VW/AUDI HEAD BOLT WRENCHES - 6 PT RIBE

Long for deep-reach applications. Ribe wrenches service many other vehicle fasteners, including Trim, Cam Cover & Headlights. 1/2" drive.

No.	Size
9260	9mm
9262	10mm
9264	12mm
9266	14mm

9255 3 PC. VW/AUDI HEAD BOLT WRENCH SET

150mm long wrenches service VW & Audi headbolts. Include 10mm & 12mm Triple-Square "XZN" 12-Point & #9 Ribe/Poli-drive. 1/2" drive.

5075 VW TDI INTAKE MANIFOLD SOCKET - XZN 10

Special rounded end. Services 2.0L 4V Turbocharged common rail TDI engine 13-18 VW Golf & Audi A3. 1/2" Drive. Compare to Factory Tool: T10501.

NEW!

9259 BMW HEAD BOLT WRENCH - E12 TORX®

Fits cylinder head bolts on BMW M42 & M50. 1/2" drive & 6" (15cm) shaft.

9245 2 PC. BMW HEAD BOLT WRENCH SET

200mm & 230mm extra-long T50 & T60 Torx® wrenches reach N52 non-Turbo & N54/N55 Turbo. Both sizes required. 1/2" drive. Comparable to BMW Factory Tool #114420.
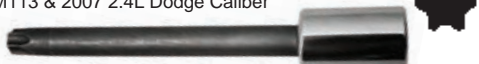
No.	Size
9243	T50
9244	T60

9257 BENZ HEAD BOLT WRENCH - T55 TORX®

Services 98-05 M112/M113 & 2007 2.4L Dodge Caliber w/ New World Engine. OAL: 5-7/8" (150mm). 1/2" drive.

1420 CYLINDER HEAD BOLT REPAIR KIT - 11.5MM x 1.5

Designed for Honda (B16 engine), Toyota & more. Longer thread inserts for maximum engagement on specific applications. Includes (1) HSS drill bit, (1) STI tap & (5) 1.5D solid inserts. Packed in plastic tray case.

No.	Description
1421	11mm x 1.5 Solid Insert (5 Pack)
1422	M11 - 1.5 HSS STI Tap
1423	11.5mm HSS Drill

TOYOTA HEAD BOLT WRENCHES - DOUBLE HEX

12-point wrenches fit Toyota engine head bolts. 8mm applications include Toyota, Lexus & Scion up to 2006. Use 10mm for 2007+ applications.

No.	Size
9290	8mm x 1/2" Drive - OAL: 4.5"
9292	10mm x 1/2" Drive - OAL: 4.5"
9295	2 Pc. Set (9290 & 9292)
9288	8mm x 3/8" Drive - OAL: 4"

9258 FORD 6.0L HEAD BOLT REMOVER

3/4" drive to transmit high torque needed to loosen & tighten head bolts. Allows access to rear head bolts w/o removing cab from chassis, prevents damage to rear heat shield w/o removing evaporator housing.

2450 2 PC. PLASTIGAGE® SET

Measures clearances of engine rod & main bearings w/o expensive micrometers. Helps choose proper size replacement bearing inserts. Sets of two sizes: (.001" - .003" & .002" - .006"/.025 - .08mm & .05 -.15mm) covers all auto engines.

No.	Size	Pack Qty
2450X01	.001 - .003"	100 bulk
2450X02	.002 - .006"	100 bulk

2028 PISTON RING INSTALLER

Installs & removes piston rings w/o breakage. Spring loaded. 2-1/2 to 6-1/4" (64 - 159mm) range.

2020 PISTON RING COMPRESSOR SET

Installs 2-7/8 to 4-3/8" (73-111mm) piston rings. Includes ratcheting pliers & 6 sizes of 1-1/2" wide compressor bands. Works parallel or perpendicular to cylinder block.

PISTON RING COMPRESSORS

Ratchet mechanism w/ square drive tool to adjust diameter, enlarged crimped edge prevents compressor entering cylinder. Spring steel w/ double band design.

No.	Depth	Range
2025	3-1/2" (89mm)	2-1/8" to 5"
2027	3-1/2" (89mm)	3-1/2" to 7"
2026	6-1/2" (165mm)	3-1/2" to 7"

2035 PISTON GROOVE CLEANER

Removes carbon from ring grooves 2 - 5" (51 - 127mm). 2 cutter wheels: SAE - 1/16, 5/64, 3/32, 1/8, 5/32, 3/16 & 1/4". Metric - 2, 2.5, 3, 4 & 4.5mm.

5082 BENZ / BMW RAIL PIN SLIDE HAMMER SET

Includes: Slide hammer w/ bolts. Sizes: M6x150mm, M6x100mm, M6x50mm, M8x150mm, M8x50mm, M10x100mm & M24x1.5mm. Services: ML350, E320, E420, E500, CL600, S350, SL320, SL500, SL600, Sprinter 2500 & more. Compare to Factory Tool: 156589003400

NEW!

7645 BENZ/BMW GUIDE RAIL PIN PULLER

Removes stubborn pins from cylinder head. 85mm OAL for access in tight areas where slide hammers won't fit. Services Benz M102, M110, M115, M116, M117, M130, OM601, OM602, OM603, OM615, OM616 & OM617.

ENGINE CYLINDER HONES

Resurface cylinder walls. Adj diameter & tension settings. Flex shaft fits variable speed drill. Medium grit (220).

No.	Range	Stone Length
2300	1.25-3.5" (32-89mm)	2" (51mm)
2325	2-5" (51-127mm)	3" (76mm)
2310	2-7" (51-178mm)	4" (102mm)

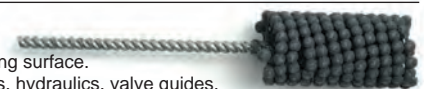## ENGINE HONE REPLACEMENT STONES

Set of three stones with cotter pins.

No.	Hone No.	Length	Grit
2305	2300/1130	2" (51mm)	Medium - 220
2315	2310	4" (102mm)	Medium - 220
2316	2310	4" (102mm)	Fine - 400
2317	2310	4" (102mm)	Coarse - 100
2318	2300/2325	3" (76mm)	Medium - 220
2319	2300/2325	3" (76mm)	Fine - 400
2320	2300/2325	3" (76mm)	Coarse - 100

FLEX HONES

Removes cut, torn, & folded metal to produce long wearing surface. For engine & brake cylinders, hydraulics, valve guides, lifter bores, diesel cylinders, cam bearings, and more! All stones are 180 grit silicon carbide.

No.	Diameter	No.	Diameter	No.	Diameter	No.	Diameter
2271	.55"/14mm	1141	0.94"/24mm	1148	1.61"/41mm	1154	2.52"/64mm
2268	.62"/16mm	1142	1.00"/25.4mm	1149	1.77"/45mm	1155	2.64"/67mm
2269	.71"/18mm	1144	1.14"/29mm	1150	2.01"/51mm	1156	2.76"/70mm
2270	.75"/19mm	1145	1.25"/31mm	1151	2.13"/54mm	1157	2.87"/73mm
1139	.79"/20mm	1146	1.40"/35mm	1152	2.24"/57mm	1158	2.99"/76mm
1140	.87"/22mm	1147	1.50"/38mm	1153	2.36"/60mm		

ENGINE CYLINDER FLEX HONES

No.	Diameter	No.	Diameter
2274	3.27"/83mm	2280	4.13"/105mm
2276	3.5"/89mm	2282	4.64"/118mm
2278	3.74"/95mm		

H.D. ENGINE CYLINDER FLEX HONES

No.	Diameter	No.	Diameter	No.	Diameter	No.	Diameter
2284	2.99"/76mm	2292	3.98"/101mm	2298	5.51"/140mm	2402	7.0"/178mm
2286	3.27"/83mm	2294	4.25"/108mm	2400	5.98"/152mm	2403	7.5"/190mm
2288	3.5"/89mm	2296	4.49"/114mm	2401	6.50"/165mm	2404	8.0"/203mm
2290	3.74"/95mm	2297	5.00"/127mm				