68R</b>
7.0ℓ (429) V8	69-73	Passenger Car, Light Truck	Fel-Pro 8265PT-1 Victor 3978	<b>N/A</b>	<b>HSFO460 (2)</b>
7.5ℓ (460) V8	72-96	Passenger Car, Light Truck	Fel-Pro 8265PT-1, 8558PT-1 Victor 3978	<b>N/A</b>	<b>HSFO460 (2)</b>
6.9ℓ (Navistar) V8	83-87	Light Truck (DIESEL)	Fel-Pro 8891PT-1 Victor 3789G	New 4.795-4.805" Min 4.795"	<b>HSFO69D (2)</b>
7.3ℓ (Navistar) V8	88-94	Light Truck (Turbo included) (DIESEL)	Fel-Pro 9047PT Victor 5869G	New 4.795-4.805" Min 4.795"	<b>HSFO73D (2)</b>
7.3ℓ (Navistar) V8	95-03	Light Truck (Turbo) (DIESEL)	Fel-Pro 9239PT Victor 54204	New 5.095-5.105" Min 5.095"	<b>HSFO73AD (2)</b>

## FORD TRACTOR *(copper gaskets available for all listings)*

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (119.7) L4		Tractor (GAS) (2N, 8N, 9N)	Fel-Pro 7277B Victor	New N/A Min N/A	<b>HSFO8N</b>
2.4ℓ (153) L4		Tractor (GAS)	Fel-Pro 8445B Victor	New N/A Min N/A	<b>HSFO175-T</b>

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### FORD TRACTOR (con't) *(copper gaskets available for all listings)*

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.8ℓ (172) L4		Tractor (GAS)	Fel-Pro 7761B Victor	New N/A Min N/A	<b>HSFO172-T</b>
2.9ℓ (175) L4		Tractor (GAS/DIESEL)	Fel-Pro 8445B Victor	New N/A Min N/A	<b>HSFO175-T</b>
3.0ℓ (183) L4		Tractor (GAS/DIESEL)	Fel-Pro 8445B Victor	New N/A Min N/A	<b>HSFO175-T</b>
3.2ℓ (192) L4		Tractor (GAS/DIESEL)	Fel-Pro 7761B Victor	New N/A Min N/A	<b>HSFO172-T</b>
3.8ℓ (233) L4		Tractor (DIESEL)	Fel-Pro 8447B Victor	New N/A Min N/A	<b>HSFO233D</b>
4.2ℓ (256) L4		Tractor (GAS/DIESEL)	Fel-Pro 8619B Victor	New N/A Min N/A	<b>HSFO256T</b>
4.4ℓ (268) L4		Tractor (GAS/DIESEL)	Fel-Pro 8619B Victor	New N/A Min N/A	<b>HSFO256T</b>
6.6ℓ (401) L6		Industrial, M/D & H/D Truck (DIESEL)	Fel-Pro 9871PT Victor	New Min	<b>HSFO401D-T</b>
7.8ℓ (474) L6		Industrial, M/D & H/D Truck (DIESEL)	Fel-Pro 9871PT Victor	New Min	<b>HSFO401D-T</b>

### GENERAL MOTORS

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.0ℓ (G10) 3 Cyl.	85-88	Sprint, Sprint Turbo (SOHC) ( <i>Suzuki Engine</i> )	Fel-Pro 9435 Victor 5704	New 3.750-3.755" Min N/A	<b>HSSZ10A</b>
1.2ℓ ( ) 4 Cyl.	13-15	Chevy Spark	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSGM12</b>

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## GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.4ℓ (83) 4 Cyl.	11-16	Cruze, Sonic, Trax, Volt Turbo (DOHC)	Fel-Pro 26540PT Victor 54898	New N/A Min N/A	<b>HSGM14</b>
1.5ℓ (4XC1) 4 Cyl.	85-88	Spectrum (SOHC)	Fel-Pro 9436PT Victor 5705	New 3.390" Min 3.370"	<b>HSIS15</b>
1.6ℓ (4ALC) 4 Cyl.	85-88	Nova (VIN 4)	Fel-Pro 9410PT Victor 3756	New 3.395-3.400" Min 3.385"	<b>HSTO16</b>
1.6ℓ (97) 4 Cyl.	89-02	Tracker, Sunrunner (Suzuki Engine) (SOHC 8V & 16V) (VIN 6)	Fel-Pro 9683PT-1 Victor 5866	New 3.750" Min 3.740"	<b>HSSZ16</b>
1.6ℓ (4AGE) 4 Cyl.	88	Nova (DOHC) (VIN 5)	Fel-Pro 9661PT Victor 5797	New 4.568" Min 4.555"	<b>HSTO16B</b>
1.6ℓ (98) 4 Cyl.	88-93	Pontiac (Daewoo Eng) (OHC)	Fel-Pro 9553PT Victor 5867	New 3.780" Min 3.770"	<b>HSGM16</b>
1.6ℓ (98) 4 Cyl.	04-05	Aveo, Wave (DOHC)	Fel-Pro 26378PT Victor 54700	New 5.280-5.289" Min 5.280"	<b>HSGM16A</b>
1.6ℓ (98) 4 Cyl.	06-08	Aveo, Aveo 5, Wave (DOHC)	Fel-Pro 26379PT Victor 54701	New 5.280-5.289" Min 5.280"	<b>HSGM16B</b>
1.6ℓ (L91) 4 Cyl.	09-11	Aveo, Aveo 5, G3, Wave (DOHC)	Fel-Pro 26516PT Victor 54702	New 5.280-5.289" Min 5.280"	<b>HSGM16C</b>
1.8ℓ (L91) 4 Cyl.	11-13	Cruze, Sonic (DOHC)	Fel-Pro 26516PT Victor 54702	New 5.280-5.289" Min 5.280"	<b>HSGM16C</b>
1.8ℓ (4FB1) 4 Cyl.	81-85	LUV, I-Mark (DIESEL)	Fel-Pro N/A Victor N/A	New 4.055" Min 4.047"	<b>HSIS18-D</b>
1.8ℓ (G180Z) 4 Cyl.	76-82	LUV (SOHC)	Fel-Pro 8621PT1 Victor 3553	New 3.672-3.678" Min 3.656"	<b>HSIS19</b>

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## GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.8ℓ (112) 4 Cyl.	82-86	Pontiac (Brazilian) Engine (OHC)	Fel-Pro 9014PT Victor 3721	New 3.780-3.790" Min 3.765"	<b>HSGM20</b>
1.9ℓ (G200Z) 4 Cyl.	82-85	S10 (SOHC)	Fel-Pro 8621PT1 Victor 3553	New 3.672-3.678" Min 3.656"	<b>HSIS19</b>
2.0ℓ (121) 4 Cyl.	87-89	Chevrolet Engine (OHV)	Fel-Pro 9469PT Victor 5871G	New 5.315-5.320" Min 5.305"	<b>HSGM20A</b>
2.0ℓ (122) 4 Cyl.	07-10	Chevy, Pontiac, Saturn Passenger Cars Ecotech, DOHC (VIN X)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSGM20B</b>
2.0ℓ (122) 4 Cyl.	87-94	Pontiac (Brazilian) Engine (OHC) (VIN H, K, M)	Fel-Pro 9014PT Victor 5779	New 3.780-3.785" Min 3.765"	<b>HSGM20</b>
2.0ℓ (J20A) 4 Cyl.	99-03	Tracker (DOHC 16V)	Fel-Pro 26278PT Victor 54499	New 5.274-5.276 Min 5.271"	<b>HSSZ18</b>
2.0ℓ (122) 4 Cyl.	04-07	Optra (DOHC 16V)	Fel-Pro 26317PT Victor 54395A	New 5.315-5.330" Min 5.305"	<b>HSIS22</b>
2.2ℓ (134) 4 Cyl.	90-97	Chevrolet Engine (OHV) (VIN 4)	Fel-Pro 9469PT Victor 5871G	New 5.315-5.320" Min 5.305"	<b>HSGM20A</b>
2.2ℓ (134) 4 Cyl.	94-03	S-10 Pick-Up & Passenger Car (OHV)	Fel-Pro 9170PT-1 Victor 54051	New 5.315-5.330" Min 5.305"	<b>HSGM22</b>
2.2ℓ (134.1) 4 Cyl.	00-08	Chevrolet, Oldsmobile, Pontiac, Saturn, Lt Trks & Pass Cars (DOHC) (ECOTEC) (Opel Engine)	Fel-Pro 26223PT Victor 54440	New 5.080-5.085" Min N/A	<b>HSGM22A</b>
2.2ℓ (134.1) 4 Cyl.	09-11	Chevrolet, Oldsmobile, Pontiac, Saturn, Lt Trks & Pass Cars (DOHC) (ECOTEC) (Opel Engine)	Fel-Pro 26466PT Victor 54563	New 5.080-5.085" Min N/A	<b>HSGM24B</b>
2.3ℓ (138) 4 Cyl.	88-95	Quad 4 (DOHC: VIN A, D) (SOHC: VIN 3)	Fel-Pro 9515PT Victor 5870	New 2.915" Min 2.905"	<b>HSGM23</b>



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**GENERAL MOTORS (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.4ℓ (145) 4 Cyl.	06-16	Chevrolet, Buick, Pontiac, Saturn, GMC; Lt Trks & Pass Cars (DOHC) (ECOTEC)	Fel-Pro 26466PT, 26517PT Victor 54563	New 5.080-5.085" Min N/A	<b>HSGM24B</b>
2.4ℓ (146) 4 Cyl	96-99	Cavalier, Malibu, Quad 4 w/ EGR (DOHC: Vin 4, T)	Fel-Pro 9115PT Victor 5929	New 2.275" Min .010" max. Remove	<b>HSGM24</b>
2.4ℓ (146) 4 Cyl	99-02	Cavalier, Malibu, Quad 4 w/o EGR (DOHC: Vin 4, T)	Fel-Pro 9059PT Victor 54236	New 2.275" Min .010" max. remove	<b>HSGM24A</b>
2.4ℓ (2AZFE) 4 Cyl.	09-10	(Pontiac) Vibe (DOHC 16V)	Fel-Pro 26323PT Victor 54409	New 5.090" Min N/A	<b>HSTO24C</b>
2.5ℓ (151) 4 Cyl.	85-91	<i>Buick, Oldsmobile, Pontiac</i> (VIN U)	Fel-Pro 9406PT Victor N/A	New 3.240-3.250" Min 3.230"	<b>HSGM25</b>
2.5ℓ (151) 4 Cyl.	79-93	<i>Buick, Chevrolet, Oldsmobile, Pontiac</i> (VIN R)	Fel-Pro 9405PT1 Victor 5701	New 3.250" Min N/A	<b>HSGM25A</b>
2.5ℓ (153) 4 Cyl.		Marine Applications	Fel-Pro 17000 Victor 1179Vm	New Min	<b>HSGM30-MARINE</b>
2.8ℓ (173) V6	80-93	Passenger Cars, Light Truck (VIN L, S, W, X, Z, 1, 7)	Fel-Pro 8699PT-2, 9471PT Victor 3549, 3793	New 3.5805-3.5950" Min 3.575"	<b>HSGM28 (2)</b>
2.9ℓ (178) V4	07-12	GMC Canyon, Chevy Colorado (DOHC)	Fel-Pro 26389PT Victor N/A	New N/A Min N/A	<b>HSGM29</b>
3.0ℓ (181) 4 Cyl.		Marine Applications	Fel-Pro 17000 Victor 1179Vm	New Min	<b>HSGM30-MARINE</b>
3.0ℓ (181) V6	00-05	Saturn L300, LW2, LW300 (DOHC 24V) (Vin R)	Fel-Pro 26173PT Victor 54636	New 5.272-5.280" Min 5.272"	<b>HSGM30-OPEL</b>
3.1ℓ (189) V6	88-05	Passenger Cars, Light Truck (VIN M, T, W, J)	Fel-Pro 8699PT-2, 9471PT, 9957PT Victor 3549, 3793, 54059	New 3.5805-3.5950" Min 3.575"	<b>HSGM28 (2)</b>

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**GENERAL MOTORS (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
194 L6	62-67	<i>Chevrolet Engine</i>	Fel-Pro 8006PT Victor 3829	N/A	HSGM292
3.4ℓ (207) V6	91-97	LQ1 Eng./Passenger Cars (VIN X) (DOHC 16V)	Fel-Pro 9113PT Victor 4957	New 3.457-3.460" Min 3.447"	HSGM34 (2)
3.4ℓ (207) V6	96-09	LA1 Eng./Passenger Cars (VIN E) (OHV 12V) (96-99 VAN)	Fel-Pro 9071PT Victor 4956	New 3.585-3.595" Min 3.575"	HSGM34A (2)
3.4ℓ (207) V6	93-95	Camaro, Firebird	Fel-Pro 9105PT Victor 4955	New 3.425-3.430" Min N/A	HSGM34B (2)
3.5ℓ (213) V6	06-11	Buick, Chevrolet, Pontiac, Saturn Pass Cars	Fel-Pro 26324, 26325PT Victor 54648,54649	New N/A Min N/A	HSGM35A (2)
3.5ℓ (211) L5	04-06	Chevrolet Colorado, GMC Canyon, H3 (Hummer)	Fel-Pro 26336PT Victor 54736	New N/A Min N/A	HSGM35B
3.5ℓ (211,213,214) V6	04-07	Buick, Chevrolet, Pontiac	Fel-Pro 26314PT Victor 54647	New N/A Min N/A	HSGM35C (2)
215 L6	64-65	<i>Chevrolet Engine</i>	Fel-Pro 8006PT Victor 3829	N/A	HSGM292
3.5ℓ (216) 6 Cyl.	37-53		Fel-Pro 7276B Victor	New N/A Min N/A	HSGM216
3.7ℓ (223) L5	07-12	Colorado, Hummer H3, H3T (07-10) (DOHC)	Fel-Pro 26390PT Victor N/A	New N/A Min N/A	HSGM37
230 L6	63-70	<i>Chevrolet Engine</i>	Fel-Pro 8006PT Victor 3829	N/A	HSGM292
3.8ℓ (231) V6	90-95	<i>Buick Engine (Vin L)</i>	Fel-Pro 9644PT Victor 5768	New 0.054-0.066" Min 0.044" Measured from machined pad to deck	HSGM38A (2)
3.8ℓ (231) V6	95-09	<i>Buick Engine (Vin K)</i>	Fel-Pro 9917, 9918 Victor 5912, 5913	New 0.054-0.066" Min 0.044" Measured from machined pad to deck	HSGM38B (2)

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## GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.8ℓ (235) 6 Cyl	53-63	Passenger Cars, Light Truck	Fel-Pro 7619 C Victor N/A	New N/A Min N/A	<b>HSGM235</b>
3.9ℓ (237) V6	06-11	Passenger Cars	Fel-Pro 26324, 26325PT Victor 54648,54649	New N/A Min N/A	<b>HSGM35A (2)</b>
4.1ℓ (248) 6 Cyl	53-55	Light Truck (OHV)	Fel-Pro 7391S Victor N/A	New Min	<b>HSGM248</b>
250 L6	62-89	<i>Chevrolet Engine</i>	Fel-Pro 8501PT-1, 8006PT Victor 3829	<b>N/A</b>	<b>HSGM292</b>
4.2ℓ (256) L6	02-09	Light Truck (DOHC-24V): Trailblazer (LL8)	Fel-Pro 26214PT Victor 54385	New N/A Min N/A	<b>HSGM42</b>
4.3ℓ (262) V6	85-13	<i>Chevrolet Engine</i>	Fel-Pro 9354PT-1 Victor 5744	New 3.065" Min N/A	<b>HSGM43 (2)</b>
4.3ℓ (262) V6	85-93	<i>Chevrolet Engine</i> (w/ steam holes)	Fel-Pro 9354PT-1 Victor 5744	New 3.065" Min N/A	<b>HSGM43A (2)</b>
265 V8	55-57	<i>Chevrolet Engine</i>	Fel-Pro 7733PT-2 Victor 5746	<b>N/A</b>	<b>HSGM57 (2)</b>
283 V8	57-67	<i>Chevrolet Engine</i>	Fel-Pro 7733PT-2 Victor 5746	<b>N/A</b>	<b>HSGM57 (2)</b>
292 L6	63-89	<i>Chevrolet Engine</i>	Fel-Pro 8501PT-1, 8006PT Victor 3829	<b>N/A</b>	<b>HSGM292</b>
4.8ℓ (294) V8	02-15	<i>Chevrolet Engine</i> Vin T	Fel-Pro 26191, 26190PT Victor 54441, 54442	New 4.750" Min 4.732"	<b>HSGM53 (2)</b>
4.9ℓ (300) V8	64-67	<i>Buick</i>	Fel-Pro 8172PT Victor 3364	<b>N/A</b>	<b>HSGM300(2)</b>
302 V8	67-69	<i>Chevrolet Engine</i>	Fel-Pro 7733PT-2 Victor 5746	<b>N/A</b>	<b>HSGM57 (2)</b>

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Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
5.0ℓ (305) V8	75-02	<i>Chevrolet Engine</i>	Fel-Pro 8510PT Victor 5745	N/A	HSGM50 (2)
5.0ℓ (307) V8	68-73	<i>Chevrolet Engine</i>	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
5.3ℓ (325) V8	02-14	<i>Chevrolet Engine</i> Vin T Hummer (08-10)	Fel-Pro 26191, 26190PT Victor 54441, 54442	New 4.732" Min N/A	HSGM53 (2)
5.3ℓ (327) V8	62-69	<i>Chevrolet Engine</i>	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
5.6ℓ (340) V8	64-67	<i>Buick</i>	Fel-Pro 8172PT Victor 3364	N/A	HSGM300(2)
5.7ℓ (350) V8	02-	<i>Chevrolet Engine</i> Vin T	Fel-Pro 26190PT Victor 54442	New 4.732" Min N/A	HSGM53 (2)
5.7ℓ (348) V8	58-65	<i>Big Block</i>	Fel-Pro 8007PT Victor N/A	N/A	HSGM409
5.7ℓ (350) V8	67-02	<i>Chevrolet Engine</i> (Except VIN B, H, J, P, R, X)	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
5.7ℓ (350) V8	68-76	<i>Oldsmobile Engine (also 330, 400, 425, 455 Eng.)</i>	Fel-Pro 8171PT-1 Victor 3436	N/A	HSGM57O (2)
5.7ℓ (346) V8	97-01	<i>Chevrolet Engine</i> LS1	Fel-Pro 9284PT Victor 54442	New 4.755" Min 4.732"	HSGM57B (2)
5.7ℓ (350) V8	92-97	<i>Chevrolet Engine</i> LT1	Fel-Pro 9966PT Victor 5922	N/A	HSGM57C (2)
6.0ℓ (364) V8	01-16	<i>Chevrolet Engine</i> Vin U, Hummer (03-07)	Fel-Pro 26192 PT Victor 54445	New 4.732" Min N/A	HSGM60 (2)

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**GENERAL MOTORS (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
6.2ℓ (376) V8	08-15	<i>Chevrolet Engine</i> Vin U, Hummer (08-09)	Fel-Pro 26192 PT Victor 54445	New 4.732" Min N/A	<b>HSGM60 (2)</b>
6.5ℓ V8	92-02	<i>Light Truck (DIESEL)</i>	Fel-Pro 9701PT Victor 4021	New 3.853-3.863" Min 3.853"	<b>HSGM65D (2)</b>
6.5ℓ (396) V8	65-70	<i>Chevrolet Engine</i>	Fel-Pro 8180PT-2 Victor 3805VC	<b>N/A</b>	<b>HSGM74 (2)</b>
6.6ℓ (400) V8	70-80	<i>Chevrolet Engine</i>	Fel-Pro 8364PT Victor 3432SG	<b>N/A</b>	<b>HSGM66 (2)</b>
6.6ℓ (403) V8	01-10	<i>DuraMax Engine (Turbo Diesel) (OHV 32V), Hummer (06)</i>	Fel-Pro 26401, 26402PT Victor 54580, 54584	<b>N/A</b>	<b>HSGM66-D (2)</b>
6.6ℓ (400) V8	58-79	<i>Pontiac Engine</i> (326, 350, 370, 389, 400, 421, 428, 455)	Fel-Pro 8518PT Victor 3494VC	<b>N/A</b>	<b>HSGM400-P (2)</b>
6.6ℓ (401) V8	59-66	<i>Buick Engine</i>	Fel-Pro 7922PT Victor 1191	<b>N/A</b>	<b>HSGM401-B (2)</b>
6.6ℓ (402) V8	70-72	<i>Chevrolet Engine</i>	Fel-Pro 8180PT-2 Victor 3805VC	<b>N/A</b>	<b>HSGM74 (2)</b>
5.7ℓ (409) V8	58-65	<i>Big Block</i>	Fel-Pro 8007PT Victor N/A	<b>N/A</b>	<b>HSGM409</b>
7.0ℓ (427) V8	66-74	<i>Chevrolet Engine</i>	Fel-Pro 8180PT-2 Victor 3805VC	<b>N/A</b>	<b>HSGM74 (2)</b>
7.4ℓ (454) V8	70-95	<i>Chevrolet Engine</i>	Fel-Pro 8180PT2, 8523PT-1 Victor 3805VC, 4878	<b>N/A</b>	<b>HSGM74 (2)</b>
7.4ℓ (454) V8	96-00	<i>Chevrolet Engine, Suburban, Light Trucks</i>	Fel-Pro 9502PT Victor 4878	<b>N/A</b>	<b>HSGM74A(2)</b>
7.4ℓ (454) V8	70-95	<i>Chevrolet Engine</i>	Fel-Pro 8180PT2, 8523PT-1 Victo 3902,4878	<b>N/A</b>	<b>HSGM74-1017</b>

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Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
7.4ℓ (454) Cyl.		Marine Applications	Fel-Pro Victor	N/A	HSGM454-MARINE
7.5ℓ (455) V8	70-76	Buick Engine (400, 430, 455)	Fel-Pro 8494PT Victor 3492	N/A	HSGM455-B (2)
8.1ℓ (496) V8	01-07	Vortec OHV	Fel-Pro 26168, 26169PT Victor 54348, 54349	N/A	HSGM81 (2)
8.2ℓ (500) V8	79-91	Detroit Engine (DIESEL)	Fel-Pro 8708PT Victor N/A	N/A	HSGM82D

### GEO

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.0ℓ (61) 3 Cyl.	89-97	Metro (Suzuki Engine) (VIN 2, 6)	Fel-Pro 9651PT Victor N/A	New 3.750-3.755" Min N/A	HSSZ10
1.0ℓ (61) 3 Cyl.	86-88	Metro (Suzuki Engine)	Fel-Pro 9435 Victor 5704	New 4.920-4.925" Min 4.910"	HSSZ10A
1.3ℓ (79) 4 Cyl.	92-01	Metro (Suzuki Engine) (SOHC) (VIN 9)	Fel-Pro 9623PT Victor 5759	New 3.750-3.755" Min 3.740"	HSSZ13
1.5ℓ (4XC1) 4 Cyl.	89-92	Spectrum (SOHC)	Fel-Pro 9436PT Victor 5705	New 3.390" Min 3.370"	HSIS15
1.6ℓ (97) 4 Cyl.	89-97	Tracker (Suzuki Engine) (SOHC 8V & 16V) (VIN 6)	Fel-Pro 9683PT-1 Victor 5866	New 3.750" Min 3.740"	HSSZ16
1.6ℓ (98) 4 Cyl.	89-92	Prizm (Toyota Engine) (VIN 6)	Fel-Pro 8188PT Victor 4899	New 4.568-4.570" Min 4.560"	HSTO16A
1.6ℓ (98) 4 Cyl.	90-92	Prizm GSI (Toyota Engine) (VIN 5)	Fel-Pro 9661PT Victor 5797	New 4.568" Min 4.555"	HSTO16B

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## GEO (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6ℓ (98) 4 Cyl.	90-93	Storm (SOHC) (Isuzu Engine) (VIN 6)	Fel-Pro 9684PT Victor 5910	New 3.390" Min 3.374"	<b>HSIS16</b>
1.6ℓ (98) 4 Cyl.	90-91	Storm (DOHC) (Isuzu Engine) (VIN 5)	Fel-Pro 9685PT-1 Victor N/A	New 5.114-5.120" Min 5.098"	<b>HSIS16A</b>
1.6ℓ (4AFE) 4 Cyl.	93-97	Prizm (DOHC 16V)	Fel-Pro 9604PT Victor 54368	New 4.570" Min 4.560"	<b>HSTO16C</b>
1.8ℓ (7AFE) 4 Cyl.	93-97	Prizm (DOHC 16V)	Fel-Pro 9955PT Victor 54354	New 4.567" Min 4.557"	<b>HSTO18</b>
1.8ℓ (4XF1) 4 Cyl.	92-93	Storm GSI (DOHC 16V)	Fel-Pro 9156PT Victor N/A	New 5.114" Min 5.098"	<b>HSIS18</b>
2.0ℓ (122) 4 Cyl.	89-90	Lemans (OHC)	Fel-Pro 9014PT Victor 5779	New 3.780-3.785" Min 3.765"	<b>HSGM20</b>

## HERCULES

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.7ℓ (226) 4 Cyl.		D2300 Heavy Duty Truck	Fel-Pro 8557SB Victor	New Min	<b>HSHR27</b>
5.6ℓ (339) 6 Cyl.		G3400 Heavy Duty Truck	Fel-Pro 7343S Victor	New Min	<b>HSHR39</b>

## HONDA

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.0ℓ (ECA1) 3 Cyl.	00-06	Insight (Hybrid)	Fel-Pro 26638PT Victor 54522	New 4.722-4.726" Min 4.716"	<b>HSHO10</b>
1.3ℓ (LDA) 4 Cyl.	03-05	Civic (Hybrid)	Fel-Pro 26528PT Victor 54532	New 4.720-4.728" Min N/A	<b>HSHO13</b>
1.3ℓ (EV) 4 Cyl.	84-87	Civic, CRX, Civic Hatchback (EV1, EV2, D13A2, D15A1)	Fel-Pro 9219PT-1 Victor 3782	New 3.565-3.570" Min 3.550"	<b>HSHO15</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## HONDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.5ℓ (EM) 4 Cyl.	77-83	Civic (CVCC)	Fel-Pro 21214PT-1 Victor 3714	New 3.565-3.570" Min 3.550"	<b>HSHO15B</b>
1.5ℓ (EW) 4 Cyl.	84-87	CRX, CRX Si/DX/HF, Civic, Civic Si (EW1, EW2, EW3, EW4, D15A2, D15A3)	Fel-Pro 9219PT-1 Victor 3782	EW1 New 3.542" Min 3.535" EW3,4 New 3.570" Min 3.550" D15A2,3 New 3.540" Min 3.520"	<b>HSHO15</b>
1.5ℓ (D15) 4 Cyl.	88-95	CRX DX/HF, Civic, Civic CX (D15B1, D15B2, D15B6, D15B7, D15B8)	Fel-Pro 9123PT Victor 5731	New 3.738-3.742" Min 3.730"	<b>HSHO15A</b>
1.5ℓ (D15Z) 4 Cyl.	92-95	Civic VX (VTEC) (SOHC 16V)	Fel-Pro N/A Victor 54234	New 3.659-3.663" Min 3.651"	<b>HSHO15C</b>
1.6ℓ (D16A6) 4 Cyl.	88-91	Civic Si, Civic EX, CRX Si	Fel-Pro 9123PT Victor 5731	New 3.738-3.742" Min 3.730"	<b>HSHO15A</b>
1.6ℓ (B16A) 4 Cyl.	94-00	Civic, Del Sol (VTEC) (DOHC 16V)	Fel-Pro 9274PT Victor 54254	New 5.589-5.593" Min 5.581"	<b>HSHO16</b>
1.6ℓ (D16Z) 4 Cyl.	92-95	Accord, Del Sol (VTEC included) (SOHC 16V)	Fel-Pro 9915PT Victor 54234	New 3.659-3.663" Min 3.651"	<b>HSHO16A</b>
1.6ℓ (D16Y) 4 Cyl.	96-00	Civic, Del Sol (VTEC included) (SOHC 16V)	Fel-Pro 9915PT Victor 54234	New 3.659-3.663" Min 3.651"	<b>HSHO16A</b>
1.7ℓ (D17) 4 Cyl.	01-05	Civic, Del Sol (VTEC included) (SOHC 16V)	Fel-Pro 26236PT Victor 54459	New 3.659-3.663" Min 3.651"	<b>HSHO17</b>
1.8ℓ (ES, ET) 4 Cyl.	83-85	Prelude, Accord (SOHC 12V) (ES1, ES2, ES3, ET1, ET2)	Fel-Pro 9233PT, 9289PT Victor N/A	New 3.565-3.575" Min 3.550"	<b>HSHO18</b>
1.8ℓ (ET/A18) 4 Cyl.	86-87	Prelude (SOHC 12V) (ET2, A18A1, A18A2)	Fel-Pro 9440PT Victor N/A	New 3.565-3.575" Min 3.550"	<b>HSHO18A</b>
1.8ℓ (R18A) 4 Cyl.	06-15	Civic (SOHC 12V)	Fel-Pro 26397PT Victor 54528	New 4.526-4.530" Min N/A	<b>HSHO18B</b>
1.8ℓ (1751) 4 Cyl.	79-81	Accord, Prelude (SOHC 12V)	Fel-Pro N/A Victor N/A	New 3.565-3.570" Min 3.550"	<b>HSHO18C</b>



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## HONDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (A20/BS) 4 Cyl.	85-89	Accord, Prelude (A20A1, A20A2, A20A3, A20A4, BS, BT)	Fel-Pro 9429,PT Victor 5735	New 3.543" Min 3.535"	<b>HSHO20</b>
2.0ℓ (B20) 4 Cyl.	88-91	Prelude, Prelude SE/Si (B20A3, B20A5)	Fel-Pro 9124PT-1 Victor 5823	B20A3New 3.543" Min 3.5354" B20A5New 5.220" Min 5.192"	<b>HSHO20A</b>
2.0ℓ (B20B) 4 Cyl.	97-01	CR-V (DOHC 16V) (B20B, B20Z)	Fel-Pro 26159 Victor N/A	New 5.195-5.199" Min 5.187"	<b>HSHO20B</b>
2.0ℓ (K20A) 4 Cyl.	02-05	Civic (DOHC 16V) (K20A3)	Fel-Pro 26403PT Victor 54521	New 4.092-4.098" Min 4.090"	<b>HSHO20C</b>
2.0ℓ (F20C1) 4 Cyl.	00-03	S2000	Fel-Pro 26601PT Victor 54520	New 4.132- 4.136" Min 4.122"	<b>HSHO20D</b>
2.05ℓ (B21A1) 4 Cyl.	90-91	Prelude Si	Fel-Pro 9124PT-2 Victor 5881	New 5.201" Min 5.193"	<b>HSHO21</b>
2.2ℓ (F22C1) 4 Cyl.	04-09	S2000	Fel-Pro 26601PT Victor 54520	New 4.132- 4.136" Min 4.122"	<b>HSHO20D</b>
2.2ℓ (F22A) 4 Cyl.	90-96	Accord (DX,EX,LX,SE), Prelude (S)	Fel-Pro 9851PT Victor 5824	New 3.9291-3.9389" Min 3.919"	<b>HSHO22</b>
2.2ℓ (H22A4) 4 Cyl.	97-01	Prelude SI (VTEC) (DOHC 16V)	Fel-Pro 26411PT Victor 54241	New 5.785-5.789" Min N/A	<b>HSHO22A</b>
2.2ℓ (F18B, F20B, F22B) 4 Cyl.	94-97	Accord DX,EX,LX,SE, Odyssey (VTEC) (SOHC 16V)	Fel-Pro 9958PT1 Victor 54216	New 3.935-3.939" Min 3.932"	<b>HSHO23A</b>
2.3ℓ (H23A1) 4 Cyl.	92-96	Prelude SI (DOHC 16V)	Fel-Pro 9919PT Victor 5897	New 5.195-5.199" Min 5.190"	<b>HSHO23</b>
2.3ℓ (F23A) 4 Cyl.	98-02	Accord DX,EX,LX,SE, Odyssey (VTEC) (SOHC 16V)	Fel-Pro 9958PT1 Victor 54216	New 3.935-3.939" Min 3.932"	<b>HSHO23A</b>

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## HONDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.4ℓ (K24A1/4) 4 Cyl.	02-11	Accord (03-07), Element (03-11), CR-V (02-09) (DOHC 16V)	Fel-Pro 26243, 26244, 26337PT Victor 54523	New 4.093-4.096" Min 4.087"	<b>HSHO24</b>
2.4ℓ (K24Z3) 4 Cyl.	08-13	Accord, Civic, CR-V(10-13), Crosstour (DOHC 16V)	Fel-Pro 26435PT Victor 54772	New 4.093-4.096" Min 4.086"	<b>HSHO24A</b>
2.5ℓ (B20) 4 Cyl.	96-98	CR-V (DOHC 16V) (G25A4)	Fel-Pro N/A Victor N/A	New 5.195-5.199" Min 5.187"	<b>HSHO25</b>
2.6ℓ (4ZE1) 4 Cyl.	94-96	Passport	Fel-Pro 8215PT Victor 5743	New 3.667-3.671" Min 3.651"	<b>HSIS26</b>
2.7ℓ (C27A) V6	95-97	Accord (SOHC 24V)	Fel-Pro 9531PT Victor 5773	New 4.1260" Min 4.1181"	<b>HSHO27 (2)</b>
3.0ℓ (J30A1) V6	98-02	Accord (SOHC 24V)	Fel-Pro 26196PT Victor 54217	New 4.762-4.766" Min N/A	<b>HSHO30 (2)</b>
3.0ℓ (J30A4) V6	03-07	Accord (SOHC 24V)	Fel-Pro 26334PT Victor 54527	New 4.766-4.782" Min N/A	<b>HSHO30A (2)</b>
3.0ℓ (J35A1) V6	98-02	Accord (SOHC 24V)	Fel-Pro 26260PT Victor 54524	New 4.762-4.766" Min 4.758"	<b>HSHO35 (2)</b>
3.2ℓ (6VD1) V6	94-97	Passport (SOHC 24V)	Fel-Pro 9174PT Victor 54038	New 4.126" Min 4.118"	<b>HSIS32 (2)</b>
3.2ℓ (6VD1) V6	98-02	Passport (DOHC 24V)	Fel-Pro 9256, 9254PT Victor N/A	New 5.413" Min N/A	<b>HSIS32A (2)</b>
3.5ℓ (J35A1) V6	99-04	Odyssey, Pilot (SOHC 24V)	Fel-Pro 26260PT Victor 54524	New 4.762-4.766" Min 4.758"	<b>HSHO35 (2)</b>
3.5ℓ (J35A9) V6	05-10	Odyssey, Pilot, Ridgeline (SOHC)	Fel-Pro 26265PT Victor 54578	New 4.762-4.766" Min 4.758"	<b>HSHO35A(2)</b>
3.5ℓ (J35A7,Z2) V6	08-17	Accord, Crosstour, Odyssey, Pilot, Ridgeline (SOHC)	Fel-Pro 26509/10PT Victor 54755,54756	New 4.762-4.766" Min 4.758"	<b>HSHO35B(2)</b>

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## HYUNDAI

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.5ℓ (4G15) 4 Cyl.	86-94	Excel, Scoupe (SOHC 8V) (4G15, G15B, G4DJ)	Fel-Pro 9352PT Victor 3675	New 4.215-4.220" Min 4.207"	<b>HSMT15</b>
1.5ℓ (G4EK) 4 Cyl.	93-02	Accent, Scoupe Turbo (SOHC 12V)	Fel-Pro 26195,26197 Victor 54404, 54669	New 2.950-2.955" Min N/A	<b>HSHY15</b>
1.6ℓ (G4EC/ED) 4 Cyl.	01-11	Accent (DOHC 16V)	Fel-Pro 26224PT Victor 54484	New 2.496" Min N/A	<b>HSHY16-A</b>
1.6ℓ (G4DR) 4 Cyl.	92-95	Elantra (DOHC 16V)	Fel-Pro 9627PT Victor 5875	New 5.197-5.200" Min 5.188"	<b>HSMT20B</b>
1.8ℓ (G4CN) 4 Cyl.	93-95	Elantra (DOHC 16V)	Fel-Pro 9627PT Victor 5875	New 5.197" Min 5.189"	<b>HSMT20B</b>
1.8ℓ (G4GM) 4 Cyl.	96-98	Elantra, Tiburon (DOHC 16V)	Fel-Pro 26180PT Victor 54391	New 5.1970" Min 5.189"	<b>HSHY18</b>
2.0ℓ (G4GM) 4 Cyl.	97-01	Elantra, Tiburon (DOHC 16V)	Fel-Pro 26180PT Victor 54391	New 5.1970" Min 5.189"	<b>HSHY18</b>
1.8ℓ  4 Cyl.	11-15	Elantra (OE:223112E000) (DOHC)	Fel-Pro 26561PT Victor N/A	New N/A Min N/A	<b>HSHY18A</b>
2.0ℓ  4 Cyl.	11-15	Elantra (Not 2013) (OE:223112E000) (DOHC)	Fel-Pro 26561PT Victor N/A	New N/A Min N/A	<b>HSHY18A</b>
1.8ℓ  4 Cyl.	16-	Elantra (OE:22311-2E100)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSHY18B</b>
2.0ℓ  4 Cyl.	16-	Elantra (OE:22311-2E100)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSHY18B</b>
2.0ℓ (122) 4 Cyl.	10-13	Genesis Coupe (DOHC) Turbo	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSHY20B</b>

## INNOVATIVE MACHINE & SUPPLY - 800 736 1875

### HYUNDAIA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (G4CP) 4 Cyl.	92-98	Sonata (DOHC 16V)	Fel-Pro 9627PT Victor 5875	New 5.197" Min 5.189"	<b>HSMT20B</b>
2.0ℓ (G4GF) 4 Cyl.	97-12	Elantra, Tiburon, Tuscon (DOHC 16V)	Fel-Pro 26180, 26181PT Victor 54391, 54485	New 4.093-4.096" Min N/A	<b>HSHY20</b>
2.4ℓ (G4CS) 4 Cyl.	89-91	Sonata (SOHC 8V)	Fel-Pro 9388PT Victor 5747	New 3.543" Min 3.523"	<b>HSMT24</b>
2.4ℓ (G4JS) 4 Cyl.	99-06	Sonata, Santa Fe (DOHC 16V)	Fel-Pro 26282PT Victor 54483	New 5.197-5.200" Min N/A	<b>HSMT24B</b>
2.4ℓ (G4KC) 4 Cyl.	06-13	Santa Fe, Sonata, Tucson (DOHC 16V)	Fel-Pro 26333PT Victor 54741 Beck/Arnley 035- 2129	New N/A Min N/A	<b>HSHY24A</b>
2.7ℓ (G6BA) V6	01-09	Santa Fe, Sonata (DOHC 24V)	Fel-Pro 26276, 26277PT Victor 54503, 54504	New 5.390" Min N/A	<b>HSHY27L HSHY27R</b>
3.0ℓ (6GAT) V6	90-97	Sonata (SOHC 12V)	Fel-Pro 9112PT Victor 5765	New 3.303-3.311" Min 3.295"	<b>HSMT30 (2)</b>
3.5ℓ (G6CU) V6	02-06	Santa Fe, XG350 (DOHC 24V)	Fel-Pro 26294, 26293 Victor N/A	New 5.200" Min N/A	<b>HSHY35 (2)</b>

### INTERNATIONAL HARVESTER *(copper gaskets available for all listings)*

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ 4 Cyl.		BC144/BC154 BD144/BD154 (Gas/ Diesel)	Fel-Pro 8432PT Victor 3482	New Min	<b>HSIH-C154</b>
2.6ℓ 4 Cyl.		C157/175/200	Fel-Pro 8237PT Victor	New Min	<b>HSIH-C157</b>
3.6ℓ 6 Cyl.		Tractor C221/229/236/ 263/282/301 M-D Truck D264/240/220	Fel-Pro 7799CS Victor	New Min	<b>HSIH-C282</b>
3.9ℓ 4 Cyl.		C239	Fel-Pro 8754PT Victor	New Min	<b>HSIH-C239</b>
4.1ℓ 4 Cyl.		Tractor C248	Fel-Pro 7477S Victor	New Min	<b>HSIH-C248</b>

## INNOVATIVE MACHINE & SUPPLY - 800 736 1875

### INTERNATIONAL HARVESTER (con't) *(copper gaskets available for all listings)*

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
4.6ℓ 4 Cyl.		Tractor C281/264	Fel-Pro 7510S Victor	New Min	<b>HSIH-C281</b>
4.6ℓ 6 Cyl.		Tractor D282, D301 Diesel (M-D Truck also)	Fel-Pro 8334B Victor	New Min	<b>HSIH-D282</b>
5.9ℓ 6 Cyl.		Tractor D361 Diesel	Fel-Pro 8352B Victor	New Min	<b>HSIH-D361</b>
6.6ℓ V8	75-82	M-D Truck MV404	Fel-Pro 8475PT Victor	New Min	<b>HSIH-404</b>
6.7ℓ 6 Cyl.		Tractor D407	Fel-Pro 8431PT Victor	New Min	<b>HSIH-806</b>
6.8ℓ 6 Cyl.		Tractor D414 Engine (Diesel)	Fel-Pro 8367PT Victor	New Min	<b>HSIH-414</b>
7.6ℓ 6 Cyl.		Tractor D466 Engine (Diesel)	Fel-Pro 8367PT Victor	New Min	<b>HSIH-414</b>
9.0ℓ V8		Tractor V549 Engine M-D Truck V461/478/549	Fel-Pro 7786S Victor	New Min	<b>HSIH-90</b>

### INFINITI

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (SR20DE) 4 Cyl.	91-02	G20 (DOHC 16V)	Fel-Pro 9816PT Victor 4917	New 5.390-5.398" Min 5.382"	<b>HSNS20A</b>
3.0ℓ (VG30E) V6	90-92	M30 (SOHC 12V)	Fel-Pro 9571PT Victor 5826	New 4.205-4.220" Min 4.198"	<b>HSNS30 (2)</b>
3.0ℓ (VG30DE) V6	93-97	J30 (DOHC 24V)	Fel-Pro 9703PT Victor 5865	New 5.429-5.433" Min N/A	<b>HSNS30A (2)</b>
3.0ℓ (VQ30DE) V6	95-99	I30 (DOHC 24V)	Fel-Pro 9508,9509PT Victor 54379,54380	New 4.972-4.980" Min 4.964"	<b>HSNS30DL HSNS30DR</b>
3.3ℓ (VG33E) V6	97-00	QX4 (SOHC 12V)	Fel-Pro 26219PT Victor N/A	New 4.205-4.220" Min N/A	<b>HSNS33 (2)</b>

## INNOVATIVE MACHINE & SUPPLY - 800 736 1875

### INFINITI (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.5ℓ (VQ35DE) V6	01-04	G35, I35 (02-04), FX35, QX4 (01-03) (DOHC 24V)	Fel-Pro 26239, 26240, 26241/2PT Victor 54482	New 4.972-4.980" Min N/A	<b>HSNS35L HSNS35R</b>
3.5ℓ (VQ35DE) V6	02-08	G35 (03-07), I35 (02-04), FX35 (03-08) (DOHC 24V)	Fel-Pro 26370, 26371PT Victor 54479, 54480	New 4.972-4.980" Min N/A	<b>HSNS40L HSNS40R</b>
5.6ℓ (VK56DE) V8	04-09	QX56 (DOHC)	Fel-Pro 26372/73PT Victor 54651/52	New 4.972" Min N/A	<b>HSNS56L HSNS56R</b>

### ISUZU

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.5ℓ (4XC1) 4 Cyl.	85-89	I-Mark (SOHC)	Fel-Pro 9436PT Victor 5705	New 3.390" Min 3.370"	<b>HSIS15</b>
1.6ℓ (4XE1) 4 Cyl.	91-93	Stylus (SOHC 12V)	Fel-Pro 9684PT Victor 5910	New 5.114-5.120" Min 5.098"	<b>HSIS16</b>
1.6ℓ (4XE1W) 4 Cyl.	89-92	I-Mark, Impulse, Stylus (DOHC16V)	Fel-Pro 9685PT1 Victor N/A	New 5.114-5.120" Min 5.098"	<b>HSIS16A</b>
1.8ℓ (4FB1) 4 Cyl.	81-85	Gemini (DIESEL)	Fel-Pro N/A Victor N/A	New 4.055" Min 4.047"	<b>HSIS18-D</b>
1.8ℓ (4XF1) 4 Cyl.	92	Impulse, Stylus (DOHC 16V)	Fel-Pro 9156PT Victor N/A	New 5.114" Min 5.098"	<b>HSIS18</b>
1.8ℓ (G20Z) 4 Cyl.	81-85	I-Mark, Pick Up (SOHC)	Fel-Pro 8621PT-1 Victor 3553	New 3.672-3.678" Min 3.656"	<b>HSIS19</b>
1.9ℓ (G20Z) 4 Cyl.	83-87	Impulse, Trooper, Pick Up (SOHC)	Fel-Pro 8621PT-1 Victor 3553	New 3.672-3.678" Min 3.656"	<b>HSIS19</b>
2.0ℓ (4FC1) 4 Cyl.	81-85	Gemini (DIESEL)	Fel-Pro N/A Victor N/A	New 4.055" Min 4.047"	<b>HSIS18-D</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## ISUZU (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.2ℓ (134) 4 Cyl.	96-00	Hombre	Fel-Pro 9170PT-1 Victor 54051	New 5.315-5.320" Min 5.305"	<b>HSGM22</b>
2.2ℓ (F22B) 4 Cyl.	96-97	Oasis (VTEC) (SOHC 16V)	Fel-Pro 9958PT Victor 54216	New 3.935-3.939" Min 3.932"	<b>HSHO23A</b>
2.2ℓ (X22SE) 4 Cyl.	98-03	Amigo, Rodeo (DOHC 16V)	Fel-Pro 26317PT Victor 54395A	New 5.276-5.280" Min 5.276"	<b>HSIS22</b>
2.2ℓ (2180) 4 Cyl.	96-00	Hombre	Fel-Pro 9170PT-1 Victor 54051	New 5.315-5.330" Min 5.305"	<b>HSGM22</b>
2.3ℓ (4ZD1) 4 Cyl.	86-95	Trooper II, Pick-Up, Impulse, Amigo	Fel-Pro 9496PT Victor 5743	New 3.6673-3.6712" Min 3.651"	<b>HSIS23</b>
2.3ℓ (F23A) 4 Cyl.	98-99	Oasis (VTEC) (SOHC 16V)	Fel-Pro 9958PT1 Victor 54216	New 3.935-3.939" Min 3.932"	<b>HSHO23A</b>
2.6ℓ (4ZE1) 4 Cyl.	88-97	Trooper II, Rodeo, Pick- Up, Amigo	Fel-Pro 8215PT Victor 5850	New 3.6673-3.6712" Min 3.651"	<b>HSIS26</b>
2.8ℓ (LL2) V6	89-91	Trooper II	Fel-Pro 8699PT-2 Victor 3549	N/A	<b>HSGM28 (2)</b>
2.9ℓ (178) V4	07-08	i-290 (DOHC)	Fel-Pro 26389PT Victor N/A	New N/A Min N/A	<b>HSGM29</b>
3.1ℓ (CPC) V6	91-94	Rodeo, Pick Up	Fel-Pro 8699PT-2 Victor 3549	N/A	<b>HSGM28 (2)</b>
3.2ℓ (6VD1) V6	92-97	Trooper II, Rodeo (SOHC & DOHC 24V)	Fel-Pro 9174PT Victor 54038	New 4.126" Min 4.118"	<b>HSIS32 (2)</b>
3.2ℓ (6VD1) V6	98-04	Amigo, Rodeo (DOHC 24V)	Fel-Pro 9254,9256PT Victor 54410,54411	New 5.244" Min 5.236"	<b>HSIS32A (2)</b>

**INNOVATIVE MACHINE & SUPPLY - 800 736 1875**

**ISUZU (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.5ℓ (6VE1) V6	98-02	Trooper, VehiCROSS, Axiom (DOHC 24V)	Fel-Pro 9254,9256PT Victor 54410,54411	New 5.244" Min 5.236"	<b>HSIS32A (2)</b>
3.5ℓ (211) L5	06	i-350	Fel-Pro 26336PT Victor 54736	New N/A Min N/A	<b>HSGM35B</b>
3.7ℓ (223) L5	07-08	i-370 (DOHC)	Fel-Pro 26390PT Victor N/A	New N/A Min N/A	<b>HSGM37</b>
3.8/3.9ℓ (4BD1/2) 4 Cyl.	87-98	Truck, Bus (DIESEL) (Turbo also)	Fel-Pro N/A Victor N/A	New 3.541-3.545" Min 3.533"	<b>HSIS39-D</b>
4.2ℓ (256) L6	03-08	Ascender (DOHC-24V) (LL8)	Fel-Pro 26214PT Victor 54385	New N/A Min N/A	<b>HSGM42</b>
4.3ℓ (262) V6	97-00	Hombre	Fel-Pro 9354PT-1 Victor 5744	New 3.065" Min N/A	<b>HSGM43 (2)</b>
4.8ℓ (4HE1) 4 Cyl.	99-04	(Turbo also)	Fel-Pro N/A Victor N/A	New 4.683-4.687" Min N/A	<b>HSIS48D</b>
5.2ℓ (4HK1) 4 Cyl.	05-10		Fel-Pro N/A Victor N/A	New 4.685" Min N/A	<b>HSIS48D2</b>
5.2ℓ (4HK1) 4 Cyl.	11-13		Fel-Pro N/A Victor N/A	New 4.685" Min N/A	<b>HSIS52</b>
5.3ℓ (325) V8	03-06	Ascender Vin T	Fel-Pro 26191, 26190PT Victor 54441, 54442	New 4.732" Min N/A	<b>HSGM53 (2)</b>
7.1ℓ (6HE1) L6			Fel-Pro Victor	New Min	<b>HSIS71D</b>
7.8ℓ (6HK1) L6	05-17	Isuzu F-Series, Chevrolet T-Series, GMC T-Series	Fel-Pro Victor	New Min	<b>HSIS82D</b>



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## ISUZU (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
8.4ℓ (6SA1) L6			Fel-Pro Victor	New Min	<b>HSIS84D</b>
8.4ℓ (6SD1) L6	84-92	Truck, Bus (DIESEL) (Turbo also)	Fel-Pro Victor	New <b>6.811-6.812"</b> Min <b>6.800"</b>	<b>HSIS84AD</b>
9.8ℓ (6UZI) L6		DIESEL JOHN DEERE APPLICATION	Fel-Pro Victor	New N/A Min N/A	<b>HSIS98</b>

## JAGUAR

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.0ℓ (183) V6	00-06	S-Type, X-Type (Duratec)(DOHC)	Fel-Pro <b>26248,</b> <b>26249PT</b> Victor <b>54558,54559</b>	New N/A Min N/A	<b>HSFO30AL</b> <b>HSFO30AR</b>
4.0ℓ V6	00-02	OE: AJ88988 (Left) OE: AJ88989 (Right)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSFO42AL</b> <b>HSFO42AR</b>
4.2ℓ V6	03-10	OE: AJ88988 (Left) OE: AJ88989 (Right)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSFO42AL</b> <b>HSFO42AR</b>
4.2ℓ L6	68-87	XJ6 (12V)	Fel-Pro N/A Victor N/A OE <b>AH-690</b>	New <b>5.116"</b> Min <b>5.106"</b>	<b>HSJG42-2</b>
4.2ℓ L6	88-94	XJ6 (12V)	Fel-Pro N/A Victor N/A OE <b>NBC-2520</b>	New <b>4.875"</b> Min <b>4.855"</b>	<b>HSJG42</b>

## JEEP/EAGLE

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.5ℓ (4G15) 4 Cyl.	91-94	Summit (SOHC 12V)	Fel-Pro <b>9758PT</b> Victor <b>5907</b>	New <b>4.2086-4.2165"</b> Min <b>4.2006"</b>	<b>HSMT15</b>
1.5ℓ (4G15) 4 Cyl.	89-90	Summit (SOHC 8V) (4G15, G15B, G4AJ, G4DJ)	Fel-Pro <b>9352PT</b> Victor <b>3675</b>	New <b>4.2086-4.2165"</b> Min <b>4.2006"</b>	<b>HSMT15</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## JEEP/EAGLE (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6ℓ (4G61) 4 Cyl.	89-90	Summit (DOHC 16V)	Fel-Pro 9627PT Victor 5875	New 4.228-4.236" Min 4.220"	<b>HSMT20B</b>
1.8ℓ (4G37) 4 Cyl.	93-94	Talon (SOHC 8V)	Fel-Pro 9846PT Victor 5812	New 3.484" Min 3.476"	<b>HSMT18A</b>
1.8ℓ (4G93) 4 Cyl.	92-96	Summit, Summit Wagon (SOHC 16V)	Fel-Pro 9887PT Victor 54172	New 4.209-4.217" Min 4.201"	<b>HSMT18B</b>
2.0ℓ (4G63) 4 Cyl.	90-98	Talon (DOHC) (Turbo included)	Fel-Pro 9627PT Victor 5875	New 5.1968-5.201" Min 5.188"	<b>HSMT20B</b>
2.0ℓ (122) 4 Cyl.	07-13	Compass, Patriot (DOHC 16V)	Fel-Pro 26557PT Victor N/A	New N/A Min N/A	<b>HSCH24C</b>
2.0ℓ (420A) 4 Cyl.	95-98	Talon (DOHC 16V)	Fel-Pro 9036PT(-1) Victor 54044	New 5.4115-5.4193" Min 5.4035"	<b>HSCH20A</b>
2.2ℓ (134) 4 Cyl.	40-64	Willys, Dispatcher, Universal (L Head)	Fel-Pro N/A Victor N/A	New Min	<b>HSJP134</b>
2.4ℓ (148) 4 Cyl.	02-06	Liberty, TJ, Wrangler (DOHC 16V)	Fel-Pro 26206, 26202PT Victor 54420	New 5.4115-5.4193" Min 5.4035"	<b>HSCH24A</b>
2.4ℓ (144) 4 Cyl.	07-13	Compass, Patriot (DOHC 16V)	Fel-Pro 26332, 26557PT Victor N/A	New N/A Min N/A	<b>HSCH24C</b>
2.4ℓ (4G64) 4 Cyl.	92	Summit Wagon (SOHC 8V)	Fel-Pro 9388PT Victor 5747	New 3.543-3.544" Min 3.523"	<b>HSMT24</b>
2.4ℓ (4G64) 4 Cyl.	93-96	Summit Wagon (SOHC 16V)	Fel-Pro 9932PT Victor 54119	New 4.720-4.728" Min 4.712"	<b>HSMT24A</b>
2.5ℓ (150) 4 Cyl.	83-02	Light Truck (OHV) (AMC Engine)	Fel-Pro 9196PT Victor 3799	New 3.250" Min N/A	<b>HSJP25</b>

**INNOVATIVE MACHINE & SUPPLY - 800 736 1875**

**JEEP/EAGLE (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (151) 4 Cyl.	80-83	Pick Up, Scrambler	Fel-Pro 9405PT-1 Victor N/A	New 3.250" Min N/A	<b>HSGM25A</b>
2.8ℓ (173) V6	84-86	Cherokee, Comanche, Wagoneer	Fel-Pro 8699PT-2 Victor 3549	New 3.5805-3.595" Min 3.575"	<b>HSGM28 (2)</b>
3.0ℓ (182) V6	88-92	Premier (SOHC) Volvo/Renault Engine	Fel-Pro 9836B,9837E Victor N/A	New 4.363" Min 4.363"	<b>HSCH30L HSCH30R</b>
3.3ℓ (201) V6	93-97	Vision	Fel-Pro 9676PT, 9673PT Victor 5985, 5986	New 4.248-4.253" Min 4.240"	<b>HSCH33L HSCH33R</b>
3.5ℓ (215) V6	93-97	Vision	Fel-Pro 9926PT, 9927PT Victor 5979, 5978	New 4.7392-4.749" Min 4.7312"	<b>HSCH35L HSCH35R</b>
3.6ℓ (220) V6	11-16	Grand Cherokee, Wrangler (SOHC 24V)	Fel-Pro 26542PT, 26541PT Victor 54880, 54879	New N/A Min N/A	<b>HSCH36L HSCH36R</b>
3.7ℓ (226) V6	02-12	Commander, Grand Cherokee, Liberty (SOHC 12V)	Fel-Pro 26229PT Victor 54250	New N/A Min N/A	<b>HSCH37 (2)</b>
4.0ℓ (242) 6 Cyl.	87-06	Cherokee, Wagoneer, Wrangler	Fel-Pro 26211PT Victor 54249	New 3.465" Min N/A	<b>HSJP40</b>
4.2ℓ (258) 6 Cyl.	65-88	Cherokee, Commander, Grand Wagoneer	Fel-Pro 8169PT Victor 1199	New N/A Min N/A	<b>HSJP42</b>
4.7ℓ (285/287) V8	99-09	Grand Cherokee, Light Truck (SOHC 16V)	Fel-Pro 26157PT Victor 54237	New 4.585-4.592" Min 4.585"	<b>HSCH47 (2)</b>

**INNOVATIVE MACHINE & SUPPLY - 800 736 1875**

**JOHN DEERE** *(copper gaskets available for all listings)*

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
5.7ℓ (345) V8	05-18	Commander(05-09), Grand Cherokee(05-15) (Hemi)	Fel-Pro 26284,26286 26426,26423PT Victor 54417, 54418	New 4.6330" Min N/A	<b>HSCH57L HSCH57R</b>
4.5ℓ 4 Cyl.		Tractor 276 Engine	Fel-Pro 8604SB Victor N/A	New Min	<b>HSJD-45</b>
5.0ℓ 2 Cyl.		Model A Tractor 60 Series	Fel-Pro 7744SBX Victor N/A	New Min	<b>HSJD-60</b>
6.8ℓ 6 Cyl.		Industrial App. 6414D Engine (Diesel)	Fel-Pro 9223B Victor N/A	New 4.129-4.139" Min 4.104"	<b>HSJD-414</b>
10.1ℓ 6 Cyl.		Tractor 6619A Engine (Diesel)	Fel-Pro 8613 Victor N/A	New Min	<b>HSJD-619</b>

**KIA**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.5ℓ (B6) 4 Cyl.	01-02	Cinco, Rio (DOHC 16V)	Fel-Pro 26315PT Victor N/A	N/A	<b>HSKA15</b>
1.6ℓ (B6B) 4 Cyl.	95	Sephia (SOHC 16V)	Fel-Pro 9930PT Victor 54641	N/A	<b>HSMZ16C</b>
1.6ℓ (B6) 4 Cyl.	03-05	Cinco, Rio (DOHC 16V)	Fel-Pro 26315PT Victor N/A	N/A	<b>HSKA15</b>
1.6ℓ (G4EC/ED) 4 Cyl.	06-11	Rio, Rio5 (DOHC 16V)	Fel-Pro 26224PT Victor 54484	New 2.496" Min N/A	<b>HSKY16-A</b>
1.6ℓ 4 Cyl.	15	Forte (OE:223112E000) (DOHC)	Fel-Pro 26561PT Victor N/A	New N/A Min N/A	<b>HSKY18A</b>
1.8ℓ 4 Cyl.	14-15	Forte (OE:223112E000) (DOHC)	Fel-Pro 26561PT Victor N/A	New N/A Min N/A	<b>HSKY18A</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## KIA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.8ℓ (BP) 4 Cyl.	95-97	Sephia (DOHC 16V)	Fel-Pro 9717PT Victor 5878	New 4.228-4.236" Min 4.220"	<b>HSMZ18</b>
1.8ℓ (T8) 4 Cyl.	98-01	Spectra, Sephia (DOHC 16V)	Fel-Pro 26221PT Victor 54407	New 5.272-5.280" Min 5.272"	<b>HSKA18</b>
1.8ℓ (T8) 4 Cyl.	02-04	Spectra (DOHC 16V)	Fel-Pro 26432PT Victor 54408	N/A	<b>HSKA18A</b>
1.8ℓ 4 Cyl.	16-	(OE:22311-2E100)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSHY18B</b>
2.0ℓ 4 Cyl.	16-	(OE:22311-2E100)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSHY18B</b>
2.0ℓ 4 Cyl.	12-15	Soul, Forte (14-15) (OE:223112E000) (DOHC)	Fel-Pro 26561PT Victor N/A	New N/A Min N/A	<b>HSHY18A</b>
2.0ℓ (FE) 4 Cyl.	95	Sportage (SOHC 8V)	Fel-Pro 9422PT Victor 3763	New 3.620-3.624" Min 3.612"	<b>HSMZ22A</b>
2.0ℓ (FED) 4 Cyl.	95-02	Sportage (DOHC 16V)	Fel-Pro 26220PT Victor 54449	New 5.274-5.278" Min 5.274"	<b>HSKA20</b>
2.0ℓ (G4GF) 4 Cyl.	04-11	Spectra, Sportage (DOHC 16V)	Fel-Pro 26181 Victor 54485	New N/A Min N/A	<b>HSHY20</b>
2.4ℓ (G4JS) 4 Cyl.	01-06	Optima, Magentis (DOHC 16V)	Fel-Pro 26282PT Victor 54483	New 5.197-5.200" Min N/A	<b>HSMT24B</b>
2.4ℓ (G4KC) 4 Cyl.	06-13	Sportage, Rondo, Optima, Magentis, Forte, Sorento (DOHC 16V)	Fel-Pro 26333PT Victor 54741 Beck/Arnley 035- 2129	New 5.058-5.065" Min N/A	<b>HSHY24A</b>
2.7ℓ (G6BA) V6	02-10	Magentis, Optima, Sportage (DOHC 24V)	Fel-Pro 26276, 26277PT Victor 54503, 54504	New 3.543" Min 3.523"	<b>HSHY27L HSHY27R</b>
3.5ℓ (G6CU) V6	02-06	Amanti, Sedona, Sorento (DOHC 24V)	Fel-Pro 26294, 26293 Victor N/A	New N/A Min N/A	<b>HSHY35 (2)</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## LEXUS

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.4ℓ (2AZFE) 4 Cyl.	10-12	HS250h (DOHC 16V)	Fel-Pro 26323PT Victor 54409	N/A	HSTO24C
2.5ℓ (2ARFXE) 4 Cyl.	13-16	ES300th (Not available at this time)	Fel-Pro 26667PT Victor N/A	New N/A Min N/A	
2.5ℓ (2VZFE) V6.	90-91	ES 250 (DOHC 24V)	Fel-Pro 9656PT, 9657PT Victor 5859, 5860	New 4.805-4.810" Min 4.795"	HSTO25L HSTO25R
2.5ℓ (4GRFSE) V6.	06-15	IS 250 (DOHC 24V)	Fel-Pro 26419PT, 26421PT Victor 54782,54781	New N/A Min N/A	HSLX25L HSLX25R
3.0ℓ (3VZFE) V6.	92-93	ES 300 (DOHC 24V)	Fel-Pro 9904PT, 9905PT Victor 5859, 5860	New 4.805-4.810" Min 4.795"	HSTO25L HSTO25R
3.0ℓ (1MZFE) V6	94-03	ES300, RX300 (DOHC 24V)	Fel-Pro 9201, 9203, 9592, 9594PT Victor 54338, 54339	N/A	HSTO30BL HSTO30BR
3.0ℓ (1MZFE) V6	99-03	ES300, RX300 (DOHC 24V)	Fel-Pro 9592, 9594 Victor 54336,54337	N/A	HSTO30CL HSTO30CR
3.0ℓ (2JZGE) 6 Cyl.	93-05	GS300, IS300, SC300 (DOHC 24V)	Fel-Pro 26297PT Victor N/A	New 4.570" Min 4.560"	HSTO30D
3.3ℓ (3MZFE) V6	04-08	ES330, RX330, RX400h (DOHC 24V)	Fel-Pro 26266PT, 26267PT Victor 54455, 54456	New 4.900" Min N/A	HSTO33L HSTO33R
3.5ℓ (2GRFE) V6	06-16	ES350, GS350, IS350, RX350 (DOHC 24V)	Fel-Pro 26321, 26322PT Victor 54536, 54535	New N/A Min N/A	HSTO35L HSTO35R
4.5ℓ (1FZFE) L6	96-97	LX450 (DOHC 24V)	Fel-Pro Victor N/A	N/A	HSTO45
4.7ℓ (2UZFE) V8	98-09	GX470, LX470 (DOHC 32V)	Fel-Pro 26226PT, 26227,26298,26299 Victor 54389,54390	New 4.805-4.808" Min N/A	HSTO47L HSTO47R
5.7ℓ (3URFE) V8	08-14	LX570 (DOHC)	Fel-Pro 26393, 26394PT Victor 54776, 54777	New 4.645-4.646" Min N/A	HSTO57L HSTO57R

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## MAZDA

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.2ℓ (NA) 4 Cyl.	68-70	1200	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSMZ12</b>
1.5ℓ (E5) 4 Cyl.	81-85	Wagon, GLC (SOHC 8V)	Fel-Pro <b>HS 9067 B</b> Victor N/A	New <b>3.564-3.670"</b> Min <b>3.551"</b>	<b>HSMZ15</b>
1.5ℓ (Z5) 4 Cyl.	95-98	Protégé (DOHC 16V)	Fel-Pro <b>9213PT</b> Victor <b>54402</b>	New <b>4.733-4.741"</b> Min <b>4.725"</b>	<b>HSMZ15A</b>
1.6ℓ (NA) 4 Cyl.	70-77	616, 808, B1600 (SOHC)	Fel-Pro <b>8502PT</b> Victor N/A	N/A	<b>HSMZ16-MA</b>
1.6ℓ (B6) 4 Cyl.	86-89	323, Tracer (SOHC 8V) (except Turbo)	Fel-Pro <b>9461PT</b> Victor N/A	New <b>4.228-4.236"</b> Min <b>4.220"</b>	<b>HSMZ16</b>
1.6ℓ (B6E) 4 Cyl.	89-93	323, Miata, Turbo (DOHC 16V)	Fel-Pro <b>9691PT</b> Victor <b>5868</b>	New <b>5.268-5.276"</b> Min <b>5.2677"</b>	<b>HSMZ16A</b>
1.6ℓ (B6) 4 Cyl.	90-95	323 (SOHC 8V) (non Turbo)	Fel-Pro <b>9696 B</b> Victor N/A	New <b>4.228-4.236"</b> Min <b>4.220"</b>	<b>HSMZ16B</b>
1.6ℓ (B6B) 4 Cyl.	92-93	MX3 (SOHC 16V) (93-95 323 CA Eng. Only)	Fel-Pro <b>9930PT</b> Victor <b>54641</b>	N/A	<b>HSMZ16C</b>
1.6ℓ (B6D) 4 Cyl.	95-96	MX3 (DOHC 16V)	Fel-Pro N/A Victor N/A	N/A	<b>HSMZ16D</b>
1.6ℓ (ZM) 4 Cyl.	99-03	Protege (DOHC 16V)	Fel-Pro <b>26391,</b> <b>26392PT</b> Victor <b>54430,</b> <b>54431</b>	New <b>4.733-4.741"</b> Min <b>4.725"</b>	<b>HSMZ16E</b>
1.8ℓ (VB) 4 Cyl.	70-78	B1800, 618 (SOHC 8V)	Fel-Pro <b>8502PT</b> Victor N/A	N/A	<b>HSMZ16-MA</b>
1.8ℓ (BP) 4 Cyl.	90-00	323, Protege, Miata (DOHC 16V)	Fel-Pro <b>9717PT</b> Victor <b>5878</b>	New <b>5.268-5.276"</b> Min <b>5.2677"</b>	<b>HSMZ18</b>
1.8ℓ (BP) 4 Cyl.	90-94	Protege (SOHC 16V)	Fel-Pro <b>9717PT</b> Victor <b>5878</b>	New <b>4.228-4.236"</b> Min <b>4.220"</b>	<b>HSMZ18A</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## MAZDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.8ℓ (NB) 4 Cyl.	01-05	Miata (DOHC 16V)	Fel-Pro 26234PT Victor 54654	New 4.989-4.903" Min 4.893"	<b>HSMZ18B</b>
1.8ℓ (FP) 4 Cyl.	99-00	Protege (DOHC 16V)	Fel-Pro 9711PT Victor 5942	New 4.8996-4.9035" Min 4.8936"	<b>HSMZ20A</b>
2.0ℓ (MA) 4 Cyl.	79-84	626, B2000 (SOHC 8V)	Fel-Pro 8502PT Victor N/A	N/A	<b>HSMZ16-MA</b>
2.0ℓ (FE) 4 Cyl.	83-87	626, B2000 (except Turbo)	Fel-Pro 9422PT Victor 3763	New 3.620-3.624" Min 3.612"	<b>HSMZ22A</b>
2.0ℓ (RF) 4 Cyl.	82-87	Passenger Car (SOHC) (Diesel)	Fel-Pro NA Victor NA	New N/A Min N/A	<b>HSMZ20-D1</b>
2.0ℓ (FS) 4 Cyl.	93-03	626, MX6, Protégé (1.8) (DOHC 16V)	Fel-Pro 9711, 26194PT Victor 5942, 54475	New 4.8996-4.9035" Min 4.8936"	<b>HSMZ20A</b>
2.0ℓ (LFD) 4 Cyl.	04-14	Passenger Cars & Light Trucks (Duratec) (DOHC 16V) (Ford Eng)	Fel-Pro 26250, 26409PT Victor 54516, 54729	New N/A Min N/A	<b>HSMZ23A</b>
2.2ℓ (F2) 4 Cyl.	87-93	626, MX6, B2200 (SOHC 8V/12V)(Turbo included), Forklift (use with gasket that does not have timing chain opening)	Fel-Pro 9572PT Victor 5851	New 3.620-3.624" Min 3.612"	<b>HSMZ22A</b>
2.2ℓ 4 Cyl.		Forklift (use with gasket that includes opening for timing chain – NOT VERY COMMON)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSMZ22B</b>
2.3ℓ (KJ) V6	95-02	Millenia (DOHC 24V)	Fel-Pro N/A Victor N/A	New 5.032-5.036" Min 0.006" max remove	<b>HSMZ23 (2)</b>
2.3ℓ (MZR) 4 Cyl.	01-12	Passenger Cars & Light Trucks (Duratec) (DOHC 16V) (Turbo incl)	Fel-Pro 26250, 26407, 26409PT Victor 54516, 54729, 54770	New 4.882" Min N/A	<b>HSMZ23A</b>
2.5ℓ (KL) V6	93-02	626, Millenia, MX6	Fel-Pro 9921, 9923PT Victor 54060, 54061	New N/A Min N/A	<b>HSMZ25 (2)</b>



## INNOVATIVE MACHINE & SUPPLY - 800 736 1875

### MAZDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (GL) V6	00-01	MPV Engine	Fel-Pro 9038,9039, 26165,26166PT Victor N/A	New 5.252-5.260" Min 5.246"	<b>HSMZ25AL HSMZ25AR</b>
2.6ℓ (AM1) 4 Cyl.	87-88	B2600	Fel-Pro 8770PT Victor 3697	New 3.543" Min 3.523"	<b>HSMT26</b>
2.6ℓ (G6) 4 Cyl.	89-94	MPV, B2600I	Fel-Pro 9637PT Victor 4906	New 3.5413-3.5452" Min 3.5233"	<b>HSMZ26</b>
3.0ℓ (JE) V6	88-98	MPV, 929 (SOHC & DOHC)	Fel-Pro 9649PT, 9650PT Victor 5856, 5857	SOHC New 4.931-4.935" Min 4.925" DOHC New 5.707-5.711" Min 5.701"	<b>HSMZ30 (2)</b>
3.0ℓ (183) V6	01-09	6, MPV, Tribute, Light Trucks (Duratec)	Fel-Pro 9540/41, 26233/07/12PT Victor 54364,54363 54517,54518/19	New 5.155-5.163" Min N/A	<b>HSFO30AL/R</b>
4.0ℓ (244) V6	90-01	B4000 (OHV) (VIN X)	Fel-Pro 9081/9083PT 9724/9725PT Victor 5887,5888	New 2.890-2.895" Min 2.880"	<b>HSFO40L HSFO40R</b>
4.0ℓ (244) V6	01-10	B4000 (SOHC) (Vin E)	Fel-Pro 26300 26301PT Victor 54196,54195	New 4.864" Min N/A	<b>HSFO40BL HSFO40BR</b>

### MERCEDES BENZ (Other applications available. Call for more information)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.8ℓ 4 Cyl. 4 Cyl.	03-05	C230 Kompressor	Fel-Pro 26650PT Victor 54691	New N/A Min N/A	<b>HSMB230B</b>
1.9ℓ (M115) 4 Cyl.	75-87	1900	Fel-Pro N/A Victor N/A	New 3.339-3.346" Min .3.329"	<b>HSMB190</b>
2.0ℓ (M102) 4 Cyl.	84-93	190, 190E, 200, 200T, 200E	Fel-Pro N/A Victor N/A	N/A	<b>HSMB200</b>
2.2ℓ (M111) 4 Cyl.	94-96	C220, (16V)	Fel-Pro 26573PT Victor 54693	New 5.350-5.354" Min 3.334"	<b>HSMB200A</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## MERCEDES BENZ (con't)(Other applications available. Call for more information)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.3ℓ (M102) 4 Cyl.	80-93	190E, 230E, 230CE, 230TE	Fel-Pro <b>HS 9743PT</b> Victor <b>54699</b>	New 3.880" Min 3.850"	<b>HSMB230</b>
2.3ℓ (M111) 4 Cyl.	97-04	C230 Kompressor, SLK230 (16V)	Fel-Pro <b>26579,</b> <b>26646, 26653</b> Victor <b>54620,</b> <b>54621</b>	N/A	<b>HSMB230A</b>
2.5ℓ (M129) 6 Cyl.	85-93	190D, 250D Diesel	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSMB250</b>
2.6ℓ  6 Cyl.	87-93	190E, 300E (90-92) 190E, 260E (87-89)	Fel-Pro <b>HS 26285PT</b> <b>HS 9768PT</b> Victor <b>HS 54697</b>	New 3.545-3.550" Min 3.524"	<b>HSMB260</b>
2.8ℓ (M110) 6 Cyl.	72-85	280	Fel-Pro N/A Victor N/A	New 3.697-3.701" Min 3.665"	<b>HSMB280</b>
2.8ℓ  6 Cyl.	68-72	280SL, 280SEL, 280SE, 300SEL	Fel-Pro N/A Victor N/A	New 3.339-3.34" Min 3.307"	<b>HSMB280L</b>
2.8ℓ (M130) 6 Cyl.	67-72	280SE, 280SL, 300SEL	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSMB280C</b>
2.8ℓ (M104) 6 Cyl.	92-97	280E, 280TE, C280, S280, SL280, 300SE (DOHC)	Fel-Pro N/A Victor N/A	New <b>5.350"</b> Min <b>5.330"</b>	<b>HSMB300B</b>
2.8ℓ (M104.900) 6 Cyl.	98-	V280 (Vito) (Volkswagen engine)	Fel-Pro N/A Victor <b>54343</b>	New <b>5.492-5.515"</b> Min <b>5.492"</b>	<b>HSVK28</b>
3.0ℓ (M103) 6 Cyl.	90-93	300E, 300SE, 300TE	Fel-Pro <b>HS26291PT</b> Victor <b>54710</b>	New <b>3.545-3.550"</b> Min <b>3.524"</b>	<b>HSMB300A</b>
3.0ℓ (M104) 6 Cyl.	89-93	300E, 300CE, 300TE (24V)	Fel-Pro N/A Victor N/A	New <b>5.350"</b> Min <b>5.330"</b>	<b>HSMB300B</b>
3.0ℓ (M603) 6 Cyl.	84-96	300D, 300 TURBO, 300GD, G300 (Diesel)	Fel-Pro N/A Victor N/A	New <b>5.635-5.641"</b> Min <b>5.606"</b>	<b>HSMB300-D</b>

## INNOVATIVE MACHINE & SUPPLY - 800 736 1875

### MERCEDES BENZ (con't)(Other applications available. Call for more information)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.0ℓ (M606) 6 Cyl.	93-97	E300 (24V) (Diesel)	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	<b>N/A</b>	<b>HSMB300-D2</b>
3.2ℓ (M104) 6 Cyl.	92-99	300E, 300SE, E320	Fel-Pro <b>26287PT</b> , <b>26289PT</b> Victor <b>N/A</b>	New <b>5.350-5.324"</b> Min <b>5.335"</b>	<b>HSMB320</b>
4.2ℓ (M119) V8	92-97	400SE, 400SEL, 400E, S420 (Later Style)	Fel-Pro <b>HS 26350</b> , <b>HS 26351PT</b> Victor <b>N/A</b>	<b>N/A</b>	<b>HSMB420L</b> <b>HSMB420R</b>
5.0ℓ (M117) V8	77-85	450SLC, 500SE, 500SEL, 500SEC, 500GLC, G500	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New <b>2.400"</b> Min <b>2.354"</b> Meas. at front intake side head bolt boss	<b>HSMB500L</b> <b>HSMB500R</b>
5.6ℓ (M117) V8	85-91	560SL, 560SLE, 560SEC, 560SE	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New <b>2.3544-2.3622"</b> Min <b>2.3445"</b> Meas. at exhaust side head bolt area	<b>HSMB500L</b> <b>HSMB500R</b>
7.2ℓ 6 Cyl.		MB3900 (OM960LA) TRUCK	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSMB72</b>

### MG/AUSTIN

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.1ℓ (1098cc) 4 Cyl.	62-74	1100, Sprite	Fel-Pro <b>21042C</b> Victor <b>3611</b>	New <b>2.750"</b> Min <b>2.734"</b>	<b>HSMG11</b>
1.5ℓ (1493cc) 4 Cyl.	54-62	MGA, Magnette, Midget	Fel-Pro <b>21190B</b> Victor <b>N/A</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSMG15</b>
1.6ℓ (1622cc) 4 Cyl.	62-78	MGA, Magnette, Midget	Fel-Pro <b>21044C</b> Victor <b>N/A</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSMG16</b>

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## MINNEAPOLIS MOLINE *(copper gaskets available for all listings)*

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.8ℓ (1798cc) 4 Cyl.	62-81	Marina, Sherpa, MGB	Fel-Pro 21183C Victor 3614	New 3.140" Min N/A	<b>HSMG18</b>
5.5ℓ 4 Cyl.		Tractor 336-4 Engine	Fel-Pro 8323B Victor	New Min	<b>HSMM-336</b>
13.1ℓ 6 Cyl.		Tractor 800 Series	Fel-Pro 7424B Victor	New Min	<b>HSMM-800 (3)</b>

## MITSUBISHI

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.4ℓ (4G33) 4 Cyl.		Forklift	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSMT14</b>
1.5ℓ (4G15) 4 Cyl.	91-96	Mirage (SOHC 12V)	Fel-Pro 9758PT Victor 5907	New 4.2086-4.2165" Min 4.2006"	<b>HSMT15</b>
1.5ℓ (4G15) 4 Cyl.	85-94	Mirage, Precis (SOHC 8V) (4G15, G15B, G4AJ, G4DJ)	Fel-Pro 9352PT Victor 3675	New 4.2086-4.2165" Min 4.2006"	<b>HSMT15</b>
1.5ℓ (4G15) 4 Cyl.	97-01	Mirage (SOHC 12V)	Fel-Pro N/A Victor N/A	New 4.2086-4.2165" Min 4.2006"	<b>HSMT15A</b>
1.6ℓ (4G61) 4 Cyl.	89-92	Mirage Turbo (DOHC 6V) Eclipse, Galant, Mirage (DOHC 16V)	Fel-Pro 9627PT Victor 5875	New 5.200" Min 5.192"	<b>HSMT20B</b>
1.6ℓ (4G32) 4 Cyl.	81-93	Mirage (DOHC 16V) (G32B) (85-88)	Fel-Pro 8974PT Victor N/A	New 3.480-3.488" Min 4.2006"F	<b>HSMT16A</b>
1.8ℓ (4G37) 4 Cyl.	90-94	Eclipse (SOHC 8V)	Fel-Pro 9846PT Victor 5812	New 3.484" Min 3.476"	<b>HSMT18A</b>
1.8ℓ (4G93) 4 Cyl.	92-96	Expo LRV, Mirage (SOHC 16V)	Fel-Pro 9887PT Victor 54172	New 4.209-4.217" Min 4.201"	<b>HSMT18B</b>
1.8ℓ (4G93) 4 Cyl.	97-02	Mirage (SOHC 16V)	Fel-Pro 26183PT Victor 54490	New 4.720-4.728" Min 4.712"	<b>HSMT18C</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## MITSUBISHI (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (122) 4 Cyl.	08-13	Lancer, Outlander, RVR (DOHC 16V)	Fel-Pro 26557PT Victor N/A	New N/A Min N/A	<b>HSCH24C</b>
2.0ℓ (G63B) 4 Cyl.	83-92	Cordia, Tredia, Pick Up, Galant (SOHC 8V)	Fel-Pro 9086PT Victor 5703	New 3.543-3.548" Min 3.523"	<b>HSMT20B</b>
2.0ℓ (4G63) 4 Cyl.	89-99	Eclipse, Galant (DOHC)	Fel-Pro 9627PT Victor 5875	New 5.200" Min 5.192"	<b>HSMT20B</b>
2.0ℓ (G52B) 4 Cyl.	75-78	(4G52 and Forklift also)	Fel-Pro 8788B Victor	New 5.193-5.201" Min 5.185"	<b>HSMT20C</b>
2.0ℓ (4G94T) 4 Cyl.	03-06	Lancer Evolution AWD (DOHC) Turbo	Fel-Pro 26365PT Victor 54433	New 4.720-4.728" Min N/A	<b>HSMT20D</b>
2.0ℓ (420A) 4 Cyl.	95-99	Eclipse (DOHC 16V)	Fel-Pro 9922PT Victor 54044	New 5.4115-5.4193" Min 5.4035"	<b>HSCH20A</b>
2.3ℓ (4D55) 4 Cyl.	83-85	MightyMax (SOHC) (Turbo)	Fel-Pro 9084PT Victor 3786	New 3.700-3.705" Min 3.690"	<b>HSMT23-D</b>
2.4ℓ (4G64) 4 Cyl.	87-96	Pick Up, Van/Wagon (SOHC 8V)	Fel-Pro 9388PT Victor 5747	New 4.720-4.728" Min 4.712"	<b>HSMT24</b>
2.4ℓ (G64B) 4 Cyl.	85-87	Galant (SOHC 8V), Forklift	Fel-Pro 9388PT Victor 5747	New 3.543-3.544" Min 3.523"	<b>HSMT24</b>
2.4ℓ (4G64K) 4 Cyl.	93-99	Eclipse, Galant, Expo (SOHC 16V)	Fel-Pro 9932PT Victor 54119G	New 4.720-4.728" Min 4.712"	<b>HSMT24A</b>
2.4ℓ (4G64FR) 4 Cyl.	97-99	Montero Sport (SOHC 16V)	Fel-Pro 26312PT Victor N/A	<b>N/A</b>	<b>HSMT24C</b>
2.4ℓ (4G64) 4 Cyl.	99-05	Eclipse, Galant, Outlander (SOHC 16V)	Fel-Pro 26172PT Victor 54329	New 4.720-4.730" Min 4.712"	<b>HSMT24B</b>
2.4ℓ (4G69) 4 Cyl.	04-09	Eclipse, Galant, Lancer, Outlander (SOHC 16V)	Fel-Pro 26235PT Victor 54488	New " Min "	<b>HSMT24D</b>

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## MITSUBISHI (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.4ℓ (144) 4 Cyl.	08-14	Lancer, Outlander (DOHC 16V)	Fel-Pro 26557PT Victor N/A	New N/A Min N/A	<b>HSCH24C</b>
2.6ℓ (G54B) 4 Cyl.	83-89	Mighty Max, Montero, Starion	Fel-Pro 8770, 9116PT Victor N/A	New 3.543" Min 3.523"	<b>HSMT26</b>
3.0ℓ (6G72) V6	88-99	Galant, Sigma, Montero, Diamante (92-94), Mighty Max (90-94) (SOHC)	Fel-Pro 9112PT Victor 5765	New 3.303-3.311" Min 3.295"	<b>HSMT30 (2)</b>
3.0ℓ (6G72) V6	91-99	3000, Diamante, Montero (SOHC & DOHC 24V)	Fel-Pro 9842PT, 26186PT Victor 54492	New 5.200-5.210" Min 5.1888"	<b>HSMT30A (2)</b>
3.0ℓ (6G72) V6	99-05	Eclipse, Galant, Montero Sport (SOHC 24V)	Fel-Pro 9537PT Victor 54494	New 5.200-5.210" Min 5.1888"	<b>HSMT30A (2)</b>
3.5ℓ (6G74) V6	91-04	Diamante, Montero (DOHC 24V)	Fel-Pro 26186, 26193PT Victor 54492, 54143S	New 5.200" Min 5.1888"	<b>HSMT35 (2)</b>
3.5ℓ (6G74) V6	97-04	Diamante, Montero (SOHC 24V)	Fel-Pro 26193PT Victor 54143S	New 4.7244" Min N/A	<b>HSMT35A (2)</b>
3.7ℓ (226) V6	06-09	Raider (SOHC 12V)	Fel-Pro 26229PT Victor 54250	New N/A Min N/A	<b>HSCH37 (2)</b>
3.8ℓ (6G75) V6	03-11	Eclipse, Galant, Montero (SOHC 24V)	Fel-Pro 26313PT Victor 54143	<b>N/A</b>	<b>HSMT38 (2)</b>
4.7ℓ (285) V8	06-07	Raider (SOHC 16V)	Fel-Pro 26157PT Victor 54237	New 4.585-4.592" Min 4.585"	<b>HSCH47 (2)</b>
4.9ℓ (4M50) 4Cyl	00-04	Med Duty Diesel (DOHC 16V)	Fel-Pro N/A Victor N/A	New 4.190" Min N/A	<b>HSMT4M50</b>
7.5ℓ (6M60) 6Cyl	07-09	Med Duty Diesel (SOHC 24V)	Fel-Pro N/A Victor N/A	New 3.736-3.74" Min 3.755"	<b>HSMT6M60</b>

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## NISSAN

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.2ℓ (A12) 4 Cyl.	79-82	210, Station Wagon (SOHC)	Fel-Pro 21199PT1 Victor N/A	New 2.825-2.830" Min N/A	<b>HSNS12</b>
1.4ℓ (A14) 4 Cyl.	75-82	210, 210B, 310, F10	Fel-Pro 21199PT1 Victor N/A	New 2.919-2.925" Min 2.909"	<b>HSNS12</b>
1.5ℓ (A15) 4 Cyl.	79-82	210, 310	Fel-Pro 21199PT1 Victor N/A	New 2.919-2.925" Min 2.909"	<b>HSNS12</b>
1.5ℓ (E15) 4 Cyl.	82-84	310, Sentra, Pulsar NX (SOHC)	Fel-Pro 9376PT Victor N/A	New 4.724" Min 4.712"	<b>HSNS16</b>
1.6ℓ (E16) 4 Cyl.	83-88	Pulsar, Sentra (SOHC)	Fel-Pro 9376PT Victor N/A	New 4.720-4.724" Min 4.712"	<b>HSNS16</b>
1.6ℓ (GA16I) 4 Cyl.	89-90	Pulsar NX, Sentra NX	Fel-Pro 9645PT Victor 5875	New 4.748-4.756" Min 4.740"	<b>HSNS16A</b>
1.6ℓ (GA16DE) 4 Cyl.	91-99	NX 1600, NX Coupe, Sentra, 200SX	Fel-Pro 9819PT Victor 4895	New 4.638-4.646" Min 4.630"	<b>HSNS16B</b>
1.6ℓ (L16) 4 Cyl.	70-73	510, 521 Pickup, 620 Pickup	Fel-Pro 21178PT Victor N/A	New N/A Min N/A	<b>HSNS20C</b>
1.8ℓ (QG18DE) 4 Cyl.	00-06	Sentra (DOHC 16V)	Fel-Pro 26255PT Victor 54471	New N/A Min N/A	<b>HSNS18</b>
1.8ℓ (CA18DE) 4 Cyl.	88-89	200SX, Pulsar (DOHC 16V)	Fel-Pro N/A Victor N/A	New 4.957-4.965" Min 4.949"	<b>HSNS18A</b>
1.8ℓ (MR18DE) 4 Cyl.	07-12	Cube, Versa (DOHC 16V)	Fel-Pro 26338PT Victor 54692	New 5.515" Min N/A	<b>HSNS18B</b>
1.8ℓ (L18) 4 Cyl.	73-74	610, 620 Pickup	Fel-Pro 21178PT Victor N/A	New N/A Min N/A	<b>HSNS20C</b>
1.8ℓ (CA18ET) 4 Cyl.	84-87	200 SX Turbo	Fel-Pro 9236PT Victor N/A	New 4.598" Min 4.587"	<b>HSNS20</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## NISSAN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (CA20E) 4 Cyl.	82-89	200 SX, Stanza, Stanza Sedan / Hatchback / Wagon	Fel-Pro 9236PT Victor N/A	New 4.595-4.610" Min 4.587"	<b>HSNS20</b>
2.0ℓ 4 Cyl.	77-92	Forklift H20	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSNSH20</b>
2.0ℓ (SR20DE) 4 Cyl.	91-01	Sentra, 200 SX, NX 2000	Fel-Pro 9816PT Victor 4917	New 5.390-5.398" Min 5.382"	<b>HSNS20A</b>
2.0ℓ (MR20DE) 4 Cyl.	07-12	Sentra (DOHC 16V)	Fel-Pro 26338PT Victor 54692	New 5.515" Min N/A	<b>HSNS18B</b>
2.0ℓ (L20) 4 Cyl.	74-80	200SX, 510, 610, 620, 710, 720	Fel-Pro 21178PT Victor N/A	New 4.260" Min 4.245"	<b>HSNS20C</b>
2.2ℓ (Z24) 4 Cyl.	81-83	200SX, 720	Fel-Pro 9210PT-1 Victor 3767	New 3.886-3.902" Min 3.878"	<b>HSNS24</b>
2.4ℓ (Z24) 4 Cyl.	83-89	720 Pick Up, Pathfinder, Cargovan, D21 Pick Up	Fel-Pro 9210PT-1 Victor 3767	New 3.886-3.902" Min 3.878"	<b>HSNS24</b>
2.4ℓ (KA24E) 4 Cyl.	89-97	240 SX, Stanza, D21 Pick Up, Axxess MPV (SOHC 12V)	Fel-Pro 9646PT Victor 5863	New 3.890-3.898" Min 3.882"	<b>HSNS24A</b>
2.4ℓ (KA24DE) 4 Cyl.	91-94	240 SX (DOHC 16V)	Fel-Pro 9820PT Victor 5742	New 4.972-4.980" Min 4.964"	<b>HSNS24B</b>
2.4ℓ (KA24DE) 4 Cyl.	95-04	240 SX, Frontier, Xterra (DOHC 16V)	Fel-Pro 26171PT Victor 54373	New 4.972-4.980" Min 4.964"	<b>HSNS24B1</b>
2.4ℓ (KA24DE) 4 Cyl.	93-01	Altima (DOHC 16V)	Fel-Pro 9942PT Victor 54098G	New 4.972-4.980" Min 4.964"	<b>HSNS24C</b>
2.4ℓ (L24) 6 Cyl.	70-84	240Z, 810, Maxima (SOHC 12V)	Fel-Pro 21157PT-1 Victor N/A	New 4.252" Min 4.232"	<b>HSNS24D</b>
2.5ℓ (QR25DE) 4 Cyl.	02-14	Altima (-12), Sentra (-12), Frontier (-14), Rogue (-13)	Fel-Pro 26261, 26519, 26520PT Victor 54444, 54593, 54594	New 5.095-5.100" Min 5.085"	<b>HSNS25</b>



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## NISSAN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (QR25DE) 4 Cyl.	13-15	Altima, Rogue (14-15)	Fel-Pro HS 26659PT Victor N/A	New 5.095-5.100" Min 5.085"	<b>HSNS25B</b>
2.5ℓ (SD25) V6	82-88	720 Mini Pickup (Diesel)	Fel-Pro N/A Victor N/A	New 3.545" Min 3.531"	<b>HSNS25D (2)</b>
2.5ℓ 4 Cyl.		K21, K25 Forklift	Fel-Pro N/A Victor N/A	New 4.016" Min N/A	<b>HSNSK25</b>
2.6ℓ (L26) 6 Cyl.	74-75	260Z (SOHC 12V)	Fel-Pro 21157PT-1 Victor N/A	New 4.252" Min 4.232"	<b>HSNS24D</b>
2.8ℓ (L28E) 6 Cyl.	75-80	280Z, 280ZX (SOHC 12V)	Fel-Pro 21157PT-1 Victor N/A	New 4.252" Min 4.232"	<b>HSNS24D</b>
2.8ℓ (L28E/26) 6 Cyl.	81-83 ALL YEARS	280ZX (Includes Turbo)	Fel-Pro 8799PT Victor 3987	New 4.252-4.260" Min 4.232"	<b>HSNS28</b>
3.0ℓ (VG30) V6	84-98	200 SX, 300 ZX (non Turbo), Maxima, Quest (93), Pathfinder, D21 Pick Up (SOHC)	Fel-Pro 9228PT, 9571PT Victor 5758, 5826	New 4.2047-4.2057" Min 4.1967"	<b>HSNS30 (2)</b>
3.0ℓ (VG30T) V6	84-89	300 ZX Turbo (SOHC)	Fel-Pro 9228PT, 9571PT Victor 5758, 5826	New 4.2047-4.2057" Min 4.1967"	<b>HSNS30 (2)</b>
3.0ℓ (VG30E) V6	90-96	300 ZX (DOHC 24V) (Turbo also)	Fel-Pro 9703PT Victor 5865	New 5.429-5.437" Min 5.421"	<b>HSNS30A (2)</b>
3.0ℓ (VE30DE) V6	92-94	Maxima (DOHC 24V)	Fel-Pro N/A Victor 54495, 54496	New 5.429-5.437" Min 5.421"	<b>HSNS30BL HSNS30BR</b>
3.0ℓ (VQ30DE) V6	95-99	Maxima (DOHC 24V)	Fel-Pro 9508,9509PT Victor 54379,54380	New 4.972-4.980" Min 4.964"	<b>HSNS30DL HSNS30DR</b>
3.3ℓ (VG33E) V6	96-04	Frontier P/U, Quest, Xterra (SOHC 12V)	Fel-Pro 26219 Victor 54393	New 4.205-4.220" Min N/A"	<b>HSNS33 (2)</b>
3.5ℓ (VQ35DE) V6	01-09	350Z, Altima, Maxima, Quest, Pathfinder (DOHC 24V)	Fel-Pro 26239, 26240,26241/2PT Victor 54482	New 4.972-4.980" Min N/A	<b>HSNS35L HSNS35R</b>

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## NISSAN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.5ℓ (VQ35DE) V6	07-15	350Z, Altima, Maxima, Murano, Quest, Pathfinder (DOHC 24V)	Fel-Pro 26511, 26512PT Victor 54586, 54587	New N/A Min N/A	<b>HSNS35AL HSNS35AR</b>
3.5ℓ (VQ40DE) V6	02-09	350Z, Altima, Maxima, Murano (DOHC 24V)	Fel-Pro 26370, 26371PT Victor 54479, 54480	New 4.972-4.980" Min N/A	<b>HSNS40L HSNS40R</b>
4.0ℓ (VQ40DE) V6	05-15	Frontier, Pathfinder, Xterra (DOHC 24V)	Fel-Pro 26370, 26371PT Victor 54479, 54480	New 4.972-4.980" Min N/A	<b>HSNS40L HSNS40R</b>
5.6ℓ (VK56DE) V8	04-13	Armada, Pathfinder, Titan (DOHC)	Fel-Pro 26372, 26373PT Victor 54651, 54652	New 4.972" Min N/A	<b>HSNS56L HSNS56R</b>
		<b>4 &amp; 6 Cyl. Cam Tower Shims L24, L26, L28</b>			<b>HSNSSK6</b>

## OLIVER

3.2ℓ (194) 6 Cyl.		77, 77 Super, 177	Fel-Pro 7411B Victor	New Min	<b>HSWAU216</b>
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## PACKARD

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
(320) 8 Cyl.	20s-38	Packard 120 Straight 8	Fel-Pro N/A Victor N/A	New Min	<b>HSPK120</b>

## PERKINS *(copper gaskets available for all listings)*

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (152.7) 3 Cyl.		H/D Truck A3.152 Diesel	Fel-Pro 21118 Victor	New Min	<b>HSPE25</b>
5.8ℓ (354) 6 Cyl.		H/D Truck A6.354 Diesel	Fel-Pro 21101B Victor	New Min	<b>HSPE58</b>

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## PEUGEOT

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.9ℓ (XU) 4 Cyl.	82-96	205, 305, 309, 405	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New Min	<b>HSPU19</b>
2.0ℓ (XN) 4 Cyl.	71-87	504, 505 (OHV)	Fel-Pro <b>21221B</b> Victor <b>N/A</b>	New Min	<b>HSPU20</b>
2.0ℓ (XN) 4 Cyl.	70-90	Forklift	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New Min	<b>HSPU20FL</b>

## PORSCHE

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ 4 Cyl.	83-88	924S, 944 (SOHC)	Fel-Pro <b>HS 9462B</b> Victor <b>5728</b>	New <b>0.941-0.949"</b> Min <b>0.937"</b> <small>Meas. from machine boss (exh. side)</small>	<b>HSPS25</b>
3.2ℓ (195) 6 Cyl.	04-06	Cayenne	Fel-Pro <b>26648PT</b> Victor <b>54629</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSVK32</b>
3.4ℓ 6 Cyl.	99-01	911 (996GT3) (DOHC)	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSPS34(2)</b>

## RENAULT

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (F3N/F3R) V8	89-96	Alliance, Encore Renault 1.7, 2.0	Fel-Pro <b>9384PT</b> Victor <b>N/A</b>	New <b>N/A</b> Min <b>N/A</b>	<b>HSRN20-F3R</b>
2.2ℓ ( ) 4 Cyl.	86-94	Medallion, Renault/Eagle	Fel-Pro <b>N/A</b> Victor <b>N/A</b>	New <b>4.400"</b> Min <b>N/A</b>	<b>HSRN22</b>

## ROVER

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (153) V6	02-05	Freelander (V6) (KV6)	Fel-Pro <b>26652PT</b> Victor <b>54695</b>	New <b>4.683-4.687"</b> Min <b>4.683"</b>	<b>HSRR25 (2)</b>

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**ROVER (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.2ℓ (B6324S) 6 Cyl.	08-12	LR2	Fel-Pro 26602PT Victor 54645	New N/A Min N/A	<b>HSVO32</b>
3.9ℓ (241) V8	94-03	Range Rover, Defender 90, Morgan (Plus 8) (V8)	Fel-Pro 26532PT Victor 54696	New .903" End of Head - EXH Side Min .883" (0.020" Max)	<b>HSRR39 (2)</b>
4.0ℓ (241) V8	95-02	Range Rover, Discovery (V8)	Fel-Pro 26532PT Victor 54696	New .903" End of Head - EXH Side Min .883" (0.020" Max)	<b>HSRR39 (2)</b>
4.0ℓ (245) V6	05-09	LR3 (SOHC) (Vin E)	Fel-Pro 26300, 26301PT Victor 54196, 54195	New 4.864" Min N/A	<b>HSFO40BL HSFO40BR</b>
4.2ℓ (241) V8	94-95	Range Rover (V8)	Fel-Pro 26532PT Victor 54696	New .903" End of Head - EXH Side Min .883" (0.020" Max)	<b>HSRR39 (2)</b>
4.4ℓ (439) V8	05-09	LR3, Range Rover	Beck/Arnley 035-2164 035-2165 Victor N/A	New N/A Min N/A	<b>HSRR44L HSRR44R</b>
4.6ℓ (278) V8	96-04	Range Rover, Discovery (V8)	Fel-Pro 26532PT Victor 54696	New .903" End of Head - EXH Side Min .883" (0.020" Max)	<b>HSRR39 (2)</b>
5.0ℓ (305) V8	10-16	Range Rover, Sport, LR4 (DOHC)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSRR50L HSRR50R</b>

**SAAB**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (B201) 4 Cyl.	69-80	99, 900 (DOHC 16V)	Fel-Pro N/A Victor NA	New 5.532-5.540" Min 5.520"	<b>HSSB20C</b>
2.0ℓ (B202) 4 Cyl.	85-94	900, 9000 (DOHC 16V)	Fel-Pro 9879PT Victor 5827	New 5.532-5.540" Min 5.512"	<b>HSSB20-1</b>
2.0ℓ (B204) 4 Cyl.	95-99	900, 9-3 (DOHC 16V)	Fel-Pro 26431PT Victor 54690	New 5.532-5.540" Min 5.520"	<b>HSSB20</b>
2.0ℓ (EJ20T) 4 Cyl.	02-05	9-2X (DOHC 16V)	Fel-Pro 26537PT Victor 54467	New 5.02" Min Max Milling .012"	<b>HSSU20 (2)</b>

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### SAAB (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (B205) 4 Cyl.	00-03	9-3 (DOHC 16V)	Fel-Pro 26428PT Victor 54630	New 5.532-5.540" Min 5.520"	<b>HSSB20A</b>
2.0ℓ (B207) 4 Cyl.	03-11	9-3, 9-5 (DOHC)	Fel-Pro 26584PT Victor 54633	New 5.080-5.085" Min N/A	<b>HSGM22A</b>
2.3ℓ (B234) 4 Cyl.	99	9-3 (DOHC 16V)	Fel-Pro 26431PT Victor 54690	New N/A Min N/A	<b>HSSB20</b>
2.3ℓ (B235) 4 Cyl.	99-09	9-3, 9-5 (DOHC 16V)	Fel-Pro 26428PT Victor 54630	New 5.488-5.496" Min 5.472"	<b>HSSB20A</b>
2.5ℓ (EJ251/53) 4 Cyl.	05-06	9-2X (SOHC 16V)	Fel-Pro 26170, 26415PT Victor N/A	New 3.839" Min 3.834"	<b>HSSU25 (2)</b>
2.5ℓ (EJ255) 4 Cyl.	06	9-2X (DOHCTURBO16V)	Fel-Pro 26531PT Victor N/A	New 5.020" Min MAX REMOVAL .012"	<b>HSSU25A (2)</b>
3.0ℓ (B308) V6	95-03	9-5, 9000 (DOHC 24V)	Fel-Pro 26189, 26173PT Victor 54636, 54635	New 5.272-5.280" Min 5.272"	<b>HSGM30-OPEL</b>
4.2ℓ (256) L6	05-09	9-7x (DOHC-24V)	Fel-Pro 26214PT Victor 54385	New N/A Min N/A	<b>HSGM42</b>
5.3ℓ (325) V8	05-09	9-7x Vin T	Fel-Pro 26190PT Victor 54442	New 4.732" Min N/A	<b>HSGM53 (2)</b>
6.0ℓ (364) V8	08-09	9-7x	Fel-Pro 26192 PT Victor 54445	New 4.732" Min N/A	<b>HSGM60 (2)</b>

### SATURN

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.9ℓ (LLO) 4 Cyl.	91-02	SC1, SL, SL1, SW1 (SOHC)	Fel-Pro 9971PT Victor 5992	New 4.444-4.454" Min 4.444"	<b>HSST19</b>
1.9ℓ (LKO) 4 Cyl.	91-02	SC, SC2, SL2, SW2 (DOHC)	Fel-Pro 9968PT Victor 5993	New 4.445-4.453" Min 4.444"	<b>HSST19A</b>

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## SATURN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.2ℓ (134) 4 Cyl.	00-07	Ion, L100, L200, L300, LS, LW (ECOTEC) (DOHC)	Fel-Pro 26223PT Victor 54440	New 5.080-5.085" Min N/A	<b>HSGM22A</b>
2.4ℓ (145) 4 Cyl	06-10	Aura, Vue, Ion, Sky (DOHC)	Fel-Pro 26466PT Victor 54563	New 5.080-5.085" Min N/A	<b>HSGM24B</b>
3.0ℓ (B308) V6	00-05	L300, LS2, LW2, LW300, Vue (DOHC 24V)	Fel-Pro 26173PT Victor 54636	New 5.272-5.280" Min 5.272"	<b>HSGM30-OPEL</b>
3.5ℓ (347) V6	04-07	Vue (SOHC)	Fel-Pro 26265PT Victor 54578	New 4.762-4.766" Min 4.758"	<b>HSHO35A(2)</b>
3.5ℓ (213) V6	07-10	Aura, Vue	Fel-Pro 26324, 26325PT Victor 54648,54649	New N/A Min N/A	<b>HSGM35A (2)</b>
3.5ℓ (213) V6	05-06	Relay	Fel-Pro 26314PT Victor 54647	New N/A Min N/A	<b>HSGM35C (2)</b>
3.9ℓ (237) V6	06-07	Relay	Fel-Pro 26324, 26325PT Victor 54648,54649	New N/A Min N/A	<b>HSGM35A (2)</b>

## SUBARU

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.8ℓ (EA82) 4 Cyl.	85-94	Passenger Cars (OHC)	Fel-Pro 9392PT Victor 5714	New 3.5655" Min 3.5450"	<b>HSSU18 (2)</b>
1.8ℓ (EA81) 4 Cyl.	80-87	Passenger Cars (OHC)	Fel-Pro 8818PT Victor 3709	New 3.576-3.581" Min 3.556"	<b>HSSU18A (2)</b>
2.0ℓ (EJ20T) 4 Cyl.	02-05	Impreza, WRX (DOHC 16V)	Fel-Pro 26537PT Victor 54467	New 5.019" Min 5.007"	<b>HSSU20 (2)</b>
2.2ℓ (EJ22) 4 Cyl.	90-98	Impreza, Legacy (SOHC 16V)	Fel-Pro 9854PT Victor 5905	New 3.870" Min N/A	<b>HSSU22 (2)</b>
2.2ℓ (EJ251/53) 4 Cyl.	98-01	Impreza, Legacy (SOHC 16V)	Fel-Pro 26415PT Victor N/A	New 3.839" Min 3.834"	<b>HSSU25 (2)</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## SUBARU (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (EJ251/53) 4 Cyl.	96-11	Baja, Imprezza, Legacy, Forrester, Outback, Sport Utility (SOHC/DOHC 16V)	Fel-Pro 26167, 26170, 26415PT Victor N/A	New 3.839" Min 3.834"	<b>HSSU25 (2)</b>
2.5ℓ (EJ255/57) 4 Cyl.	06-13	Imprezza, Legacy, Forrester, Outback, Sport Utility, WRX (DOHC/TURBO 16V)	Fel-Pro 26531PT Victor N/A	New 5.020" Min MAX REMOVAL .012"	<b>HSSU25A (2)</b>
3.0ℓ (EZ30D) V6	05-09	Outback, B9 Tribeca (06-07), Legacy (08-09)	Fel-Pro 26534, 26536PT Victor 54656, 54655	New 4.878-4.882" Min N/A	<b>HSSU30L HSSU30R</b>

## SUZUKI

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.0ℓ (G10) 3 Cyl.	85-88	Forsa, SA310	Fel-Pro 9435PT Victor 5704	New N/A Min N/A	<b>HSSZ10A</b>
1.0ℓ (G10A) 3 Cyl.	92-94	Swift	Fel-Pro 9651PT Victor N/A	New N/A Min N/A	<b>HSSZ10</b>
1.3ℓ (G13A,BA) 4 Cyl.	85-01	Samurai, Sidekick, Swift (SOHC)	Fel-Pro 9623PT Victor 5759	New 3.750-3.755" Min 3.740"	<b>HSSZ13</b>
1.3ℓ (G13K) 4 Cyl.	89-01	Swift GTI (DOHC)	Fel-Pro 9623PT Victor 5759	New 5.197" Min 5.175"	<b>HSSZ13</b>
1.3ℓ (G13BB) 4 Cyl.	98-01	Swift GTI (SOHC 16V)	Fel-Pro 9623 Victor N/A	New N/A Min N/A	<b>HSSZ13A</b>
1.6ℓ (G16) 4 Cyl.	92-01	Sidekick, Swift, Esteem, X-90 (SOHC 8V & 16V)	Fel-Pro 9683PT-1 Victor 5866	New 3.750" Min 3.740"	<b>HSSZ16</b>
1.8ℓ (G18) 4 Cyl.	96-02	Esteem, Sport Sidekick (DOHC 16V)	Fel-Pro 26278PT Victor 54499	New 4.805" Min N/A"	<b>HSSZ18</b>
2.0ℓ (J20A) 4 Cyl.	99-03	Vitara, Aerio (DOHC 16V)	Fel-Pro 26278PT Victor 54499	New 4.798-4.80" Min N/A	<b>HSSZ18</b>
2.0ℓ (J20A) 4 Cyl.	07-09	SX4 (DOHC 16V)	Fel-Pro 26278PT Victor 54499	New 4.798-4.80" Min N/A	<b>HSSZ18</b>

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## SUZUKI (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (A20DMS) 4 Cyl.	04-08	Forenza, Reno (DOHC 16V)	Fel-Pro 26317PT Victor 54395A	New 5.274-5.276 Min 5.271"	<b>HSIS22</b>
2.3ℓ (J23A) 4 Cyl.	04-07	Aerio (DOHC 16V)	Fel-Pro 26279PT Victor 54500	New 4.798" Min N/A	<b>HSSZ23</b>
2.4ℓ (J24B) 4 Cyl.	09-13	Grand Vitara	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSSZ24</b>
2.5ℓ (QR25DE) 4 Cyl.	09-12	Equator (DOHC)	Fel-Pro 26520PT Victor 54594	New 5.095- 5.100" Min N/A	<b>HSNS25</b>
2.5ℓ (H25A) V6	99-05	Grand Vitara (DOHC 24V)	Fel-Pro N/A Victor N/A	New N/A Min N/A"	<b>HSSZ25L HSSZ25R</b>
2.7ℓ (H27A) V6	01-08	Grand Vitara, XL7 (DOHC 24V)	Fel-Pro N/A Victor N/A	New N/A Min N/A"	<b>HSSZ27L HSSZ27R</b>
4.0ℓ (VQ40DE) V6	09-12	Equator (DOHC 24V)	Fel-Pro 26370, 26371PT Victor 54479, 54480	New 4.972-4.980" Min N/A	<b>HSNS40L HSNS40R</b>

## TOYOTA

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.3ℓ (K3,K4) 4 Cyl.	69-89	Corolla K3 (69-77) K4 (77- 89)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSTO13</b>
1.5ℓ (3E/3EE) 4 Cyl.	87-94	Tercel (SOHC 12V)	Fel-Pro 9483PT Victor 5787	3E New 5.012-5.015 Min 5.000" 3EENew 5.002-5.005" Min 4.990"	<b>HSTO15</b>
1.5ℓ (5EFE) 4 Cyl.	92-95	Paseo (DOHC 16V)	Fel-Pro 9963PT Victor 54428	New 4.220" Min N/A	<b>HSTO15A</b>
1.5ℓ (1NZFE) 4 Cyl.	00-13	Echo, Prius, Yaris (Scoin XA, XB 04-06) (DOHC 16V)	Fel-Pro 26258PT Victor 54432	New N/A Min N/A	<b>HSTO15B</b>
1.5ℓ (3AC) 4 Cyl.	83-88	Tercel	Fel-Pro 9082PT Victor N/A	New 3.400" Min 3.425"	<b>HSTO15C</b>



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## TOYOTA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6ℓ (4AC) 4 Cyl.	83-88	Corolla, Corolla Coupe	Fel-Pro 9410PT Victor 3756	New 3.400-3.410" Min 3.385"	HSTO16
1.6ℓ (4ALC) 4 Cyl.	83-88	Corolla Sedan, Corolla Liftback, Corolla FX	Fel-Pro 9410PT Victor 3756	New 3.400-3.410" Min 3.385"	HSTO16
1.6ℓ (4AF) 4 Cyl.	88-89	Corolla	Fel-Pro 8188PT Victor 4899	New 4.570" Min 4.560"	HSTO16A
1.6ℓ (4AFE) 4 Cyl.	88-93	Corolla (>6/92), Celica ST	Fel-Pro 8188PT Victor 4899	New 4.570" Min 4.560"	HSTO16A
1.6ℓ (4AGE) 4 Cyl.	85-91	Corolla GTS, Corolla Coupe GTS, MR2	Fel-Pro 9661PT Victor 5797	New 4.568" Min 4.555"	HSTO16B
1.6ℓ (4AFE) 4 Cyl.	93-97	Corolla (DOHC 16V)	Fel-Pro 9604PT Victor 54368	N/A	HSTO16C
1.6ℓ (2TC/3TC) 4 Cyl.	71-79	Corolla, Carina (DOHC 16V)	Fel-Pro 21179PT Victor N/A	New 3.357" Min 3.377"	HSTO18C
1.8ℓ (7AFE) 4 Cyl.	93-97	Celica, Corolla (DOHC 16V)	Fel-Pro 9955PT Victor 54354	New 4.567" Min 4.557"	HSTO18
1.8ℓ (2ZZGE) 4 Cyl.	00-06	Celica, Corolla, Matrix (DOHC 16V)	Fel-Pro 26154PT Victor 54394	New 5.865" Min N/A	HSTO18A
1.8ℓ (1ZZFE) 4 Cyl.	98-08	Corolla, Celica, MR2 (DOHC 16V)	Fel-Pro 26158PT-1 Victor 54383	New 4.527" Min N/A	HSTO18B
1.8ℓ (2TC/3TC) 4 Cyl.	80-82	Corolla (DOHC 16V)	Fel-Pro 21179PT Victor N/A	New 3.357" Min 3.377"	HSTO18C
1.8ℓ (2ZRFE) 4 Cyl.	08-16	Corolla, Matrix, Prius, Lexus, Pontiac, Scion (DOHC)	Fel-Pro 26515PT Victor 54773	New 4.213" Min N/A	HSTO18D
2.0ℓ (2SELC) 4 Cyl.	83-86	Camry, Celica	Fel-Pro 9148PT Victor N/A	New 3.975-3.980" Min 3.965"	HSTO20A

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**TOYOTA (con't)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (3SFE) 4 Cyl.	87-96	Camry, Celica GT, Celica ST	Fel-Pro 9861PT Victor 4920	New 4.965" Min 4.950"	<b>HSTO20</b>
2.0ℓ (3SFE) 4 Cyl.	96-00	RAV 4	Fel-Pro 9861, 9797PT Victor 4920, 4920S	New 4.965" Min 4.950"	<b>HSTO20</b>
2.0ℓ (3SGELC) 4 Cyl.	86-89	Celica GTS	Fel-Pro 9418PT Victor N/A	New 4.695-4.699" Min N/A	<b>HSTO20B</b>
2.0ℓ (1AZFE) 4 Cyl.	01-03	RAV4 (DOHC 16V)	Fel-Pro 26160PT Victor 54443	New N/A Min N/A	<b>HSTO20C</b>
2.0ℓ (3SGTE) 4 Cyl.	88-95	Celica, MR2 (Turbo)	Fel-Pro 9853PT Victor N/A	New N/A Min N/A	<b>HSTO20D</b>
2.2 (3SFE) 4 Cyl.	90-97	Camry, Celica, MR2	Fel-Pro 9861PT Victor 4920	New 4.965" Min 4.950"	<b>HSTO20</b>
2.2ℓ (20R) 4 Cyl.	75-80	Celica, Corona, P/U	Fel-Pro 21187PT Victor N/A	New 3.960" Min N/A	<b>HSTO22A</b>
2.2ℓ (4YEC) 4 Cyl.	86-89	Van Wagon, Forklift	Fel-Pro 9417PT Victor 5708	New 4.390-4.410" Min N/A	<b>HSTO22B</b>
2.2ℓ (5SFE) 4 Cyl.	90-97	Camry, Celica, MR2	Fel-Pro 9861PT Victor 4920	New 4.963-4.967" Min 4.953"	<b>HSTO22</b>
2.4ℓ (22R/RE) 4 Cyl.	81-95	Celica, Corona, Pick Up, 4-Runner	Fel-Pro 26185PT Victor 5707, 54355	22R New 3.950-3.960" Min 3.940" 22RE New 3.79-3.80" Min 3.780"	<b>HSTO24</b>
2.4ℓ (2TZFE) 4 Cyl.	91-97	Previa (DOHC 16V) (Also Supercharged)	Fel-Pro 9831PT Victor 5890	New 5.316" Min N/A	<b>HSTO24A</b>
2.4ℓ (2RZFE) 4 Cyl.	95-04	Tacoma (DOHC 16V)	Fel-Pro 9465PT Victor 54173G	New 5.316" Min N/A	<b>HSTO24B</b>
2.4ℓ (2AZFE) 4 Cyl.	01-13	Camry, Corolla, RAV4, Matrix, Highlander, Solara; <b>SCION</b> tC, xB (05- 13)	Fel-Pro 26232PT, 26323PT Victor 54409	New 5.090" Min N/A	<b>HSTO24C</b>

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## TOYOTA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (2ARFE) 4 Cyl.	09-16	Avalon, Camry, RAV4, Scion tC (2ARFXE Not Covered)	Fel-Pro 26562, 26667PT Victor N/A	New N/A Min N/A	HSTO25A
2.5ℓ (2VZE) V6	88-91	Camry (DOHC 24V)	Fel-Pro 9656PT, 9657PT Victor 5859, 5860	New 4.805-4.810" Min 4.795"	HSTO25L HSTO25R
2.7ℓ (3RZFE) 4 Cyl.	94-04	Tacoma, 4Runner, T100 (DOHC 16V)	Fel-Pro 9465PT Victor 54173G	New 5.316" Min N/A	HSTO24B
2.7ℓ (2TRFE) 4 Cyl.	05-13	Tacoma, 4Runner (2010) (DOHC)	Fel-Pro 26357PT Victor 54534	New 5.615" Min N/A	HSTO27
2.8ℓ (5MGE) 6 Cyl.	82-88	Cressida, Celica	Fel-Pro 8969PT Victor N/A	New 3.765" Min 3.750"	HSTO28
3.0ℓ (7MGE) 6 Cyl.	86-92	Cressida, Supra, Turbo Supra	Fel-Pro 9473PT Victor 5769	New 4.570" Min 4.560"	HSTO30
3.0ℓ (3VZE) V6	88-95	Pick Up, 4-Runner, T-100 (SOHC 12V)	Fel-Pro 9815,9728 Victor 54185, 54186	New 5.312-5.315" Min 5.302"	HSTO30AL HSTO30AR
3.0ℓ (3VZFE) V6	92-93	Camry (DOHC 24V)	Fel-Pro 9904,9905 Victor 5859, 5860	New 4.800" Min 4.795"	HSTO25L HSTO25R
3.0ℓ (1MZFE) V6	98-06	Avalon, Camry, Sienna, Solara (DOHC 24V)	Fel-Pro 9201,9203, 9592, 9594PT Victor 54336, 54337	N/A	HSTO30BL HSTO30BR
3.0ℓ (1MZFE) V6	99-06	Avalon, Camry, Sienna, Highlander (DOHC 24V)	Fel-Pro 9489/90, 9592/94PT Victor 54336,54337, 54338, 54339	N/A	HSTO30CL HSTO30CR
3.0ℓ (2JZGE) 6 Cyl.	93-98	Supra (DOHC 24V)	Fel-Pro 26297PT Victor N/A	New 4.570" Min 4.560"	HSTO30D
3.3ℓ (3MZFE) V6	04-10	Camry, Highlander, Solara, Sienna (DOHC 24V)	Fel-Pro 26266PT, 26267PT Victor 54455, 54456	New 4.900" Min N/A	HSTO33L HSTO33R
3.4ℓ (5VZFE) V6	95-04	Tacoma, 4-Runner, T-100 (DOHC 24V)	Fel-Pro 9227PT1, 9229PT1 Victor 54137A, 54138A	New 4.805-4.808" Min N/A	HSTO34L HSTO34R

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## TOYOTA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.5ℓ (2GRFE) V6	05-16	Camry, Highlander, Rav4, Sienna (DOHC 24V)	Fel-Pro 26321, 26322PT Victor 54536, 54535	New N/A Min N/A	<b>HSTO35L HSTO35R</b>
4.0ℓ (1GRFE) V6	03-15	4Runner, Tacoma, Tundra (DOHC 24V)	Fel-Pro 26290, 26292, 26330 26331PT Victor 54462, 54463	New N/A Min N/A	<b>HSTO40AL HSTO40AR</b>
4.5ℓ (1FZFE) L6	93-97	Landcruiser (DOHC 24V)	Fel-Pro 26582PT Victor 54466	New 5.312-5.314" Min N/A	<b>HSTO45</b>
4.7ℓ (2UZFE) V8	98-09	4-Runner, Landcruiser, Sequoia, Tundra (DOHC 32V)	Fel-Pro 26226PT, 26227, 26298/9 Victor 54389, 54390, 54538/7	New 4.805-4.808" Min N/A	<b>HSTO47L HSTO47R</b>
5.7ℓ (3URFE) V8	07-15	Landcruiser, Sequoia, Tundra (DOHC)	Fel-Pro 26393, 26394PT Victor 54776, 54777	New 4.645-4.646" Min N/A	<b>HSTO57L HSTO57R</b>

## TRIUMPH

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.5ℓ 4 Cyl.	73-80	Spitfire ADM, ADS, FM (OHV)	Fel-Pro 21190 B PT Victor N/A	<b>N/A</b>	<b>HSTR15</b>

## VOLKSWAGEN

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6ℓ (ME) 4 Cyl.	86-92	Golf, Jetta, Diesel (16V) SOHC	Fel-Pro 9437/38 9439B-1PT Victor 5904	New 5.238" Min 5.220"	<b>HSVK16-D</b>
1.6ℓ (ME) 4 Cyl.	81-86	Golf, Jetta, Rabbit, Diesel (16V) SOHC	Fel-Pro 8841,8844, 8845PT Victor 3730, 3766	New 5.238" Min 5.220"	<b>HSVK16-D2</b>
1.8ℓ (Various) 4 Cyl.	83-98	Rabbit, Jetta, Cabriolet, Scirocco, Golf, Quantum, Fox, Passat (SOHC & DOHC) (Water Cooled)	Fel-Pro 9090PT Victor 3758	New 5.238" Min 5.215"	<b>HSVK18</b>
1.8ℓ (AEB) 4 Cyl.	98-06	Passat, Golf, Jetta, New Beetle (20V DOHC) (Turbo included)	Fel-Pro 26182PT Victor 54397	New 5.493" Min 5.480"	<b>HSVK18A</b>
1.9ℓ (AAZ) 4 Cyl.	96-06	Golf, Jetta, Beetle (SOHC Turbo) Diesel	Fel-Pro 26143, 26445,26446PT Victor 54543	New N/A Min N/A	<b>HSVK19D</b>

# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## VOLKSWAGEN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.9ℓ (AHU) 4 Cyl.	96-98	Golf, Jetta, Beetle (SOHC Turbo) Diesel	Fel-Pro 26444PT Victor 54435	New N/A Min N/A	<b>HSVK19AD</b>
2.0ℓ (AAZ) 4 Cyl.	04	Jetta (SOHC Turbo) Diesel	Fel-Pro 26143PT Victor 54543	New N/A Min N/A	<b>HSVK19D</b>
2.0ℓ 4 Cyl.	90-94	Golf, Jetta, Passat (DOHC) (Water Cooled)	Fel-Pro 9570PT Victor 5872	New 4.660" Min 4.650"	<b>HSVK20</b>
2.0ℓ (ABA) 4 Cyl.	93-02	Golf, Jetta, Passat, Cabrio (SOHC)	Fel-Pro 26164PT Victor 54330	New 5.231" Min 5.221"	<b>HSVK20A</b>
2.0ℓ (AEG) 4 Cyl.	98-06	New Beetle (98-05), Golf(99-06), Jetta (99-05)	Fel-Pro 26161PT Victor 54381	New 5.242" Min 5.220"	<b>HSVK20B</b>
2.0ℓ (BPY) 4 Cyl.	06-11	Eos, GTI, Jetta, Passat (Belt driven)	Fel-Pro 26318PT Victor 54601	New 5.496" Min N/A	<b>HSVK20C</b>
2.0ℓ (BPY) 4 Cyl.	08-16	Eos, GTI, Jetta, Passat Tiguan (Chain driven)	Fel-Pro 26455PT Victor 54738 Beck/Arnley 035-2117	New 5.496" Min N/A	<b>HSVK20D</b>
2.1ℓ (KM/WE) 5 Cyl.	84	Quantum	Fel-Pro N/A Victor N/A	New 5.236" Min 5.226"	<b>HSVK22</b>
2.2ℓ (KX/JT) 5 Cyl.	85-88	Quantum	Fel-Pro 9282B Victor N/A	New 5.236" Min 5.226"	<b>HSVK22A</b>
2.4ℓ (AJA/AAB) 5 Cyl.	97-03	Transporter (Diesel) (SOHC)	Fel-Pro N/A Victor N/A	New N/A Min N/A	<b>HSVK24D</b>
2.5ℓ (AAF) 5 Cyl.	90-00	Eurovan/Transporter	Fel-Pro N/A Victor N/A	New 5.230" Min 5.220"	<b>HSVK25</b>
2.5ℓ ( ) 5 Cyl.	05-09	Beetle, Rabbit, Jetta (05-09) (DOHC)	Fel-Pro 26388PT Victor N/A	New N/A Min N/A	<b>HSVK25A</b>
2.8ℓ (AAA) 6 Cyl.	92-02	Corrado, Golf, Passat, Jetta (VR6)	Fel-Pro 26140PT Victor 54343	New 5.492-5.515" Min 5.492"	<b>HSVK28</b>

## INNOVATIVE MACHINE & SUPPLY - 800 736 1875

### VOLKSWAGEN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.8ℓ (AXK) 6 Cyl.	01-05	Eurovan, Golf, Jetta (VR6)	Fel-Pro 26142PT Victor	New 5.492-5.515" Min 5.492"	<b>HSVK28A</b>
2.8ℓ (AHA) V6	98-05	Passat (30V DOHC)	Fel-Pro 26328PT Victor 54624	New 5.495" Min 5.482"	<b>HSAU28A (2)</b>
3.2ℓ (195) 6 Cyl.	04-08	Golf, Touareg	Fel-Pro 26648PT Victor 54629	New N/A Min N/A	<b>HSVK32</b>
3.6ℓ (220) V6	11-14	Routan (SOHC 24V)	Fel-Pro 26542PT, 26541PT Victor 54880, 54879	New N/A Min N/A	<b>HSCH36L HSCH36R</b>
4.0ℓ (241) V6	09-10	Routan (SOHC 24V) (Vin G)	Fel-Pro 26208 26209PT Victor 54371,54372	New 4.7392-4.749" Min 4.7312"	<b>HSCH35A (2)</b>

### VOLVO

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.9ℓ (B4204) 4 Cyl.	01-04	S40, V40	Fel-Pro 26641PT Victor 54551	New 5.077-5.081" Min 5.0652"	<b>HSVO20B</b>
2.0ℓ (B20) 4 Cyl.	69-74	142, 144, 145, 1800	Fel-Pro HS21176B Victor 54976	New 3.413" Min N/A	<b>HSVO20</b>
2.3ℓ (B23) 4 Cyl.	81-95	240, 740, 940, 240 Turbo, 740 Turbo, 940 Turbo	Fel-Pro 8190PT Victor 5727	New 5.753" Min 5.732"	<b>HSVO23</b>
2.3ℓ (B23) 5 Cyl.	94-99	C70, S70, V70, 850 (DOHC)	Fel-Pro 26203, 26204PT Victor 54567	New 5.076-5.080" Min 5.067"	<b>HSVO24A</b>
2.3ℓ (BT) 5 Cyl.	94-04	850, S60, C70, S70, V70 Turbo	Fel-Pro 26204, 26205PT Victor 54567, 54552	New 5.076-5.080" Min 5.065"	<b>HSVO23A</b>
2.4ℓ (B5244T) 5 Cyl.	98-09	S60, C70, S70, V70 Turbo	Fel-Pro 26204, 26205PT Victor 54567, 54552, 54554	New 5.076-5.080" Min 5.065"	<b>HSVO23A</b>

## INNOVATIVE MACHINE & SUPPLY - 800 736 1875

### VOLVO (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.4ℓ (B5244S) 5 Cyl.	93-07	850, S40, S60, S70, V70, C70 (10V) (DOHC)	Fel-Pro 26203,26204, 26256PT Victor 54567, 54552, 54570	New 5.076-5.080" Min 5.067"	<b>HSVO24A</b>
2.5ℓ (B5254T) 5 Cyl.	04-06	V70, S80 Turbo	Fel-Pro 26205PT Victor 54552	New 5.076-5.080" Min 5.065"	<b>HSVO23A</b>
2.5ℓ (B5245T) 5 Cyl.	01-09	S60, V70, XC70, XC90 (10V) (DOHC)	Fel-Pro 26256PT Victor 54552	New 5.076-5.080" Min 5.067"	<b>HSVO24A</b>
2.5ℓ (B5254T2) 5 Cyl.	04-11	C30,C70,S40,V50 (DOHC)	Fel-Pro N/A Victor 54549	New 5.076-5.080" Min 5.065"	<b>HSVO24B</b>
2.5ℓ (B5254T3) 5 Cyl.	04-11	C70,S40,V50 (DOHC)	Fel-Pro 26640PT Victor 54547	New 5.076-5.080" Min 5.065"	<b>HSVO25</b>
2.5ℓ (B5254T2) 5 Cyl.	03-09	S60, V70, XC70, XC90 (DOHC)	Fel-Pro 26256PT Victor 54548	New 5.076-5.080" Min 5.065"	<b>HSVO25A</b>
2.8ℓ (B6284) 6 Cyl.	99-01	S80	Fel-Pro 26577PT Victor 54555	New 5.076-5.080" Min 5.066"	<b>HSVO28</b>
2.9ℓ (B6294T) 6 Cyl.	00-05	S80, XC90	Fel-Pro 26574, 26576PT Victor 54550, 54553	New 5.077-5.081" Min 5.065"	<b>HSVO29</b>
2.9ℓ (B6304) 6 Cyl.	92-99	S80, 960, S90, V90 (DOHC)	Fel-Pro 26578PT Victor 54568	New 5.076-5.080" Min 5.064"	<b>HSVO30</b>
3.2ℓ (B6324S) 6 Cyl.	07-10	S80, V70, XC70, XC90	Fel-Pro 26602PT Victor 54645	New N/A Min N/A	<b>HSVO32</b>

### **WAUKESHA** *(copper gaskets available for all listings)*

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.2ℓ (194) 6 Cyl.		Industrial 185GA Gas & Diesel	Fel-Pro 7411B Victor	New Min	<b>HSWAU216</b>

**INNOVATIVE MACHINE & SUPPLY - 800 736 1875**

**WAUKESHA (con't) (copper gaskets available for all listings)**

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.5ℓ (216) 6 Cyl.		Industrial 185GL Gas & Diesel	Fel-Pro 7411B Victor	New Min	<b>HSWAU216</b>
3.8ℓ (231) 6 Cyl.		Tractor Oliver 88 Gas & Diesel	Fel-Pro 7641B Victor	New Min	<b>HSWAU231</b>
3.8ℓ (232) 6 Cyl.		Industrial VR232 Gas & Diesel Tractor Oliver 1550	Fel-Pro 7411B Victor	New Min	<b>HSWAU216</b>
4.3ℓ (265) 6 Cyl.		Industrial 190GL Tractor Oliver 88	Fel-Pro 7641B Victor	New Min	<b>HSWAU231</b>
5.0ℓ (302) 6 Cyl.		Industrial 195GL	Fel-Pro 7856S Victor	New Min	<b>HSWAU320</b>
5.1ℓ (310) 6 Cyl.		Industrial VRG310	Fel-Pro 8071B Victor	New Min	<b>HSWAU310</b>
5.2ℓ (320) 6 Cyl.		Industrial 195GK	Fel-Pro 7856S Victor	New Min	<b>HSWAU320</b>



# INNOVATIVE MACHINE & SUPPLY - 800 736 1875

## PERFORMANCE

Engine	Matches	Applications	Notes	Shim No.
<b>Buick</b> V6 Small Block	<i>Fel Pro</i> 1000	Buick Performance 1000 (196, 231, 252)		<b>HSGM1000</b>
<b>Chevrolet</b> V8 Small Block	<i>Fel Pro</i> 1003	262, 265, 283, 302, 307, 327, 350, 400 & Race Eng	No steam holes Race engine up to 4.155" bore. Gasket bore – 4.166"	<b>HSGM1003</b>
<b>Chevrolet</b> V8 Small Block	<i>Fel Pro</i> 1004	262, 265, 283, 302, 307, 327, 350, 400 & Race Eng	No steam holes Gasket bore – 4.190"	<b>HSGM1004</b>
<b>Chevrolet</b> V8 Small Block	<i>Fel Pro</i> 1034	262, 265, 283, 302, 307, 327, 350, 400 & Race Eng	No steam holes Gasket bore – 4.200"	<b>HSGM1034</b>
<b>Chevrolet</b> V8 Small Block	<i>Fel Pro</i> 1044	262, 265, 283, 302, 307, 327, 350, 400 & Race Eng	Steam holes included Gasket bore – 4.200"	<b>HSGM1044</b>
<b>Chevrolet</b> V8 Big Block	<i>Fel Pro</i> 1017	396, 402, 427, 454 (1965- 84), 454 GEN (Mark) IV	End coolant holes both open Lower coolant holes all open Gasket bore – 4.540"	<b>HSGM1017</b>
<b>Chevrolet</b> V8 Big Block	<i>Fel Pro</i> 1093	396, 402, 427, 454 (1965- 84), 454 GEN (Mark) IV	End coolant holes both open Lower coolant holes all open Round bore. (For Pro Stock) Gasket bore – 4.620"	<b>HSGM1093</b>
<b>Chrysler</b> V8	<i>Fel Pro</i> 1008	273, 318, 340, 360	Gasket bore – 4.180"	<b>HSCH1008</b>
<b>Chrysler</b> V8	<i>Fel Pro</i> 1009	361, 383, 400, 413, 426, 440	Gasket bore – 4.410"	<b>HSCH1009</b>
<b>Chrysler</b> V8	<i>Fel Pro</i> 1039	Chrysler Wedge, Hemi	Large bore & modifications required to fit Hemi. Gasket bore – 4.590"	<b>HSCH1039</b>
<b>Ford 4 Cyl.</b>	<i>Fel Pro</i> 1035	2.3 Liter (Inline Design)	Gasket bore – 3.930"	<b>HSFO1035</b>
<b>Ford V6</b>	<i>Fel Pro</i> 1024	240, 300 (Inline Design)	Gasket bore – 4.180"	<b>HSFO1024</b>
<b>Ford V8</b>	<i>Fel Pro</i> 1021	302 "Boss", 302 SVO, 351W	Not with large overbore Gasket bore – 4.100"	<b>HSFO1021</b>
<b>Ford V8</b>	<i>Fel Pro</i> 1046	302 SVO, 351W	Gasket bore – 4.200"	<b>HSFO1046</b>
<b>Ford V8</b>	<i>Fel Pro</i> 1020	390, 406, 427, 428 CJ, 428 SCJ	Gasket bore – 4.400"	<b>HSFO1020</b>
<b>Pontiac V8</b> Big Block	<i>Fel Pro</i> 1016	389, 400, 421, 428, 455	Gasket bore – 4.300"	<b>HSGM1016</b>

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## NOTES