

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](#).

- **CATALOG VERSION 16.03 – Updated June 2017**
- **ALL SHIMS ALSO AVAILBLE 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"	HSAC16
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"	HSHO16
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"	HSHO16
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"	HSAC18
2.0ℓ (K20A) 4 Cyl.	02-06	RSX (DOHC 16V) (K20A3)	Fel-Pro 26403PT Victor 54521	New 4.092-4.098" Min 4.090"	HSHO20C
2.2ℓ (F22B) 4 Cyl.	97	CL (SOHC 16V) (VTEC)	Fel-Pro 9958PT1 Victor 54216	New 3.935-3.939" Min 3.932"	HSHO23A
2.3ℓ (F23A) 4 Cyl.	98-99	CL (SOHC 16V) (VTEC)	Fel-Pro 9958PT1 Victor 54216	New 3.935-3.939" Min 3.932"	HSHO23A
2.3ℓ (K23A1) 4 Cyl.	07-12	RDX (TURBO)	Fel-Pro N/A Victor N/A	New 4.092-4.096" Min N/A	HSAC23
2.4ℓ (K24A2) 4 Cyl.	04-08	TSX (DOHC 16V)	Fel-Pro 26337PT Victor 54523	New 4.093-4.096" Min 4.087"	HSHO24
2.4ℓ (K24Z3) 4 Cyl.	09-13	ILX, TSX (DOHC 16V)	Fel-Pro 26435PT Victor 54772	New 4.093-4.096" Min 4.086"	HSHO24A
2.7ℓ (C27A) V6	87-90	Legend (SOHC 24V)	Fel-Pro 9531PT Victor 5773	New 5.2362" Min 5.2282"	HSHO27 (2)
3.0ℓ (J30A) V6	97-99	CL (SOHC 24V)	Fel-Pro 26196PT Victor 54217	New 4.762-4.766" Min N/A	HSHO30 (2)
3.2ℓ (6VD1) V6	96-97	SLX (SOHC 24V)	Fel-Pro 9174PT Victor 54038	New 4.126" Min 4.118"	HSIS32 (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

ACURA

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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"	HSAC32L HSAC32R
3.2l (J32A) V6	99-03	TL, CL (VTEC) (SOHC 24V)	Fel-Pro 26260PT Victor 54524	New 4.762-4.766" Min 4.758"	HSHO35 (2)
3.2l (J32A) V6	04-08	TL (VTEC) (SOHC 24V)	Fel-Pro 26565PT Victor 54578	New 4.762-4.766" Min 4.758"	HSHO35A (2)
3.5l (J35A) V6	03-06	MDX (SOHC)	Fel-Pro 26565PT Victor 54578	New 4.762-4.766" Min 4.758"	HSHO35A(2)
3.5l (J35A) V6	05-08	RL, TL (SOHC)	Fel-Pro 26329PT Victor 54530	New 4.762-4.766" Min 4.758"	HSHO35A(2)
3.5l (J35A7,Z2) V6	09-13	RDX, TL, TSX (SOHC)	Fel-Pro 26509/10PT Victor 54755,54756	New 4.762-4.766" Min 4.758"	HSHO35B(2)
3.5l (6VE1) V6	98-01	SLX (DOHC 24V)	Fel-Pro 9256,9254PT Victor 54410,54411	New 5.236" Min N/A	HSIS32A (2)
3.5l (C35A) V6	96-04	RL (SOHC 24V)	Fel-Pro 9031,9032PT Victor 5915,5916	New 3.935-3.939" Min 3.927"	HSAC32L HSAC32R
3.5l (J35A) V6	99-04	MDX (VTEC)(SOHC 24V)	Fel-Pro 26260PT Victor N/A	New 4.762-4.766" Min 4.758"	HSHO35 (2)

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	HSAL201
3.8l 4 Cyl		Tractor 230, 262	Fel-Pro 7805B Victor 3293	New N/A Min N/A	HSAL230
4.9l 4 Cyl		Tractor 265, 301	Fel-Pro 8289B Victor 3803	New N/A Min N/A	HSAL301

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

AMC

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

AUDI

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6ℓ (ME) 4 Cyl.	82-83	4000, Diesel (16V) SOHC	Fel-Pro 8841,8844, 8845PT Victor 3730, 3766	New 5.238" Min 5.220"	HSVK16-D2
1.8ℓ (JN, MG) 4 Cyl.	84-87	4000 (SOHC 8V) (Water Cooled)	Fel-Pro 9090PT Victor 3758	New 5.238" Min 5.215"	HSVK18
1.8ℓ (AEB) 4 Cyl.	97-06	A4, TT, Quattro (20V DOHC) (Turbo included)	Fel-Pro 26182PT Victor 54397	New 5.493" Min 5.480"	HSVK18A
2.0ℓ (3A) 4 Cyl.	88-90	80, 90	Fel-Pro 9570PT Victor 5872	New 5.215-5.230" Min 5.205"	HSVK20
2.0ℓ (AB) 4 Cyl.	92-96	80, 80 Quattro, 100, Coupe, A6 (16V)	Fel-Pro 26164PT Victor 54330	New 5.5120" Min 5.4940"	HSVK20A
2.1ℓ (WD) 5 Cyl.	76-91	100, 200, 80, Quattro, Coupe (WD, WE, WU, KH) (SOHC)	Fel-Pro N/A Victor N/A	New 5.236" Min 5.226"	HSVK22
2.1ℓ (WU) 5 Cyl.	84-91	200, 4000, 5000 Quattro (SOHC)	Fel-Pro 9282B Victor N/A	New 5.236" Min 5.226"	HSVK22A
2.2ℓ (JT/KX) 5 Cyl.	84-85	Coupe, 4000, 5000, 5000 Turbo (Quattro) (SOHC)	Fel-Pro 21211PT Victor 3657	New 5.236" Min 5.226"	HSVK22
2.2ℓ (KZ/MC) 5 Cyl.	84-91	200, 200 Quattro, 4000, 5000, Coupe Turbo	Fel-Pro 9282B Victor N/A	New 5.236" Min 5.226"	HSVK22A
2.2ℓ (AAN) 5 Cyl.	91-97	S4, S6 (Turbo) (DOHC)	Fel-Pro N/A Victor N/A	New 4.650" Min N/A <small>Measure from Center of Valve Stem Top Edge of Head.</small>	HSVK22B

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

AUDI (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.6/2.8l (AAH/AHA) V6	90-97	A4, A6, Quattro	Fel-Pro 26328PT Victor 54624	New 5.495" Min 5.482"	HSAU28 (2)
2.7l (APB) 6 Cyl.	00-05	A6 Quattro, Allroad, S4 (Turbo) (30V DOHC)	Fel-Pro 26607PT Victor 54716	New N/A Min 5.482"	HSAU27
2.8l (ACK) V6	95-00	A4, A6, A8, Quattro (30V DOHC)	Fel-Pro 26328PT Victor	New Min	HSAU28A (2)
3.2l (195) 6 Cyl.	04-09	A3 Quattro, TT Quattro	Fel-Pro 26648PT Victor 54629	New N/A Min N/A	HSVK32

BMW

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.3l (W10B16) 4 Cyl.	02-06	One (16V SOHC)	Fel-Pro Victor	New 3.820" Min	HSBM16
1.6l (W11B16) 4 Cyl.	02-06	Minicooper (16V SOHC)	Fel-Pro 26382PT Victor 54438	New 3.820" Min	HSBM16
1.6l (N14B16) 4 Cyl.	07-10	Minicooper (16V SOHC)	Fel-Pro 26458PT Victor 54783	New Min	HSBM16B
1.8l (M10) 4 Cyl.	80-85	318i, 320i	Fel-Pro 21212 B Victor 3651	New 5.085-5.090" Min 5.063"	HSBM18
1.8l (M42) 4 Cyl.	89-95	318i	Fel-Pro N/A Victor 54682	New 5.508-5.516" Min 5.494"	HSBM18A
1.9l (M44) 4 Cyl.	96-99	318i, Z3	Fel-Pro 26585PT Victor 54728	New 5.508-5.516" Min 5.494"	HSBM18A
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"	HSBM18
2.0l (S14) 4 Cyl.	88-	320i-S (16V)	Fel-Pro N/A Victor N/A	New 3.778-3.779" Min 3.765"	HSBM23

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

BMW (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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"	HSBM23
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"	HSBM24D
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"	HSBM25
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	HSBM25A
2.5ℓ (M54) 6 Cyl.	99-06	325I, 525I (DOHC 24V)	Fel-Pro 26245 Victor 54414	New 140 mm Min 139.7 mm	HSBM25C
2.7ℓ (M20) 6 Cyl.	82-89	325E, 525E, 528E	Fel-Pro 9397B Victor 4839	New 4.935-4.940" Min 4.909"	HSBM25
2.8ℓ (M54) 6 Cyl.	99-06	328CI, 528I, Z3 (DOHC 24V)	Fel-Pro 26245 Victor 54414	New 140 mm Min 139.7 mm	HSBM25C
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	HSBM25A
2.8ℓ () 6 Cyl.	79-81	528I, 628I, 728I	Fel-Pro 9099B Victor 3650	New 5.085-5.090" Min 5.063"	HSBM28
3.0ℓ (M54) 6 Cyl.	99-06	330CI, 525I, X3 (DOHC 24V)	Fel-Pro 26245 Victor 54414	New 140 mm Min 139.7 mm	HSBM25C
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"	HSBM34
3.5ℓ (M30) 6 Cyl.	83-93	535I, 635Csi, 735I (DOHC)	Fel-Pro 26580PT Victor 4863	New 3.788-3.779" Min 3.766"	HSBM35
4.0ℓ (M60) V8	93-95	540I, 740I (DOHC 32V)	Fel-Pro 26342, 26343PT Victor 54725, 54726	New 5.510" Min 5.500"	HSBM40L HSBM40R

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

CADILLAC

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.8ℓ (173) V6.	85-88	Passenger Cars	Fel-Pro 8699PT-2, 9471PT Victor 3549, 3793	New 3.585-3.595" Min 3.575"	HSGM28 (2)
3.0ℓ (181) V6	97-01	Catera (DOHC 24V) (Vin R)	Fel-Pro 26189,26173 Victor 54636	New 5.272-5.280" Min 5.272"	HSGM30-OPEL
4.1ℓ ()		Using Aftermarket Gasket	Fel-Pro 8753PT-1 Victor 5781	N/A	HSCD41
4.1ℓ (252) V8	82-88	Using Aftermarket Gasket	Fel-Pro 8753PT-1 Victor 5781	N/A	HSCD49 (2)
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 Northstar 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	90-93	Passenger Cars	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
7.7/8.2ℓ (472,500) V8	68-76	Passenger Cars	Fel-Pro 8255PT Victor	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

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

CATERPILLAR (con't)

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

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"	HSMT15
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"	HSMT15
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"	HSMT15
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"	HSMT20B
1.8ℓ (107) 4 Cyl.	89-94	Laser, Colt (SOHC 8V)	Fel-Pro 9846PT Victor 5812	New 3.484" Min 3.476"	HSMT18A
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"	HSMT18B
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"	HSMT20B
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"	HSMT20B
2.0ℓ (122) 4 Cyl.	89-94	Laser (DOHC 16V) (4G63)	Fel-Pro 9627PT Victor 5875	New 5.1968-5.201" Min 5.188"	HSMT20B
2.0ℓ (G52B) 4 Cyl.	74-79	Passenger Cars & Light Trucks (4G52 <i>also</i>)	Fel-Pro 8788B Victor	New 5.193-5.201" Min 5.185"	HSMT20C
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"	HSCH20

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

CHRYSLER (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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"	HSCH20A
2.0ℓ (122) 4 Cyl.	07-13	Caliber (DOHC 16V)	Fel-Pro 26557PT Victor N/A	New N/A Min N/A	HSCH24C
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"	HSCH22
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"	HSMT24
2.4ℓ (144) 4 Cyl.	92	Colt Vista (SOHC 8V)	Fel-Pro 9388PT Victor 5747	New 3.543-3.548" Min 3.5230"	HSMT24
2.4ℓ (144) 4 Cyl.	93-95	Colt Vista (SOHC 16V)	Fel-Pro 9932PT Victor 54119G	New 4.720-4.728" Min 4.712"	HSMT24A
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	HSCH24C
2.4ℓ (146) 4 Cyl.	95-01	Caravan, Passenger Cars (DOHC 16V)	Fel-Pro 9924PT Victor 54044	New 5.428-5.430" Min 5.4035"	HSCH24
2.4ℓ (148) 4 Cyl.	02-10	Caravan, Passenger Cars (DOHC 16V)	Fel-Pro 26206, 26202PT Victor 54420	New 5.4115-5.4193" Min 5.4035"	HSCH24A
2.4ℓ (146) 4 Cyl.	01	PT Cruiser (DOHC 16V) (SINGLE YEAR APPLICATION)	Fel-Pro 9946PT Victor 54403	New 5.428-5.430" Min 5.4035"	HSCH24B
2.4ℓ (4G64) 4 Cyl.	01-05	Stratus (Coupe), Sebring (SOHC 16V)	Fel-Pro 26172PT Victor 54329	New 4.720-4.730" Min 4.712"	HSMT24B
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"	HSCH22
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"	HSCH25 (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

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"	HSCH25A (2)
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"	HSMT26
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	HSCH27L HSCH27R
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"	HSMT30 (2)
3.0ℓ (6G72) V6	91-96	Stealth (DOHC)	Fel-Pro 9842, 26186PT Victor 54492	New 5.200-5.210" Min 5.1888"	HSMT30A (2)
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"	HSVO30L HSVO30R
3.0ℓ (6G72) V6 (24V)	01-05	Sebring, Stratus (SOHC)	Fel-Pro 9537PT Victor NA	New 5.200-5.210" Min 5.1888"	HSMT30A (2)
3.2ℓ (197) V6	98-01	Concord, Intrepid, (SOHC-24V)	Fel-Pro 9425, 9455PT Victor N/A	New N/A Min N/A	HSCH32
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"	HSCH33L HSCH33R
3.3ℓ (202) V6	01-10	Caravan, Voyager	Fel-Pro 9978, 9981PT Victor 54322, 54323	New 4.248-4.253" Min 4.240"	HSCH33A (2)
3.5ℓ (215) V6	93-97	<i>Passenger Cars</i> (SOHC 24V) Vin F	Fel-Pro 9926, 9927 Victor 5979, 5978	New 4.7392-4.749" Min 4.7312"	HSCH35L HSCH35R
3.5ℓ (215) V6	99-10	<i>Passenger Cars</i> (SOHC 24V) Vin G, M	Fel-Pro 9507/9505, 26208/26209PT Victor 54112/54113 54371/54372	New 4.7392-4.749" Min 4.7312"	HSCH35A (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

CHRYSLER (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.7ℓ (226) V6	02-11	Light Truck (SOHC 12V)	Fel-Pro 26229PT Victor 54250	New 4.592" Min N/A	HSCH37 (2)
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	HSCH38L HSCH38R
3.8ℓ (231) V6	01-09	Light Truck VIN L	Fel-Pro 9996, 9997 Victor 54324, 54325	New .945" Min N/A	HSCH38AL HSCH38AR
3.9ℓ (238) V6	87-91	Dodge V6 Truck	Fel-Pro 9111PT Victor 5741	N/A	HSCH39A (2)
3.9ℓ (239) V6	92-03	Dodge V6 Truck (Magnum)	Fel-Pro 9910PT Victor 5941	N/A	HSCH39 (2)
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"	HSCH35A (2)
(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	HSCH242
4.7ℓ (285/287) V8	00-12	Dodge, Ram, Light Truck (SOHC 16V)	Fel-Pro 26157PT Victor 54237	New 4.585-4.592" Min 4.585"	HSCH47 (2)
5.2ℓ (318) V8	67-92	Passenger Car & Light Truck (Non Magnum)	Fel-Pro 8553PT Victor 3536	N/A	HSCH52 (2)
5.2ℓ (318/360) V8	91-03	Dodge V8 Truck (Magnum)	Fel-Pro 9898PT Victor 5940	N/A	HSCH52A (2)
340 V8	68-73	Passenger Car & Light Truck	Fel-Pro 8553PT Victor 3536	N/A	HSCH52 (2)
5.7ℓ (345) V8	03-16	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)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

CHRYSLER (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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) V6	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) V6	98-09	Ram 2500, 3500 Cummins (Diesel)	Fel-Pro 9522PT, Victor 54174	New 4.140" Min 4.124"	HSCH59DA
6.1ℓ (370) V8	05-10	300, Dodge, Jeep	Fel-Pro 26366PT Victor 54734	New 2.761" Min N/A	HSCH61 (2)
6.7ℓ () V6	07-14	B Series, Ram 2500, 3500, ISB Cummins (Diesel)	Fel-Pro N/A 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)

CUSHMAN

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

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

DAEWOO

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

FIAT

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

FORD

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.3ℓ (81) 4 Cyl.	88-97	Festiva, Aspire (Mazda Eng.)	Fel-Pro 9555 Victor 5880	New 4.228-4.236" Min 4.220"	HSFO13
1.6ℓ (98/116) 4 Cyl.	81-85	Escort, EXP, LN7, Lynx	Fel-Pro 9309PT-2 Victor 5739	New 5.080" Min 5.055"	HSFO19
1.6ℓ (B6) 4 Cyl.	86-89	Tracer (SOHC)	Fel-Pro 9461PT Victor 5736	New 4.228-4.236" Min 4.220"	HSMZ16
1.6ℓ (B6E) 4 Cyl.	90-94	Capri (DOHC) (Turbo included)	Fel-Pro 9691PT Victor 5868	New 5.268-5.2767" Min 5.2677"	HSMZ16A
1.8ℓ (112) 4 Cyl.	91-96	Escort, Tracer (DOHC)	Fel-Pro 9717PT Victor 5878	New 5.2681-5.2759" Min 5.2767"	HSMZ18
1.9ℓ (116) 4 Cyl.	85-96	Escort, EXP, Lynx	Fel-Pro 9309PT-2 Victor 5884	New 5.080" Min 5.055"	HSFO19
2.0ℓ (MA) 4 Cyl.	79-82	Courier (SOHC)	Fel-Pro 8502PT Victor N/A	New 3.815" Min 3.795"	HSMZ16-MA

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

FORD (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (121) 4 Cyl.	97-99	Escort, Tracer (SOHC)	Fel-Pro 9309PT-2 Victor 54227	New 5.075-5.085" Min 5.065"	HSFO19
2.0ℓ (RF) 4 Cyl.	84-87	Passenger Car (SOHC) (Diesel)	Fel-Pro NA Victor NA	New 5.277-5.290" Min N/A	HSMZ20-D1
2.0ℓ (FS) 4 Cyl.	93-97	Probe (DOHC 16V)	Fel-Pro 9711PT Victor 5942	New 4.8996-4.9035" Min 4.8936"	HSMZ20A
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"	HSFO20
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"	HSFO20A
2.0ℓ (122) 4 Cyl.	05-11	Passenger Cars & Light Trucks (Duratec) (DOHC 16V)	Fel-Pro 26250PT Victor 54516	New N/A Min N/A	HSMZ23A
2.2ℓ (134) 4 Cyl.	89-92	Probe, Probe Turbo (12V)	Fel-Pro 9572PT Victor 5851	New 3.620-3.624" Min 3.612"	HSMZ22A
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	HSFO23
2.3ℓ (138) 4 Cyl.	03-11	Passenger Cars & Light Trucks (Duratec) (DOHC 16V)	Fel-Pro 26250, 26316PT Victor 54516,54729	New N/A Min N/A	HSMZ23A
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 () 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

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

FORD (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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	Passenger Cars, Light Trucks	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 (Duratec)(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	86-06	Pass Car, Light Truck (OHV) (incl. Windstar)	Fel-Pro 9885 Victor 5891	New 3.620-3.630" Min N/A	HSFO30B (2)
3.3ℓ (200) 4 Cyl	28-34	Model A/B	Fel-Pro 7012B Victor N/A	New Min	HSFOMODELA/B
3.3ℓ (VG33E) V6	99-02	Villager (SOHC 12V)	Fel-Pro 26219PT Victor N/A	New 4.205-4.220" Min N/A"	HSNS33 (2)
3.3ℓ (200) L6	63-83	Passenger Car	Fel-Pro 7916 Victor 3910	N/A	HSFO200
3.4ℓ (207) V6	96-99	Taurus (Yamaha Eng.)	Fel-Pro N/A Victor N/A	N/A	HSFO34L HSFO34R
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	HSFO221
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"	HSFO38A (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

FORD (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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"	HSFO38A (2)
3.8ℓ (232) V6	96	Windstar	Fel-Pro 9234PT Victor 5786	N/A	HSFO38D (2)
3.8ℓ (232) V6	97-98	Mustang (RWD)	Fel-Pro 9262,9263PT Victor 54178,54177	N/A	HSFO38BL HSFO38BR
3.8ℓ (232) V6	97-03	Mustang, Windstar Truck (97-03), Car (99- 04)	Fel-Pro 9250,9253PT Victor 54176,54175	N/A	HSFO38C (2)
3.9ℓ (239) V8	39-48	Flat Head - "24 Stud" (2 may be required)	Fel-Pro 7548B Victor 1026	N/A	HSFO239-7548
3.9ℓ (239) V8	49-53	Flat Head	Fel-Pro 7525, 7526 Victor 1084,1085	N/A	HSFO239-7525 HSFO239-7526
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) <i>Strght 6</i>	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	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)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

FORD (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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	91-10	Passenger Car, Light Truck (SOHC & DOHC)	Fel-Pro 9790PT-2 9792PT-2, 26306 26307PT 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
4.7ℓ (289) V8	66-69	Passenger Car, Light Truck	Fel-Pro 8548PT-2 Victor 3428	N/A	HSFO58A (2)
4.9ℓ (300) Strght 6	65-97	Light Truck	Fel-Pro 8168PT Victor 3824	New 3.700" Min N/A	HSFO49
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	N/A	HSFO58A (2)
5.4ℓ (330) V8	97-12	Passenger Car, Light Truck, VIN 8 (SOHC & DOHC)	Fel-Pro 9792PT-2, 9790PT-2, 26307PT 26306PT Victor 54232/3, 54457/8	New 5.310-5.312" Min 5.298"	HSFO46L HSFO46R
5.4ℓ (330) V8	04-12	Light Truck (SOHC) (16V Triton) 2 Valve Vin A, X, 6, L	Fel-Pro 26306, 26307PT, Victor 54400, 54401	New 5.310-5.312" Min 5.298"	HSFO54L HSFO54R
5.8ℓ (351C) V8	70-74	Passenger Car, Light Truck	Fel-Pro 8347PT-1 Victor 3502	N/A	HSFO58 (2)
5.8ℓ (351M) V8	75-82	Passenger Car, Light Truck	Fel-Pro 8347PT-1 Victor 3502	N/A	HSFO58 (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

FORD (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
5.8ℓ (351W) V8	69-97	Passenger Car, Light Truck	Fel-Pro 8548PT-2 Victor 3428	N/A	HSFO58A (2)
5.8ℓ (352, etc.) V8	58-76	Passenger Car, Light Truck (332, 352, 360, 390, 406, 410, 427, 428)	Fel-Pro 8554 Victor 3389	N/A	HSFO58B (2)
6.0ℓ (365) V8	03-10	Light Truck (Diesel-32V) PowerStroke (Navistar) (Specify 18mm or 20 mm dowel pin hole)	Fel-Pro 26374, 26375PT Victor 54579A	New 3.738-3.74" Min 3.738-3.74"	HSFO60D (2)
6.1ℓ (370) V8	79-91	Truck	Fel-Pro 8559PT-1 Victor 3979	N/A	HSFO370 (2)
6.4ℓ (390) V8	08-10	F-Series (full size pick-up truck) PowerStroke Diesel	Fel-Pro N/A Victor 54657	New 3.7400" Min 3.7400"	HSFO64 (2)
6.6ℓ (400) V8	71-82	Passenger Car, Light Truck	Fel-Pro 8347PT-1 Victor 3428	N/A	HSFO58 (2)
6.8ℓ (416) V10	97-12	Light Truck	Fel-Pro 26304, 26305PT Victor 54242,54243	New 5.310-5.312" Min N/A	HSFO68L HSFO68R
7.0ℓ (429) V8	69-73	Passenger Car, Light Truck	Fel-Pro 8265PT-1 Victor 3978	N/A	HSFO460 (2)
7.5ℓ (460) V8	72-96	Passenger Car, Light Truck	Fel-Pro 8265PT-1, 8558PT-1 Victor 3978	N/A	HSFO460 (2)
6.9ℓ (Navistar) V8	83-87	Light Truck (DIESEL)	Fel-Pro 8891PT-1 Victor 3789G	New 4.795-4.805" Min 4.795"	HSFO69D (2)
7.3ℓ (Navistar) V8	88-94	Light Truck (Turbo included) (DIESEL)	Fel-Pro 9047PT Victor 5869G	New 4.795-4.805" Min 4.795"	HSFO73D (2)
7.3ℓ (Navistar) V8	95-03	Light Truck (Turbo) (DIESEL)	Fel-Pro 9239PT Victor 54204	New 5.095-5.105" Min 5.095"	HSFO73AD (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

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	HSFO8N
2.4ℓ (153) L4		Tractor (GAS)	Fel-Pro 8445B Victor	New N/A Min N/A	HSFO175-T
2.8ℓ (172) L4		Tractor (GAS)	Fel-Pro 7761B Victor	New N/A Min N/A	HSFO172-T
2.9ℓ (175) L4		Tractor (GAS/DIESEL)	Fel-Pro 8445B Victor	New N/A Min N/A	HSFO175-T
3.0ℓ (183) L4		Tractor (GAS/DIESEL)	Fel-Pro 8445B Victor	New N/A Min N/A	HSFO175-T
3.2ℓ (192) L4		Tractor (GAS/DIESEL)	Fel-Pro 7761B Victor	New N/A Min N/A	HSFO172-T
3.8ℓ (233) L4		Tractor (DIESEL)	Fel-Pro 8447B Victor	New N/A Min N/A	HSFO233D
4.2ℓ (256) L4		Tractor (GAS/DIESEL)	Fel-Pro 8619B Victor	New N/A Min N/A	HSFO256T
4.4ℓ (268) L4		Tractor (GAS/DIESEL)	Fel-Pro 8619B Victor	New N/A Min N/A	HSFO256T
6.6ℓ (401) L6		Industrial, M/D & H/D Truck (DIESEL)	Fel-Pro 9871PT Victor	New Min	HSFO401D-T
7.8ℓ (474) L6		Industrial, M/D & H/D Truck (DIESEL)	Fel-Pro 9871PT Victor	New Min	HSFO401D-T

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	HSSZ10A

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.2ℓ () 4 Cyl.	13-15	Chevy Spark	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSGM12
1.4ℓ () 4 Cyl.	11-13	Cruze, Sonic, Trax Turbo (DOHC)	Fel-Pro 26540 Victor N/A	New N/A Min N/A	HSGM14
1.5ℓ (4XC1) 4 Cyl.	85-88	Spectrum (SOHC)	Fel-Pro 9436PT Victor 5705	New 3.390" Min 3.370"	HSIS15
1.6ℓ (4ALC) 4 Cyl.	85-88	Nova (VIN 4)	Fel-Pro 9410PT Victor 3756	New 3.395-3.400" Min 3.385"	HSTO16
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"	HSSZ16
1.6ℓ (4AGE) 4 Cyl.	88	Nova (DOHC) (VIN 5)	Fel-Pro 9661PT Victor 5797	New 4.568" Min 4.555"	HSTO16B
1.6ℓ (98) 4 Cyl.	88-93	Pontiac (Daewoo Eng) (OHC)	Fel-Pro 9553PT Victor 5867	New 3.780" Min 3.770"	HSGM16
1.6ℓ (98) 4 Cyl.	04-05	Aveo, Wave (DOHC)	Fel-Pro 26378, 26379PT Victor 54700	New 5.280-5.289 " Min 5.280 "	HSGM16A
1.6ℓ (98) 4 Cyl.	06-08	Aveo, Avero 5, Wave (DOHC)	Fel-Pro 26379PT Victor 54701	New 5.280-5.289 " Min 5.280 "	HSGM16B
1.6ℓ (L91) 4 Cyl.	09-11	Aveo, Avero5, G3, Wave (DOHC)	Fel-Pro 26516PT Victor 54702	New 5.280-5.289" Min 5.280"	HSGM16C
1.8ℓ (L91) 4 Cyl.	11-13	Cruze, Sonic (DOHC)	Fel-Pro 26516PT Victor 54702	New 5.280-5.289" Min 5.280"	HSGM16C
1.8ℓ (4FB1) 4 Cyl.	81-85	LUV, I-Mark (DIESEL)	Fel-Pro N/A Victor N/A	New 4.055" Min 4.047"	HSIS18-D

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.8ℓ (G180Z) 4 Cyl.	76-82	LUV (SOHC)	Fel-Pro 8621PT1 Victor 3553	New 3.672-3.678" Min 3.656"	HSIS19
1.8ℓ (112) 4 Cyl.	82-86	Pontiac (Brazilian) Engine (OHC)	Fel-Pro 9014PT Victor 3721	New 3.780-3.790" Min 3.765"	HSGM20
1.9ℓ (G200Z) 4 Cyl.	82-85	S10 (SOHC)	Fel-Pro 8621PT1 Victor 3553	New 3.672-3.678" Min 3.656"	HSIS19
2.0ℓ (121) 4 Cyl.	87-89	Chevrolet Engine (OHV)	Fel-Pro 9469PT Victor 5871G	New 5.315-5.320" Min 5.305"	HSGM20A
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"	HSGM20
2.0ℓ (J20A) 4 Cyl.	99-03	Tracker (DOHC 16V)	Fel-Pro 26278PT Victor 54499	New 5.274-5.276 Min 5.271"	HSSZ18
2.0ℓ (122) 4 Cyl.	04-07	Optra (DOHC 16V)	Fel-Pro 26317PT Victor 54395A	New 5.315-5.330" Min 5.305"	HSIS22
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"	HSGM20A
2.2ℓ (134) 4 Cyl.	94-03	S-10 Pick-Up & Passenger Car (OHV)	Fel-Pro 9170PT-1 Victor 54051	New 5.315-5.320" Min 5.305"	HSGM22
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	HSGM22A
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	HSGM24B
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"	HSGM23
2.4ℓ (134.1) 4 Cyl.	06-11	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	HSGM24B

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.4ℓ (146) 4 Cyl	96-99	Cavalier, Malibu, <i>Quad 4</i> w/ EGR (DOHC: Vin 4, T)	Fel-Pro 9115PT Victor 5929	New 2.275" Min .010" max. Remove	HSGM24
2.4ℓ (146) 4 Cyl	99-02	Cavalier, Malibu, <i>Quad 4</i> w/o EGR (DOHC: Vin 4, T)	Fel-Pro 9059PT Victor 54236	New 2.275" Min .010" max. remove	HSGM24A
2.4ℓ (2AZFE) 4 Cyl.	09-10	(Pontiac) Vibe (DOHC 16V)	Fel-Pro 26323PT Victor 54409	New 5.090" Min N/A	HSTO24C
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"	HSGM25
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	HSGM25A
2.5ℓ (153) 4 Cyl.		Marine Applications	Fel-Pro 17000 Victor 1179Vm	New Min	HSGM30-MARINE
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"	HSGM28 (2)
2.9ℓ (178) V4	07-12	GMC Canyon, Chevy Colorado (DOHC)	Fel-Pro 26389PT Victor N/A	New N/A Min N/A	HSGM29
3.0ℓ (181) 4 Cyl.		Marine Applications	Fel-Pro 17000 Victor 1179Vm	New Min	HSGM30-MARINE
3.0ℓ (181) V6	97-05	Saturn L300, LW2, LW300 (DOHC 24V) (Vin R)	Fel-Pro 26189,26173 Victor N/A	New 5.272-5.280" Min 5.272"	HSGM30-OPEL
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"	HSGM28 (2)
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)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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)
3.5ℓ (213) V6	06-11	Passenger Cars	Fel-Pro 26324, 26325PT Victor 54648,54649	New N/A Min N/A	HSGM35A (2)
3.5ℓ (211) L5	04-06	Colorado, Canyon (GMC), H3 (Hummer)	Fel-Pro 26336PT Victor 54736	New N/A Min N/A	HSGM35B
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 (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)
3.9ℓ (237) V6	06-11	Passenger Cars	Fel-Pro 26324, 26325PT Victor 54648,54649	New N/A Min N/A	HSGM35A (2)
3.8ℓ (231) V6	95-05	<i>Buick Engine (Vin K)</i>	Fel-Pro 9917, 9918PT Victor 5912, 5913	New 0.054-0.066" Min 0.044" Measured from machined pad to deck	HSGM38B (2)
4.1ℓ (248) 6 Cyl	53-55	Light Truck (OHV)	Fel-Pro 7391S Victor N/A	New Min	HSGM248
250 L6	62-89	<i>Chevrolet Engine</i>	Fel-Pro 8501PT-1, 8006PT Victor 3829	N/A	HSGM292
4.2ℓ (254) 6 Cyl.	02-09	Light Truck (DOHC-24V): Trailblazer	Fel-Pro 26213,26214 Victor 54385	New N/A Min N/A	HSGM42

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
4.3ℓ (262) V6	85-11	Chevrolet Engine	Fel-Pro 9354PT-1 Victor 5744	New 3.065" Min N/A	HSGM43 (2)
4.3ℓ (262) V6	85-93	Chevrolet Engine (w/ steam holes)	Fel-Pro 9354PT-1 Victor 5744	New 3.065" Min N/A	HSGM43A (2)
265 V8	55-57	Chevrolet Engine	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
283 V8	57-67	Chevrolet Engine	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
292 L6	63-89	Chevrolet Engine	Fel-Pro 8501PT-1, 8006PT Victor 3829	N/A	HSGM292
4.8ℓ (294) V8	02-08	Chevrolet Engine Vin T	Fel-Pro 26191PT Victor 54441	New 4.750" Min 4.732"	HSGM53 (2)
4.9ℓ (300) V8	64-67	Buick	Fel-Pro 8172PT Victor 3364	N/A	HSGM300(2)
302 V8	67-69	Chevrolet Engine	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
5.0ℓ (305) V8	75-02	Chevrolet Engine	Fel-Pro 8510PT Victor 5745	N/A	HSGM50 (2)
5.0ℓ (307) V8	68-73	Chevrolet Engine	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
5.3ℓ (325) V8	02-08	Chevrolet Engine Vin T	Fel-Pro 26191PT Victor 54441	New 4.732" Min N/A	HSGM53 (2)
5.3ℓ (327) V8	62-69	Chevrolet Engine	Fel-Pro 7733PT-2 Victor 5746	N/A	HSGM57 (2)
5.6ℓ (340) V8	64-67	Buick	Fel-Pro 8172PT Victor 3364	N/A	HSGM300(2)
5.7ℓ (348) V8	58-65	Big Block	Fel-Pro 8007PT Victor N/A	N/A	HSGM409

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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	Fel-Pro 26192, Victor 54445	New 4.732" Min N/A	HSGM60 (2)
6.2ℓ (376) V8	08-15	<i>Chevrolet Engine</i> Vin U	Fel-Pro 26192, Victor 54445	New 4.732" Min N/A	HSGM60 (2)
6.5ℓ V8	92-02	<i>Light Truck (DIESEL)</i>	Fel-Pro 9701PT Victor 4021	New 3.853-3.863" Min 3.853"	HSGM65D (2)
6.5ℓ (396) V8	65-69	<i>Chevrolet Engine</i>	Fel-Pro 8180PT-2 Victor 3805VC	N/A	HSGM74 (2)
6.6ℓ (400) V8	70-80	<i>Chevrolet Engine</i>	Fel-Pro 8364PT Victor 3432SG	N/A	HSGM66 (2)
6.6ℓ (403) V8	01-10	<i>DuraMax Engine (Turbo Diesel) (OHV 32V)</i>	Fel-Pro 26401, 26402PT Victor 54580, 54584	N/A	HSGM66-D (2)
6.6ℓ (400) V8	58-79	<i>Pontiac Engine</i> (326, 350, 370, 389, 400, 421, 428, 455)	Fel-Pro 8518PT Victor 3494VC	N/A	HSGM400-P (2)
6.6ℓ (401) V8	59-66	<i>Buick Engine</i>	Fel-Pro 7922PT Victor 1191	N/A	HSGM401-B (2)
6.6ℓ (402) V8	70-72	<i>Chevrolet Engine</i>	Fel-Pro 8180PT-2 Victor 3805VC	N/A	HSGM74 (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

GENERAL MOTORS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
5.7ℓ (409) V8	58-65	Big Block	Fel-Pro 8007PT Victor N/A	N/A	HSGM409
7.0ℓ (427) V8	66-74	Chevrolet Engine	Fel-Pro 8180PT-2 Victor 3805VC	N/A	HSGM74 (2)
7.4ℓ (454) V8	70-95	Chevrolet Engine	Fel-Pro 8180PT2, 8523PT-1 Victor 3805VC, 4878	N/A	HSGM74 (2)
7.4ℓ (454) V8	96-00	Chevrolet Engine, Suburban, Light Trucks	Fel-Pro 9502PT Victor 4878	N/A	HSGM74A(2)
7.4ℓ (454) V8	70-95	Chevrolet Engine	Fel-Pro 8180PT2, 8523PT-1 Victo 3902,4878	N/A	HSGM74-1017
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

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

GEO (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.3ℓ (79) 4 Cyl.	92-01	Metro (<i>Suzuki Engine</i>) (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 (<i>Suzuki Engine</i>) (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 (<i>Toyota Engine</i>) (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 (<i>Toyota Engine</i>) (VIN 5)	Fel-Pro 9661PT Victor 5797	New 4.568" Min 4.555"	HSTO16B
1.6ℓ (98) 4 Cyl.	90-93	Storm (SOHC) (<i>Isuzu Engine</i>) (VIN 6)	Fel-Pro 9684PT Victor 5910	New 3.390" Min 3.374"	HSIS16
1.6ℓ (98) 4 Cyl.	90-91	Storm (DOHC) (<i>Isuzu Engine</i>) (VIN 5)	Fel-Pro 9685PT-1 Victor N/A	New 5.114-5.120" Min 5.098"	HSIS16A
1.6ℓ (4AFE) 4 Cyl.	93-97	Prizm (DOHC 16V)	Fel-Pro 9604PT Victor 54368	New 4.570" Min 4.560"	HSTO16C
1.8ℓ (7AFE) 4 Cyl.	93-97	Prizm (DOHC 16V)	Fel-Pro 9955PT Victor 54354	New 4.567" Min 4.557"	HSTO18
1.8ℓ (4XF1) 4 Cyl.	92-93	Storm GSI (DOHC 16V)	Fel-Pro 9156PT Victor N/A	New 5.114" Min 5.098"	HSIS18
2.0ℓ (122) 4 Cyl.	89-90	Lemans (OHC)	Fel-Pro 9014PT Victor 5779	New 3.780-3.785" Min 3.765"	HSGM20

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	HSHR27

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

HERCULES (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
5.6ℓ (339) 6 Cyl.		G3400 Heavy Duty Truck	Fel-Pro 7343S Victor	New Min	HSHR39

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"	HSHO10
1.3ℓ (LDA) 4 Cyl.	03-05	Civic (Hybrid)	Fel-Pro 26528PT Victor 54532	New 4.720-4.728" Min N/A	HSHO13
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"	HSHO15
1.5ℓ (EM) 4 Cyl.	77-83	Civic (CVCC)	Fel-Pro 21214PT-1 Victor 3714	New 3.565-3.570" Min 3.550"	HSHO15B
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" D15A2,3New 3.540" Min 3.520"	HSHO15
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"	HSHO15A
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"	HSHO15C
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"	HSHO15A
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"	HSHO16
1.6ℓ (D16Z) 4 Cyl.	92-95	Accord, Del Sol (VTEC) (SOHC 16V)	Fel-Pro 9915PT Victor 54234	New 3.659-3.663" Min 3.651"	HSHO16A

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

HONDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6ℓ (D16Y) 4 Cyl.	96-00	Civic, Del Sol (VTEC) (SOHC 16V)	Fel-Pro 9915PT Victor 54234	New 3.659-3.663" Min 3.651"	HSHO16A
1.7ℓ (D17) 4 Cyl.	01-05	Civic, Del Sol (VTEC) (SOHC 16V)	Fel-Pro 26236PT Victor 54459	New 3.659-3.663" Min 3.651"	HSHO17
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"	HSHO18
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"	HSHO18A
1.8ℓ (R18A) 4 Cyl.	06-13	Civic (SOHC 12V)	Fel-Pro 26397PT Victor 54528	New 4.526-4.530" Min N/A	HSHO18B
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"	HSHO20
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"	HSHO20A
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"	HSHO20B
2.0ℓ (K20A) 4 Cyl.	02-05	Civic (DOHC 16V) (K20A3)	Fel-Pro 26403PT Victor 54521	New 4.092-4.098" Min 4.090"	HSHO20C
2.0ℓ (F20C1) 4 Cyl.	00-03	S2000	Fel-Pro 26601PT Victor 54520	New 4.132- 4.136" Min 4.122"	HSHO20D
2.05ℓ (B21A1) 4 Cyl.	90-91	Prelude Si	Fel-Pro 9124PT-2 Victor 5881	New 5.201" Min 5.193"	HSHO21
2.2ℓ (F22C1) 4 Cyl.	04-09	S2000	Fel-Pro 26601PT Victor 54520	New 4.132- 4.136" Min 4.122"	HSHO20D
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"	HSHO22

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

HONDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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	HSHO22A
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"	HSHO23A
2.3ℓ (H23A1) 4 Cyl.	92-96	Prelude SI (DOHC 16V)	Fel-Pro 9919PT Victor 5897	New 5.195-5.199" Min 5.190"	HSHO23
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"	HSHO23A
2.4ℓ (K24A1/4) 4 Cyl.	02-07	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"	HSHO24
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"	HSHO24A
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"	HSHO25
2.6ℓ (4ZE1) 4 Cyl.	94-96	Passport	Fel-Pro 8215PT Victor 5743	New 3.667-3.671" Min 3.651"	HSIS26
2.7ℓ (C27A) V6	95-97	Accord (SOHC 24V)	Fel-Pro 9531PT Victor 5773	New 4.1260" Min 4.1181"	HSHO27 (2)
3.0ℓ (J30A1) V6	98-02	Accord (SOHC 24V)	Fel-Pro 26196PT Victor 54217	New 4.762-4.766" Min N/A	HSHO30 (2)
3.2ℓ (6VD1) V6	94-97	Passport (SOHC 24V)	Fel-Pro 9174PT Victor 54038	New 4.126" Min 4.118"	HSIS32 (2)
3.2ℓ (6VD1) V6	98-04	Passport (DOHC 24V)	Fel-Pro 9256,9254PT 26260PT Victor N/A	New 5.413" Min N/A	HSIS32A (2)
3.5ℓ (J35A1) V6	99-04	Odyssey, Pilot (SOHC 24V)	Fel-Pro 26260PT Victor 54524	New 4.762-4.766" Min 4.758"	HSHO35 (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

HONDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.5ℓ (J35A9) V6	05-10	Odyssey, Pilot, Ridgeline (SOHC)	Fel-Pro 26265PT Victor 54578	New 4.762-4.766" Min 4.758"	HSHO35A(2)
3.5ℓ (J35A7,Z2) V6	08-13	Accord, Crosstour, Odyssey, Pilot, Ridgeline (SOHC)	Fel-Pro 26509/10PT Victor 54755,54756	New 4.762-4.766" Min 4.758"	HSHO35B(2)

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"	HSMT15
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	HSHY15
1.6ℓ (G4EC/ED) 4 Cyl.	01-11	Accent (DOHC 16V)	Fel-Pro 26224PT Victor 54484	New 2.496" Min N/A	HSHY16-A
1.6ℓ (G4DR) 4 Cyl.	92-95	Elantra (DOHC 16V)	Fel-Pro 9627PT Victor 5875	New 5.197-5.200" Min 5.188"	HSMT20B
1.8ℓ (G4CN) 4 Cyl.	93-95	Elantra (DOHC 16V)	Fel-Pro 9627PT Victor 5875	New 5.197" Min 5.189"	HSMT20B
1.8ℓ (G4GM) 4 Cyl.	96-98	Elantra, Tiburon (DOHC 16V)	Fel-Pro 26180PT Victor 54391	New 5.1970" Min 5.189"	HSHY18
2.0ℓ (G4GM) 4 Cyl.	97-01	Elantra, Tiburon (DOHC 16V)	Fel-Pro 26180PT Victor 54391	New 5.1970" Min 5.189"	HSHY18
1.8ℓ 4 Cyl.	10-15	Elantra, (OE:223112E000) (DOHC)	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSHY18A
2.0ℓ 4 Cyl.	10-15	Elantra, (OE:223112E000) (DOHC)	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSHY18A
2.0ℓ (G4CP) 4 Cyl.	92-98	Sonata (DOHC 16V)	Fel-Pro 9627PT Victor 5875	New 5.197" Min 5.189"	HSMT20B

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

HYUNDAI (con't)

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

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	HSIH-C154
2.6ℓ 4 Cyl.		C157/175/200	Fel-Pro 8237PT Victor	New Min	HSIH-C157
3.6ℓ 6 Cyl.		Tractor C221/229/236/ 263/282/301 M-D Truck D264/240/220	Fel-Pro 7799CS Victor	New Min	HSIH-C282
3.9ℓ 4 Cyl.		C239	Fel-Pro 8754PT Victor	New Min	HSIH-C239
4.1ℓ 4 Cyl.		Tractor C248	Fel-Pro 7477S Victor	New Min	HSIH-C248
4.6ℓ 4 Cyl.		Tractor C281/264	Fel-Pro 7510S Victor	New Min	HSIH-C281

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 6 Cyl.		Tractor D282, D301 Diesel (M-D Truck also)	Fel-Pro 8334B Victor	New Min	HSIH-D282
5.9ℓ 6 Cyl.		Tractor D361 Diesel	Fel-Pro 8352B Victor	New Min	HSIH-D361
6.6ℓ V8	75-82	M-D Truck MV404	Fel-Pro 8475PT Victor	New Min	HSIH-404
6.7ℓ 6 Cyl.		Tractor D407	Fel-Pro 8431PT Victor	New Min	HSIH-806
6.8ℓ 6 Cyl.		Tractor D414 Engine (Diesel)	Fel-Pro 8367PT Victor	New Min	HSIH-414
7.6ℓ 6 Cyl.		Tractor D466 Engine (Diesel)	Fel-Pro 8367PT Victor	New Min	HSIH-414
9.0ℓ V8		Tractor V549 Engine M-D Truck V461/478/549	Fel-Pro 7786S Victor	New Min	HSIH-90

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"	HSNS20A
3.0ℓ (VG30E) V6	90-92	M30 (SOHC 12V)	Fel-Pro 9571PT Victor 5826	New 4.205-4.220" Min 4.198"	HSNS30 (2)
3.0ℓ (VG30DE) V6	93-97	J30 (DOHC 24V)	Fel-Pro 9703PT Victor 5865	New 5.429-5.433" Min N/A	HSNS30A (2)
3.0ℓ (VQ30DE) V6	95-99	I30 (DOHC 24V)	Fel-Pro 9508,9509PT Victor 54379,54380	New 4.972-4.980" Min 4.964"	HSNS30DL HSNS30DR
3.3ℓ (VG33E) V6	96-04	QX4 (SOHC 12V)	Fel-Pro 26219PT Victor N/A	New 4.205-4.220" Min N/A	HSNS33 (2)
3.5ℓ (VQ35DE) V6	01-09	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	HSNS35L HSNS35R
5.6ℓ (VK56DE) V8	04-09	QX56 (DOHC)	Fel-Pro 26372/73PT Victor 54651/52	New 4.972" Min N/A	HSNS56L HSNS56R

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

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"	HSIS15
1.6ℓ (4XE1) 4 Cyl.	91-93	Stylus (SOHC 12V)	Fel-Pro 9684PT Victor 5910	New 5.114-5.120" Min 5.098"	HSIS16
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"	HSIS16A
1.8ℓ (4FB1) 4 Cyl.	81-85	Gemini (DIESEL)	Fel-Pro N/A Victor N/A	New 4.055" Min 4.047"	HSIS18-D
1.8ℓ (4XF1) 4 Cyl.	92	Impulse, Stylus (DOHC 16V)	Fel-Pro 9156PT Victor N/A	New 5.114" Min 5.098"	HSIS18
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"	HSIS19
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"	HSIS19
2.0ℓ (4FC1) 4 Cyl.	81-85	Gemini (DIESEL)	Fel-Pro N/A Victor N/A	New 4.055" Min 4.047"	HSIS18-D
2.2ℓ (134) 4 Cyl.	96-00	Hombre	Fel-Pro 9170PT-1 Victor 54051	New 5.315-5.320" Min 5.305"	HSGM22
2.2ℓ (F22B) 4 Cyl.	96-97	Oasis (VTEC) (SOHC 16V)	Fel-Pro 9958PT Victor 54216	New 3.935-3.939" Min 3.932"	HSHO23A
2.2ℓ (X22SE) 4 Cyl.	98-03	Amigo, Rodeo (DOHC 16V)	Fel-Pro 26317PT Victor 54395A	New 5.276-5.280" Min 5.276"	HSIS22
2.2ℓ (X22SE) 4 Cyl.	96-00	Hombre (DOHC 16V)	Fel-Pro 9170PT-1 Victor 54051	New 5.315-5.330" Min 5.305"	HSIS22

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

ISUZU (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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"	HSIS23
2.3ℓ (F23A) 4 Cyl.	98-99	Oasis (VTEC) (SOHC 16V)	Fel-Pro 9958PT1 Victor 54216	New 3.935-3.939" Min 3.932"	HSHO23A
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"	HSIS26
2.8ℓ (LL2) V6	89-91	Trooper II	Fel-Pro 8699PT-2 Victor 3549	N/A	HSGM28 (2)
2.9ℓ (178) V4	07-08	GMC Canyon, Chevy Colorado (DOHC)	Fel-Pro 26389PT Victor N/A	New N/A Min N/A	HSGM29
3.1ℓ (CPC) V6	91-94	Rodeo, Pick Up	Fel-Pro 8699PT-2 Victor 3549	N/A	HSGM28 (2)
3.2ℓ (6VD1) V6	92-97	Trooper II, Rodeo (SOHC & DOHC 24V)	Fel-Pro 9174PT Victor 54038	New 4.126" Min 4.118"	HSIS32 (2)
3.2ℓ (6VD1) V6	98-04	Trooper, Amigo, Rodeo (DOHC 24V)	Fel-Pro 9254,9256PT Victor 54410,54411	New 5.244" Min 5.236"	HSIS32A (2)
3.5ℓ (6VE1) V6	98-04	Trooper, VehiCROSS, Rodeo, Axiom (DOHC 24V)	Fel-Pro 9254,9256PT Victor 54410,54411	New 5.244" Min 5.236"	HSIS32A (2)
3.5ℓ (211) L5	06	i-350	Fel-Pro 26336PT Victor 54736	New N/A Min N/A	HSGM35B
3.7ℓ (223) L5	07-08	i-370 (DOHC)	Fel-Pro 26390PT Victor N/A	New N/A Min N/A	HSGM37
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"	HSIS39-D
4.8ℓ (4HE1) 4 Cyl.	99-04	(Turbo also)	Fel-Pro N/A Victor N/A	New 4.683-4.687" Min N/A	HSIS48D

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

ISUZU (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
5.2ℓ (4HK1) 4 Cyl.	05-13		Fel-Pro N/A Victor N/A	New 4.685" Min N/A	HSIS48D2
7.1ℓ (6HE1) L6			Fel-Pro Victor	New Min	HSIS71D
7.8ℓ (6HK1) L6	05-17		Fel-Pro Victor	New Min	HSIS82D
8.4ℓ (6SA1) L6			Fel-Pro Victor	New Min	HSIS84D
8.4ℓ (6SD1) L6	84-92	Truck, Bus (DIESEL) (Turbo also)	Fel-Pro Victor	New 6.811-6.812" Min 6.800"	HSIS84AD

JAGUAR

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

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

JEEP/EAGLE

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.5ℓ (4G15) 4 Cyl.	91-94	Summit (SOHC 12V)	Fel-Pro 9758PT Victor 5907	New 4.2086-4.2165" Min 4.2006"	HSMT15
1.5ℓ (4G15) 4 Cyl.	89-90	Summit (SOHC 8V) (4G15, G15B, G4AJ, G4DJ)	Fel-Pro 9352PT Victor 3675	New 4.2086-4.2165" Min 4.2006"	HSMT15
1.6ℓ (4G61) 4 Cyl.	89-90	Summit (DOHC 16V)	Fel-Pro 9627PT Victor 5875	New 4.228-4.236" Min 4.220"	HSMT20B
1.8ℓ (4G37) 4 Cyl.	93-94	Talon (SOHC 8V)	Fel-Pro 9846PT Victor 5812	New 3.484" Min 3.476"	HSMT18A
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"	HSMT18B
2.0ℓ (4G63) 4 Cyl.	90-98	Talon (DOHC) (Turbo included)	Fel-Pro 9627PT Victor 5875	New 5.1968-5.201" Min 5.188"	HSMT20B
2.0ℓ (122) 4 Cyl.	07-13	Compass, Patriot (DOHC 16V)	Fel-Pro 26557PT Victor N/A	New N/A Min N/A	HSCH24C
2.0ℓ (420A) 4 Cyl.	95-98	Talon (DOHC 16V)	Fel-Pro 9036PT(-1) Victor 54044	New 5.4115-5.4193" Min 5.4035"	HSCH20A
2.2ℓ (134) 4 Cyl.	40-64	Willys, Dispatcher, Universal (L Head)	Fel-Pro N/A Victor N/A	New Min	HSJP134
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"	HSCH24A
2.4ℓ (144) 4 Cyl.	07-13	Compass, Patriot (DOHC 16V)	Fel-Pro 26332, 26557PT Victor N/A	New N/A Min N/A	HSCH24C
2.4ℓ (4G64) 4 Cyl.	92	Summit Wagon (SOHC 8V)	Fel-Pro 9388PT Victor 5747	New 3.543-3.544" Min 3.523"	HSMT24
2.4ℓ (4G64) 4 Cyl.	93-96	Summit Wagon (SOHC 16V)	Fel-Pro 9932PT Victor 54119	New 4.720-4.728" Min 4.712"	HSMT24A

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

JEEP/EAGLE (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (150) 4 Cyl.	83-02	Light Truck (OHV) (AMC Engine)	Fel-Pro 9196PT Victor 3799	New 3.250" Min N/A	HSJP25
2.5ℓ (151) 4 Cyl.	80-83	Pick Up, Scrambler	Fel-Pro 9405PT-1 Victor N/A	New 3.250" Min N/A	HSGM25A
2.8ℓ (173) V6	84-86	Cherokee, Comanche, Wagoneer	Fel-Pro 8699PT-2 Victor 3549	New 3.5805-3.595" Min 3.575"	HSGM28 (2)
3.0ℓ (182) V6	88-92	Premier (SOHC) Volvo/Renault Engine	Fel-Pro 9836B,9837B Victor N/A	New 4.363" Min 4.363"	HSCH30L HSCH30R
3.3ℓ (201) V6	93-97	Vision	Fel-Pro 9676PT, 9673PT Victor 5985, 5986	New 4.248-4.253" Min 4.240"	HSCH33L HSCH33R
3.5ℓ (215) V6	93-97	Vision	Fel-Pro 9926PT, 9927PT Victor 5979, 5978	New 4.7392-4.749" Min 4.7312"	HSCH35L HSCH35R
3.7ℓ (226) V6	02-12	Commander, Grand Cherokee, Liberty (SOHC 12V)	Fel-Pro 26229PT Victor 54250	New N/A Min N/A	HSCH37 (2)
4.0ℓ (242) 6 Cyl.	87-06	Cherokee, Wagoneer, Wrangler	Fel-Pro 26211PT Victor 54249	New 3.465" Min N/A	HSJP40
4.2ℓ (258) 6 Cyl.	65-88	Cherokee, Commander, Grand Wagoneer	Fel-Pro 8169PT Victor 1199	New N/A Min N/A	HSJP42
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"	HSCH47 (2)
5.7ℓ (345) V8	05-15	Commander(05-09), Grand Cherokee(05-15) (Hemi)	Fel-Pro 26284,26286 26426,26423PT Victor 54417, 54418	New 4.6330" Min N/A	HSCH57L HSCH57R

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

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
4.5ℓ 4 Cyl.		Tractor 276 Engine	Fel-Pro 8604SB Victor N/A	New Min	HSJD-45

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

JOHN DEERE (con't) (copper gaskets available for all listings)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No	
5.0ℓ 2 Cyl.		Model A Tractor 60 Series	Fel-Pro 7744SBX Victor N/A	New Min		HSJD-60
6.8ℓ 6 Cyl.		Industrial App. 6414D Engine (Diesel)	Fel-Pro 9223B Victor N/A	New 4.129-4.139" Min 4.104"		HSJD-414
10.1ℓ 6 Cyl.		Tractor 6619A Engine (Diesel)	Fel-Pro 8613 Victor N/A	New Min		HSJD-619

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		HSKA15
1.6ℓ (B6B) 4 Cyl.	95	Sephia (SOHC 16V)	Fel-Pro 9930PT Victor 54641	N/A		HSMZ16C
1.6ℓ (B6) 4 Cyl.	03-05	Cinco, Rio (DOHC 16V)	Fel-Pro 26315PT Victor N/A	N/A		HSKA15
1.6ℓ (G4EC/ED) 4 Cyl.	06-11	Rio, Rio5 (DOHC 16V)	Fel-Pro 26224PT Victor 54484	New 2.496" Min N/A		HSHY16-A
1.6ℓ 4 Cyl.	15	Forte, (OE:223112E000) (DOHC)	Fel-Pro N/A Victor N/A	New N/A Min N/A		HSHY18A
1.8ℓ 4 Cyl.	14-15	Forte, (OE:223112E000) (DOHC)	Fel-Pro N/A Victor N/A	New N/A Min N/A		HSHY18A
1.8ℓ (BP) 4 Cyl.	95-99	Sephia (DOHC 16V)	Fel-Pro 9717PT Victor 5878	New 4.228-4.236" Min 4.220"		HSMZ18
1.8ℓ (T8) 4 Cyl.	98-01	Sephia, Spectra (DOHC 16V)	Fel-Pro 26221PT Victor N/A	New 5.272-5.280" Min 5.272"		HSKA18
1.8ℓ (T8) 4 Cyl.	02-04	Carens (DOHC 16V)	Fel-Pro N/A Victor N/A	N/A		HSKA18A

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

KIA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ 4 Cyl.	12-15	Soul, (OE:223112E000) (DOHC)	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSHY18A
2.0ℓ (FE) 4 Cyl.	95	Sportage (SOHC 8V)	Fel-Pro 9422PT Victor 3763	New 3.620-3.624" Min 3.612"	HSMZ22A
2.0ℓ (FED) 4 Cyl.	95-02	Sportage (DOHC 16V)	Fel-Pro 26220PT Victor 54449	New 5.274-5.278" Min 5.274"	HSKA20
2.0ℓ (G4GF) 4 Cyl.	04-09	Spectra, Sportage (DOHC 16V)	Fel-Pro 26181 Victor 54485	New N/A Min N/A	HSHY20
2.4ℓ (G4JS) 4 Cyl.	01-12	Optima, Sorento, Sportage (DOHC 16V)	Fel-Pro 26282, 26333PT Victor 54483, 54741	New 5.197-5.200" Min N/A	HSMT24B
2.4ℓ (G4KC) 4 Cyl.	06-12	Sportage, Rondo, Optima, Magentis (DOHC 16V)	Fel-Pro 26333PT Victor 54741	New 5.197"-5.20" Min N/A	HSHY24A
2.7ℓ (G6BA) V6	02-10	Magentis, Optima, Sportage (DOHC 24V)	Fel-Pro 26276, 26277PT Victor 54503, 54504	New 3.543" Min 3.523"	HSHY27L HSHY27R
3.5ℓ (G6CU) V6	02-06	Amanti, Sedona, Sorento (DOHC 24V)	Fel-Pro 26294, 26293 Victor N/A	New N/A Min N/A	HSHY35 (2)

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 (2ARFE) 4 Cyl.	2013	ES300th	Fel-Pro 26562, 26667PT Victor N/A	New N/A Min N/A	HSTO25A
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.	06-13	IS 250 (DOHC 24V)	Fel-Pro 26419PT, 26421PT Victor 54782,54781	New N/A Min N/A	HSLX25L HSLX25R

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

LEXUS (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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
3.5ℓ (2GRFE) V6	06-13	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	08-09	LX570 (DOHC)	Fel-Pro 26393 , 26394PT Victor 54776 , 54777	New 4.645-4.646" Min N/A	HSTO57L HSTO57R

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	HSMZ12
1.5ℓ (E5) 4 Cyl.	81-85	Wagon, GLC (SOHC 8V)	Fel-Pro HS 9067 B Victor N/A	New 3.564-3.670" Min 3.551"	HSMZ15
1.5ℓ (Z5) 4 Cyl.	95-98	Protégé (DOHC 16V)	Fel-Pro 9213PT Victor 54402	New 4.733-4.741" Min 4.725"	HSMZ15A
1.6ℓ (NA) 4 Cyl.	70-77	616, 808, B1600 (SOHC)	Fel-Pro 8502PT Victor N/A	N/A	HSMZ16-MA

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

MAZDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.6ℓ (B6) 4 Cyl.	86-89	323, Tracer (SOHC 8V) (except Turbo)	Fel-Pro 9461PT Victor N/A	New 4.228-4.236" Min 4.220"	HSMZ16
1.6ℓ (B6E) 4 Cyl.	88-93	323 GT Turbo, Miata, MX5 (DOHC 16V)	Fel-Pro 9691PT Victor 5868	New 5.268-5.2767" Min 5.2677"	HSMZ16A
1.6ℓ (B6) 4 Cyl.	90-95	323 (SOHC 8V) (non Turbo)	Fel-Pro 9696 B Victor N/A	New 4.228-4.236" Min 4.220"	HSMZ16B
1.6ℓ (B6B) 4 Cyl.	92-93	MX3 (SOHC 16V) (93-95 323 CA Eng. Only)	Fel-Pro 9930PT Victor 54641	N/A	HSMZ16C
1.6ℓ (B6D) 4 Cyl.	95-96	MX3 (DOHC 16V)	Fel-Pro N/A Victor N/A	N/A	HSMZ16D
1.6ℓ (ZM) 4 Cyl.	99-03	Protege (DOHC 16V)	Fel-Pro 26391, 26392PT Victor 54430, 54431	New 4.733-4.741" Min 4.725"	HSMZ16E
1.8ℓ (VB) 4 Cyl.	70-78	B1800, 618 (SOHC 8V)	Fel-Pro 8502PT Victor N/A	N/A	HSMZ16-MA
1.8ℓ (BP) 4 Cyl.	90-00	Protege, Miata MX5 (DOHC 16V)	Fel-Pro 9717PT Victor 5878	New 5.268-5.276" Min 5.2677"	HSMZ18
1.8ℓ (BP) 4 Cyl.	90-94	Protege (SOHC 16V)	Fel-Pro 9717PT Victor 5878	New 4.228-4.236" Min 4.220"	HSMZ18A
1.8ℓ (NB) 4 Cyl.	01-05	Miata (DOHC 16V)	Fel-Pro 26234PT Victor 54654	New 4.989-4.903" Min 4.893"	HSMZ18B
1.8ℓ (FP) 4 Cyl.	93-03	Protege (DOHC 16V)	Fel-Pro 9711PT Victor 5942	New 4.8996-4.9035" Min 4.8936"	HSMZ20A
2.0ℓ (MA) 4 Cyl.	79-84	626, B2000 (SOHC 8V)	Fel-Pro 8502PT Victor N/A	N/A	HSMZ16-MA
2.0ℓ (FE) 4 Cyl.	83-87	626, B2000 (except Turbo)	Fel-Pro 9422PT Victor 3763	New 3.620-3.624" Min 3.612"	HSMZ22A

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

MAZDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (RF) 4 Cyl.	82-87	Passenger Car (SOHC) (Diesel)	Fel-Pro NA Victor NA	New N/A Min N/A	HSMZ20-D1
2.0ℓ (FS) 4 Cyl.	93-99	626, MX6, Protégé (1.8) (DOHC 16V)	Fel-Pro 9711 Victor 5942	New 4.8996-4.9035" Min 4.8936"	HSMZ20A
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	HSMZ23A
2.2ℓ (F2) 4 Cyl.	87-93	626, MX6, B2200 (SOHC 8V/12V) (Turbo included)	Fel-Pro 9572PT Victor 5851	New 3.620-3.624" Min 3.612"	HSMZ22A
2.2ℓ 4 Cyl.		Forklift	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSMZ22B
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	HSMZ23 (2)
2.3ℓ (MZR) 4 Cyl.	01-10	Passenger Cars & Light Trucks (Duratec) (DOHC 16V) (Turbo incl)	Fel-Pro 26250, 26407, 26409PT Victor 54516, 54729, 54770	New 4.882" Min N/A	HSMZ23A
2.5ℓ (KL) V6	93-02	626, Millenia, MX6	Fel-Pro 9921, 9923PT Victor 54060, 54061	New N/A Min N/A	HSMZ25 (2)
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"	HSMZ25AL HSMZ25AR
2.6ℓ (AM1) 4 Cyl.	87-88	B2600	Fel-Pro 8770PT Victor 3697	New 3.543" Min 3.523"	HSMT26
2.6ℓ (G6) 4 Cyl.	89-94	MPV, B2600I	Fel-Pro 9637PT Victor 4906	New 3.5413-3.5452" Min 3.5233"	HSMZ26
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"	HSMZ30 (2)
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	HSFO30AL/R

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

MAZDA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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"	HSFO40L HSFO40R
4.0ℓ (244) V6	01-10	B4000 (SOHC) (Vin E)	Fel-Pro 26300 26301PT Victor 54196,54195	New 4.864" Min N/A	HSFO40BL HSFO40BR

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	HSMB230B
1.9ℓ (M115) 4 Cyl.	75-87	1900	Fel-Pro N/A Victor N/A	New 3.339-3.346" Min .3.329"	HSMB190
2.0ℓ (M102) 4 Cyl.	84-93	190, 190E, 200, 200T, 200E	Fel-Pro N/A Victor N/A	N/A	HSMB200
2.2ℓ (M111) 4 Cyl.	94-96	C220, (16V)	Fel-Pro 26573PT Victor 54693	New 5.350-5.354" Min 3.334"	HSMB200A
2.3ℓ (M102) 4 Cyl.	80-93	190E, 230E, 230CE, 230TE	Fel-Pro HS 9743PT Victor 54699	New 3.880" Min 3.850"	HSMB230
2.3ℓ (M111) 4 Cyl.	96-97	C230 Kompressor, ML230 (16V)	Fel-Pro 26349PT Victor N/A	N/A	HSMB230A
2.5ℓ (M129) 6 Cyl.	85-93	190D, 250D Diesel	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSMB250
2.6ℓ 6 Cyl.	90-93	190E, 300E (90-92)	Fel-Pro HS 26285PT Victor HS 54697	New 3.545-3.550" Min 3.524"	HSMB260
2.8ℓ (M110) 6 Cyl.	72-85	280	Fel-Pro N/A Victor N/A	New 3.697-3.701" Min 3.665"	HSMB280

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.
2.8ℓ 6 Cyl.	68-72	280SL, 280SEL, 280SE, 300SEL	Fel-Pro N/A Victor N/A	New 3.339-3.34" Min 3.3.07"	HSMB280L
2.8ℓ (M130) 6 Cyl.	67-72	280SE, 280SL, 300SEL	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSMB280C
2.8ℓ (M104) 6 Cyl.	92-97	280E, 280TE, C280, S280, SL280, 300SE (DOHC)	Fel-Pro N/A Victor N/A	New 5.350" Min 5.330"	HSMB300B
2.8ℓ (M104.900) 6 Cyl.	98-	V280 (Vito) (Volkswagen engine)	Fel-Pro N/A Victor 54343	New 5.492-5.515" Min 5.492"	HSVK28
3.0ℓ (M103) 6 Cyl.	90-93	300E, 300SE, 300TE	Fel-Pro HS26291PT Victor 54710	New 3.545-3.550" Min 3.524"	HSMB300A
3.0ℓ (M104) 6 Cyl.	89-93	300E, 300CE, 300TE (24V)	Fel-Pro N/A Victor N/A	New 5.350" Min 5.330"	HSMB300B
3.0ℓ (M603) 6 Cyl.	84-96	300D, 300 TURBO, 300GD, G300 (Diesel)	Fel-Pro N/A Victor N/A	New 5.635-5.641" Min 5.606"	HSMB300-D
3.0ℓ (M606) 6 Cyl.	93-97	E300 (24V) (Diesel)	Fel-Pro N/A Victor N/A	N/A	HSMB300-D2
3.2ℓ (M104) 6 Cyl.	92-99	300E, 300SE, E320	Fel-Pro 26287PT, 26289PT Victor N/A	New 5.350-5.324" Min 5.335"	HSMB320
4.2ℓ (M119) V8	92-97	400SE, 400SEL, 400E, S420 (Later Style)	Fel-Pro HS 26350, HS 26351PT Victor N/A	N/A	HSMB420L HSMB420R
5.0ℓ (M117) V8	77-85	450SLC, 500SE, 500SEL, 500SEC, 500GLC, G500	Fel-Pro N/A Victor N/A	New 2.400" Min 2.354" Meas. at front intake side head bolt boss	HSMB500L HSMB500R
5.6ℓ (M117) V8	85-91	560SL, 560SLE, 560SEC, 560SE	Fel-Pro N/A Victor N/A	New 2.3544-2.3622" Min 2.3445" Meas. at exhaust side head bolt area	HSMB500L HSMB500R

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

MG/AUSTIN

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.1ℓ (1098cc) 4 Cyl.	62-74	1100, Sprite	Fel-Pro 21042C Victor 3611	New 2.750" Min 2.734"	HSMG11
1.5ℓ (1493cc) 4 Cyl.	54-62	MGA, Magnette, Midget	Fel-Pro 21190B Victor N/A	New N/A Min N/A	HSMG15
1.6ℓ (1622cc) 4 Cyl.	62-78	MGA, Magnette, Midget	Fel-Pro 21044C Victor N/A	New N/A Min N/A	HSMG16
1.8ℓ (1798cc) 4 Cyl.	62-81	Marina, Sherpa, MGB	Fel-Pro 21183C Victor 3614	New 3.140" Min N/A	HSMG18

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

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
5.5ℓ 4 Cyl.		Tractor 336-4 Engine	Fel-Pro 8323B Victor	New Min	HSMM-336
13.1ℓ 6 Cyl.		Tractor 800 Series	Fel-Pro 7424B Victor	New Min	HSMM-800 (3)

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	HSMT14
1.5ℓ (4G15) 4 Cyl.	91-96	Mirage (SOHC 12V)	Fel-Pro 9758PT Victor 5907	New 4.2086-4.2165" Min 4.2006"	HSMT15
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"	HSMT15
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"	HSMT15A
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"	HSMT20B

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

MITSUBISHI (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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	HSMT16A
1.8ℓ (4G37) 4 Cyl.	90-94	Eclipse (SOHC 8V)	Fel-Pro 9846PT Victor 5812	New 3.484" Min 3.476"	HSMT18A
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"	HSMT18B
1.8ℓ (4G93) 4 Cyl.	97-02	Mirage (SOHC 16V)	Fel-Pro 26183PT Victor N/A	New 4.720-4.728" Min 4.712"	HSMT18C
2.0ℓ (4G94) 4 Cyl.	02-07	Lancer (SOHC 16V)	Fel-Pro 26288PT Victor 54491	New 4.720-4.728" Min N/A	HSMT18C
2.0ℓ (122) 4 Cyl.	08-13	Lancer, Outlander, RVR (DOHC 16V)	Fel-Pro 26557PT Victor N/A	New N/A Min N/A	HSCH24C
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"	HSMT20B
2.0ℓ (4G63) 4 Cyl.	89-99	Eclipse, Galant (DOHC)	Fel-Pro 9627PT Victor 5875	New 5.200" Min 5.192"	HSMT20B
2.0ℓ (G52B) 4 Cyl.	75-78	(4G52 and Forklift also)	Fel-Pro 8788B Victor	New 5.193-5.201" Min 5.185"	HSMT20C
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	HSMT20D
2.0ℓ (420A) 4 Cyl.	95-99	Eclipse (DOHC 16V)	Fel-Pro 9922PT Victor 54044	New 5.4115-5.4193" Min 5.4035"	HSCH20A
2.3ℓ (4D55) 4 Cyl.	83-85	MightyMax (SOHC) (Turbo)	Fel-Pro 9084PT Victor 3786	New 3.700-3.705" Min 3.690"	HSMT23-D
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"	HSMT24

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

MITSUBISHI (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.4ℓ (G64B) 4 Cyl.	85-87	Galant (SOHC 8V)	Fel-Pro 9388PT Victor 5747	New 3.543-3.544" Min 3.523"	HSMT24
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"	HSMT24A
2.4ℓ (4G64FR) 4 Cyl.	97-99	Montero Sport (SOHC 16V)	Fel-Pro 26312PT Victor N/A	N/A	HSMT24C
2.4ℓ (4G64) 4 Cyl.	99-05	Eclipse, Galant, Outlander (SOHC 16V)	Fel-Pro 26172PT Victor 54329	New 5.193-5.201" Min N/A	HSMT24B
2.4ℓ (4G69) 4 Cyl.	04-09	Eclipse, Galant, Lancer, Outlander (SOHC 16V)	Fel-Pro 26235PT Victor 54488	New " Min "	HSMT24D
2.4ℓ (144) 4 Cyl.	08-13	Lancer, Outlander (DOHC 16V)	Fel-Pro 26557PT Victor N/A	New N/A Min N/A	HSCH24C
2.6ℓ (G54B) 4 Cyl.	83-89	Mighty Max, Montero, Starion	Fel-Pro 8770, 9116PT Victor N/A	New 3.543" Min 3.523"	HSMT26
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"	HSMT30 (2)
3.0ℓ (6G72) V6 (24V)	91-99	3000, Diamante (DOHC)	Fel-Pro 9842, 26186PT Victor 54492	New 5.200-5.210" Min 5.1888"	HSMT30A (2)
3.0ℓ (6G72) V6 (24V)	99-05	Eclipse, Galant, Montero Sport (SOHC)	Fel-Pro 9537PT Victor 54494	New 5.200-5.210" Min 5.1888"	HSMT30A (2)
3.5ℓ (6G74) V6	91-04	Diamante, Montero (DOHC 24V)	Fel-Pro 26186, 26193PT Victor 54142	New 5.200" Min 5.1888"	HSMT35 (2)
3.5ℓ (6G74) V6	97-04	Diamante, Montero (SOHC 24V)	Fel-Pro 26193PT Victor 54143	New 4.7244" Min N/A	HSMT35A (2)
3.7ℓ (226) V6	06-09	Raider (SOHC 12V)	Fel-Pro 26229PT Victor 54250	New N/A Min N/A	HSCH37 (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

MITSUBISHI (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
3.8ℓ (6G75) V6	03-09	Eclipse, Galant, Montero (SOHC 24V)	Fel-Pro 26313 Victor 54143	N/A	HSMT38 (2)
4.7ℓ (285) V8	06-07	Raider (SOHC 16V)	Fel-Pro 26157PT Victor 54237	New 4.585-4.592" Min 4.585"	HSCH47 (2)
4.9ℓ (4M50) 4Cyl	00-04	Med Duty Diesel (DOHC 16V)	Fel-Pro N/A Victor N/A	New 4.190" Min N/A	HSMT4M50
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"	HSMT6M60

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	HSNS12
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"	HSNS12
1.5ℓ (A15) 4 Cyl.	79-82	210, 310	Fel-Pro 21199PT1 Victor N/A	New 2.919-2.925" Min 2.909"	HSNS12
1.5ℓ (E15) 4 Cyl.	82-84	310, Sentra, Pulsar NX (SOHC)	Fel-Pro 9376PT Victor N/A	New 4.724" Min 4.712"	HSNS16
1.6ℓ (E16) 4 Cyl.	83-88	Pulsar, Sentra (SOHC)	Fel-Pro 9376PT Victor N/A	New 4.720-4.724" Min 4.712"	HSNS16
1.6ℓ (GA16I) 4 Cyl.	89-90	Pulsar NX, Sentra NX	Fel-Pro 9645PT Victor 5875	New 4.748-4.756" Min 4.740"	HSNS16A
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"	HSNS16B
1.8ℓ (QG18DE) 4 Cyl.	00-06	Sentra (DOHC 16V)	Fel-Pro 26255PT Victor 54471	New N/A Min N/A	HSNS18

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

NISSAN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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"	HSNS18A
1.8ℓ (MR18DE) 4 Cyl.	07-12	Cube, Versa (DOHC 16V)	Fel-Pro 26338PT Victor 54692	New 5.515" Min N/A	HSNS18B
1.8ℓ (CA18ET) 4 Cyl.	84-87	200 SX Turbo	Fel-Pro 9236PT Victor N/A	New 4.598" Min 4.587"	HSNS20
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"	HSNS20
2.0ℓ 4 Cyl.	77-92	Forklift H20	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSNSH20
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"	HSNS20A
2.0ℓ (MR20DE) 4 Cyl.	07-12	Sentra (DOHC 16V)	Fel-Pro 26338PT Victor 54692	New 5.515" Min N/A	HSNS18B
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"	HSNS24
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"	HSNS24A
2.4ℓ (KA24DE) 4 Cyl.	91-94	240 SX (DOHC 16V)	Fel-Pro 9820PT Victor 5742	New 4.972-4.980" Min 4.964"	HSNS24B
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"	HSNS24B1
2.4ℓ (KA24DE) 4 Cyl.	93-01	Altima (DOHC 16V)	Fel-Pro 9942PT Victor 54098G	New 4.972-4.980" Min 4.964"	HSNS24C
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"	HSNS24D

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

NISSAN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (QR25DE) 4 Cyl.	02-14	Altima, Sentra, Frontier, Rogue	Fel-Pro 26261, 26519, 26520PT Victor 54444, 54593, 54594	New 5.095-5.100" Min N/A	HSNS25
2.5ℓ (SD25) V6	82-88	720 Mini Pickup (Diesel)	Fel-Pro N/A Victor N/A	New 3.545" Min 3.531"	HSNS25D (2)
2.5ℓ 4 Cyl.		K21, K25 Forklift	Fel-Pro N/A Victor N/A	New 4.016" Min N/A	HSNSK25
2.6ℓ (L26) 6 Cyl.	74-75	260Z (SOHC 12V)	Fel-Pro 21157PT-1 Victor N/A	New 4.252" Min 4.232"	HSNS24D
2.8ℓ (L28E) 6 Cyl.	75-80	280Z, 280ZX (SOHC 12V)	Fel-Pro 21157PT-1 Victor N/A	New 4.252" Min 4.232"	HSNS24D
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"	HSNS28
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"	HSNS30 (2)
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"	HSNS30 (2)
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"	HSNS30A (2)
3.0ℓ (VE30DE) V6	92-94	Maxima (DOHC 24V)	Fel-Pro N/A Victor 54495, 54496	New 5.429-5.437" Min 5.421"	HSNS30BL HSNS30BR
3.0ℓ (VQ30DE) V6	95-99	Maxima (DOHC 24V)	Fel-Pro 9508,9509PT Victor 54379,54380	New 4.972-4.980" Min 4.964"	HSNS30DL HSNS30DR
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"	HSNS33 (2)
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	HSNS35L HSNS35R

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

NISSAN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
4.0ℓ (VQ40DE) V6	05-13	Frontier, Pathfinder, Xterra (DOHC 24V)	Fel-Pro 26370 , 26371PT Victor 54479 , 54480	New 4.972-4.980" Min N/A	HSNS40L HSNS40R
5.6ℓ (VK56DE) V8	04-13	Armada, Pathfinder, Titan (DOHC)	Fel-Pro 26372 , 26373PT Victor 54651 , 54652	New 4.972" Min N/A	HSNS56L HSNS56R
		4 & 6 Cyl. Cam Tower Shims L24, L26, L28			HSNSSK6

OLIVER

3.2ℓ (194) 6 Cyl.		77, 77 Super, 177	Fel-Pro 7411B Victor	New Min	HSWAU216
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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	HSPK120

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	HSPE25
5.8ℓ (354) 6 Cyl.		H/D Truck A6.354 Diesel	Fel-Pro 21101B Victor	New Min	HSPE58

PEUGEOT

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

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

PORSCHE

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

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 9384PT Victor N/A	New N/A Min N/A	HSRN20-F3R
2.2ℓ () 4 Cyl.	86-94	Medallion, Renault/Eagle	Fel-Pro N/A Victor N/A	New 4.400" Min N/A	HSRN22

ROVER

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (153) V6	02-05	Freelander (V6) (KV6)	Fel-Pro N/A Victor 54695	New 4.683-4.687" Min 4.683"	HSRR25 (2)
4.0ℓ (241) V8	95-02	Range Rover, Discovery (V8)	Fel-Pro 26532PT Victor N/A	New .903" End of Head - EXH Side Min .883" (0.020" Max)	HSRR39 (2)
4.0ℓ (245) V6	05-08	LR3 (SOHC) (Vin E)	Fel-Pro 26300,26301 Victor	New 4.864" Min N/A	HSFO40BL HSFO40BR
4.4ℓ V8	06-09	Range Rover (V8)	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSRR44L HSRR44R
4.6ℓ (278) V8	96-04	Range Rover, Discovery (V8)	Fel-Pro 26532PT Victor N/A	New .903" End of Head - EXH Side Min .883" (0.020" Max)	HSRR39 (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

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"	HSSB20C
2.0ℓ (B202) 4 Cyl.	85-94	900, 9000 (DOHC 16V)	Fel-Pro 9879PT Victor 5827	New 5.532-5.540" Min 5.512"	HSSB20-1
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"	HSSB20
2.0ℓ (EJ20T) 4 Cyl.	02-05	9-2X (DOHC 16V)	Fel-Pro 26537PT Victor 54467	New 5.02" Min Max Milling .012"	HSSU20 (2)
2.0ℓ (B205) 4 Cyl.	00-03	9-3 (DOHC 16V)	Fel-Pro 26428PT Victor 54630	New 5.532-5.540" Min 5.520"	HSSB20A
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	HSGM22A
2.3ℓ (B234) 4 Cyl.	99	9-3 (DOHC 16V)	Fel-Pro 26431PT Victor 54690	New N/A Min N/A	HSSB20
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"	HSSB20A
2.5ℓ (EJ251/53) 4 Cyl.	05-06	9-2X (SOHC 16V)	Fel-Pro 26170, 26415PT Victor 54493	New 3.839" Min 3.834"	HSSU25 (2)
2.5ℓ (EJ255) 4 Cyl.	06	9-2X (DOHCTURBO16V)	Fel-Pro 26531PT Victor 54642	New 5.020" Min MAX REMOVAL .012"	HSSU25A (2)
3.0ℓ (B308) V6	95-03	9-5, 9000 (DOHC 24V)	Fel-Pro 26189, 26173PT Victor 54636	New 5.272-5.280" Min 5.272"	HSGM30-OPEL

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

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"	HSST19
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"	HSST19A
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	HSGM22A
2.4ℓ (145) 4 Cyl	06-10	Aura, Vue (DOHC)	Fel-Pro 26466PT Victor 54563	New 5.080-5.085" Min N/A	HSGM24B
3.5ℓ (213) V6	07-10	Aura, Vue	Fel-Pro 26324, 26325PT Victor 54648,54649	New N/A Min N/A	HSGM35A (2)
3.9ℓ (237) V6	06-07	Relay	Fel-Pro 26324, 26325PT Victor 54648,54649	New N/A Min N/A	HSGM35A (2)

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"	HSSU18 (2)
1.8ℓ (EA81) 4 Cyl.	80-87	Passenger Cars (OHC)	Fel-Pro 8818PT Victor 3709	New 3.576-3.581" Min 3.556"	HSSU18A (2)
2.0ℓ (EJ20T) 4 Cyl.	02-05	Impreza, WRX (DOHC 16V)	Fel-Pro 26537PT Victor 54467	New 5.019" Min 5.007"	HSSU20 (2)
2.2ℓ (EJ22) 4 Cyl.	90-98	Impreza, Legacy (SOHC 16V)	Fel-Pro 9854PT Victor 5905	New 3.870" Min N/A	HSSU22 (2)
2.2ℓ (EJ251/53) 4 Cyl.	98-01	Impreza, Legacy (SOHC 16V)	Fel-Pro 26415PT Victor 54493	New 3.839" Min 3.834"	HSSU25 (2)
2.5ℓ (EJ251/53) 4 Cyl.	96-11	Baja, Impreza, Legacy, Forrester, Outback, Sport Utility (SOHC/DOHC 16V)	Fel-Pro 26167,26170 26415PT Victor 54493, 54334	New 3.839" Min 3.834"	HSSU25 (2)

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

SUBARU (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.5ℓ (EJ255/57) 4 Cyl.	06-12	Imprezza, Legacy, Forrester, Outback, Sport Utility (DOHC/TURBO 16V)	Fel-Pro 26531PT Victor 54642	New 5.020" Min MAX REMOVAL .012"	HSSU25A (2)
3.0ℓ 6 Cyl.	05-09	B9 Tribeca, Legacy, Outback	Fel-Pro 26534, 26536PT Victor 54656, 54655	New 4.878-4.882" Min N/A	HSSU30 (2)

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	HSSZ10A
1.0ℓ (G10A) 3 Cyl.	92-94	Swift	Fel-Pro 9651PT Victor N/A	New N/A Min N/A	HSSZ10
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"	HSSZ13
1.3ℓ (G13K) 4 Cyl.	89-01	Swift GTI (DOHC)	Fel-Pro 9623PT Victor 5759	New 5.197" Min 5.175"	HSSZ13
1.3ℓ (G13BB) 4 Cyl.	89-01	Swift GTI (SOHC 16V)	Fel-Pro 9623 Victor N/A	New N/A Min N/A	HSSZ13A
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"	HSSZ16
1.8ℓ (G18) 4 Cyl.	96-02	Esteem, Sport Sidekick (DOHC 16V)	Fel-Pro 26278PT Victor 54499	New 4.805" Min N/A"	HSSZ18
2.0ℓ (J20A) 4 Cyl.	99-03	Vitara, Aerio (DOHC 16V)	Fel-Pro 26278PT Victor 54499	New 4.798-4.80" Min N/A	HSSZ18
2.0ℓ (J20A) 4 Cyl.	07-09	SX4 (DOHC 16V)	Fel-Pro 26278PT Victor 54499	New 4.798-4.80" Min N/A	HSSZ18
2.0ℓ (A20DMS) 4 Cyl.	04-08	Forenza, Reno (DOHC 16V)	Fel-Pro 26317PT Victor 54395A	New 5.274-5.276 Min 5.271"	HSIS22

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

SUZUKI (con't)

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

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	HSTO13
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"	HSTO15
1.5ℓ (5EFE) 4 Cyl.	92-95	Paseo (DOHC 16V)	Fel-Pro 9963PT Victor 54428	New 4.220" Min N/A	HSTO15A
1.5ℓ (1NZFE) 4 Cyl.	00-13	Echo, Prius, Yaris (Scoin XA, XB) (DOHC 16V)	Fel-Pro 26258PT Victor 54432	New N/A Min N/A	HSTO15B
1.5ℓ (3AC) 4 Cyl.	83-88	Tercel	Fel-Pro 9082PT Victor N/A	New 3.400" Min 3.425"	HSTO15C
1.6ℓ (4AC) 4 Cyl.	83-88	Corolla, Corolla Coupe	Fel-Pro 9410PT Victor 3756	New 3.400-3.410" Min 3.385"	HSTO16

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

TOYOTA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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
2.0ℓ (2SELC) 4 Cyl.	83-86	Camry, Celica	Fel-Pro 9148PT Victor N/A	New 3.975-3.980" Min 3.965"	HSTO20A
2.0ℓ (3SFE) 4 Cyl.	87-96	Camry, Celica GT, Celica ST	Fel-Pro 9861PT Victor 4920	New 4.965" Min 4.950"	HSTO20
2.0ℓ (3SFE) 4 Cyl.	96-00	RAV 4	Fel-Pro 9861, 9797PT Victor 4920, 4920S	New Min	HSTO20

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

TOYOTA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.0ℓ (3SGELC) 4 Cyl.	86-89	Celica GTS	Fel-Pro 9418PT Victor N/A	New 4.695-4.699" Min N/A	HSTO20B
2.0ℓ (1AZFE) 4 Cyl.	01-03	RAV4 (DOHC 16V)	Fel-Pro 26160PT Victor N/A	New N/A Min N/A	HSTO20C
2.0ℓ (3SGTE) 4 Cyl.	88-95	Celica, MR2 (Turbo)	Fel-Pro 9853PT Victor N/A	New N/A Min N/A	HSTO20D
2.2 (3SFE) 4 Cyl.	90-97	Camry, Celica, MR2	Fel-Pro 9861PT Victor 4920	New 4.965" Min 4.950"	HSTO20
2.2ℓ (20R) 4 Cyl.	75-80	Celica, Corona, P/U	Fel-Pro 21187PT Victor N/A	New 3.960" Min N/A	HSTO22A
2.2ℓ (4YEC) 4 Cyl.	86-89	Van Wagon, Forklift	Fel-Pro 9417PT Victor 5708	New 4.390-4.410" Min N/A	HSTO22B
2.2ℓ (5SFE) 4 Cyl.	90-97	Camry, Celica, MR2	Fel-Pro 9861PT Victor 4920	New 4.963-4.967" Min 4.953"	HSTO22
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"	HSTO24
2.4ℓ (2TZFE) 4 Cyl.	91-97	Previa (DOHC 16V) (Also Supercharged)	Fel-Pro 9831PT Victor 5890	New 5.316" Min N/A	HSTO24A
2.4ℓ (2RZFE) 4 Cyl.	95-04	Tacoma (DOHC 16V)	Fel-Pro 9465PT Victor 54173G	New 5.316" Min N/A	HSTO24B
2.4ℓ (2AZFE) 4 Cyl.	01-13	Camry, Corolla, RAV4, Matrix, Highlander, Solara; SCION tC, xB (05-09)	Fel-Pro 26232PT, 26323PT Victor 54409	New 5.090" Min N/A	HSTO24C
2.5ℓ (2ARFE) 4 Cyl.	09-13	Avalon, Camry, RAV4	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

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

TOYOTA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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
3.4ℓ (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
3.5ℓ (2GRFE) V6	05-13	Camry, Highlander, Rav4, Sienna (DOHC 24V)	Fel-Pro 26321, 26322PT Victor 54536, 54535	New N/A Min N/A	HSTO35L HSTO35R
4.0ℓ (1GRFE) V6	03-13	4Runner, Tacoma, Tundra (OHV 24V)	Fel-Pro 26290, 26330PT Victor 54462, 54463	New N/A Min N/A	HSTO40AL HSTO40AR
4.5ℓ (1FZFE) L6	93-97	Landcruiser (DOHC 24V)	Fel-Pro 26582PT Victor 54466	New 5.312-5.314" Min N/A	HSTO45

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

TOYOTA (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
4.7ℓ (2UZFE) V8	98-09	4-Runner, Landcruiser, Sequoia, Tundra (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	07-13	Landcruiser, Sequoia, Tundra (DOHC)	Fel-Pro 26393, 26394PT Victor 54776, 54777	New 4.645-4.646" Min N/A	HSTO57L HSTO57R

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	N/A	HSTR15

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"	HSVK16-D
1.6ℓ (ME) 4 Cyl.	81-85	Golf, Jetta, Rabbit, Diesel (16V) SOHC	Fel-Pro 8841,8844, 8845PT Victor 3730, 3766	New 5.238" Min 5.220"	HSVK16-D2
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"	HSVK18
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"	HSVK18A
1.9ℓ 4 Cyl.	97-06	Golf, Jetta, Beetle (SOHC Turbo) Diesel	Fel-Pro 26143, 26445,26446PT Victor 54543	New N/A Min N/A	HSVK19D
2.0ℓ 4 Cyl.	90-94	Golf, Jetta, Passat (DOHC) (Water Cooled)	Fel-Pro 9570PT Victor 5872	New 4.660" Min 4.650"	HSVK20
2.0ℓ (ABA) 4 Cyl.	93-02	Golf, Jetta, Passat, Cabrio (SOHC)	Fel-Pro 26164PT Victor 54330	New 5.231" Min 5.221"	HSVK20A
2.0ℓ (AEG) 4 Cyl.	98-06	New Beetle, Golf, Jetta	Fel-Pro 26161PT Victor 54381	New 5.242" Min 5.220"	HSVK20B

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

VOLKSWAGEN (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.1ℓ (KM/WE) 5 Cyl.	84	Quantum	Fel-Pro N/A Victor N/A	New 5.236" Min 5.226"	HSVK22
2.2ℓ (KX/JT) 5 Cyl.	85-88	Quantum	Fel-Pro 9282B Victor N/A	New 5.236" Min 5.226"	HSVK22A
2.4ℓ (AJA/AAB) 5 Cyl.	97-03	Transporter (Diesel) (SOHC)	Fel-Pro N/A Victor N/A	New N/A Min N/A	HSVK24D
2.5ℓ (AAF) 5 Cyl.	90-00	Eurovan/Transporter	Fel-Pro N/A Victor N/A	New 5.230" Min 5.220"	HSVK25
2.5ℓ () 5 Cyl.	05-09	Beetle, Rabbit, Jetta (05-09) (DOHC)	Fel-Pro 26388PT Victor N/A	New N/A Min N/A	HSVK25A
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"	HSVK28
2.8ℓ (AXK) 6 Cyl.	01-05	Eurovan, Golf, Jetta (VR6)	Fel-Pro 26142PT Victor	New 5.492-5.515" Min 5.492"	HSVK28A
3.2ℓ (195) 6 Cyl.	04-08	Golf, Touareg	Fel-Pro 26648PT Victor 54629	New N/A Min N/A	HSVK32
4.0ℓ (241) V6	09-10	<i>Routan (SOHC 24V)</i> (<i>Vin G</i>)	Fel-Pro 26208/26209, 26368/26369PT Victor 54112/54113 54371/54372	New 4.7392-4.749" Min 4.7312"	HSCH35A (2)

VOLVO

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
1.9ℓ (B4204) 4 Cyl.	00-04	S40, V40	Fel-Pro 26641PT Victor 54551	New 5.077-5.081" Min 5.0652"	HSVO20B
2.0ℓ (B20) 4 Cyl.	69-74	142, 144, 145, 1800	Fel-Pro HS 21176B Victor	New 5.753" Min 5.732"	HSVO20

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

VOLVO (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
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"	HSVO24A
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"	HSVO23
2.3ℓ (BT) 5 Cyl.	94-04	850, S60, C70, S70, V70 Turbo	Fel-Pro 26204, 26205PT Victor 54567, 54554	New 5.076-5.080" Min 5.065"	HSVO23A
2.4ℓ (B5254T) 5 Cyl.	98-09	S60, C70, S70, V70 Turbo	Fel-Pro 26204, 26205PT Victor 54567, 54554	New 5.076-5.080" Min 5.065"	HSVO23A
2.4ℓ (B5244S) 5 Cyl.	93-07	850, S40, S60, S70, V70, C70 (10V) (DOHC)	Fel-Pro 26203,26204, 26256PT Victor 54567, 54552	New 5.076-5.080" Min 5.067"	HSVO24A
2.5ℓ (B5254T) 5 Cyl.	04-06	V70, S80 Turbo	Fel-Pro 26205PT Victor 54554	New 5.076-5.080" Min 5.065"	HSVO23A
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"	HSVO24A
2.5ℓ (B5254T2) 5 Cyl.	04-11	C30, C70, S40, V50 (24V)	Fel-Pro Victor 54549	New 5.076-5.080" Min 5.065"	HSVO24B
2.5ℓ (B5254T3) 5 Cyl.	04-11	C70, S40, V50 (24V)	Fel-Pro 26640PT Victor 54547	New 5.076-5.080" Min 5.065"	HSVO25
2.5ℓ (B5254T2) 5 Cyl.	03-09	S60, V70, XC70, XC90 (24V)	Fel-Pro 26256PT Victor 54548	New 5.076-5.080" Min 5.065"	HSVO25A
2.8ℓ (B6284) 6 Cyl.	99-01	S80, (24V)	Fel-Pro 26577PT Victor 54555	New 5.076-5.080" Min 5.066"	HSVO28
2.9ℓ (B6294T) 6 Cyl.	00-05	S80, XC90 (24V)	Fel-Pro 26574, 26576PT Victor 54550, 54553	New 5.077-5.081" Min 5.065"	HSVO29

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

VOLVO (con't)

Engine	Year	Applications	Interchange Nos.	Head Thickness	Shim No.
2.9ℓ (B6304) 6 Cyl.	92-99	S80, 960, S90, V90 (24V) (DOHC)	Fel-Pro 26578PT Victor 54568	New 5.076-5.080" Min 5.064"	HSVO30

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	HSWAU216
3.5ℓ (216) 6 Cyl.		Industrial 185GL Gas & Diesel	Fel-Pro 7411B Victor	New Min	HSWAU216
3.8ℓ (231) 6 Cyl.		Tractor Oliver 88 Gas & Diesel	Fel-Pro 7641B Victor	New Min	HSWAU231
3.8ℓ (232) 6 Cyl.		Industrial VR232 Gas & Diesel Tractor Oliver 1550	Fel-Pro 7411B Victor	New Min	HSWAU216
4.3ℓ (265) 6 Cyl.		Industrial 190GL Tractor Oliver 88	Fel-Pro 7641B Victor	New Min	HSWAU231
5.0ℓ (302) 6 Cyl.		Industrial 195GL	Fel-Pro 7856S Victor	New Min	HSWAU320
5.1ℓ (310) 6 Cyl.		Industrial VRG310	Fel-Pro 8071B Victor	New Min	HSWAU310
5.2ℓ (320) 6 Cyl.		Industrial 195GK	Fel-Pro 7856S Victor	New Min	HSWAU320

INNOVATIVE MACHINE & SUPPLY - 800 736 1875

PERFORMANCE

Engine	Matches	Applications	Notes	Shim No.
Buick V6 Small Block	<i>Fel Pro</i> 1000	Buick Performance 1000 (196, 231, 252)		HSGM1000
Chevrolet 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"	HSGM1003
Chevrolet 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"	HSGM1004
Chevrolet 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"	HSGM1034
Chevrolet 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"	HSGM1044
Chevrolet 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"	HSGM1017
Chevrolet 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"	HSGM1093
Chrysler V8	<i>Fel Pro</i> 1008	273, 318, 340, 360	Gasket bore – 4.180"	HSCH1008
Chrysler V8	<i>Fel Pro</i> 1009	361, 383, 400, 413, 426, 440	Gasket bore – 4.410"	HSCH1009
Chrysler V8	<i>Fel Pro</i> 1039	Chrysler Wedge, Hemi	Large bore & modifications required to fit Hemi. Gasket bore – 4.590"	HSCH1039
Ford 4 Cyl.	<i>Fel Pro</i> 1035	2.3 Liter (Inline Design)	Gasket bore – 3.930"	HSFO1035
Ford V6	<i>Fel Pro</i> 1024	240, 300 (Inline Design)	Gasket bore – 4.180"	HSFO1024
Ford V8	<i>Fel Pro</i> 1021	302 "Boss", 302 SVO, 351W	Not with large overbore Gasket bore – 4.100"	HSFO1021
Ford V8	<i>Fel Pro</i> 1046	302 SVO, 351W	Gasket bore – 4.200"	HSFO1046
Ford V8	<i>Fel Pro</i> 1020	390, 406, 427, 428 CJ, 428 SCJ	Gasket bore – 4.400"	HSFO1020
Pontiac V8 Big Block	<i>Fel Pro</i> 1016	389, 400, 421, 428, 455	Gasket bore – 4.300"	HSGM1016

APPLICATION INDEX

Acurapg. 3
Allis Chalmerspg. 4
AMCpg. 5
Audipg. 6
BMWpg. 6
Cadillacpg. 8
Caterpillarpg. 8
Chryslerpg. 9
Cushmanpg. 13
Daewoopg. 14
Fiatpg. 14
Fordpg. 14
Ford Tractorpg. 20
General Motorspg. 20
GEOpg. 27
Herculespg. 28
Hondapg. 29
Hyundaipg. 32
International Harvesterpg. 33
Infinitipg. 34
Isuzupg. 35
Jaguarpg. 37
Jeep/Eaglepg. 38
John Deerepg. 39
Kiapg. 40
Lexuspg. 41
Mazdapg. 42
Mercedes Benzpg. 45
MG / Austinpg. 47
Mitsubishipg. 47
Nissanpg. 50
Oliverpg. 53
Packardpg. 53
Perkinspg. 53
Peugotpg. 53
Porsche.....pg. 54
Renaultpg. 54
Rover.....pg. 54
SAAB.....pg. 55
Saturn.....pg. 56
Subaru.....pg. 56
Suzukipg. 57
Toyotapg. 58
Triumph.....pg. 62
Volkswagenpg. 63
Volvopg. 63
Waukeshapg. 65
Performance.....pg. 66

NOTES