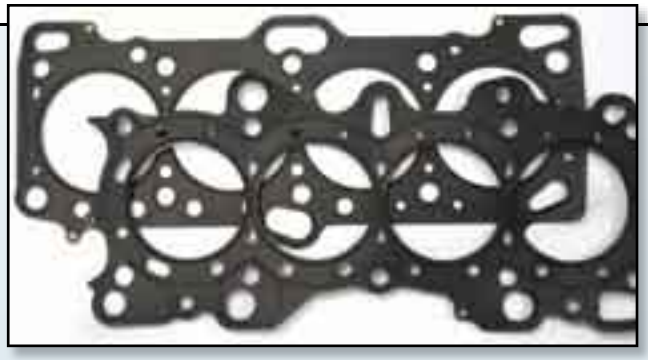
Head Gaskets for Sport Compact

These gaskets use a high pressure steel laminate design. They will withstand extremely high shear forces that occur between an aluminum head and iron block. It's internal embossments expand with heat to create a better seal when under extremely high combustion pressures and temperatures - as is the case with heavy nitrous and turbo-charged applications.



Acura/Honda

Engine Type	Max bore	Thickness	Part #	Notes
B16, B17, B18c	82	0.030	**W6167**	Vtec
B16, B17, B18c	84	0.030	**W6084**	Vtec
B16, B17, B18c	82	0.030	**W6086**	Non Vtec
B16, B17, B18c	85	0.030	**W6291**	Vtec
B18, B20	85	0.030	**W6087**	Non Vtec
B18, B20	84	0.030	**W6089**	Vtec
B18, B20	85	0.030	**W6292**	Hybrid VTEC
B18, B20	86.5	0.030	**W6293**	Hybrid VTEC
D15, D16	78	0.030	**W6085**	
D15, D16	76	0.030	**W6170**	
H22a1/a2	88	0.030	**W6088**	
H22	90	0.030	**W6412**	
K20a1/a2/a3	87	0.030	**W6295**	
K20a1/a2/a3	89	0.030	**W6296**	
NSX 3.0 and 3.2	95	0.030	**W6294**	Need 2

BMW

Engine Type	Max bore	Thickness	Part #	Notes
M10b18/b20	90	0.052	**W6297**	1972-1988
M10	92	0.065	**W6300**	1766 and 1990cc
S14B20/B23	95	0.065	**W6301**	1986-1992
Mini Cooper	78.5	0.027	**W6298**	
S50B30/S52B32 U.S.	87	0.065	**W6299**	1992-99 M3-Z3

Chrysler

Engine Type	Max bore	Thickness	Part #	Notes
2.0 & 2.4 Neon	87.5	0.040	**W6168**	420a
2.0 & 2.4 Neon	88.5	0.040	**W6169**	420a
2.2 SOHC	89.5	0.065	**W6303**	1982-90
2.5 SOHC	89.5	0.065	**W6303**	1986-95
2.2 DOHC	89.5	0.065	**W6302**	91-93

Ford

Engine Type	Max bore	Thickness	Part #	Notes
2.0 SOHC NEP	92.5	0.040	**W6305**	
2.3	3.840	0.040	**W6306**	Pinto
Ford/Mazda 2.0L	84	0.036	**W6337**	FS engine code

GM

Engine Type	Max bore	Thickness	Part #	Notes
ECOTEC 2.2	87	0.040	**W6307**	

Mazda

Engine Type	Max bore	Thickness	Part #	Notes
Miata 1.6	80	0.040	**W6308**	
Ford/Mazda 2.0L	84	0.036	**W6337**	FS engine code

Mitsubishi

Engine Type	Max bore	Thickness	Part #	Notes
4G63	87	0.054	**W6091**	1st gen, 2nd gen,
4G63	86	0.054	**W6309**	Evo 8
4G63/4G64	88	0.050	**W6038**	Copper
6G72	95	0.054	**W6171**	3000GT
420a	88.5	0.040	**W6169**	non turbo Eclipse

Nissan

Engine Type	Max bore	Thickness	Part #	Notes
SR20/SR20DET	88.5	0.030	**W6172**	
KA24DE	90	0.040	**W6310**	
FJ20	90	0.040	**W6311**	
VG30DETT	88	0.040	**W6312**	
VQ35	96	0.030	**W6422** **W6423**	Right Left

Subaru

Engine Type	Max bore	Thickness	Part #	Notes
EJ20	93	0.054	**W6174**	
EJ22SOHC TURBO	98	0.054	**W6319**	
EJ22T	98	0.040	**W6432**	
EJ25	100	0.040	**W6320**	

Toyota/Lexus

Engine Type	Max bore	Thickness	Part #	Notes
4AGE	83	0.040	**W6092**	
2TC/3TC	89	0.040	**W6175**	
20R/22R/22RE	95	0.040	**W6176**	
3SGTE	87	0.040	**W6328**	
5S-FE	88	0.040	**W6329**	
7MGTE	84	0.054	**W6327**	1986-1992 Supra
2JZGTE	87	0.054	**W6326**	1993+Supra

Volkswagen

Engine Type	Max bore	Thickness	Part #	Notes
AAM/ABS/ADZ 1.8	83	0.054	**W6177**	
2E/ADY/ABF/AGG/9A	85	0.054	**W6178**	

CARRILLO The Choice Remains

Rods for Sport Compact

Carrillo is acknowledged as the world leader in connecting rods. Thorough research and development of individual engine applications take into account the engine's architecture and the loads it will see. You will see no "one size fits all" forgings, which ultimately add reciprocating weight and stress to the engine. Although other companies have copied the look of a Carrillo Rod, it's the metallurgy that ultimately determines the strength of the connecting rod.

Carrillo uses proprietary chrome, nickel, moly vanadium alloys purchased in lots of 100 metric tons. This is a custom designed material meeting all vacuum arc re-melt ASTM standards. The heat is validated, both by the supplier and an independent metallurgist to confirm the physical and chemical properties of steel. All heat treat processes are via a mar-aged operation resulting in UTS of 195,000 and a yield of 182,000 while maintaining the critical element of low notch-sensitivity and ductility. All critical CNC machines at Carrillo or equipped with probing to accurately validate dimensional integrity. Each part is magnafluxed at least twice. Each piece is Rockwell tested to validate the heat treat.

A final 200% shot-peen operation completes the part. Rod bolts are jointly designed by SPS and Carrillo. H11 tool steel w/220,000 UTS as well as Multi-phase ™ 285,000 UTS are the materials used. Each fastener employs a patented thread design as well as the highest dimensional integrity in the industry. Each lot is sample tested destructively as well for UTS and Fatigue.

PRO H Design *(Sold as singles)*

MODEL	CYL	PART NUMBER*	BOLT SIZE	LENGTH		BIG END BORE		PIN DIA	WEIGHT GRAMS**
				Inches	Metric	Inches	Metric		Tot. / Rotate / Recip.
ACURA/HONDA									
Honda B16A V-TEC	4	HN-B16A>-55287S	5/16 CARR	5.287	134.30	1.890	47.998	21mm	441 / 323 / 118
Honda B18C V-TEC	4	AA-VTC>-65433S	3/8 CARR	5.433	138.00	1.890	47.998	21mm	505 / 366 / 139
Honda B18C V-TEC	4	AA-VTC>-65433H	3/8 WMC	5.433	138.00	1.890	47.998	21mm	500 / 361 / 139
Honda B18A, B	4	HN-B18>-65394H	3/8 WMC	5.394	137.00	1.890	47.998	21mm	515 / 381 / 134
Honda B18A, B	4	HN-B18>-65394S	3/8 CARR	5.394	137.00	1.890	47.998	21mm	515 / 381 / 134
Acura RSX, '03 Civic SI (K20A)	4	AA-RSX>-65472S	3/8 CARR	5.472	139.00	2.008	51.003	22mm	526 / 375 / 151
Acura RSX, '03 Civic SI (K20A)	4	AA-RSX>-65472H	3/8 WMC	5.472	139.00	2.008	51.003	22mm	521 / 370 / 151
NISSAN									
Nissan RB26	6	DA-RB2>-64783S	3/8 CARR	4.783	121.50	2.008	51.003	21mm	507 / 371 / 136
Nissan RB26	6	DA-RB2>-64783H	3/8 WMC	4.783	121.50	2.008	51.003	21mm	502 / 366 / 136
Nissan SR20	4	NI-SR2>-65364S	3/8 CARR	5.364	136.25	2.008	51.003	22mm	545 / 388 / 157
Nissan SR20	4	NI-SR2>-65364H	3/8 WMC	5.364	136.25	2.008	51.003	22mm	540/ 383 / 157
Nissan VG30	6	NI-VG3>-66070S	3/8 CARR	6.070	154.20	2.087	53.000	22mm	556 / 389 / 167
Nissan VG30	6	NI-VG3>-66070H	3/8 WMC	6.070	154.20	2.087	53.000	22mm	551 / 384 / 167
Nissan VQ35	6	NI-Q35>-65676S	3/8 CARR	5.676	144.20	2.165	55.000	22mm	544 / 383 / 161
Nissan VQ35	6	NI-Q35>-65676H	3/8 WMC	5.676	144.20	2.165	55.000	22mm	539 / 378/ 161
MAZDA									
Mazda Miata 1.6/ 1.8	4	MA-323>-55234S	5/16 CARR	5.234	133.00	1.890	48.014	20mm	440 / 310 / 130
MITSUBISHI									
Mitsibishi - 4G63 2nd Gen & Lancer EVO	4	MI-4G6T>-65906S	3/8 CARR	5.906	150.00	1.890	47.998	22mm	567 / 396 / 171
Mitsibishi - 4G63 2nd Gen & Lancer EVO	4	MI-4G6T>-65906H	3/8 WMC	5.906	150.00	1.890	47.998	22mm	566 / 393 / 173
SUBARU									
Subaru 2ltr & STI 2.5	4	SB-2LTR>-65137S	3/8 CARR	5.137	130.50	2.165	55.000	23mm	524 / 374 / 150
Subaru 2ltr & STI 2.5	4	SB-2LTR>-65137H	3/8 WMC	5.137	130.50	2.165	55.000	23mm	519 / 368 / 151
TOYOTA									
Toyota Supra 2JZ	6	TO-2JZ>-65590S	3/8 CARR	5.590	142.00	2.167	55.032	22mm	600 / 428 / 172
Toyota Supra 2JZ	6	TO-2JZ>-65590H	3/8 WMC	5.590	142.00	2.167	55.032	22mm	595 / 423 / 172
Toyota 3SG	4	TO-3SG>-65433S	3/8 CARR	5.433	138.00	2.008	51.003	22mm	
Toyota 3SG	4	TO-3SG>-65433H	3/8 WMC	5.433	138.00	2.008	51.003	22mm	
VOLKSWAGEN									
Volkswagen GTI 1.8L	4	VW-GTI>-65670S	3/8 CARR	5.670	144.00	1.993	50.617	20mm	578 / 408 / 170
Volkswagen GTI 1.8L	4	VW-GTI>-65670H	3/8 WMC	5.670	144.00	1.993	50.617	20mm	573 / 403 / 170

H-Beam

Often imitated but never equalled, Carrillo's H-Beam design is the absolute strongest and best quality connecting rod you can buy.

A-Beam

Carrillo's latest A-Beam design is economically priced, yet engineered with the strength-to-weight ratio needed for each individual engine application.

PRO A Design *(Sold as singles)*

MODEL	CYL	PART NUMBER*	BOLT SIZE	LENGTH		BIG END BORE		PIN DIA	WEIGHT GRAMS**
				Inches	Metric	Inches	Metric		Tot. / Rotate / Recip.
ACURA / HONDA									
Honda / Acura B16A V-TEC	4	HN-B16<A-55287H	5/16 WMC	5.287	134.30	1.890	47.998	21mm	420 / 303 / 117
Honda / Acura B18A & B18B	4	HN-B18<A-55394H	5/16 WMC	5.394	137.00	1.890	47.998	21mm	421 / 305 / 116
Honda / Acura B18C V-TEC	4	AA-VTC<A-55433H	5/16 WMC	5.433	138.00	1.890	47.998	21mm	411 / 291 / 120
Honda / Acura H22 V-TEC	4	HN-2.2< A-65636H	5/16 WMC	5.636	143.00	2.008	51.003	22mm	484 / 359 / 125
MAZDA									
Mazda Miata 1.6/ 1.8	4	MA-323<A-55234H	5/16 WMC	5.234	133.00	1.890	48.014	20mm	416 / 291 / 125
MITSUBISHI									
Mitsibishi - 4G63 1st Gen	4	MI-4G6<A-65906H	3/8 WMC	5.906	150.00	1.890	47.998	21mm	516 / 374 / 142
Mitsibishi - 4G63 2nd Gen & Lancer EVO	4	MI-4GT<A-65906H	3/8 WMC	5.906	150.00	1.890	47.998	22mm	509 / 366 / 143
NISSAN									
Nissan RB26	6	DA-RBA<-64783H	3/8 WMC	4.783	121.50	2.008	51.003	21mm	474 / 358 / 116
Nissan SR20	4	NI-SR2A<-65364H	3/8 WMC	5.364	136.25	2.008	51.003	22mm	511 / 374 / 137
Nissan VG30	6	NI-VG3<A-66070H	3/8 WMC	6.070	154.20	2.087	53.000	22mm	499 / 363 / 136
Nissan VQ35	6	NI-Q35<A-65676H	3/8 WMC	5.676	144.20	2.165	55.000	22mm	493 / 363 / 130
SUBARU									
Subaru 2ltr and STI 2.5	4	SB-2LTR<A-65137H	3/8 WMC	5.137	130.50	2.165	55.000	23mm	509 / 369 / 140
TOYOTA									
Toyota Supra 2JZ	6	TO-2JZ<A-65590H	3/8 WMC	5.590	142.00	2.167	55.032	22mm	524 / 385 / 139
Toyota 3SG	4	TO-3SG<A-65433H	3/8 WMC	5.433	138.00	2.008	51.003	22mm	532 / 389 / 143
VOLKSWAGEN									
Volkswagen GTI 1.8L	4	VW-GTI<A-65670H	3/8 WMC	5.670	144.00	1.993	50.617	20mm	

H = H-11 Tool steel bolts (220,000 PSI Tensile)
S = SPS Carr bolts (285,000 Tensile)
Weights and dimensions are for reference only. Actual weight may vary. All sets weight matched to +1 gram per end.

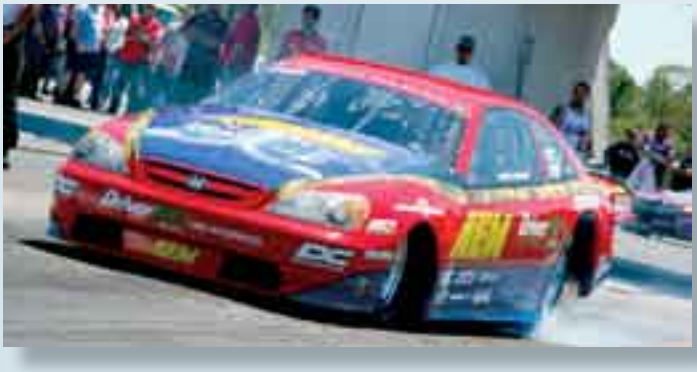
Brush Hones

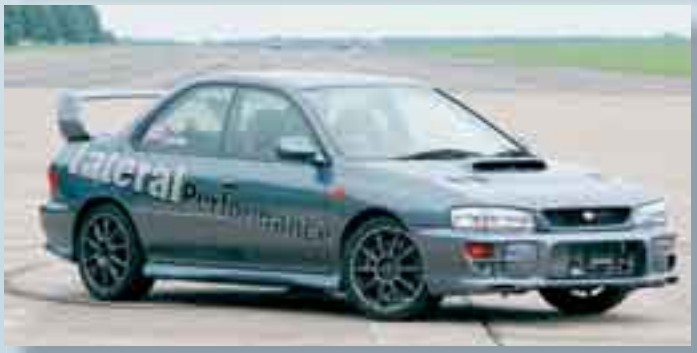
These Brush hones have been specifically designed to clean the surface of the cylinder bore and provide a fresh cross-hatched surface without removing material (which can increase piston to wall clearance and ring end gap).

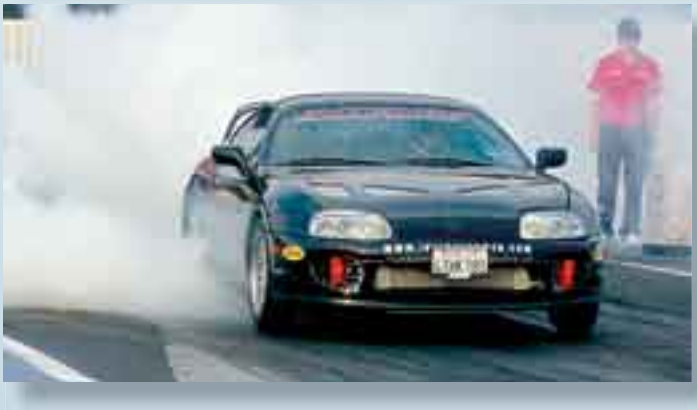
Always use an ample amount of honing oil to carry away debris. Wash cylinders thoroughly, with lacquer thinner, until paper towels remain clean with no signs of discoloration.

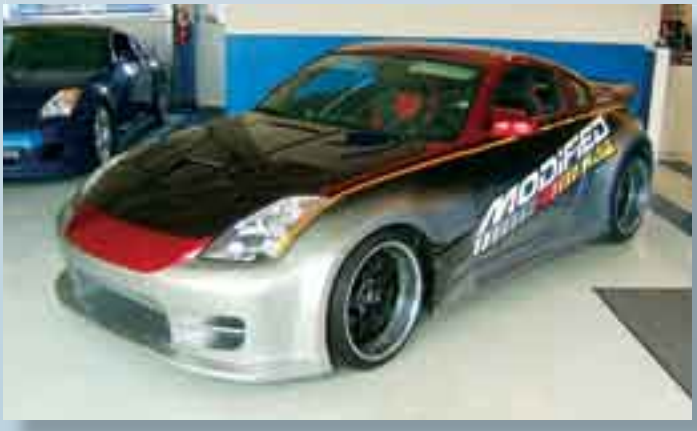
Nylon Soft Hone Brushes

Bore Range (mm)	Bore Range (Inches)	Part No.	Brush Length	Overall Length	Price
45-57mm	1.77”-2.24”	W6075	2”	10”	$42.01 (D0873)
57-70mm	2.24”-2.76”	W6076	3”	10”	$43.44 (D0193)
63-76mm	2.48”-2.99”	W6077	4”	14”	$54.51 (D0094)
76-89mm	2.99”-3.50”	W6078	4”	14”	$56.79 (D1115)
89-102mm	3.50”-4.02”	W6079	4”	14”	$56.79 (D1115)









Tapered Ring Compressor Sleeves

- Machined from Wiseco sleeve forgings to offer the same toughness as Wiseco's forged pistons.
- Hard anodized and Teflon coated for low friction and prolonged wear resistance.
- Sleeves have a smooth radius that tapers down to the specific bore size.
- Compresses the piston rings smoothly and evenly.
- Greatly reduces the difficulty with installing thin high-performance oil rings.

Ring Compressor Sleeves

Part No.	Bore Size (mm)	Bore Size (inches)
RCS06550	65.50	2.579
RCS06600	66.00	2.598
RCS06650	66.50	2.618
RCS06700	67.00	2.638
RCS06750	67.50	2.657
RCS06800	68.00	2.677
RCS07300	73.00	2.874
RCS07400	74.00	2.913
RCS07500	75.00	2.953
RCS07600	76.00	2.992
RCS07700	77.00	3.032
RCS07800	78.00	3.071
RCS07900	79.00	3.110
RCS08100	81.00	3.189
RCS08150	81.50	3.209
RCS08200	82.00	3.228
RCS08400	84.00	3.307
RCS08450	84.50	3.327
RCS08500	85.00	3.346
RCS08550	85.50	3.366
RCS08600	86.00	3.386
RCS08650	86.50	3.406
RCS08700	87.00	3.425
RCS08750	87.50	3.445

Part No.	Bore Size (mm)	Bore Size (inches)
RCS08800	88.00	3.465
RCS08900	89.00	3.504
RCS08950	89.50	3.524
RCS09000	90.00	3.543
RCS09050	90.50	3.563
RCS09100	91.00	3.583
RCS09200	92.00	3.622
RCS09250	92.50	3.642
RCS09300	93.00	3.661
RCS09350	93.50	3.681
RCS09400	94.00	3.701
RCS09450	94.50	3.720
RCS09500	95.00	3.740

Part No.	Bore Size (mm)	Bore Size (inches)
RCS09550	95.50	3.760
RCS09600	96.00	3.780
RCS09700	97.00	3.819
RCS09750	97.50	3.839
RCS09800	98.00	3.858
RCS09850	98.50	3.878
RCS09900	99.00	3.898
RCS09950	99.50	3.917
RCS10000	100.00	3.937
RCS10100	101.00	3.976
RCS10200	102.00	4.016
RCS10400	104.00	4.094

Optional Heavy Duty Piston Pins

Part #	Description	Gram Weight
S707	19mm x 2.500" (.200" wall)	109
S708	20mm x 2.500" (.200" wall)	117
S733	21mm x 2.002" (.225" wall)	108
S709	21mm x 2.500" (.200" wall)	125
S734	22mm x 2.002" (.225" wall)	115
S710	22mm x 2.500" (.200" wall)	132
S729	23mm x 2.500" (.200" wall)	140

	Top Ring	2nd Ring	Oil Ring
VF Ring Set	1.2mm (.047") Alloy steel Phos. coated Chrome faced	1.5mm (.057") Cast iron Phosphate coated Taper faced	2mm (.079") 3-piece oil assembly: Stainless stl. flex-vent spacer Chrome faced rails
XC Ring Set	1mm (.039") Alloy steel Ferrox coated Chrome faced	1.2mm (.047") Cast iron Phosphate coated Taper faced	2.8mm (.110") 3-piece oil assembly Stainless stl. flex-vent spacer Chrome faced rails
XX Ring Set	1mm (.039") Stainless steel Gas Nitrided barrel faced	1.2mm (.047") Cast iron Phosphate coated Taper faced Napier hook	2.8mm (.110") 3-piece oil assembly Stainless stl. flex-vent spacer Gas nitrided rails
GF Ring Set	1.2mm (.047") Alloy steel Ferrox coated Chrome faced	1.2mm (.047") Cast iron Phosphate coated Taper faced	3mm (.118") 3-piece oil assembly Stainless stl. flex-vent spacer Chrome faced rails
E Ring Set	2.0mm (.078") Alloy steel Ferrox coated Chrome faced	2.0mm (.078") Cast iron Phosphate coated Taper faced	4mm (.118") 3-piece oil assembly Stainless stl. flex-vent spacer