

CORDS

ESTABLISHED 1937

Piston Rings



Certification No. FM 12984

Terms and conditions

Conditions of Sale

1. All quotations are given and orders accepted subject to materials and labour being available. We will not hold ourselves responsible for any delays in delivery caused by strikes, lock-outs, fire, war, breakdown of machinery or any other contingency arising from circumstances beyond our control.
2. We will not hold ourselves responsible for goods lost or damaged in transit. Claims in connection with any such loss or damage should be made without delay to the Royal Mail or transport organisation concerned.
3. Our guarantee is limited to replacing parts of our own manufacture proved to be of faulty material and/or workmanship, and we will not be responsible for any consequential losses or damage of any kind. Parts alleged to be defective must be returned to our works, carriage paid, with a note stating the nature of the complaint.
4. The provisions of the preceding warranty are in substitution for and to the exclusion of all conditions, warranties of liabilities of any kind expressed or implied relating to goods sold whether as to fitness or otherwise for any particular purpose and whether arising under the Sale of Goods Act 1895 (other than under the substituted Section 12 thereof) or other statute, or in tort of contract or by implication of law or otherwise. In no event shall we be liable for any claims except as provided for in these conditions and in no circumstances (except ones including a breach of the implied undertakings contained in the said substituted Section 12) shall we be liable for any injury, loss or damage whether direct, indirect, consequential or otherwise whatsoever, howsoever arising in respect of goods sold or service provided under our contract with you.
5. We will not hold ourselves responsible for any consequential loss, damage or faulty workmanship of other contractors whilst acting as an agent.
6. We will accept no responsibility for any parts altered after leaving our works.
7. Unless a ledger account has been opened against approved references, cash must accompany all orders or be paid against a pro-forma invoice, or at our option goods will be despatched C.O.D.
8. The title to and property in all goods supplied by us under this contract shall remain vested in us until the full purchase price and all delivery and installation charges (if any) in respect thereof and all other sums currently due and payable by you to us under any other contract whatsoever shall have been paid in full. Failure on the purchaser's part to pay the purchase price and any such charges in full in accordance with condition 9 hereof (terms of payment) or continued failure on your part to pay any such other sums shall give us under this contract without prior notice and without prejudice to our right to avail ourselves of any other legal remedy. In the event of any such goods being sold by the purchaser to a third party before the title therein has passed hereunder the purchaser shall hold the proceeds of sale upon trust for us and immediately account to us for any such proceeds or instalments thereof received provided always that the purchaser's obligation to hold on trust and account as aforesaid shall be limited to the total of the above mentioned purchase price charges and other sums remaining unpaid at the time of the relevant receipt.
9. Subject to the provisions of Clause 8 hereof, all credit accounts are due for payment on the last day of the month following the month of delivery and all accounts are payable net.
10. All postage and carriage charges are payable by the customer unless other arrangements have been made and confirmed in writing.
11. Goods despatched in accordance with customers' orders may be returned for credit or exchange if in good condition less a handling charge to be determined on inspection but all such goods must be despatched to us carriage paid within 3 months of the original invoice. Goods of our own manufacture returned due to any failing on our part will be exchanged or credited in full. Goods made to customers' special orders cannot be accepted for credit or exchange.
12. Owing to frequent fluctuation in the prices of raw materials and other expenses, orders can only be accepted for delivery at prices ruling on the date of despatch.
13. All drawings, specifications and particulars of weights and dimensions in this catalogue are approximate only and are intended merely to present a general idea of the goods described therein and none of them shall form part of any contract subsequently entered into.
14. The placing of an order with us implies that the purchaser is to sell our products at the recommended retail prices shown in our current price list, subject to the standard rate of discount to trade and other users agreed by us.
15. No product of Cords Piston Ring Company may be exhibited by the purchaser, or with his tacit and implied consent, at any exhibition, show or trade fair held in the United Kingdom, without the written permission of the Company.
16. The purchaser will indemnify us against all actions, proceedings claims, costs, demands and expenses brought or made against or incurred by us as a result of work done at his request in accordance with designs or specifications furnished by him and which include or may include the infringement of any letters patent, registered design or trade mark.
17. **(Arbitration)** - If at any time any question, dispute or difference whatsoever shall arise between the purchaser and ourselves upon, in relation to or in connection with the terms and conditions contained herein, either party may give to the other notice in writing of the existence of such question, dispute, or difference and the same shall be referred to the arbitration of a person to be mutually agreed upon, or failing agreement within fourteen days of receipt of such notice, of some person appointed by the President for the time being of the Society of Motor Manufacturers & Traders.
18. **(Legal construction)** - Unless otherwise agreed in writing any contract entered into by us with a purchaser shall in all respects be construed and operate as an English Contract and in conformity with English Law.
19. All orders are accepted by us on the above conditions only and the placing of an order with us implies that the customer agrees to be bound thereby.

CORDS

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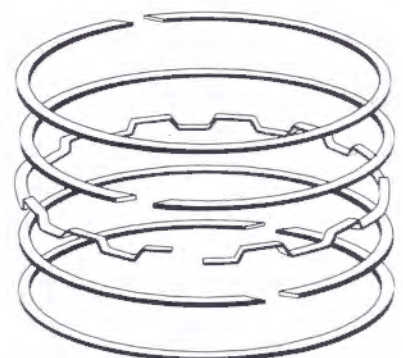
Piston Rings for

1. Automotive Engines (*Cars, LCV, etc.*)
2. Small Industrial Engines (*Lawnmowers, Tillers, Generators, etc.*)
3. Air Compressor Parts

The Ring Leaders



Certification No. FM 12984



Piston ring sets and steel rings for special application

Cords Piston Ring Company Limited has an established reputation for quality of product and service in providing piston ring sets to the automotive replacement market.

The ring sets contain multi segment steel rings and are manufactured for petrol and diesel engines (without the need to re-machine the piston) to restore the compression and oil control performance in re-built engines.

The steel rings conform to the tapered and oval condition in worn bores and each set is supplied with cast iron or steel top rings.

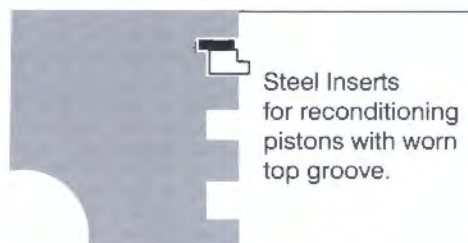
The ring sets are available to suit standard and oversized bores and most of the sets listed can be supplied from stock.

The Cords steel compression and oil control rings are equally suitable as Original Equipment for new engines, giving good performance and long life.

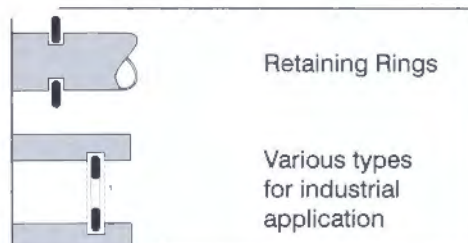
The company has a policy of research and development to ensure that Cords rings are able to meet with changes in engine design.



Replacement
Ring Sets



Steel Inserts
for reconditioning
pistons with worn
top groove.



Retaining Rings

Various types
for industrial
application

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Piston ring types

Oil Control Rings

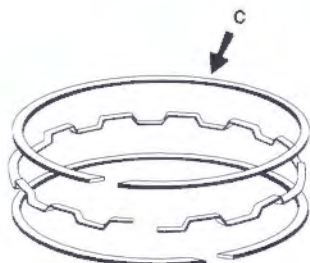
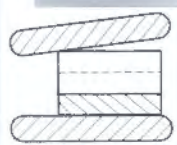
Cast Iron

Slotted drain oil.

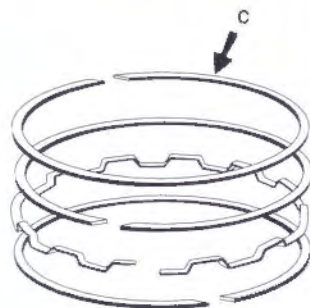
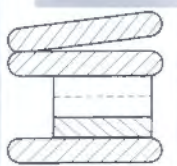


Oilguard Multi-piece Steel

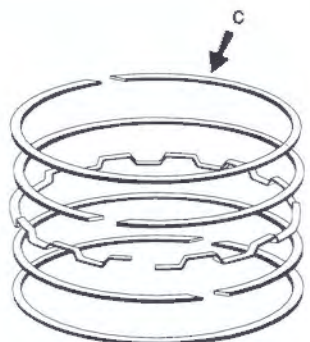
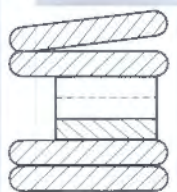
3 Pieces per groove.



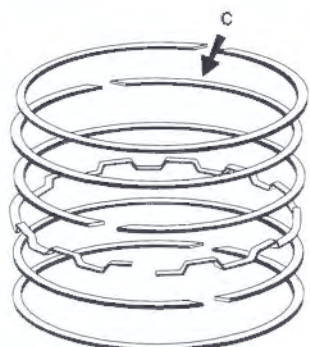
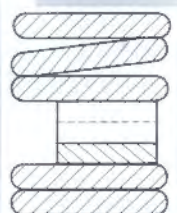
4 Pieces per groove.



5 Pieces per groove.



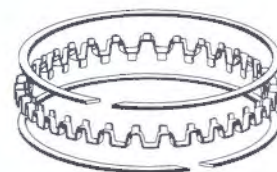
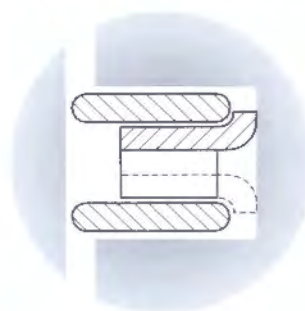
6 Pieces per groove.



c = cupped segment.

CORDSFLEX

Spacer Expander



Typical 3 Ring Piston Layout

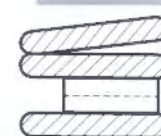
Ridge Dodger top compression ring.



Steel segment compression ring.
Exerts axial pressure to seal on the sides of the groove



'Oilguard' multi steel segment oil control ring with ventilated spacer for oil drainage.
Exerts axial pressure to seal on the sides of the grooves.



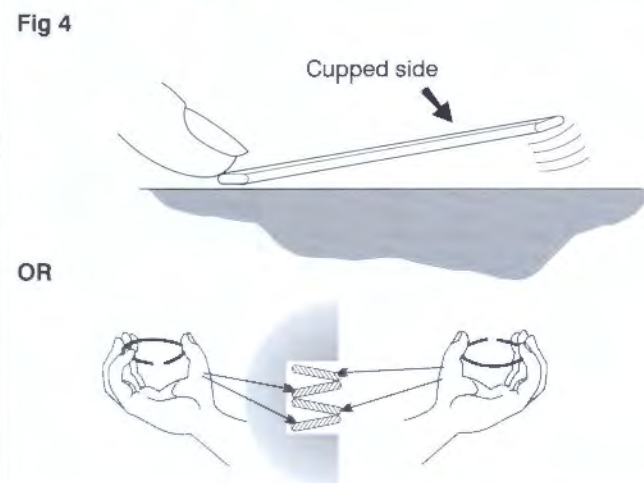
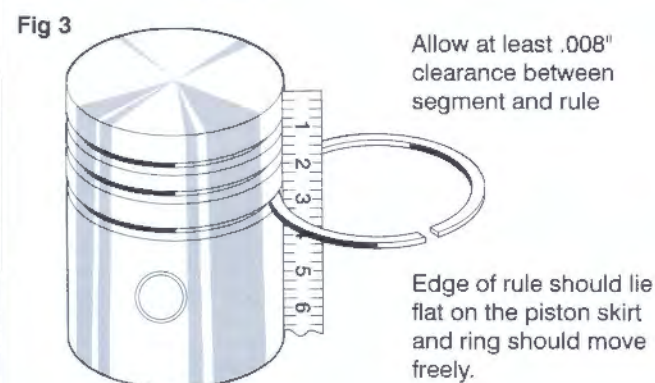
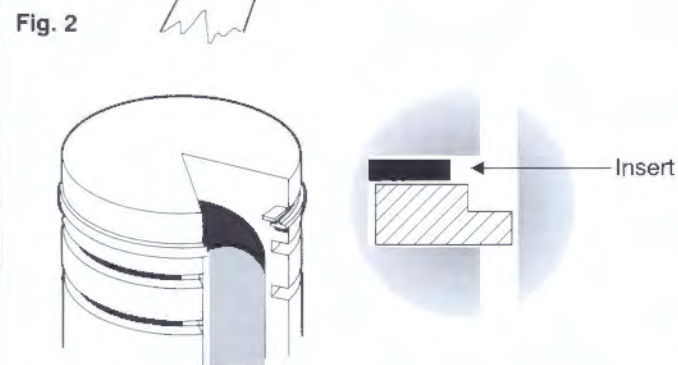
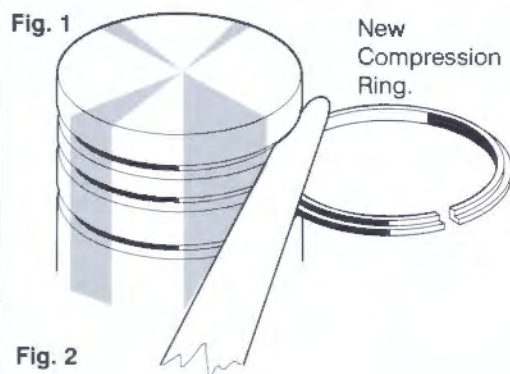
Technical information and fitting instructions

General Information

The ring sets listed are for the original piston layout, but when the model has a replacement piston with an extra ring below the gudgeon pin, the set number will have the suffix 'R'.

Ring sets for models not listed can be supplied depending upon quantity required, availability of materials and piston details.

For other applications, contact the Technical Staff.



Cords piston rings are replacement rings for the intermediate overhaul of engines showing both an increased oil consumption and a decreased performance due to long operating period or worn cylinders.

The sets are designed to meet the requirements of each particular engine type.

The dimensions of the rings contained in a Cords ring set are in accordance with the dimensions of the original equipment piston. The dimensions of the piston grooves must be checked to ensure that they correspond.

Chrome rings should not be run in chrome plated bores.

The Cords sets listed for chromed bores are manufactured specially for this application.

To test for chrome bores, apply copper sulphate solution to an oil free area. If cast iron, the surface will become copper coloured whereas chrome will not change colour.

1. Before fitting Cords piston rings, check that –
 - (a) the increased oil consumption is due to cylinder wear.
 - (b) the engine is in a relatively good mechanical condition.
 - (c) Cylinder wear at the top ring with the piston at TDC should not exceed the following values.
 - .008" for cylinders of 2" to 2 $\frac{3}{8}$ " diameter.
 - .010" for cylinders of 2 $\frac{3}{8}$ to 3 $\frac{1}{8}$ " diameter.
 - .012" for cylinders of 3 $\frac{1}{2}$ to 4 $\frac{3}{8}$ " diameter.
 - .014" for cylinders of more than 4 $\frac{3}{8}$ " diameter.

2. The wear ridge at the top of the cylinder does not have to be removed.

The Cords ring set contains 'Ridge Dodger' top rings which are manufactured with a step on the top running edge to avoid contact with the wear ridge.

Carbon deposit adhering to the area above the ridge must be carefully removed using a scraper.

3. Pistons showing damage to the lands and skirt must be replaced.
4. Piston grooves must be carefully cleaned removing all carbon deposit and care must be taken to avoid damage to the groove bottom and sides.
 - Carefully remove carbon from the piston crown.
 - Clean the piston drain holes.
5. Cords piston rings are manufactured so as to fit the original pistons. Therefore, the pistons do not have to be re-machined before fitting the rings.
6. Wear on the top groove must be carefully checked.

Clearance between the groove sides and the sides of the new top ring should not exceed .004" - **Fig 1**. If this is exceeded, the rings will produce a pumping effect thus increasing oil consumption. To reclaim pistons with a worn top groove, a Cords insert can be fitted to return the groove width to its original size - **Fig 2**.

7. Checking the rings:

Do not remove the rings from the bags until ready to fit to the piston.

Do not mix the segments from one bag with those of another - they are not interchangeable.

Technical information and fitting instructions

Fig. 5

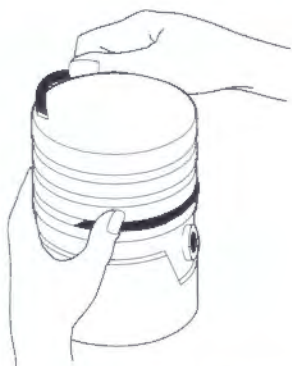


Fig. 6

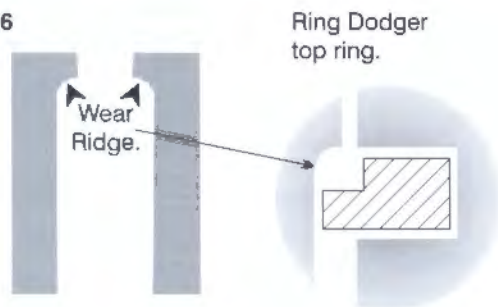


Fig. 7

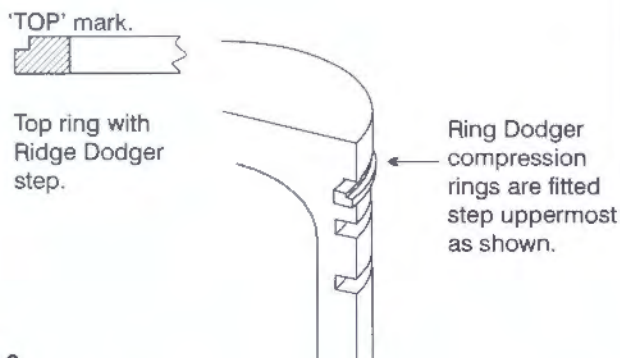
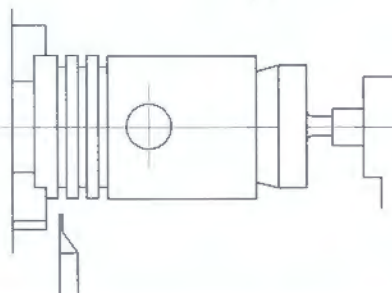


Fig. 8



The illustration on each bag shows the corresponding piston groove.

Check each type of ring by placing it at the bottom of the cylinder bore beyond the ring travel and measure the closed gap with a feeler gauge.

Min. gap = .010"

Max. gap = .030"

If outside these sizes, check bore diameter

Check one of each type of ring for back clearance Fig. 3
Min. .008"

Identification of cupping - Fig. 4.

8. The fitting of a Cords ring set begins with the first ring above the gudgeon pin

The steel segment rings for compression and oil control to be fitted according to the instruction leaflet contained in the ring set.

The steel segment rings are to be fitted with a winding action starting with one end in the groove - Fig. 5. Stagger the gaps at 180°.

9. When fitting the top ring, ensure that the ridge dodger step faces the combustion chamber in accordance with the 'TOP' mark on the corresponding side of the ring Figs. 6 & 7.

10. Preparation of the cylinder bores before fitting the pistons.

The cylinder wall will have become glazed having a hard mirror-like surface.

This glazing must be removed to provide a surface to allow the rings to bed-in and form a seal.

A 'glaze busting' tool is supplied by Cords for this purpose.

11. Fitting the piston into the cylinder.

To compress the rings, use a piston ring compressor as supplied by Cords.

With the rings compressed, push the piston into the cylinder and whilst holding the compressor in contact with the cylinder block, tap the top of the piston lightly with a hide faced hammer to enter the rings into the cylinder bore.

12. Engines fitted with Cords piston rings should be run-in for a distance of 300 to 600 miles.

PISTON RECONDITIONING WORN TOP GROOVE

In service the top groove in the piston receives the most amount of wear resulting in the widening of the groove which in time allows the top ring to pump oil to the top of the cylinder.

With this taking place, the oil consumption increases and there is a loss of power.

When the groove width has worn to the extent that a new ring has a side clearance in excess of .004" **Fig. 1** the condition of the groove is unsuitable for re-ringing.

A piston in this condition can be re-conditioned, provided that the rest of the piston is without damage or wear, by machining the top groove **Fig. 8** to take a Steel Insert which when fitted, will bring the groove back to specification.

The Steel Insert contracts to fit on to a register (approximately .010" deep) machined into the back of the groove and positioned against the top side to provide a hard wearing surface to prevent further wear taking place **Fig. 2**.

Steel Inserts for most models are carried in stock.

We also provide a piston reconditioning service at our factory and through our distribution network.

Table Showing stock material sizes and range of piston ring diameters

RADIAL DEPTH	.080	.090	$\frac{1}{10}$.100	.110	$\frac{1}{8}$.125	$\frac{9}{64}$.140	$\frac{5}{32}$.156	$\frac{11}{64}$.172	$\frac{3}{16}$.187	$\frac{1}{4}$.250	$\frac{5}{16}$.312	
Ring diameter inches												Approx. ring diameter mm
$1\frac{1}{2}$ - 2	.026											32 - 50
$1\frac{5}{8}$ - $2\frac{1}{2}$		.030 .026										41 - 63
2 - $2\frac{5}{8}$			.030 .026									50 - 67
$2\frac{1}{8}$ - $3\frac{1}{16}$				.030 .026								54 - 81
$2\frac{1}{2}$ - $3\frac{1}{2}$					.030 .026							63 - 89
$2\frac{3}{4}$ - 4						.030 .026						70 - 101
$3\frac{3}{16}$ - $4\frac{9}{16}$							.030 .026					81 - 115
4 - $5\frac{1}{16}$								.030 .026				101 - 129
$4\frac{9}{16}$ - 7									.026 .036			115 - 178
$5\frac{3}{4}$ - 10										.036		146 - 254
$7\frac{1}{2}$ - 12											.040	190 - 305

The radial depth is that of the ring; a minimum of .008" back clearance is recommended.

Standard segment thickness: .026" .030" .036" .040"

Tolerances:

Thickness: $\pm .0005$ "

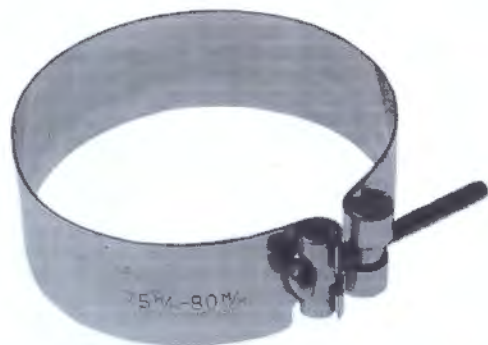
Radial Depth: $\pm .002$ "

Table showing number of cupped segments for corresponding groove widths

Groove width	ins	$\frac{1}{16}$ "	$\frac{3}{32}$ "	$\frac{1}{8}$ "	$\frac{5}{32}$ "	$\frac{3}{16}$ "	$\frac{7}{32}$ "	$\frac{1}{4}$ "	$\frac{9}{32}$ "	$\frac{5}{16}$ "
	mm	$1\frac{1}{2}$ - 2	$2\frac{1}{2}$	3	4	5	6	7	8	9
Material	.026/.030	2	3	4	5	6	7	8	9	10
	.036	-	-	3	4	5	5	6	7	8
	.040	-	-	-	3	4	5	6	6	7

Accessories

CORDS Piston Ring Compressor



Part No.	Size mm	Size inches
RCR/060	55 - 60	2.16 - 2.36
RCR/065	60 - 65	2.36 - 2.56
RCR/070	65 - 70	2.56 - 2.76
RCR/075	70 - 75	2.76 - 2.96
RCR/080	75 - 80	2.96 - 3.16
RCR/085	80 - 85	3.16 - 3.35
RCR/090	85 - 90	3.35 - 3.54
RCR/095	90 - 95	3.54 - 3.74

Cords First Fill Bedding-In Oil



BEDDING IN OIL

For new and reconditioned engines.

A bedding in period is required to enable the piston rings to generate a load-carrying surface for optimum oil control and sealing performance. A certain amount of friction and controlled wear is necessary to achieve this.

Modern premium multigrade oils contain a mixture of additives, some of which are intended to reduce wear and friction. Under certain operating conditions these additives will prevent bedding in and rapidly create cylinder bore glaze, resulting in high oil consumption and poor engine performance. For some time Cords have recommended the use of initial-fill/running-in oil when fitting Cords piston rings.

Our stockists have informed us that these oils are not generally available to themselves or their customers.

To fulfil this need Cords have formulated CORDS FIRST FILL bedding in oil which is available in 5 litre containers.

Minimum Order 5 Cases = 20 x 5 Litres
Case Lot = 4



Universal Ring Compressor
54 - 127mm



'Simple Simon'
Piston Ring Compressors
All Sizes



Internal Circlip Tools
340 - Straight points pin dia $\frac{1}{16}$ "
capacity $\frac{3}{16}$ " - 1.00" (15 - 25mm) dia
341 - Straight points pin dia $\frac{3}{32}$ "
capacity 1" - $1\frac{1}{8}$ " (25 - 41mm) dia

Accessories

Cords Engineering Adhesive Systems

Product.	Size	Minimum Order Qty
C2015 - Nutlock	10-GRM	5
C2025 - Studlock	10-GRM	5
C2041- Shaft Fit	10-GRM	5
C2015 - Nutlock	50-GRM	1
C2025 - Studlock	50-GRM	1
C2041 - Shaft Fit	50-GRM	1
C2098 -Gasket Eliminator	50-GRM	1



Heldite Jointing Compound

50ml tube with sponge applicator - (20 per display box)

GLAZEBUSTER

A low cost tool available in four sizes for cast iron cylinders:

Ref. No.	Size Inches	Size mm
0	2 - 2½	50 - 64
1	2½ - 3	64 - 76
2	3 - 3½	76 - 89
3	3½ - 4½	89 - 114

Special Grade Developed for the preparation of aluminium cylinders:

Ref. No.	Size Inches	Size mm
OA	2 - 3	50 - 76

BORE GLAZE is a smooth hard coating or skin formed on the cylinder bores by iron oxide, graphite and other chemicals derived from lubricating oils and the by products of combustion. It is essential that bore glaze is removed prior to installing replacement piston rings, if the rings are to bed in satisfactorily. The Cords Glaze Buster was developed to remove this extremely hard glaze and provide a suitable bore finish for Cords Piston Rings. Recently the design and packaging has been improved and the size range has been extended to five bore diameter sizes.

No. OA specially designed for the preparation of aluminium cylinder bores prior to re-ringing.

The new Cords Glaze Busters are designed for use in any ordinary electric hand drill and are priced to suit even the D.I.Y. motorist.



Audi (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set		Oil Width	SET No.
				inches	mm	Compression No	Width		
80 GT 1600S Engine	1973-75	1588	4	3.130	79.50	4 4	2.0 2.5	4 5.0	1247
80 Formel E, S, CL, GL, GLS, LS, Fox, 4000 (USA), Coupe, 100, Avant Formel E, C, CL, L, LS, GL, CS 5000 (USA) 80 GTE, GLE 4 Cyl 4000 4E (USA) 4 Cyl 80 CD 5S, Coupe 1.9, GT5S, 100 5 Avant, L5, GL5, C, CC, CD, CL, CS 5 Cyl 100 5S, Avant C, CD, CL, CS, GL, L, CC 4000 5, 5000 (USA) Coupe GT 5E, 100 5E, 200 5E, 80 CD 5S 5 Cyl 1 cylinder set	1975→ 1982→ 1980→ 1976→	1588 1716 1921 2144	1	3.130	79.50	1 1	1.75 2.0	1 4.0	1164
80, 100 L	1976-77	1588	4	3.130	79.50	4 4	1.75 2.5	4 5.0	1087

Austin/Morris (Car, Taxi, Van and Bus)

Mini Seven, Countryman, Mini Minor, Traveller, 850, 850 Mk II A35, A35 Van, A40 Healey Sprite Minor 1000, 5 cwt Van A Series Engine	1959-75 1957-62 1957-62	848 948 948	4	2.477	62.93	12	.070	4 1/8	2
Mini Cooper and Mk II Mini 1000, Mk II A40 Mk II, 1100 Vanden Plas Healey Sprite Allegro 1100 and Mk II Marina 7 cwt Van A Series Engine	1964-69 1968-69 1963-67 1963-68 1974 1962-71 1973→	998 998 1098 1098 1098 1098	4	2.542	64.57	12	1/16	4 1/8	435
Metro, L, HLE, 1000. OHV Mini Mk II, 1000. OHV	1980→ 1968-69	998 998	4	2.542	64.57	12	1/16	4 5/32	1176
Mini Cooper, Mk II	1964-70	998	4	2.542	64.57	8	1/16	4 4.0	1510
Mini 1000 MkII, Countryman, Traveller Mini Clubmen Saloon, Estate Metro 1.0 L, HLE, City, City X Allegro 1.0	1968-75 1970-75 1980→ 1982	998 998 998 998							
Mini Cooper S Mini Cooper S Mini Cooper S, Mk II, Mk III, 1300 GT A Series Engine	1964-65 1963-64 1964-71	970 1071 1275	4	2.780	70.61	12	3/64	4 5/32	945
Mini Cooper S Mini Cooper S, 1300 GT A Series Engine	1963-64 1964-71	1071 1275	4	2.780	70.61	8	1/16	4 5/32	1507

Austin/Morris (Car, Taxi, Van and Bus) *(continued)*

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Maxi 1750, Allegro 1750 E Series Engine .155 and .161 deep compression ring grooves	1971–83	1748	4	3.000	76.20	8	1/16	4	5/32	424
Maestro 1600, L, HLS, Vanden Plas Montego 1600, L, HL, HLS R and S Engines	1982→	1598	4	3.000	76.20	8	1.5	4	4.0	1492
1800 1800 Mk II, Mk II S B Series Engine 4 Ring Piston	1965–68 1968–75	1798 1798	4	3.160	80.25	12	1/16	4	5/32	939
1800 MkII, MkII S Marina 1.8, TC, GL, HL B Series Engine	1971–75 1971–78	1798 1798	4	3.160	80.25	8	1/16	4	5/32	1020
Taxi Cab FX3D, FL2, FX4, LD–M20, LD–M30 Diesel. RBP	1955–71	2178	4	3.250	82.55	12	3/32	8	3/16	68
A99, A110 Westminster, Healey 3000, MkII, Mk III, 3 Litre 4 Ring Piston	1959–70	2912	6	3.281	83.33	18	3/32	6	3/16	284
A110 Mk III 3 Litre Saloon	1967–68 1968–72	2912 2912	6	3.281	83.33	18	5/64	6	3/16	855
Ambassador 1.7 L, HL Ambassador 2.0 HL, HLS, Vanden Plas Montego 2.0 HL, HLS, Vanden Plas Marina 1700, L, HL Ital 1700 L, HL, HLS Ital 2000 HLS O Series Engine	1982–84 1982–84 1984–85 1978–80 1980→ 1981→	1695 1994 1994 1695 1695 1994	4	3.325	84.44	8	1.75	4	4.0	1173
Prima 65, Maestro 2,0 D, 500–700 City L Van, Clubman, DLX Prima 80T, Montego 2,0 D DSL Turbo, Turbocharged Diesel	1986–92 1988→	1994	4	3.325	84.44	4 4	2.0 1.75	4	3.0	1609
FX4, FL2 Taxi Cab 25U and 25V Engines EA Series, Diesel. RBP	1972→	2520	4	3.500	88.90	12	3/32	4	3/16	937

Austin (Commercial)

1.5 Litre Marina, BMC 1.5 Litre, J2M16, J4M10, JU250 15T Engine		1489	4	2.875	73	12	5/64	8	5/32	5R
2.2 Litre, 1-1.5 ton Gipsy Diesel. RBP	1955-71	2178	4	3.1/4	82.55	12	3/32	8	3/16	68
2.5 Litre, EA Series, Diesel. RBP	1971-72	2520	4	3.1/2	88.90	12	3/32	4	3/16	937

Bedford (Commercial)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Astra 1300 Van OHC To Engine No. 13N1225588	1983→	1297	4	2.951	74.95	4 4	1.75 2.0	4	4.0	1214
Astramax Van 1.3 OHC From Engine No. 13N1225589	1985-88	1297	4	2.952	75.00	8	1.5	4	4.0	1553
Astra L Van, Astramax 365.560, L Eng. 16SV	1987-90	1598	4	3.110	79.00	4 4	1.2 1.5	4	3.0	1554
Astra Van 1.6S Engine	1983→	1598	4	3.149	79.98	4 4	1.5 1.75	4	4.0	1211
Astra Van 1.6 Litre Diesel	1983→	1598	4	3.150	80	8	2.0	4	3.0	1476
2.3 Litre, CF230, 250, 280, 350 Diesel	1980→	2260	4	3.622	92	8	2.0	4	4.0	1220
CF2 Series Van 2000N Engine. 4 Cyl 2 Cylinder Set	1984→	1979	2	3.740	95	4	2.0	2	4.0	1174
CF 2300, 22-25-35 cwt Van	1972-84	2279	4	3.840	97.54	8	5/64	4	3/16	1060

BMC (Commercial)

2.2 Litre, 1-1 1/2 ton Diesel. RBP	1971	2178	4	3.250	82.55	12	3/32	8	3/16	68
2.5 Litre, EA Series, Diesel	1968-70	2520	4	3.500	88.9	12	3/32	4	3/16	937

BMW

320 323 i, 520	1977-81 1978→	1990 2316	6	3.150	80	6 6	1.5 2.0	6	3.5	1221
1800, 1802, 118/3 KH Engine 2000, 2000 C, 2002, 2000 C Automatic, 121 Engine 2000 E, 2000 Tii, 2002 Tii, Fuel Injection Engine, BMW 318, 320/4, 518, 520, 520 i/4	1969→ 1969→ 1970→	1766 1990 1990	4	3.5039	89	4 4	1.75 2.0	4	4.0	1063
3.0 S, 3.0 CS, 3.0 CSA Carburettor Engine BMW 728, 730, 733, 630, 633, 3.3L	1971→	2985	6	3.5039	89	6 6	1.75 2.0	6	4.0	1088

Bond

700, 700 E, 700 ES, Bug	1970-71	700	4	2.3814	60.488	8	.050	4	1/8	942
Bug 750 E, 750 ES	1973→	748	4	2.604	62.494	8	.050	4	1/8	1122

[illegible]

DAF – Refer to Renault

Daihatsu

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
S60 Van, Pick-up		547	2	2.819	71.6	4	1.5	2	2.8	1182
Charade, XG, XTE, CS, CX, G10 CB, CB10, CB11, CB31, CB32 Engines	1977→	993	3	2.992	76	6	1.5	3	2.8	1181

Daimler

Daimler, 2½ litre, SP250, V8 250	1961→	2548	8	3	76.2	16	1/16	8	5/32	957
Daimler, 2.8 litre, Sovereign	1969-73	2792	6	3.267	83	12	5/64	6	5/32	189
Daimler, 5.3 litre, Double Six, Double Six Vanden Plas, V12 HE Engine	1972→	5343	12	3.5433	90	12 12	1/16 5/64	12	5/32	1089
Sovereign 3.6 D.OHC 4 Valve Head Eng. AJ6 Suitable for piston with 3.0 mm oil groove	1986-89	3590	6	3.5827	91	6 6	1.5 2.0	6	3.0	1621
Sovereign 3.6 D.OHC 4 Valve Head Eng. AJ6 Suitable for piston with 4.0 mm oil groove	1986-89	3590	6	3.5827	91	6 6	1.5 2.0	6	4.0	1622
Daimler 4.2 litre, Sovereign, Limousine	1967→	4235	6	3.5/8	92.075	12	5/64	6	3/16	947

David Brown (Tractors)

25D, 850 Series, Diesel, RBP		2523	4	3.1/2	88.9	12	3/32	4	3/16	937
30D, 30TD, 900, 950 Series, Diesel 990 Series, Diesel, RBP		2706 3045	4	3.5/8	92.075	12	3/32	4	3/16	168
770 Direct Injection Diesel, RBP 880, 885 Direct Injection Diesel, RBP		2395 2695	3	3.937	100	9	3/32	3	3/16	964
990 Direct Injection Diesel, RBP 995, 996, 1200, 1210, 1212, Direct Injection Diesel, RBP		3195 3594	4	3.937	100	12	3/32	4	3/16	877

Ferguson (Tractors)

TEF20, Diesel		2092	4	3.3/16	80.975	12	2.0	4	5/32	175
TVO, Fuel, RBP		2088	4	3.346	85	12	2.0	4 4	3/16 5/32	179

Fiat (Car and Van)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
850 Berlina, Berlina Normal 850 Berlina Super 100G Engine	1964-71 1964-71	843	4	2.559	65	4 4	1.75 2.0	4	5/32	989
850 Coupe 100C-000 Engine 850 Normal 100G-000 Engine 850 Special 100G, 100GB Engines 850 Spider 100GS-000 Engine 850 Sport Coupe 100GBC Engine 850 Sport Spider 100GBS-000 Engine 850 Super, 850 Utility 127, 127 Special, 850 Familiare, 850T Van 900T Van, 900T Palomino Fiorino Panda 45 100G-002 Engine	1963-73 1963-73 1964-71 1963-73 1963-73 1963-73 1963-73 1963-73 1963-73 1963-73 1971→ 1976→ 1978→ 1980→	903 843 843 843 843 843 843 843 843 903 903 903 903	4	2.559	65	4 4	1.5 2.0	4	5/32	878
124 Berlina, 124 Familiare, 238 B/BL/M2	1966-74	1197	4	2.874	73	4 4	1.5 2.0	4	4.0	896
126 126 Personal 500R	1972→ 1976→ 1972-75		2	2.894	73.50	2 2	1.5 2.0	2	5/32	1150
127 127 Sport 70HP 127 Rustica, Fiorino, Ritmo Mirafiori 1300 131 Super Mirafiori 131BB7AO/131BC7AO Engines	1977→ 1978 1979→ 1974→ 1978→	1050 1300 1300	4	2.992	76.00	4 4	1.5 2.0	4	5/32	1151
126, 126L, Personal, Bambino 126A-1000, 126BB-OC-O, 126BB-1C-O Engines Panda 30 141A-000, 141AE-OC-O Engines	1977→ 1980→	652	2	3.032	77	2 2	1.5 2.0	2	5/32	1188
1500C, L, TS 115, 115C Engine. 4 Cyl 2100, 4T 114 Engine. 6 Cyl 2 cylinder set	1961-70	1481 2054	2	3.032	77	4	2.0	2	5/32	903

Fiat (Car and Van) (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
128 Berlina, 124 Coupe 124 Spider, 125 1st Series 1100TA, 241-241T 124 AZ.2 Engine 238B1/BL1 124BL.1.016 Engine 238E 128 Special 128 C/CL(1100) 128 Coupe S/SL 128 3P(1100) 131 AZ Engine Ritmo 60L Ritmo 60CL, Strada 60, 124 Special T (1400-1600) 124 Sports Coupe (1600) 124 Spider 124S Coupe, 125 Special 132 Special. Up to Chassis No. 208.000 138 A.000 Engine	1969→ 1978→ 1975→ 1976→ 1971→ 1975→ 1978-79 1978 1972 1972	1116 1438 1116 1116 1596	4	3.150	80	4 4	1.5 2.0	4	5/32	897
132GL/GLS Chassis No. 208.00 131 Mirafiori 242 Petrol 131 Super Mirafiori 132.00 Engine 132 GLS, 1800, Arbarth 124 Rally, 132 Special, 124 Spider, Sports Coupe 242 Petrol 132 AB. 1A.0 Engine Compagnola Petrol 132.200, 132 Fuel Injection 6132 AZ-2000 Engine	1972→ 1974→ 1976→ 1978→ 1972→ 1973→ 1974→ 1977→	1585 1585 1585 1585 1756 1995 1995 1995	4	3.307	84	4 4	1.5 2.0	4	5/32	1153
128 Coupe S/SL 1300 X1/9 128 3P 1300 128 C/CL (1300), 128 Rally, Special 1300	1971→ 1972→ 1975→ 1976→	1300	4	3.389	86	4 4	1.5 2.0	4	5/32	1098
Ritmo 65, Strada 65 138.AE.1A Engine Ritmo 75, Strada 75 138A.2.00 Engine	1978→ 1978→	1301 1498	4	3.402	86.40	4 4	1.5 2.0	4	5/32	1187
131 Diesel 2000 132 Diesel 2000 8144.65.300 Engine	1978-79	1995 1995	4	3.465	88	8	2.0	4	4.0	1185
616, 242/12, 242/15, 242/18 B22.615 Engine. Diesel	1974→	2175	4	3.543	90	8	2.0	4	4.0	1163
242 B25.637 Engine	1981→	2499	4	3.661	93	8	2.0	4	4.0	1505

Ford UK & Europe (Car and Van)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
10HP. Prefect, Thames 10 cwt E93A Engine Popular, Thames 10 cwt	1939-53 1954-59	1172 1172	4	2.1/2	63.5	8	.076	4	.155	12
Taurus 12M, Kleibus, Microbus 100E Anglia, Prefect, Escort, Squire 100E, Thames 5-7 cwt Van 100E, Popular, Escort	1952-53 1954-59 1954-61 1960-62	1172 1172 1172 1172	4	2.1/2	63.5	4 4	.076 3/32	4	.155	NC12
Fiesta Popular, Plus, L, LX, Ghia 1000 Fiesta Popular, Plus, L, LX, CTX Auto Ghia 1100 Engine HCS	1989-91 1989→	999 1118	4	2.7047	68.70	4 4	1.5 1.75	4	3.0	1615
Fiesta, Popular, Popular Plus L, GL Fiesta, Popular, Popular Plus L, GL, S, Ghia OHV Engine Escort Mk III L, GL, Ghia OHV & CVH Engine Escort Mk IV Popular Escort Mk IV Popular, L, Van Orion Mk II L OHV Engine	1976→ 1976→ 1980-86 1986→ 1986→	957 1117 1117 1117 1297	4	2.911	73.94	4 4	1.6 2.0	4	4.0	1124
Escort Popular, L 1300 Orion L 1300 Engine HCS	1988→ 1989-93	1297	4	2.9134	74.00	4 4	1.5 1.75	4	3.0	1620
Escort 1.6i, Orion 1.6i 4 V Per Cylinder Zeta	1993	1597	4	2.992	76.00	4 4	1.5 1.6	4	2.5	1626
Escort 1.4L, LX, GL, Ghia Escort Combi, L, Van Fiesta, Orion L, LX, GL.S, Ghia CVH Leanburn	1986-93 1986-93	1392	4	3.0409	77.24	4 4	1.6 2.0	4	4.0	1605
Fiesta 1.3 GL, S, Ghia Escort Mk III, 1.3L, GL, Ghia Orion 1.3 GL Escort Mk III, 1.6L, GL, Ghia Escort Mk IV, 1.6 L, GL, Ghia, Ghia Cabriolet, 55 Van XR 2 XR3 Orion 1.6 GL, Ghia Orion MkII, 1.6 L, GL, Ghia CVH Engine (Carburettor) Orion Ghia i Orion Mk II, Ghia i XR 3i, RS 1600i New XR3i XR3i Cabriolet CVH Engine (Fuel Injection)	1984-86 1980-86 1983-86 1980-86 1986→ 1984→ 1980-82 1983-86 1986→ 1983-86 1986→ 1982-86 1986→	1296 1597 1597	4	3.148	79.96	4 4	1.6 2.0	4	4.0	1254
Fiesta 1.6 LD, Popular Plus Escort 1.6 LD, GLD Escort Mk IV, Popular LD, GLD, 35, 55 Vans Orion 1.6 LD, GLD Orion Mk IV LD, GLD OHC Engine Diesel	1984→ 1984-86 1986→ 1984-86 1986→	1608	4	3.150	80	8	2.0	4	3.0	1478

Ford UK & Europe (Car and Van) *(continued)*

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Fiesta XR2i/S Escort Orion 1.8i DOHC 4 V per Cylinder Zeta/Zetec Suitable for piston with 3.0 oil ring	1992→	1796	4	3.173	80.60	4 4	1.5 1.6	4	3.0	1628
Mondeo 1.8i DOHC 4 V per Cylinder Zeta/Zetec Suitable for piston with 2.5 oil ring	1993→	1796	4	3.173	80.60	4 4	1.5 1.6	4	2.5	1627
Anglia, Anglia Estate 105E Engine Prefect, Thames 5-7 cwt Van 107E Engine Anglia Super, Cortina, Thames 5-7 cwt Van 113E Engine Cortina De Luxe 3014E Engine Classic 315, Capri 335 109E Engine Classic 315, Capri 335, Cortina Super 116E Engine Corsair 120E Engine Capri GT, Corsair GT, Cortina GT 122E Engine	1960-68 1961-68 1962-68 1967 1961-62 1963-67 1964-65 1963-67	997 1297 1340 1499	4	3.3/16	80.95	8 	5/64	4	5/32	323
Escort 940 Escort 1100, 1100DL, L, LS, 6-8cwt Van Cortina 1100 Escort 1300 Super, 1300 DL, 1300 GT, 1300 Sport, 1300 L, LS, XL, 6-8cwt Van Cortina 1300, DL, L, XL, Capri 1300, 1300 GT Cortina Super, GT, 1600E, 1600L, XL GXL, LS Capri 1600, 1600GT Transit 75, 90, 115 Escort Mexico 711M Engine Escort 940 Escort 1100, 1100L, LS, Popular, Popular Plus, Ghia, 6-8cwt Van Cortina 1100 Escort 1300, 1300L, LS, Sport, Popular, Popular Plus, Ghia, 6-8 cwt Van Capri 1300, 1300L Cortina 1300, 1300L Fiesta 1300S, Ghia, Super Sport Transit 75, 90, 115 Escort 1600 Sport, Ghia Fiesta XR2 751M Engine	1970-75 1970-75 1970-73 1970-75 1972-75 1975-80 1975-80 1975-81 1975-83 1977-84 1975-78 1982-84	940 1098 1298 1599 940 1098 1298 1599	4	3.188	80.99	4 4	1/16 5/64	4	5/32	879

Ford UK & Europe (Car and Van) (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Escort 940 Escort 1100, 1100DL, 6-8 cwt Van Cortina 1100 2733E Engine Escort 1300 Super, 1300GT, 8 cwt Van Cortina 1300DL Capri 1300, 1300GT 2735E Engine Cortina 1600 Super, GT, 1600E Capri 1600, 1600GT 2737E Engine	1969-70 1968-70 1968-70 1970 1968-70 1970	940 1098 1298 1599	4	3.188	80.99	8	5/64	4	5/32	323
Sierra 1600E, LE, GLE, GhiaE "E-Max" Engine	1984→	1593	4	3.201	81.3	4 4	1.59 2.0	4	4.0	1479
Escort, Fiesta, Mk IV 1.8 DL Orion Mk IV, 1.8 DL Escort, Fiesta, Mk V Popular Popular Plus, LX, GLX Orion Mk V LX, GLX, Ghia 1.8D Indirect Injection Diesel	1988→ 1988-93 1990→ 1990-93	1753	4	3.2480	82.50	8	2.0	4	3.0	1617
Consul 375, Counsul MkII Thames 10-12 cwt Van Lotus Cortina Twin OHC Escort 1600 Twin OHC	1956-62 1965-70 1968-71	1703 1558 1558	4	3.1/4	82.55	8	.078	4	3/16	13A
Zephyr Mk II, Zodiac Mk II	1956-62	2553	6	3.1/4	82.55	12	.078	6	3/16	14A
Sierra 2000, GL, Ghia, Turnier Taurus Cortina L, GL, Ghia, Turnier Granada 2000 L, GL, Ghia, Turnier V6 Engine	1981→	1998	6	3.307	84	6 6	2.0 3.0	6	5.0	880
Escort, Modeo 2.0i 4 V per Cylinder Zeta/Zetec	1993	1998	4	3.339	84.80	4 4	1.5 1.6	4	3.0	1629
Taurus 17M, TS	1961-64	1758	4	3.336	85.5	4 4	2.0 3.0	4	5.0	881
Sierra 1.8 L, GL, Ghia Granada 1.8 GL OHC	1984-88 1985-88	1796	4	3.3937	86.20	4 4	1.6 2.0	4	4.0	1607
OHC Cortina 1600 GT OHC Cortina 1600 L & XL, Capri 1600 & GT	1970→ 1973→	1593 1593	4	3.450	87.65	4 4	2.0 2.5	4	4.0	882
Sierra 1600L, GL, Ghia OHC	1982→	1594	4	3.4508	87.65	4 4	1.6 2.0	4	4.0	1442
Taurus 12M, 12M TS, 15M, 15M TS Capri 1500, Transit FT 1000, 1100, V4 Taurus 17M, 1700 S, Capri 1700, Transit FT 1300, 1500, 1750, V4	1965→ 1965→	1498 1699	4	3.543	90	4 4	2.0 3.0	4	5.0	883
Granada Diesel XD.P4/90 Peugeot Engine	1966-82	2112	4	3.543	90	12	2.0	4	4.5	1114

Ford UK & Europe (Car and Van) (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Taurus 20M, 2300 S V6, Capri 2300 GT, 2300 R Taurus 20M, TS, 20M, XL, V6, Consul, Consul GT, Granada 2.3 Granada, L, GL, Ghia, Ghia LS, GLS Cortina, GL, Ghia, 2300, V6	1968→ 1986→ 1977-79	2274 2293 2293	6	3.543	90	6 6	2.0 3.0	6	4.0	884
OHC Pinto 2000, Cortina 2000, L, XL, GXL, GT & E, Escort RS2000, Consul, Granada Turnier	1970→	1993	4	3.574	90.8	4 4	2.0 2.5	4	4.0	885
Capri 2000S Granada L, LX, GL Sierra L, GL, Ghia OHC Engine Sierra 2.0i S Granada 2.0 EFI, GL, Ghia OHC Engine fitted with Bosch L-Jetronic Injection	1984→ 1985→	1993 1993	4	3.576	90.83	4 4	1.6 2.0	4	4.0	1481
V6 Capri II 2800, Granada 2800, LS, GL, Ghia	1974→	2793	6	3.661	93	6 6	2.0 2.5	6	4.0	1133
Corsair V4, Transit 600, 850, 1100, 75, 90, 115, 290, Van 100, 101 Engine, 2601E Engine Industrial, V4 Zephyr 4 Mk IV, Corsair GT, Corsair 2000, E & GT, Transit 1250, 1500, 1750, 75, 90, 115, 125, 130, 150, 175, 390, Vans 100, 150 2602E Engine Industrial, V4 Capri 2000 GT, V4 Consul, Consul L, V4	1966→ 1968→ 1972→	1663 1996 1996 1996	4	3.11/16	93.662	8	5/64	4	3/16	976
Zephyr 6 Mk IV, 2603E Engine Industrial, V6 Zodiac Mk IV, Executive 2604E Engine Industrial, V6 Capri 3000 GT, Capri 3000 E, V6 Consul GT, Granada & GXL, Capri, 3 litre, V6 Consul & L, Granada & GXL, 2.5 litre, V6	1966→ 1996→ 1968→ 1972→ 1972→	2495 2994 2994 2994 2494	6	3.11/16	93.662	12	5/64	6	3/16	977
Granada 2.5 D, L, GL, LD, GLD, Ghia, Turnier Scorpio 2.5D Diesel Engine XD3 Sierra, Sierra Sapphire 2.3D L, GL, LD, GLD, Ghia, Turnier Diesel Engine XD2, XD2D	1982-88 1982-90	2498 2304	4	3.7008	94.00	8	2.0	4	4.0	1228

Ford (Tractors)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Dexta Tractor, Perkins Engine, Diesel. RBP 1 cylinder set		2360	1	3.501	88.925	2 1	3/32 1/8	2	1/4	1135
Super Dexta Tractor, Perkins Engine, Diesel. RBP 1 cylinder set		2500	1	3.6	91.48	2 1	3/32 1/8	2	1/4	1136

Gardner (Engines)

10.45 Litre, LX, LXB Diesel			6	4.3/4	120.65	12	3/32	6	3/16	1076
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Hillman

Hillman Imp, Imp De Luxe, Super Imp Hillman Husky	1963→ 1966→	875 875	4	2.677	68	8	1/16	4	1/8	935
Hillman Avenger 1250, De Luxe, Super Hillman Avenger 1300, GL, GT	1970-73 1973→	1248 1295	4	3.094	78.6	8	5/64	4	5/32	1000
Hillman Minx 1500, Hunter De Luxe Hillman Minx 1600, Super Minx Hillman Minx & Super, Hunter & Super Hunter, GL, GT, GLS	1967-71 1961-65 1966→	1496 1592 1725	4	3.2102	81.54	8	5/64	4	5/32	442
Hillman Avenger 1500, De Luxe, Super GL, GT, Tiger	1970→	1498	4	3.390	86.121	8	5/64	4	5/32	1001
Hillman Avenger 1600, GLS, TC	1973→	1599	4	3.440	87.376	8	5/64	4	5/32	1071

Honda (Car and Van)

Civic 1200 EB-1 Engine	1972-75	1169	4	2.756	70	8	1.5	4	2.8	1138
Acty TN 550, Pick-Up, H-TB, J-TA, J-TB, J-VD Van J-VD GT & EH Engines	1979→	545	2	2.835	72	4	1.5	2	4.0	1190
Civic 1300, 1300S Ballade 1300SL, SS, SP, SK EJ & EN Engines	1980-83	1335	4	2.835	72	8	1.5	4	4.0	1139
Civic 1500 EC Engine 2.8mm Oil Ring	1975-79	1488	4	2.913	74	8	1.5	4	2.8	1172
Civic Station Wagon ED1 Engine Accord EF Engine	1975→	1488 1599	4	2.913	74	8	1.5	4	4.0	1140

Honda (Car and Van) (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Accord 1600 De Luxe, SL, LX, GF, Accord Executive Prelude 1600 Coupe Quintet EP Engine Accord 1800 Prelude 1800 EK Engine	October 1978-84 1979-83 1981-84 1979-83 1980-82	1602 1751	4	3.032	77	8	1.5	4	4.0	1189

Humber

Sceptre Mk I Sceptre Mk II, New Sceptre	1963-65 1954-66	1592 1725	4	3.210	81.54	8	5/64	4	5/32	442
Humber 3 Litre Super Snipe, Imperial	1960-66	2965	6	3.7/16	87.29	12	5/64	6	3/16	444

Hyundai

Pony 1.3L, GL, OHC Engine		1298	4	2.795	71	8	1.5	4	4.0	1493
Pony 1.5GLS, OHC Engine		1468	4	2.972	75.5	8	1.5	4	4.0	1548

Jaguar

2.4, 2.4 Mk II, 240 Mk VII, XK 120, XK 120C Type M, Mk VII, XK 140 Mk VIII, XK 150, XK 150S XJ6 2.8 3 Ring Piston	1956-69 1949-68 1969-73	2483 2483 2792	6	3.268	83	12	5/64	6	5/32	189
2.4 Mk II, 240 4 Ring Piston	1956-67	2483	6	3.268	83	18	1/16	6	5/32	991
XJ 3.4 XJ6 3.4	1975-82 1983→	3442 3442	6	3.268	83	6 6	1/16 5/64	6	5/32	1137
Mk IX, Mk II 3.8 Litre, XK 150, XK 150S, S Type 3.8 Litre E Type, Series I and II, 3.8 Mk II, Mk X, 3.8 S Type	1959-68 1961-68	3781 3781	6	3.425	86.99	12	5/64	6	5/32	422
E Type, Series III, XJ 12, 12HE, XJS, XJS HE, XJ 5.3 V12 Engine	1971→	5343	12	3.543	90	12 12	1/16 5/64	12	5/32	1089
XJS 3.6 Coupe, Cabriolet XJ6 3.6 Saloon Suitable for piston with 3.0mm oil groove	1983→ 1986→	3590	6	3.5827	91.00	6 6	1.5 2.0	6	3.0	1621
XJS 3.6 Coupe, Cabriolet XJ 3.6 Saloon Suitable for piston with 4.0mm oil groove	1983→ 1986→	3590	6	3.5827	91.00	6 6	1.5 2.0	6	4.0	1622
Mk X, E Type 2x2, 4.20, 4.20G XJ 4.2 Litre, XJ 4.2 Litre, Series I and II XJ6 4.2 Litre, Series III, Fuel Injection	1965-78 1978→	4235 4235	6	3.5/8	92.08	12	5/64	6	3/16	947

Lada

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
OHC, 1200 OHC, 1500	1972→	1198 1452	4	2.9921	76	4 4	1.5 2.0	4	4.0	1126
1300 1600, Niva	1977→	1294 1570	4	3.110	79	4 4	1.5 2.0	4	4.0	1191

Landrover

2 Litre (Petrol) 4 Ring Piston	1952-58	1997	4	3.1/16	77.8	8 4	.070 3/32	4	5/32	40
2 Litre Series 1 and 11, 80, 86, 107, 109. 4 Cyl. 2.6 Series 11A, 11B and 111. 6Cyl 3 Litre Series 11A, 11B. 6 Cyl 2 cylinder set	1954-59 1963	1997 2625 2995	2	3.1/16	77.8	4	.070	2	5/32	387
3.5 Litre	1970→	3528	8	3.1/2	88.9	16	5/64	8	3/16	842
90, 110 Defender 90, 110, 130 2.5 Litre Turbocharged Diesel Eng. 19J	1987-90 1990-	2495	4	3.562	90.475	8	2.0	4	3.0	1616
2¼ Litre Series 11, 111A and 111 Petrol	1958→	2286	4	3.9/16	90.48	8	.070	4	3/16	280
2¼ Litre Series 111, Stage 2 36600001A Engine onwards 2¼ Litre 110 Diesel	1981 1983-84	2286	4	3.9/16	90.48	12	3/32	4	3/16	938
Series 11A, 11B, 111, 88, 109, 110 Diesel 5 Ring Piston	1961→	2286	4	3.9/16	90.48	12	3/32	8	3/16	938R
2.5 Litre Diesel	1986→		4	3.9/16	90.48	8	2.0	4	4.0	1474
2.5 Litre Diesel	1986→		4	3.9/16	90.48	8	3/32	4	3/16	1440

Lancia

Beta 1300	1976→	1301	4	2.922	76	4 4	1.5 2.0	4	4.0	1193
Beta 1400 Beta 1600	1973→ 1975→	1438 1592	4	3.149	80	4 4	1.5 2.0	4	4.0	897
Beta 1800, Beta 2000, Monte Carlo	1973→	1756	4	3.307	84	4 4	1.5 2.0	4	4.0	1097
Delta 1300 Delta 1500	1980→	1302 1499	4	3.401	86.4	4 4	1.5 2.0	4	4.0	1192

Leyland (Commercial)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Sherpa 240, 250	1975→	1798	4	3.1595	80.25	8	1/16	4	5/32	1020
1.8 Litre, Diesel	1975→	1798	4	3.1595	80.25	8	5/64	4	3/16	1120
2.2 Litre, Redline, 350 F6, 420 F6 360WF, Diesel, RBP	1971→	2178	4	3.1/4	82.55	12	3/32	8	3/16	68
Sherpa 200, 230, 250, 255 Sherpa 2000 Eng. O Series OHC	1978–82 1981–89	1695 2000	4	3.3245	84.442	8	1.75	4	4.0	1173
Sherpa 200 Series, Crewbus Van 2.0 Litre Eng. Perkins Prima 65 Diesel	1986–89	1994	4	3.3245	84.442	4 4	2.0 1.75	4	3.0	1609
EA Series. 25U, 25V, 2.5 Litre Diesel	1968–84	2520	4	3.500	88.9	8	3/32	4	3/16	1489
2½ Litre, EA Series, Diesel. RBP	1973→	2520	4	3.1/2	88.9	12	3/32	4	3/16	937
Sherpa 285, 300, 310, 350 2.5 Litre Indirect Injection Diesel Eng. 12J Suitable for early GKN pistons	1983–89	2494	4	3.562	90.475	8	3/32	4	3/16	1440
Sherpa 285, 300, 310, 350 2.5 Litre Indirect Injection Diesel Eng. 12J	1983–89	2494	4	3.562	90.475	8	2.0	4	4.0	1474
Redline Boxer, 5.8 Litre, Direct Injection, Diesel Perkins 6/354.2 Engine, RBP		5798	6	3.7/8	98.425	6 12	1/8 3/32	12	1/4	1031

Massey Ferguson (Tractors)

1.76 Litre, MF130 Tractor, Diesel RBP			4	3.1/8	79.375	4 8	5/64 1/16	8	3/16	955
M135 Tractor 3A152D, Direct Injection Diesel, RBP. 3 Cyl MF65, MF165, MF765 Tractors 4A203D, Direct Injection Diesel, RBP. 4 Cyl 1 cylinder set		2500 3300	1	3.6	91.49	3	3/32	1 1	3/16 1/4	1107
35, 35X, 50, 150, 203, 205 Tractors 3A152, Diesel, RBP. 3 Cyl MF65, 865, Tractors, 4A203, Diesel, RBP. 4 Cyl Super 92 Tractor, 6A305, Diesel, RBP. 6 Cyl 1 cylinder set		2500 3330 5000	1	3.6	91.49	2 1	3/32 1/8	2	1/4	1136
M165 Tractor, 4.212 to Engine No. 212UA87004, Direct Injection Diesel			4	3.7/8	98.425	12	3/32	4	1/4	1029
M165 Tractor, 4.212 to Engine No. 212UA87005, Direct Injection Diesel			4	3.7/8	98.425	8	3/32	4	1/4	1030

Massey Ferguson (Tractors) (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
3.86 Litre Tractor, M175 Tractor, 4.236, Direct Injection Diesel. RBP			4	3.7/8	98.425	12	3/32	8	1/4	932
5.8 Litre, 1100D Tractor, 6.354 Direct Injection Diesel. RBP			6	3.7/8	98.425	18	3/32	12	1/4	93
6.1 Litre MF685, 6.372, Direct Injection Diesel			6	3.9785	101.054	18	3/32	6	1/4	1108
MF178, 185, 188			4	3.9785	101.054	12	3/32	4	1/4	1033

Mazda

[illegible]

Mercedes (Daimler Benz)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
220 D, OM615, Engine, Diesel	1969→	2197	4	3.425	87	8	2.0	4	4.0	1198
240 D Diesel New 240 D Diesel New 240 D Diesel	1973→ 1976→ 1978-81	2404 2399	4	3.583	91	4 4	3.0 2.0	4	4.0	1199
OHC 300 D Diesel	1976→	3005	5	3.583	91	5 5	3.0 2.0	5	4.0	1200

MG

MG Midget	1961-62	948	4	2.4775	62.928	12	.070	4	1/8	2
MG Midget 1100	1963-69	1098	4	2.542	64.58	12	1/16	4	1/8	435
1300, 1300 Mk II Midget Mk III Metro 1300 "A" and "A" Plus Engines	1967-72 1967-74 1982→	1275 1275 1275	4	2.780	70.61	8	.047	4	4.0	1506
MG 1300 Mk II	1969-71	1275	4	2.780	70.61	12	3/64	4	5/32	945
Metro, Metro Turbo "A" Plus Engine	1982→	1275	4	2.781	70.63	8	1/16	4	4.0	1507
MG 1300 Midget Mk III	1967-71	1275	4	2.780	70.61	12	1/16	4	5/32	827
MG Magnette ZA	1954-56	1489	4	2.7/8	73	12	5/64	4	5/32	5
MG Midget 1500	1974-81	1493	4	2.900	73.65	8	1/16	4	5/32	972
Maestro "R" Series Engine	1982	1598	4	3.001	76.20	8	1.5	4	4.0	1508
MG MGB 1800, MGB GT	1965-71	1798	4	3.159	80.25	12	1/16	4	5/32	939
MG MGB 1800, MGB GT	1971→	1798	4	3.159	80.25	8	1/16	4	5/32	1020
MG, MGC	1968-70	2912	6	3.280	83.325	18	5/64	6	3/16	855
MG MGB GT, V8	1973→	3528	8	3.1/2	88.90	16	5/64	8	3/16	842

Mini

Austin Mini Van, Moke & Automatic, Mk I & Mk II Mini 850 Morris Mini Van, Moke & Automatic, Mk I & Mk II	1960-70 1970→ 1960-69	848 848 848	4	2.4775	62.928	12	.070	4	1/8	2
Austin, Morris, Mini Cooper Mk II Austin, Morris, Mini Super De Luxe, Mk II, 1000 Mini 1000 Clubman	1963-69 1968-70 1970→	998 998 998	4	2.542	64.58	12	1/16	4	1/8	435
Austin, Morris, Mini Cooper 'S' 3 Ring Piston	1963-70	1071 1275	4	2.780	70.61	8	3/64	4	5/32	944
Austin, Morris, Mini Cooper 'S' 4 Ring Piston Mini Cooper 'S' Mk III	1963-70 1970→	970 1071 1275	4	2.780	70.61	12	3/64	4	5/32	945
Mini 1275 GT	1970→	1275	4	2.780	70.61	12	1/16	4	5/32	827

Mitsubishi

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Colt 1200 EL, GL Lance 1200 A 141 Mirage 1200 EL, TL, GL G11B, 4G11 Engines	1977→ 1978→	1244 1244	4	2.736	69.50	8	1.5	4	4.0	1503
Colt Lancer 1200 Populaire GL, SL New 4G33, 4G36 Engine Colt Lancer, Celeste, Delica, L300, A72, LO31 Fork Lift FG10, FG15 New 4G33 Engine	8/1977→	1238 1439	4	2.874	73	8	1.5	4	4.0	1154
Lancer 1400 4G30, 4G33 Engine	1974→	1439	4	2.874	73	8	2.0	4	4.0	1166
Mirage 1400 GL, GLX, GLS Lancer 1400 EL, GL, SL Celeste 1400 SR, GL, GSL Coupe G12B, 4G12 Engine	1977	1410	4	2.913	74	8	1.5	4	4.0	1208
Mirage 1400 Delica 75, EV, QE, GE, 1400 Galant 1400 Truck T121 4G41R Engine	1974-79	1378	4	3.110	76.50	8	2.0	4	4.0	1504
Celeste 2000 GT Galant 2000 GLS, GLX Sapporo 2000 GSR Sigma 2000 GLX New Galant 2000 GLS New Sapporo 2000, GSL Coupe, GSR Coupe New Sigma 2000	1978→ 1981→ 1978→ 1978→ 1984→ 1981→ 1983→	1997	4	3.346	85	8	2.0	4	4.0	1209

Morgan

4/4 Series III 4/4 Series IV 4/4 Series V 4/4 1600 QVH Engine	1961 1962 1963-67 1968→	997 1340 1498 1598	4	3.187	80.95	8	5/64	4	5/32	323
Plus 4, Plus 4 Plus, Plus 4 Super Sport 4 Ring Piston RBP	1963-68	2138	4	3.385	85.99	8	1/16	8	5/32	1511
Plus 8, 3.5 Litre V8 Engine	1968-76	3528	8	3.499	88.86	16	5/64	8	3/16	842
Plus 8, 3.5 Litre V8 Engine	1977→	3528	8	3.499	88.86	16	1/16	8	3/16	1160

Morris (Commercial)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
2.2 Litre, 1-1½ ton, Diesel, RBP	1955-71	2178	4	3.1/4	82.55	12	3/32	8	3/16	68
Ital 1.7, Marina 1700 Ital 2.0 Van	1980→	1695 1994	4	3.324	84.44	8	1.75	4	5/32	1173

Nissan/Datsun

Micra DX, L, Colette Micra GL, Auto GL, Colette Eng. MA10	1983→ 1986-90	987	4	2.6772	68.00	8	1.5	4	2.8	1604
Bluebird 1000, 312, 410 C Engine, 4 Cyl Sunny 1000, Cherry 100A, F11 Pulsar 100A A10 Engine, 4 Cyl Sunny 1200 Cherry 120A, 120Y, B110, B120, B210 A12 Engine, 4 Cyl Bluebird, 1200 Pick-Up, P410, 320 E Engine, 4 Cyl B210 A13 Engine, 4 Cyl Bluebird, 1300 Pick-Up, P410, P411 U510 J Engine, 4 Cyl Cabstar, 1300 Pick-Up, 521, 620, A321 J13 Engine, 4 Cyl	1958-64 1966→ 1970→ 1963-64 1973-74 1965-69 1970→	988 988 1171 1189 1288 1299 1299	4	2.874	73	8	2.0	4	4.0	837
Sunny 140Y, Pulsar 140A, Violet 140J Vanette C20, B210, B310 A14 Engine	1975-76	1396	4	2.992	76	8	2.0	4	4.0	1168
Sunny 1.3L, GS, DX E13 Engine Sunny 1.5DX, GL, SGL E15 Engine	5/1982→ 1982→	1270	4	2.992	76	8	1.5	4	4.0	1513
UN521, N620, GN620, VN620, VGN620, KSE, 20DA, VSE 20SV J15 Engine, 4 Cyl Caravan, VE 20DA, Homer T20, UT20, HT20, G/VHT 20GK J16 Engine, 4 Cyl Caravan, E/SE20, Cablight, PA321, Cedric Special 6, H130/WH130/VH130 L20/A/E Engine, 6 Cyl 2 Cylinder Set	1969→ 1973→ 1966-70	1483 1567 1998	2	3.070	77.97	4	2.0	2	4.0	1494
Violet 1600, Stanza 1.6GL, SGL LT11, FLT11, LX, SGX, LT12, FLT12 Bluebird 1.6 GL, DX, RL, RLU, RU Engine CA16	1981→ 1984	1598	4	3.0709	78.00	8	1.5	4	4.0	1495
Cherry Europe 1.2 Boxer Engine	1983→	1186	4	3.150	80	4 4	1.5 1.75	4	4.0	1496
Bluebird 1300, 510 L13 Engine, 4 Cyl Bluebird 1400, Sunny 140Y, Violet 140J, N510, N710, PB140 PB210 L14 Engine, 4 Cyl	1967-70 1970-78	1296 1428	2	3.268	83	4	2.0	2	4.0	1095

Continued on page 32

Nissan/Datsun (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Bluebird 1600, Violet 160J, Skyline 160K, P510, P710, VTJ510, VBC211 L16 Engine. 4 Cyl	1967→	1595								
Bluebird 1600, Violet 160J, Skyline 160K, J910, KJ910, TLJ910, Z16 Engine. 4 Cyl	1978	1595								
Cedric 240C, Laurel 240L, Skyline 240K, Fairlady 240Z, ML430, KMLC230, MLGC210, KMLGC210 L24 Engine. 6 Cyl	1970→	2393								
Cedric 260C, Gloria, Laurel 260L, Fairlady 260Z L26 Engine. 6 Cyl	1972→	2565								
2 cylinder set										
Cherry Europe 1.5GTi Boxer Engine	1983→	1490	4	3.307	84	4 4	1.5 1.75	4	4.0	1500
Bluebird 180B, 180K, P610, KPL720, UPL720 L18 Engine	1971→	1770	4	3.347	85	8	2.0	4	4.0	1096
Bluebird P910, KP910, WP910 Z18 Engine	1978→	1770								
Primera GS, SLX, GSX, SGX Single Point Fuel Injection Engine SR20 DI Primera 2.0e ZX, GT, LX, SLX, SGX Sunny 2.0 GTi Multi Point Fuel Injection Engine SR20 DE	1990-93 1990→ 1992→	1998	4	3.3858	86.00	8	1.5	4	4.0	1631
280C Saloon and Estate 280Z 2+2, 280ZX 2+2 L28 Engine	1975→	2753	6	3.386	86	12	2.0	6	4.0	1169

Opel (General Motors)

Kadett S Coupe 1000S Engine	1961-65	993	4	2.834	72	8	2.0	4	5.0	1019
Kadett Kadett E, City, Coupe Aero Voyage, Berlina	1962-65 1975-80	993 993	4	2.834	72	8	2.5	4	5.0	1212
Kadett, Kadett Caravan L, Kadett Coupe, Kadett L, Kadett XE, Olympia Coupe, Rallye Kadett LS 1100L, 1100SR	1966-73	1078	4	2.953	75	8 4	2.0 2.0	4	5.0	988
Kadett 1.3, Luxus, Berlina, Caravan, Voyage, SR Corsa 1.3, TR, Luxus, TR Luxus, Berlina, TR Berlina, SR Ascona 1.3, Luxus, Berlina Manta 1.3GT, CC GT 1300S Engine, 70/75 b.h.p.	1979→	1297	4	2.953	75	4 4	1.75 2.0	4	4.0	1214

Opel (General Motors) (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Ascona, Kadett Caravan, Kadett City, Kadett Coupe, Kadett L, Manta Rallye Kadett, 1.2S Rear Wheel Drive Kadett 1.2N, S, Estate Front Wheel Drive	1973-80 1980→	1196 1196	4	3.110	79	8	2.0	4	5.0	1105
Ascona 1.6N, L, Berlina Ascona 1.6S, L, SR, Berlina, CD Kadett 1.6SR, Berlina, Voyage OHC Engine	1981→ 1981→ 1982→	1598 1598 1598	4	3.149	79.98	4 4	1.5 1.75	4	4.0	1211
Rekord B, C, 1500, L, Caravan 1500 4 Cyl Rekord B, G6, Coupe 6, Commodore A 6 Cyl 2 cylinder set	1965-71 1965-70	1492 2213	2	3.248	82.50	4	2.0	2	5.0	1021
Manta 1.8S, Berlinetta, GT, J Rekord 1.8S, E, Berlina, Caravan 18S Engine Kadett GTE Ascona SR, E, CD 18E Engine, Injection	1982→	1796 1796	4	3.339	84.78	4 4	1.49 1.74	4	4.0	1448
Ascona 1.6, 1.6S Manta 1.6, 1.6S	1971-81	1584	4	3.347	85	8	2.0	4	5.0	1106
Blitz K300, 330, 2276, L375 Commodore 2500, Berlina, Voyage GS2500HL, 2500E, Berlina, Voyage, Coupe Commodore GS/E, 2500E Commodore 2.5S, CD2.5S, Voyage	1967-75 1967-74 1970-71 1981→	2490 2490 2490 2490	6	3.425	87	12	2.0	6	5.0	1024
Kadett 1700LS, Olympia, Coupe Rekord 1700, 1700L, Coupe 1700, Caravan 1700 Rekord 2/D 1700N, Caravan Rekord 2/D 1700S, Coupe, Caravan Rekord B, C, 1700, L, Coupe, Caravan Kadett B1700 17S Engine Rekord B, C, D, E, 1700N, Caravan Rekord 2/D, 1700S, Coupe, Caravan 17N Engine Rekord L, Berlina 2100D, Caravan, Blitz 2.1 TL1755 Engine. Diesel	1965-71 1967-82 1972-74 1965-82 1967-82 1972-74 1974-79	1698 1698 1698 1698 1698 1698 2068	4	3.465	88	8	2.0	4	5.0	1025
Rekord L, Berlina 2100D, Caravan Blitz 2.1 TL1755 Engine. Diesel 4 Ring Piston	1972-74	2068	4	3.465	88	12	2.0	4	5.0	1534
Admiral, Commodore, 2800GS, HC, Coupe, E, GS/E, 2800EC, Coupe, Diplomat 2800E, Kapitan, Kapitan S Senator, Senator C, Monza, Monza C	1965-69 1978-81	2784 2784	6	3.622	92	12	2.0	6	5.0	1026

Opel (General Motors) *(continued)*

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
2.3 Litre, Rekord, 23D L, Berlina 23D Caravan Diesel	1978→	2260	4	3.622	92	8	2.0	4	4.0	1220
Ascona 1900, L, S, SR, Berlina Rekord 1900, L, Coupe, Caravan Rallye Kadett 1900L, LS Rekord Sprint 1900 HL Blitz 1900 Manta 1900SR Rekord 1900SH Manta GT/E, L, Berlinetta, Kadett GT/E, Rekord L, Berlina, Sprint, Caravan	1965-78 1970-78 1975-78	1897 1897 1897	4	3.661	93	8	2.0	4	5.0	1027
Ascona L, SR, 2 Litre Berlina 2.0S Caravan 2.0S Berlina Caravan 2.0E Berlinetta 2.0S Berlinetta E, GT, 2 Litre Kadett GT/E 2 Litre Kadett 2.0E Rallye 2.0E Manta E, L, SR 2 Litre Rekord LS 2 Litre 4 Cyl Senator 3.0S, C Monza 3.0S, C Senator 3.0E, C, CD Monza 3.0E, C, GSE 6 Cyl 2000S Engine 2 cylinder set	1975 1977→ 1975 1977→ 1975→ 1978-82 1978→	1979 1979 1979 1979 1979 2969 2969	2	3.740	95	4	2.0	2	4.0	1174

Perkins (Engines)

1.62 Litre, 4.99, From Engine No 7034969 (with 5/64 ins Top Compression Ring), Diesel, RBP			4	3	76.2	4 8	5/64 1/16	8	3/16	930
1.76 Litre, 4.107, Diesel, RBP			4	3.1/8	79.375	4 8	5/64 1/16	8	3/16	955
1.76 Litre, 4.108, Diesel, RBP			4	3.1/8	79.375	4 8	5/64 1/16	4 4	1/8 3/16	820
2.36 Litre, P3.144, Diesel RBP. 3 Cyl 3.15 Litre, PA, PB, P4, 4.192, Diesel, RBP. 4 Cyl 4.73 Litre, PF, PG, P6, 6.288 Diesel, RBP. 6 Cyl 1 cylinder set			1	3.501	88.925	2 1	3/32 1/8	2	1/4	1135
3.152, Diesel, RBP. 3 Cyl 3.33 Litre, 4.203, Diesel, RBP. 4 Cyl 5 Litre, 6.305, Diesel, RBP. 6 Cyl 1 cylinder set		2500 3330 5000	1	3.6	91.49	2 1	3/32 1/8	2	1/4	1136

Perkins (Engines) *(continued)*

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
2.5 Litre, 3.152D Direct Injection, Diesel, RBP. 3 Cyl 3.33 Litre, 4.203D, Direct Injection Diesel, RBP. 4 Cyl 1 cylinder set		2500 3300	1	3.6	91.49	3	3/32	1 1	3/16 1/4	1107
4.165 Engine, Diesel		2710	4	3.622	92	4 4	2.0 2.5	4	4.0	1256
4.212 to Engine No 212UA87004 Direct Injection Diesel			4	3.7/8	98.425	12	3/32	4	1/4	1029
4.212 from Engine No 212UA87005 Direct Injection Diesel			4	3.7/8	98.425	8	3/32	4	1/4	1030
3.86 Litre 4.236, Direct Injection Diesel, RBP			4	3.7/8	98.425	12	3/32	8	1/4	932
5.8 Litre, 6.354, Direct Injection Diesel, RBP			6	3.7/8	98.425	18	3/32	12	1/4	93
5.8 Litre, 6.354, 2, NA 120 Direct Injection Diesel, RBP	1969→		6	3.7/8	98.425	6 12	1/8 3/32	12	1/4	1031
5.8 Litre, T6.354, TA, T6.354.1 Turbocharged Diesel			6	3.7/8	98.425	6 12	1/8 3/32	6	3/16	1032
5.8 Litre, T6.354.3 Turbocharged Diesel, RBP (with Wedge Type Top Compression Ring)			6	3.7/8	98.425	6 6	1/8W 3/32	12	3/16	1077
4.248, Direct Injection Diesel			4	3.9785	101.054	12	3/32	4	1/4	1033
6.1 Litre, 6.372, Direct Injection Diesel			6	3.9785	101.054	18	3/32	6	1/4	1108

Peugeot

104L, GL, ZA 104ZL XV3(108) Engine, (5CV) 104GL, ZA, ZL XV5 Engine, (4CV) 205GL XV8 Engine, (4CV)	1972-80 1978→ 1980→ 1980→	954 954 954 954	4	2.756	70	8	2.0	4	4.0	1156
104 Coupe ZS, 104 Berline GL6, S, ZS, SL, XW3(109), XW3S(121) Engines 104 GL, GR XW3(109) Engine 104Z, ZR, ZA, GL, GR 205GL, GR, XL, XR XW7 Engine	1979→ 1980→	1124 1124	4	2.835	72	4 4	1.5 2.0	4	4.0	1155
204D, 204D Break XLD Engine, 1st Series, Diesel	1967-68	1255	4	2.953	75	4 4	1.5 2.0	4	4.0	1535
204D, 204D Break XLD Engine, 2nd Series, Diesel	1968-74	1255	4	2.953	75	8	1.5	4	4.0	1392

Peugeot (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
104 SR XZ5 Engine	1979→	1218	4	2.953	75	4	1.75	4	4.0	1165
104S, ZS XY63 Engine	1979→	1218				4	2.0			
309GE, GL, GR Profile OHV Engine	1986→	1294	4	3.020	76.70	4	1.75	4	4.0	1536
						4	2.0			
204 XK5(127) Engine	1975-77	1127	4	3.071	78	4	1.75	4	4.0	1224
304 Break CL, Fourgonnette LE XK5 Engine	1976-79	1127				4	2.0			
304GL, SL XL5(118) Engine	1975→	1290								
304 SLS XL5S(122) Engine										
305GL, GR, Break GL XL5(118) Engine	1977→	1290								
305SR	1977→	1472								
305GR, S, Break SR	1980→									
305GL	1981→									
Break GL	1982→									
205D, GLD, GRD, SRD, XRD, XAD XTD	1984-93	1768	4	3.1496	80.00	8	2.0	4	3.0	1625
305 GLD, GRD	1987									
309 Diesel Engine. XUD7	1988-89									
205, Cti, Gti 309 Auto, GRi, GTX, SRI, XRI 405 Auto, GLi, GTX, SRI Engine UX5, Fuel Injection	1984-92 1985-92 1987→	1580	4	3.2677	83.00	8	1.75	4	4.0	1630
305, 309, 405, GLD, GRD, SRD Break Diesel Engine XUD9	1983-93	1905	4	3.2677	83.00	8	2.0	4	3.0	1614
504 Carburettor XM, XMi Engines (10CV)	1970	1796	4	3.307	84	4	1.5	4	4.0	1111
504 Fuel Injection KF5, KF6 Engines	1970	1796				4	2.0			
504L, GR, SR, AO1, AO3, EO1/EO3, F81 Commercials	1970→	1796								
XM7(105) Engine (10CV) Fourgon J7F, J7FP, J7FS, J7FT. Vans	1970→	1796								
XM7P(105) Engine. (10CV) JS 1000 XM7T Engine	1981→	1796								
404D, LD Break, 404-U6D, U8D, U10D, 504L Commerciale, Break L, J7 XD4-88, TMD88, XDP88 Engines Diesel	1963-67	1948	4	3.465	88	12	2.0	4	4.5	1113
504 V6, Coupe, Cabriolet 604 V6 SL ZM112 V6 Engine	1974-81	2664	6	3.465	88	6	1.5	6	4.0	1159
504 Coupe Ti V6 604 Ti STi ZMJ Engine	1977→	2664				6	2.0			

Peugeot (continued)

[illegible]

Princess (British Leyland)

1800, 1800 HL B Series Engine	1975-78	1798	4	3.160	80.25	8	1/16	4	5/32	1020
1700L, HL, HLS 2000 HL O Series Engine	1978-82 1980-82	1695 1994	4	3.325	84.44	8	1.75	4	4.0	1173

Reliant

[illegible]

Renault (Car and Van)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set		Oil Width	SET No.
				inches	mm	Compression No	Width		
R4, R1120, R1122 68.02 Engine R4, R1126-2392 R4 Fourgonette R2109 R5L, R1220 839-01/06 Engine	1969→	782	4	2.197	55.80	4 4	1.75 2.0	4 3.5	1232
R4, R1123 R4 Fourgonette, R2106, R2391 R5L, R1221, R1391 R5 Societe, R2381 R6, R1180 Rodeo "4" ACL-1A 800-800/02-800/03-800/10 Engines	1969→ 1977→ 1969→ 1970→	845 845 845	4	2.2835	58	4 4	1.75 2.0	4 3.5	1115
R5TL (Type 1222) 689-10 Engine (5CV) Up to No. 23541 R5TL (Type 1222) 689-10 Engine (5CV) No. 23542 Onwards R5 Societe (Type R2382, R2387) 688-13 Engine RS (Supercinq), TC, C CIC-C400 Engine	1971-72 1972→ 1972→ 1972→	956 956 956 956	4	2.559	65	4 4	1.75 2.0	4 3.5	1116
R8, R10, 1100 Major, Estafette, Caravelle R6TL	1963-71 1971→	1108 1108	4	2.756	70	8 4	2.0	4 3.5	956
R4 GTL, R1128, R4F6, R4 Van, R2370, R2430, R1128 688/12 Engine R5, R1227 (3 door), R5TL, GTL, R1397 (5 door), R5 Societe, R2387, R6L TL, R1181, Rodeo "6" ACL 2b 688/10 Engine R8M, R1132, R8S, R1136 Caravelle, Floride, R1133, R10, R1190, 1733, 2132, 2133, 2134, 2135, Estafette 800, R2132, R2133, Estafette 1000, R2134, R2135 688/01/02/03/06/09 Engines R9 (LAZI), RC9C, TC, GTC, TCE, R11 GTC, TC, C1E 15 Engine	1965→ 1981→	1108 1108	4	2.756	70	4 4	1.75 2.0	4 3.5	1230
R5LS, TS (Type R1224), R5GTL (Types R1225, R1226, R1228, U.S.A.) R5 (Types R1394, R1395, R1396) R5TL (Type R1371) R5 1300 Auto (Type R1225) R10 1300 (Type R1192) R12L, TL (Type R1170), R12 Break L, TL (Types R1171, R1330) R12 Auto (Type 1177), R12 TS (Type 1179), R12 Break TS (Type R1337) R12 Societe (Type R2360) R15TL, GTL (Type R1300) R15TR (Type R1300) Alouette (Type R2136) Estafette (Types R2136, R2137) Rodeo (Type 4D 1128)	1974→ 1970-75 1972-80 1981→	1289 1289 1289 1289	4	2.874	73	4 4	1.75 2.0	4 4.0	1072

Renault (Car and Van) (continued)[illegible]

Renault (Car and Van) (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
R12 L, TL, TS Export (Type R1178) R12 Break Export (Type R1332) 841.10/11/99 Engine R18 TS, GTS R18 GTL R18 Break TS, GTS (Types R1350 R1351), R18 Automatic 841 (AZM) Engine Trafic P1000, P3.1, P5.1, P6.1 841 Engine up to No. 262.800	1972-77 1978→ 1981→ 1979→ 1981	1647 1647 1647 1647 841								1233
R19 Chamade TD, GTD, TDE R21 GSD, SD Clio RL, RN, RT Diesel Engine F8Q/F8QA 706	1989→ 1991→	1870	4	3.1496	80.00	8	2.0	4	3.0	1632
R11, R19, R21, 1.7 Litre Engine F2N R5, R9, R11, R21 1.7 Litre Engine F3N 718	1989→ 1986→	1721	4	3.189	81.00	4 4	1.75 2.0	4	3.0	1633
30TS Type R1273 112.00/01/02/03, 144.00.01 V6 Engines, OHV R30 TS 144 V6 Engine Fuel Injection, R30 TX, R1278, R25 V6 Injection 140 V6 Engine	1975-79 1979-81 1978→	2664 2669 2664	6	3.465	88	6 6	1.5 2.0	6	4.0	1159
R20 LS, TS, R25 GTX, Fuego GTX 829 Engine	1980→	2165	4	3.465	88	4 4	1.75 2.0	4	4.0	1235

Riley (British Leyland)

Elf A Series Engine	1962-63	848	4	2.477	62.93	12	.070	4	1/8	2
Elf Mk II Elf Mk III Kestrel 1100 A Series Engine	1964-65 1966-69 1966-68	998 998 1098	4	2.542	64.57	12	1/16	4	1/8	435
Elf OHV Engine	1963-69	998	4	2.542	64.57	12	1/16	4	5/32	1176
Elf Mk II, Mk III	1963-69	998	4	2.542	64.57	8	1/16	4	5/32	1510
1300 Mk II A Series Engine	1969-70	1275	4	2.780	70.61	8	1/16	4	5/32	1507
Kestrel 1300 Mk II A Series Engine	1969-70	1275	4	2.780	70.61	12	3/64	4	5/32	945
Kestrel 1300, 1300 Mk II	1968-69	1275	4	2.780	70.61	8	3/64	4	5/32	1506
Kestrel 1300 A Series OHV Engine	1961-68	1275	4	2.780	70.61	12	1/16	4	5/32	827
1275cc Engine overbored to give 1380cc A Series Engine	1968-69	1380	4	2.894	73.50	8	1.5	4	4.0	1512

Rover

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Rover 213, S, SE, Vanden Plas Engine EV	1984-90	1342	4	2.9134	74.00	8	1.5	4	4.0	1634
Metro 1.1C, L, S, Metro 1.4 SL, GS, GT Engine K8 OHC 214 Si, SL, SLi, GLi 414 SL, SLi, GLi Metro 1.4 GTi Engine K16 DOHV Injection	1990→ 1989→ 1990→	1120 1396 1396	4	2.9528	75	4 4	1.2 1.5	4	3.0	1635
216 S, SE OHC Carburettor Engine S Series	1985-90	1598	4	3.000	76.20	8	1.5	4	4.0	1492
60	1954-59	1997	4	3.063	77.8	8 4	.070 3/32	4	5/32	40
60 4 Cyl 100 6 Cyl 110 6 Cyl 3 Litre Mk I, II and III 2 cylinder set	1954-59 1960-62 1963-64 1959-67	1997 2625 2625 2995	2	3.063	77.8	4	.070	2	5/32	387
SD1 2300, 2300S PE 146 Engine SD1 2600, 2600S, 2600SE, 2600 Vanden Plas PE 166 Engine	1977→ 1977→	2350 2597	6	3.189	81	12	1.75	6	4.0	1149
218SD 418 SLD Diesel Engine XUD9	1991→ 1992→	1905	4	3.2677	83.00	8	2.0	4	3.0	1614
2000 O Series Engine	1982→	1993	4	3.325	84.44	8	1.75	4	4.0	1173
2000, SC, TC	1964-73	1980	4	3.375	85.73	8	.070	4	3/16	971
3.5 Litre, 3500, S, Range Rover	1968-76	3528	8	3.499	88.86	16	5/64	8	3/16	842
SDI Rover 3500SE, Vandan Plas, Range Rover V8 Engine Vitesse EFi Vandan Plas EFi Range Rover EFi	1977→ 1982→ 1984→ 1986→	3528 3528 3528 3528	8	3.499	88.86	16	1/16	8	3/16	1160
80	1960-62	2286	4	3.562	90.48	8	.070	4	3/16	280
2200SC, TC	1973-76	2205	4	3.563	90.50	8	.070	4	5/32	1073

PISTON RINGS

Saab										
Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
99 Up to JB 87509 Engine, OHC	1969–71	1709	4	3.287	83.49	4 4	2.0 3.0	4	5/32	1038
99, 99L, CM2	1971–74	1854	4	3.425	86.99	4 4	1.75 2.0	4	4.0	1039
95, 96, V4 Sonett III, Sonett V4 97, Sonett V4	1967→ 1968–71 1973→	1498 1498 1699	4	3.543	90	4 4	2.0 3.0	4	5.0	883
99, EMS, 99L ER4, 99L CM4 99/L/GL/Combi Coupe, 900GL GL/Combi Coupe, 900 EMS/GLE, Fuel Injection B20, BT20, BT120 Engines	1972→ 1974→ 1974→	1985 1985 1985	4	3.543	90	4 4	1.75 2.0	4	4.0	1117

Seat

124, 124D Lujo, 124LS 1200/1400 Sport 128/3P 124A.000 Engine	1968–81	1197	4	2.874	73	4 4	1.5 2.0	4	4.0	896
1430 1430, 1600, 1430 Especial 1600	1970→ 1974→	1438 1592	4	3.150	80	4 4	1.5 2.0	4	4.0	897
124 Sport Coupe 1800 124D Especial 1800 132 AC.000 Engine	1974–75 1979→	1756 1756	4	3.307	84	4 4	1.5 2.0	4	4.0	1097

Simca

1000L, LE, LX, Fourgonette VF1-VF2 350 Engine 1000 Rallye 6CV, 1000 Special Fourgonette VF2 1100LS, GL, GLS 1100 Break, GLS, LE 350S, 351 Engines 1000S, 1100 1100 Export 1100 Special 1200S 353, 353S, 354 Engines 1301S, LS, GL, GLS 345, 345S Engines	1976-78	1118 1118 1204 1295	4	2.913	74	4 4	1.75 2.0	4	4.0	851
1100 Special, TI, Break Matra Bagheera 1307 GLS, S 1000 Rallye 1. 371-161 Engine 1000 Rallye 2, Special IG4 Engine Matra Bagheera, SX 1308 GT, S 1100 GL, GLS, SX	1972→ 1973→ 1976-79 1972→ 1973→ 1976→ 1976-79 1980→	1294 1294 1294 1294 1294 1442 1442 1442	4	3.020	76.70	4 4	1.75 2.0	4	4.0	1075

Singer

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Chamois Chamois Sport Chamois Coupe	1965-71 1967-71 1968-71	875 875 875	4	2.677	67.99	8	1/16	4	1/8	935
Gazelle Vogue, Gazelle Vogue, Gazelle	1967-69 1961-65 1966-69	1496 1592 1725	4	3.210	81.54	8	5/64	4	5/32	442

Skoda

Estelle 105 S/L	1978→	1046	4	2.677	68	8	2.0	4	4.0	1127
1100 MB De Luxe, Octavia, Combi, S110L	1968→	1107	4	2.8346	72	12	2.0	4	4.0	1041
S110 R Coupe	1972→	1107	4	2.8346	72	8	2.0	4	4.0	1100
Estelle 120/L & 120/LS		1174	4	2.8346	72	8	2.0	4	4.0	1128

Subaru

Leone 1400 E63S Engine	1972→	1361	4	3.347	85	8	2.0	4	4.0	1242
Leone 1600 EA71 Engine	1977→	1595	4	3.622	92	8	2.0	4	4.0	1170

Talbot

1000 5CV, 1100 5CV	1976→	944	4	2.677	68	4 4	1.75 2.0	4	4.0	1240
Sunbeam 1.0 LS, GLS	1980-81	928	4	2.755	69.99	8	1/16	4	1/8	1148
Samba GL, LS XV5 Engine	1981→	954	4	2.756	70	8	2.0	4	4.0	1516
Samba GL, LS XW3, XW7 Engines	1981→	1124	4	2.835	72	4 4	1.5 2.0	4	4.0	1517
Sunbeam 1.0, LS, GLS	1980-81	996	4	2.856	72.53	8	1/16	4	1/8	1518
Horizon L, LS Horizon LE, LS	1981→ 1982→	1118 1118	4	2.913	74	4 4	1.75 2.0	4	4.0	851
Samba GLS, Cabriolet XY6B Engine	1981→	1360	4	2.953	75	4 4	1.75 2.0	4	4.0	1165

Talbot (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Horizon LS, GL, GLS Horizon LS Alpine LE, LS, GL Solara LE, LS, GLS Solara LE Horizon GLS, SX Horizon GL, S, LS Alpine GL, GLS Solara Rancho 6G1, 6G4, 6Y4, Y2, G1, G4, Y1 J2 Engines	1980-81 1982→ 1980-83 1982-83 1983→ 1980→ 1981→ 1980-82 1982→ 1980→	1294 1294 1294 1294 1294 1442 1442 1442 1442 1442	4	3.020	76.70	4 4	1.75 2.0	4	4.0	1075
Avenger 1.3LS, GL Estate Sunbeam 1.3LS, GL	1980-81 1980-81	1295 1295	4	3.095	78.60	8	5/64	4	5/32	1000
Solara 1.6LS, GL, GLS, SX, SE Alpine 1.6GL, GLS, SX, LE, LS Minx, Rapier	1980→ 1980→ 1985→	1592 1592 1592	4	3.174	80.62	4 4	1.75 2.0	4	4.0	1239
Avenger 1.6LS, GL, GLS, Estate Sunbeam 1.6LS, GL, GLS	1980-81 1980-81	1598 1598	4	3.439	87.34	8	5/64	4	5/32	1071
Chrysler 160GT, 180 Europa 160GT, 180	1970→	1812	4	3.452	87.70	4 4	1.75 2.0	4	4.0	1061
Tarora SX, 2.6 Litre LG V6 Engine	1980→	2664	6	3.465	88	6 6	1.5 2.0	6	4.0	1159
2 Litre 7T2, 949 Engine	1980-81	1981	4	3.610	91.70	4 4	1.75 2.0	4	4.0	1121

Toyota (Car, Van, Pick-Up, Truck, Bus and Fork Lift)

[illegible]

Toyota (Car, Van, Pick-Up, Truck, Bus and Fork Lift) *(continued)*

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Crown 2000 M Engine	1967→	1988	6	2.953	75	12	2.0	6	4.0	1043
Corona 1500 2K Engine	1965-69	1490	4	3.071	78	4 4	2.0 2.5	4	4.0	1044
Crown, Crown 2000, Crown Mk II Corona Mk II Cressida	1971-80	2563	6	3.150	80	12	2.0	6	4.0	1132
Corona 1600S 4R Engine	1965-68	1587	4	3.169	80.5	4 4	2.0 2.5	4	4.0	1045
Carina, Celica 1600ST, Corolla 2T, 2TB, 2TC Engines	1972→	1588	4	3.347	85	8	2.0	4	4.0	1242
Corona 1800 EFI, SL/SX Sedan/Hard Top/Liftback Coupe Celica Camray 1800 CX Sedan Carina 1800 EFI, ST/SE Sedan/Coupe Celica 1800 EFI, ST/SE Coupe/Liftback Coupe 3T/13T Engines	1977→	1770	4	3.347	85	8	1.5	4	4.0	1520
Corona Mk II, Corona 1600 Hard Top SL 7R-B Engine Corona Mk II, Corona 1700 Hard Top SL 6R-B Engine Corona Mk II, Corona 1900 Hard Top SL 8R-B Engine Corona Mk II, Corona 1600 DX 7R Engine Corona Mk II, Van DX Mk II 6R Engine for LPG Corona Mk II, Corona 1900 Hard Top SL 8R-8RC Engine	1969→ 1969→ 1969→ 1970→ 1970→ 1970→	1591 1707 1858 1591 1707 1858	4	3.389	86	4 4	2.0 2.5	4	4.0	1118
Corona, Crown, Stout, RS4, RS30 RS31, RS36, RS40, RS46, RK100, PK160, PK170, Dyna 3R, 3R-B Engines	1960-67	1897	4	3.465	88	8	2.5	4	5.0	1046
Stout, Crown Special, Crown Van, Dyna, Coaster 5R Engine	1967→	1994	4	3.465	88	4 4	2.0 2.5	4	4.0	1119
Mk II 1800, 1800 Van Corona 1800, 1800 Van Hi-Ace Van 16R Engine Corona 1800, Carina 1800 16R-U Engine Corona 1800 16R-B Engine Mk II 1800 Van Hi-Ace Commuter Bus Corona 1800 Van, Hi-Ace Van 16R-J Engine	1973-76 1977-78 1976-77 1973-76 1976→ 1976-80	1808 1808 1808 1808 1808 1808	4	3.484	88.50	4 4	2.0 2.5	4	4.0	1157

Toyota (Car, Van, Pick-Up, Truck, Bus and Fork Lift) (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Celica 2000 Mk III Cressida 2000, Station Wagon Corona Mk II 2000 Commuter 2000 Hi-Lux Pick-Up Hi-Ace Van, Light Bus Hi-Lux 4 WD 18R, 18R-C Engines Celica 2200 Corona 2200 Coaster Light Bus Chinook Camper Hi-Lux Pick-Up 2200 20R Engine	1972-77 1979→ 1974→	1968 1968 2189	4	3.484	88.50	4 4	2.0 2.5	4	4.0	1157
FJ Landcruiser, FA, FB, FC Truck and Bus FS Patrol F Engine	1954-72	3878	6	3.543	90	12	3.0	12	4.0	1161
Landcruiser F Engine	1972-74	3878	6	3.543	90	6 6	2.0 2.5	12	4.0	1523
Landcruiser FJ45, FJ55 2F Engine	1975→	4229	6	3.701	94	6 6	2.0 2.5	6	4.0	1524

Triumph

Herald 1200, 12/50 Spitfire, Spitfire Mk II 7 cwt Van	1961-70 1962-67 1962-65	1147 1147 1147	4	2.728	69.29	8	5/64	4	5/32	448
Acclaim HL, HLS, CD Acclaim L	1981-84 1982-84	1335	4	2.835	72	8	1.5	4	4.0	1139
1300, 1300 TC Herald 13/60 Spitfire Mk III and Mk IV Toledo Dolomite 1300 1500, 1500 TC Dolomite 1500, 1500 HL Spitfire 1500	1966-70 1967-71 1968-75 1970-76 1976-81 1970-76 1976-81 1974-81	1296 1296 1296 1296 1296 1493 1493 1493	4	2.900	73.65	8	1/16	4	5/32	972
2000, 2000 Mk II, 2000 TC Vitesse & Mk II GT6, Mk I, II & III	1964-71 1967-70	1998 1998 1998	6	2.941	74.69	12	5/64	6	5/32	397
TR5 PI, TR6 PI 2.5 PI Mk I and II TR 2500, 2500S, 2500TC	1968-76	2498	6	2.941	74.69	12	1/16	6	5/32	853
TR4, TR4A	1961-67	2138	4	3.385	86	8	1/16	4	5/32	911
Stag	1970-76	2997	8	3.385	86	8 8	2.0 3.0	8	5/32	1047
Dolomite 1850, 1850 HL	1973-81	1854	4	3.425	86.99	4 4	1.75 2.0	4	4.0	1039
Dolomite Sprint TR7	1974-81 1977-82	1998 1998	4	3.555	90.29	8	1.75	4	4.0	1130

Vanden Plas

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
1100 Princess & Mk II	1964-68	1098	4	2.542	64.58	12	1/16	4	1/8	435
1300 Princess	1968-73	1275	4	2.780	70.612	12	1/16	4	5/32	827
3 Litre Princess	1959-66	2912	6	3.280	83.325	18	3/32	6	3/16	284

Vauxhall

Nova 1.0, Merit 1.0 10S Engine		993	4	2.834	72	8	2.0	4	5.0	1388
Astra 1300L, GL Cavalier 1300L, GL Nova 1.3 L, GL, SR 1300S Engine	1980→ 1981→ 1983→	1297 1297 1297	4	2.953	75	4 4	1.75 2.0	4	4.0	1214
Astra 1.3L, GL, E, Merit Belmont 1.3L, GL, Merit Cavalier 1.3L, GL Nova 1.3L, GL, SR Suitable for piston with 1.5mm Compression groove width From engine number 12N1225589 Engine 1.3N and 1.3S	1980-89 1986-89 1981-88 1983-89	1297	4	2.9528	75.00	8	1.5	4	4.0	1553
Nova, Merit, Nova Van Corsa, 1.5 TD Nova, Merit, Turbo Diesel Indirect Injection	1990-93 1993→ 1989-93	1487	4	2.991	76.00	4 4	2.0 1.5	4	3.0	1636
Astra 1.4L, LX, GL Belmont 1.4 Cavalier 1.4L Nova L Engine 1.4 NV Belmont Astra Merit LS, GLS, CD, Si Nova Merit Luxe, Flair Corsa Engine C1.4NZ Fuel Injection	1988→ 1988-91 1988-92 1988-93 1989-91 1990-93 1990→ 1993→	1389	4	3.0551	77.60	8	1.5	4	3.0	1637
Nova 1.2, Merit L 12ST Engine to Engine number 12ST-19136602		1196	4	3.063	77.80	4 4	1.75 2.0	4	4.0	1390
Nova 1.2L, GL, Merit OHC Engine 1.2ST	1983-92	1196	4	3.0622	77.78	8	1.5	4	4.0	1612
Astra 1.2E, 1.2L, 1.2S 1200S Engine	1980→	1196	4	3.110	79	8	2.0	4	5.0	1213
Astra, Belmont, L, GL, 1.6 Cavalier L, GL, 1.6 Engine 16SV Nova GSi 1.6 Nova GTE 1.6 Astra 1.6	1987-90 1987→ 1990-93 1987-93 1991→	1598	4	3.1102	79.00	4 4	1.2 1.5	4	3.0	1554
OHC Cavalier 1600L, GL, GLS, SR OHC Astra 1.6L, GL	1981→ 1982→	1598 1598	4	3.149	79.98	4 4	1.5 1.75	4	4.0	1211
Astra 1600L Cavalier 1600L Diesel	1982→	1598	4	3.150	80	8	2.0	4	3.0	1526

Vauxhall (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
Astra, Belmont, Cavalier 1.7D Astramax 1.7D Diesel	1989→	1700	4	3.248	82.50	8	2.0	4	3.0	1619
Carlton 1800, GL 18S Engine Astra GTE Cavalier SRi, CD, GLi, GLSi Belmont GLSi 18E Engine. Injection	1982→ 1982→ 1982→ 1986→	1796 1796 1796 1796	4	3.339	84.78	4 4	1.5 1.75	4	4.0	1448
Carlton 1.8L GL Cavalier 1.8L, GL Engine 1.8SV Astra 1.8i, SRi, GLS, LXi, CD Belmont 1.8i, SRi, GLS, LXi, CD Cavalier 1.8 Li, LXi Engine 1.8SE (Fuel Injection) Carlton 1.8i, GL, CD Engine 1.8SEH (Fuel Injection)	1986-92 1989→ 1987→ 1987-91 1986-88 1987→	1796	4	3.3386	84.80	8	1.5	4	3.0	1555
Cavalier 1600, L, SL, GL, GLS, Sports Hatch	1975-81	1584	4	3.347	85	8	2.0	4	5.0	1106
Carlton 2.0 Astra 2.0 GTE, Cavalier L, GL, GLi, CD, SRi Frontera 2.0i Calibra 2.0i Engine 2.0NE, 2.0 SEH (Fuel Injection) Engine 2.0 SER (Injection) Engine 2.0 XE 16V (Fuel Injection)	1986→ 1987→ 1991→ 1990→	1998	4	3.3858	86.00	8	1.5	4	3.0	1556
Cavalier GSi, 4x4, GSi Cavalier SRi Engine C.2.0, XE 16V DOHC (Injection)	1989-92 1992→	1998	4	3.3858	86	8	1.5	4	3.0	1556
Viceroy 2500S Carlton 2500	1981-83	2490	6	3.425	87	12	2.0	6	5.0	1024
Royale 2800, 2800 Coupe	1978-83	2784	6	3.622	92	12	2.0	6	5.0	1026
Frontera 2.3 TD Engine 23DTR		2260	4	3.622	92.00	8	2.0	4	4.0	1639
Cresta, Velox, Ventora, Ventora II, Victor 3300, SL, Estate, Viscount 5/64 Compression rings	1965-76	3294	6	3.625	92.08	12	5/64	6	3/16	947
Cavalier 1900, GL, GLS Cavalier 1900 Coupe, GL, GLS	1975-78	1897	4	3.661	93	8	2.0	4	5.0	1027
Frontera 2.4i Engine 24NE		2410	4	3.740	95.00	8	1.5	4	3.0	1638
Cavalier 2000, LS, GLS, Coupe Sports Hatch. 4 Cyl Carlton 2000, 2000 Estate, 2000i. 4 Cyl Royale 3000, Coupe 3000 6 Cyl Senator 3.0i, 3.0i CD 6 Cyl 2 Cylinder Set	1978-81 1979→ 1978-82 1984	1979 1979 2968 2968	2	3.740	95	4	2.0	2	4.0	1174

Vauxhall (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set		Oil Width	SET No.
				inches	mm	Compression No	Width		
Viva 2300SL	1972-73	2279	4	3.840	97.54	8	5/64	4	1060
Firenza 2300, Sports SL	1972-75	2279							
Victor 2300SL, 2300SL Estate	1972-78	2279							
VX 4/90, VX 2300, Estate, GLS	1972-78	2279							
Magnum 2300, Coupe, Estate	1974-78	2279							

Volkswagen (Car, Van, Pick-Up, Bus and Industrial Engine)

Polo, L, GL, Jeans Polo	1975-81	895	4	2.736	69.50	4	1.75	4	1384
Derby, L, LX, GL, CL						4	2.0		
Polo, Classic, S Jeans, GT, GL, LS, GLS, C, CL, Coupe	1974→	1093							
Derby, S, LS, GLS, CLS, L, GL, C, CL									
Golf, LGL, C, CL									
Scirocco, L									
Industrial Engine 036.1.121									
Polo Formel E, Classic, S, LS, GLS, C, CL, GL	1981→	1093							
Derby Formel E, S, LS, GLS, C, CL, GL									
Golf Formel E, L, GL, C, CL									
Jetta Formel E, C, CL, GL									
Polo LS, GLS	1976-77	1093	4	2.736	69.50	4	1.75	4	1084
						4	2.5		
Passat Variant, N, L, GL	1973-81	1296	4	2.953	75	4	2.0	4	1085
1300-ZF Engine						4	2.5		
Derby LS, GLS, LX, CLS, CL, GL	1977→	1272	4	2.953	75	4	1.75	4	1245
Polo LS, GLS, GT, C, CL, GL, Coupe						4	2.0		
Golf S, LS, GLS, C, CL, GL									
Jetta L, GL, C, CL									
Scirocco L, CL, GL									
Passat Variant L, GL, C, CL									
Quantum (USA)									
801 Engine									
Passat S, LS, TS, GL	1973-75	1471	4	3.012	76.50	4	2.0	4	1086
Variant, GL						4	2.5		
Scirocco LS, TS, GL									
Dasher									
Scirocco L	1974-75	1471							
Golf S, LS, GL									
Golf D, LD, GLD	1976-80	1471	2	3.012	76.51	2	1.75	2	1527
Passat D, LD, GLD						2	2.0		
Industrial Engine 068.2, 128 4 Cyl	1976-81								
Golf D, LD, GLD, C, CL, GL	1980→	1471							
Jetta D, LD, GLD, C, CL, GL									
Passat D, LD, GLD									
Variant									
Quantum									
Santana D, CL, GL									
Transporter 245, 247, 251, 253, 255 4 Cyl									
Golf Turbo Diesel C, CL, GL, GTD	1982→	1471							
Jetta Turbo Diesel C, CL, GL									
Passat Turbo Diesel									
Variant									
Santana Turbo Diesel CL, GL									
Industrial Engine 068.5 4 Cyl									
2 Cylinder Set									

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Volkswagen (Car, Van, Pick-Up, Bus and Industrial Engine) (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
LT28D, LT31D, LT35D, LT40D, LT45D, Allrad Industrial Engine 076.1 6 Cyl LT40, LT45, LT50 Turbo Diesel 6 Cyl 2 cylinder set	1978→ 1983→	2383 2383	2	3.012	76.51	2 2	1.75 2.0	2	3.0	1527
1300 1300, 1300 Cabriolet, 1300 Karmann Ghia Type 113, Engine No. F1081423 onward Air Cooled. 4 Cyl 2 cylinder set	1966-67 1968-70	1285 1285	2	3.032	77	4	2.0	2	4.0	903
Golf 1600S, LS, GTi Passat 1600S, LS, TS Scirocco 1600 TS, L, LS, GTi	1973-75	1588	4	3.130	79.50	4 4	2.0 2.5	4	4.0	1528
Golf C, CL, LS, GL, GLS, S, Cabriolet Jetta C, CL, LS, GL, GLS, S Scirocco CL, LS, GL, GT, S 4 Cyl Golf LS, GLS, GTS, S Jetta C, CL, GL Passat, Variant, Formel E, C, CL, GL, GLS, LS, S, TS Santana Formel E, CL, GL Scirocco CL, LS, GL, S, TS, GT Rabbit LS, GLS, S. (USA) Dasher LS, GLS. (USA) 4 Cyl. Rabbit, Super Rabbit LS, GLS, S Jetta LS, GLS, S Scirocco CL, LS, GL, GT Quantum C, CL, GT. (USA) Ultis 183 4 Cyl Passat, Variant, CL5, GL5, LS5 Quantum (USA) Santana CL5, GL5 5 Cyl Passat CL5, GL5 Santana CL5, GL5 5 Cyl 1 Cylinder Set	1977→ 1975→ 1978→ 1981→ 1982→	1457 1588 1716 1921 2144	1	3.130	79.50	1 1	1.75 2.0	1	4.0	1164
Golf 1600S, LS, GTi Passat 1600S, LS, TS Scirocco 1600TS, L, GTi	1975-77	1588	4	3.130	79.50	4 4	1.75 2.5	4	5.0	1087
1500A, Air Cooled	1965-67	1493	4	3.268	83	8	2.0	4	4.0	854
1600, 1600TL, Air Cooled 1600TL, Variant 1600, Air Cooled From Engine 124-03268 and 126-18321 to 411116 Transporter 1600, 1302S	1966-68 1968→ 1969→	1584 1584 1584	4	3.362	85.50	8	2.0	4	5.0	975
411E, 411LE, 412LE. Type 4 1.7 Litre Air Cooled	1969→	1679	4	3.543	90	8	2.0	4	5.0	1049

Volkswagen (Car, Van, Pick-Up, Bus and Industrial Engine) *(continued)*

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
412LS, Kombi, Van, Pick-Up, Microbus 1.8 Litre Air Cooled	1973→	1795	4	3.661	93	8	2.0	4	4.0	1131
Kombi, Van, Pick-Up, Microbus 2.0 Litre Air Cooled	1975→	1970	4	3.700	94	4 4	1.75 2.0	4	4.0	1248
Kombi, Van, Pick-Up, Microbus 2.0 Litre Air Cooled	1975→	1970	4	3.700	94	8	2.0	4	4.0	1158
Volvo										
66GL Sedan, Kombi 810, B13E Engines	1975-80	1289	4	2.874	73	4 4	1.75 2.0	4	4.0	1253
343, L, DL, GL 345, L, DL, GL 340, L, DL 840, B140E Engines	1976→	1397	4	2.992	76	4 4	1.75 2.0	4	4.0	1249
244GLD6, 245GLD6 D24 Engine 760GLE D24TD Engine, Turbocharged Diesel	1978→ 1982→	2383 2383	6	3.021	76.51	6 6	1.75 2.0	6	3.0	1532
PV544, P1800, 121, 122S, 123GT, 131, 132S, 133, 142, 142S, 144, 144S, 221, 223, B18A, B18B, B18D Engines	1961-68	1780	4	3.313	84.14	8	5/64	4	3/16	910
264DL, GL, GLE, TE 265GL	1974→	2644	6	3.465	88	6 6	1.5 2.0	6	4.0	1159
142, 142S, E, 144DL, S, GL, E 145DL, S, 1800S, E, ES B20A, B20B, B20E, B20F Engines 4 Cyl 160, 164, 164E, 165, 166 B30A, B30E Engines 6 Cyl 2 Cylinder Set	1969→ 1969→	1986 2979	2	3.500	88.89	4	2.0	2	3/16	1050
142/144/145 De Luxe, Grand Luxe 242/244/245L, DL B20A, B20B, B20E Engines. 4 Cyl 242/244/245L, DL B19E Engine. 4 Cyl 242/244/245L, DL B19A Engine. 4 Cyl 340, 360 Series Carburettor B19A Engine. 4 Cyl 360 GLT Fuel Injection B19E Engine. 4 Cyl 164-C303-C304-C306 B30 Engine. 6 Cyl 164E B30E Engine. 6 Cyl 2 Cylinder Set	1973-74 1974 1976→ 1976→ 1980→ 1982→ 1973-74 1973-74	1986 1986 1986 1986 1986 1986 2986 2986	2	3.500	88.89	2 2	1.75 2.0	2	4.0	1250
242DL, 244DL, 245DL B21A Engine	1974-78	2127	4	3.622	92	8	2.0	4	4.0	1129

Volvo (continued)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
242DI, 244DL, 254L, GL, DL, T B21A Engine. Carburettor	1973-74	2127	4	3.622	92	4 4	1.75 2.0	4	4.0	1486
242DL, GL, 244DL, GL, 245DL, T B21A Engine. Carburettor	1979→	2127								
242GL, GT, 244GL, GLI, DLI, GLE, 245DLI, GLI B21E Engine, Fuel Injection	1974	2127								

Wolseley

Hornet A Series Engine	1962-63	848	4	2.477	62.93	12	.070	4	1/8	2
Hornet Mk II Hornet Mk III 1100 A Series Engine	1963-66 1966-70 1966-69	998 998 1098	4	2.542	64.57	12	1/16	4	1/8	435
OHV Hornet	1963-69	998	4	2.542	64.57	12	1/16	4	4.0	1176
Hornet Mk II, Mk III	1963-70	998	4	2.542	64.57	8	1/16	4	4.0	1533
1300, 1300 Mk II	1968-73	1275	4	2.780	70.61	8	3/64	4	5/32	944
1300 Mk II A Series Engine	1969-73	1275	4	2.780	70.61	12	3/64	4	5/32	945
OHV 1300 A Series Engine	1967-73	1275	4	2.781	70.63	12	1/16	4	5/32	827
1500, 15/50, 15/60 B Series Engine	1956-65	1489	4	2.875	73.03	12	5/64	4	5/32	5
18/85 B Series Engine	1971-72	1798	4	3.160	80.25	8	1/16	4	5/32	1020
18/85 B Series Engine	1967-71	1798	4	3.160	80.25	12	1/16	4	5/32	939

Yugo

45 100.GL.0.64 Engine	1980→	903	4	2.559	65	4 4	1.75 2.0	4	5/32	989
55, 311, 313 128.A.000 Engine	1972→	1116	4	3.150	80	4 4	1.5 2.0	4	5/32	897
1300, 101 1300, 65 OHC Engine	1979→	1290	4	3.386	86	4 4	1.5 2.0	4	5/32	1098

Zetor (Tractors)

Make and Model	Year	cc	No of Cylinders	Cylinder bore		Rings per set			Oil Width	SET No.
				inches	mm	Compression No	Width	No		
2011, 2013, 2017, 2033. 2 Cyl 3011, 3013, 3016, 3017, 3045. 3 Cyl 4011, 4045. 4 Cyl 1 Cylinder Set		1560 2340 3120	1	3.7402	95	3	3.0	2	5.0	1058
6711. 2, 3 & 4 Cyl 1 Cylinder Set			1	3.9370	100	3	3.0	2	5.0	333
4911, 6911, 6945 1 Cylinder Set	1978→		1	4.0157	102	3	3.0	1	5.0	1147
8011. 4 Cyl 8601. 6 Cyl 1 Cylinder Set		4562 6842	1	4.3307	110	3	3.0	1	6.0	1059

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			Perkins	
1031	3.7/8		Leyland, Perkins	27, 35
1032	3.7/8		Perkins	27, 35
1033	3.9785		Massey Ferguson,	28, 35
			Perkins	
1034	3		Petter	57
1035		80	Petter	57
1036	3.1/2		Petter	57
1037		77	Renault	39
1038	3.286		Saab	42
1039	3.424		Saab, Triumph	42, 46
1041		72	Skoda	43
1042		75	Toyota	44
1043		75	Toyota	45
1044		78	Toyota	45
1045		80.5	Toyota	45

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1046		88	Toyota	45
1047		86	Triumph	46
1048		58	Jap/Villiers	58
1049		90	Volkswagen	50
1050	3.1/2		Volvo	51
1058		95	Zetor	53
1059		110	Zetor	53
1060	3.840		Bedford, Vauxhall	15, 49
1061	3.452		Chrysler	44
1063		89	BMW	15
1071	3.439		Hillman, Talbot	24, 44
1072		73	Renault	38
1073	3.9/16		Rover	41
1075		76.7	Simca, Talbot	42, 44
1076	4.3/4		Gardner	24
1077	3.7/8		Perkins	35
1081		80	Alfa Romeo	11
1084		69.5	Audi, Volkswagen	11, 49
1085		75	Audi, Volkswagen	11, 49
1086		76.5	Audi, Volkswagen	11, 49
1087		79.5	Audi, Volkswagen	12, 50
1088		89	BMW	15
1089		90	Daimler, Jaguar	17, 25
1091		74	Citreon	16
1095		83	Nissan, Datsun	31
1096		85	Nissan, Datsun	32
1097		84	Lancia, Seat	26, 42
1098		86	Fiat, Yugo	19, 52
1100		72	Skoda	43
1101		64.98	Jap/Villiers	58
1105		79	Opel	33
1106		85	Opel, Vauxhall	33, 48
1107	3.6		Massey Ferguson, Perkins	27, 35
1108			Massey Ferguson, Perkins	28, 35
1111		84	Peugoet	36
1112		88	Peugoet	37
1113		88	Peugoet	36
1114		90	Ford, Peugoet	22, 37
1115		58	Renault	38
1116		65	Renault	38
1117		90	Saab	42
1118		86	Toyota	45
1119		88	Toyota	45
1120		80.25	Leyland	27
1121	3.61		Talbot	44
1122		62.5	Bond, Reliant	15, 37
1124		73.94	Ford	20
1126		76	Lada	26
1127		68	Skoda	43
1128		72	Skoda	43
1129		92	Volvo	51
1130		90.28	Triumph	46
1131		93	Volkswagen	51
1132		80	Toyota	45
1133		93	Ford, Reliant	23, 37
1135	3.501		Ford, Massey Ferguson, Perkins	24, 34
1136	3.6		Commer, Ford, Massey Ferguson, Perkins	16, 24, 27, 34
1137		83	Jaguar	25
1138		70	Honda	24
1139		72	Honda, Triumph	24, 46
1140		74	Honda	24
1141		68	Mazda	28
1142		73	Mazda	28
1143		78	Mazda	28
1144		80	Mazda	28
1145		72	Toyota	44
1147		102	Zetor	53
1148		70	Talbot	43
1149		81	Rover	41
1150		73.5	Fiat	18
1151		76	Fiat	18
1153		84	Fiat	19
1154		73	Mitsubishi	30
1155		72	Peugeot	35
1156		70	Peugeot	35
1157		88.5	Toyota	45, 46
1158		94	Volkswagen	51
1159		88	Peugeot, Renault, Talbot, Volvo	36, 40, 44, 51
1160		88.86	Morgan, Rover	30, 41

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1161		90	Toyota	46
1163		90	Fiat	19
1164		79.5	Audi, Volkswagen	12, 50
1165		75	Peugeot, Renault, Talbot	36, 39, 43
1166		73	Mitsubishi	30
1168		76	Nissan, Datsun	31
1169		86	Nissan, Datsun	32
1170		92	Subaru	43
1172		74	Honda	24
1173		84.44	Austin, Princess, Morris, Rover	14, 27, 31, 37, 41
1174		95	Bedford, Opel, Vauxhall	15, 34, 48
1175		84	Alfa Romeo	11
1176		64.57	Austin, Riley, Wolesley	12, 40, 52
1177		70.61	Austin	13
1181		76	Daihatsu	17
1182		71.6	Daihatsu	17
1185		88	Fiat	19
1187		86.4	Fiat	19
1188		77	Fiat	18
1189		77	Honda	25
1190		72	Honda	24
1191		79	Lada	26
1192		86.4	Lancia	26
1193		76	Lancia	26
1195		70	Mazda	28
1196		77	Mazda	28
1197		80	Mazda	28
1198		87	Mercedes	29
1199		91	Mercedes	29
1200		91	Mercedes	29
1208		74	Mitsubishi	30
1209		85	Mitsubishi	30
1211		80	Bedford, Opel, Vauxhall	15, 33, 47
1212		72	Opel	32
1213		79	Vauxhall	47
1214		75	Bedford, Citreon, Opel, Vauxhall	15, 16, 32, 47
1220		92	Bedford, Opel	15, 34
1221		80	BMW	15
1224		78	Peugeot	36
1225		88	Peugeot	37
1228		94	Ford Peugeot	23, 37
1230		70	Renault	38
1232		55.8	Renault	38
1233		79	Renault	39, 40
1235		88	Renault	40
1239		80.6	Talbot	44
1240		68	Talbot	43
1242		85	Subaru, Toyota	43, 45
1245		75.01	Audi, Volkswagen	11, 49
1247		79.5	Audi	12
1248		94	Volkswagen	51
1249		76	Volvo	51
1250		88.9	Volvo	51
1253		73	Volvo	51
1254		79.96	Ford, Reliant	20, 37
1256		92	Perkins, Volkswagen	35
1384		69.5	Audi, Volkswagen	11, 49
1385		75	Wabco Westinghouse Compressor	60
1386	3.5/16		Wabco Westinghouse Compressor	60
1388		72	Vauxhall	47
1390		77.8	Vauxhall	47
1391		85	Wabco Westinghouse Compressor	60
1392		75	Peugeot	35
1393	2.9/16		Briggs & Stratton	54
1394		66.674	Tecumseh/Aspera	57
1395	2.3/8		Briggs & Stratton	54
1397	3.1/2		Kohler	56
1398	2.3/4		Briggs & Stratton	54
1400	2.5/16		Briggs & Stratton	54
1403	2.1/2		Briggs & Stratton	54
1404	2.1/2		Briggs & Stratton	54
1405	2.25/32		Briggs & Stratton	54
1406	3		Briggs & Stratton	54
1407	2.1/2		Tecumseh/Aspera	57
1408		73.024	Kohler	56
1409		74.612	Kohler	56
1410		79.374	Kohler	56

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1411		82.548	Kohler	56
1412		85.725	Kohler	56
1414		67	Honda	55
1415		76	Honda	55
1416		64	Honda	55
1418		60	Honda	55
1420	2.1/4		Qualcast/Suffolk	57
1421	2.1/4		Qualcast/Suffolk	57
1422		60.324	Kohler	55
1423		95.250	Kohler	56
1424		55	Villiers/Mag	58
1425		65	Villiers/Mag	58
1426		70	Villiers/Mag	58
1427		70	Villiers/Mag	58
1430		69	Villiers/Mag	56
1432		74	Villiers/Mag	56
1433		78	Villiers/Mag	56
1434		82	Villiers/Mag	56
1435		88	Villiers/Mag	56
1436		59	Villiers/Mag	58
1437		85	Dennis	55
1438	2.13/16		Tecumseh/Aspera	58
1439		72	Mag	56
1440	3.9/16		Landrover, Leyland	26, 27
1441	2.5/8		Tecumseh/Aspera	57
1442		87.65	Ford	22
1443	2.3/4		Girling Compressor	60
1444	2.1/2		Bendix Westinghouse Compressor	59
1445	2.1/2		Bendix Westinghouse Compressor	59
1446	1.3/4		Clayton Dewandre Compressor	59
1447		75	Wabco Westinghouse Compressor	60
1448		84.78	Opel, Vauxhall	33, 48
1449		79.38	Tecumseh/Aspera	58
1450		84.07	Tecumseh/Aspera	58
1451	3.1/16		Briggs & Stratton	55
1452		66.674	Tecumseh/Aspera	57
1454		66.674	Tecumseh/Aspera	57
1455		63	Robin	57
1456		62	Robin	57
1457		66	Honda	55
1458		58.70	Tecumseh/Aspera	57
1459	2.5/8		Bendix Westinghouse Compressor	59
1460		75	Bendix Westinghouse Compressor	59
1461	3.7/16		Briggs & Stratton	55
1462	2.1/4		Bendix Westinghouse Compressor	59
1463		85	Clayton Dewandre Compressor	59
1464		69.849	Tecumseh/Aspera	58
1465		77.8	Tecumseh/Aspera	58
1466		84.13	Tecumseh/Aspera	58
1467		52	Villiers	58
1468	3.7/16		Briggs & Stratton	55
1469		75	Wabco Westinghouse Compressor	60
1470		75	Knorr Compressor	60
1471		88	Knorr Compressor	60
1472		63.499	Kohler	56
1473		64	Honda	55
1474	3.9/16		Landrover, Leyland	26, 27
1475	3		Briggs & Stratton	55
1476		80	Bedford	15
1478		80	Ford	20
1479		81.3	Ford	22
1480		88	Alfa Romeo	11
1481		90.83	Ford	23
1482		88	Alfa Romeo	11
1484		78	Mazda	28
1485		70.61	Austin, Morris	13
1486		92	Volvo	52
1488		76.50	Audi	11
1489	3.1/2		Austin	27
1490		65	Robin	57
1492		76.20	Austin, Rover	14, 41

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1493		71	Hyundai	25
1494		77.97	Nissan/Datsun	31
1495		78	Nissan/Datsun	31
1496		80	Nissan/Datsun	31
1500		84	Nissan/Datsun	32
1503		69.50	Mitsubishi	30
1504		76.50	Mitsubishi	30
1505		93	Fiat, Peugeot	19, 37
1506		70.61	MG, Riley	29, 40
1507		70.61	Austin, MG, Riley	12, 29, 40
1508		76.20	MG	29
1509		66.69	Clayton Dewandre Compressor	59
1510		64.57	Austin, Riley	12, 40
1511		85.99	Morgan	30
1512		73.50	Riley	40
1513		76	Nissan, Talbot	31
1516		70	Talbot	43
1517		72	Talbot	43
1518		72.53	Talbot	43
1519		75	Toyota	44
1520		85	Toyota	45
1523		90	Toyota	46
1524		94	Toyota	46
1526		80	Vauxhall	47
1527		76.51	Volkswagen	49, 50
1528		79.50	Volkswagen	50
1532		76.51	Volvo	51
1533		64.57	Wolseley	52
1534		88	Opel	33
1535		75	Peugeot	35
1536		76.70	Peugeot	36
1545	2.1/16		Bendix Westinghouse Compressor	59
1546	2.1/4		Bendix Westinghouse Compressor	59
1547	2.5/8		Bendix Westinghouse Compressor	59
1548		75.5	Hyundai	25
1549	2.1/8		Clayton Dewandre Compressor	59
1550	2.1/4		Clayton Dewandre Compressor	59
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1554		79	Bedford, Vauxhall	15, 47
1555		84.8	Vauxhall	48
1556		86	Vauxhall	48
1603		70.625	Austin	13
1604		68	Nissan/Datsun	31
1605		77.24	Ford	20
1607		86.2	Ford	22
1609		84.44	Austin, Leyland	14, 27
1612		77.78	Vauxhall	47
1614		83	Citreon, Peugeot, Rover	16, 36, 41
1615		68.7	Ford	20
1616		90.475	Land Rover	26
1617		82.5	Ford	22
1619		82.5	Vauxhall	48
1620		74	Ford	20
1621		91	Daimler, Jaguar	17, 25
1622		91	Daimler, Jaguar	17, 25
1623		70	Citreon	16
1624		70	Citreon	16
1625		80	Citreon, Peugeot	16, 36
1626		76	Ford	20
1627		80.6	Ford	21
1628		80.6	Ford	21
1629		84.8	Ford	22
1630		83	Peugeot	36
1631		86	Nissan/Datsun	32
1632		80	Renault	40
1633		81	Renault	40
1634		74	Rover	41
1635		75	Rover	41
1636		78	Vauxhall	47
1637		77.6	Vauxhall	47
1638		95	Vauxhall	48
1639		92	Vauxhall	48

Inches				Inches				Inches			
Unit	Fraction	Decimal	Millimetres	Unit	Fraction	Decimal	Millimetres	Unit	Fraction	Decimal	Millimetres
		.000100	.0025			.600000	15.2400			1.800000	45.7196
		.000200	.0050			.609375	15.4781			1.811037	46.0000
		.000400	.0100		39/64	.625000	15.8750	1	13/16	1.812500	46.0376
		.000800	.0200		5/8	.629924	16.0000	1	27/32	1.843750	46.8313
		.001000	.0250		41/64	.640625	16.2719			1.850000	46.9896
		.001200	.0300			.650000	16.5100			1.850407	47.0000
		.001600	.0400		21/32	.656250	16.6687	1	7/8	1.875000	47.6251
		.002000	.0500			.669294	17.0000			1.889777	48.0000
		.002400	.0600		43/64	.671875	17.0656			1.900000	48.2596
		.002800	.0700		11/16	.687500	17.4625	1	29/32	1.906250	48.4188
		.003000	.0760			.700000	17.7800			1.929147	49.0000
		.003100	.0800		45/64	.703125	17.8594	1	15/16	1.937500	49.2126
		.003500	.0900			.708664	18.0000			1.950000	49.5296
		.003900	.1000		23/32	.718750	18.2562			1.968522	50.0000
		.004000	.1020		47/64	.734375	18.6531	1	32/32	1.968750	50.0063
		.005000	.1270			.748034	19.0000	2		2.000000	50.8001
		.006000	.1520		3/4	.750000	19.0500			2.007892	51.0000
		.007000	.1780		49/64	.765625	19.4469	2	1/32	2.031250	51.5939
		.007900	.2000		25/32	.781250	19.8437			2.047262	52.0000
		.008000	.2030			.787409	20.0000			2.050000	52.0695
		.009000	.2290		51/64	.796875	20.2406	2	1/16	2.062500	52.3876
		.009800	.2500			.800000	20.3200			2.086632	53.0000
		.010000	.2540		13/16	.812500	20.6375	2	3/32	2.093750	53.1814
		.011800	.3000			.826779	21.0000			2.100000	53.3395
	1/64	.015625	.3969		53/64	.828125	21.0344	2	1/8	2.125000	53.9751
		.015700	.4000		27/32	.843750	21.4312			2.126002	54.0000
		.019700	.5000			.850000	21.5900			2.150000	54.6095
		.020000	.5080		55/64	.859375	21.8281	2	5/32	2.156250	54.7688
		.023600	.6000			.866149	22.0000			2.165372	55.0000
		.027600	.7000		7/8	.875000	22.2250	2	3/16	2.187500	55.5626
		.029500	.7500		57/64	.890625	22.6219			2.200000	55.8795
		.030000	.7620			.900000	22.8600			2.204742	56.0000
	1/32	.031250	.7937			.905519	23.0000	2	7/32	2.218750	56.3564
		.031500	.8000		29/32	.906250	23.0187			2.244112	57.0000
		.035400	.9000		59/64	.921875	23.4156	2	1/4	2.250000	57.1501
		.039370	1.0000		15/16	.937500	23.8125	2	9/32	2.281250	57.9439
		.040000	1.0160			.944889	24.0000			2.283482	58.0000
	3/64	.046875	1.1906			.950000	24.1300			2.300000	58.4195
		.050000	1.2700		61/64	.953125	24.2094	2	5/16	2.312500	58.7376
		.060000	1.5240		31/32	.968750	24.6062			2.322852	59.0000
	1/16	.062500	1.5875			.984259	25.0000	2	11/32	2.343750	59.5314
		.070000	1.7780		63/64	.984375	25.0031			2.350000	59.6895
	5/64	.078125	1.9844	1		1.000000	25.4001			2.362226	60.0000
		.078740	2.0000			1.023629	26.0000	2	3/8	2.375000	60.3251
		.080000	2.0320	1	1/32	1.031250	26.1938			2.400000	60.9594
		.090000	2.2860			1.050000	26.6699			2.401596	61.0000
	3/32	.093750	2.3812	1	1/16	1.062500	26.9876	2	13/32	2.406250	61.1189
		.100000	2.5400			1.062999	27.0000	2	7/16	2.437500	61.9126
	7/64	.109375	2.7781	1	3/32	1.093750	27.7813			2.440966	62.0000
		.118110	3.0000			1.100000	27.9397			2.450000	62.2294
	1/8	.125000	3.1750			1.102369	28.0000	2	15/32	2.468750	62.7064
	9/64	.140625	3.5719	1	1/8	1.125000	28.5751			2.480336	63.0000
		.150000	3.8100			1.141739	29.0000	2	1/2	2.500000	63.5001
	5/32	.156250	3.9687			1.150000	29.2097			2.519706	64.0000
		.157481	4.0000	1	5/32	1.156250	29.3688	2	17/32	2.531250	64.2939
	11/64	.171875	4.3656			1.181113	30.0000			2.550000	64.7694
	3/16	.187500	4.7625	1	3/16	1.187500	30.1626			2.559076	65.0000
		.196850	5.0000			1.200000	30.4797	2	9/16	2.562500	65.0876
		.200000	5.0800	1	7/32	1.218750	30.9563	2	19/32	2.593750	65.8814
	13/64	.203125	5.1594			1.220483	31.0000			2.598446	66.0000
	7/32	.218750	5.5562	1	1/4	1.250000	31.7501			2.600000	66.0394
	15/64	.234375	5.9531			1.259853	32.0000	2	5/8	2.625000	66.6751
		.236220	6.0000	1	9/32	1.281250	32.5438			2.637816	67.0000
	1/4	.250000	6.3500			1.299223	33.0000			2.650000	67.3094
	17/64	.265625	6.7469			1.300000	33.0197	2	21/32	2.656250	67.4689
		.275590	7.0000	1	5/16	1.312500	33.3376			2.677186	68.0000
	9/32	.281250	7.1437			1.338593	34.0000	2	11/16	2.687500	68.2626
	19/64	.296875	7.5406	1	11/32	1.343750	34.1313			2.700000	68.5794
		.300000	7.6200			1.350000	34.2897			2.716556	69.0000
	5/16	.312500	7.9375	1	3/8	1.375000	34.9251	2	23/32	2.718750	69.0564
		.314960	8.0000			1.377963	35.0000	2	3/4	2.750000	69.8501
	21/64	.328125	8.3344			1.400000	35.5597			2.755930	70.0000
	11/32	.343750	8.7312	1	13/32	1.406250	35.7188	2	25/32	2.781250	70.6439
		.350000	8.8900			1.417333	36.0000			2.795300	71.0000
		.354330	9.0000	1	7/16	1.437500	36.5126			2.800000	71.1194
	23/64	.359375	9.1281			1.450000	36.8297	2	13/16	2.812500	71.4376
	3/8	.375000	9.5250			1.456703	37.0000			2.834670	72.0000
	25/64	.390625	9.9219	1	15/32	1.468750	37.3063	2	27/32	2.843750	72.2314
		.393704	10.0000			1.496073	38.0000			2.850000	72.3893
		.400000	10.1600	1	1/2	1.500000	38.1001			2.874040	73.0000
	13/32	.406250	10.3187	1	17/32	1.531250	38.8938	2	7/8	2.875000	73.0251
	27/64	.421875	10.7156			1.535443	39.0000			2.900000	73.6593
		.433074	11.0000			1.550000	39.3696	2	29/32	2.906250	73.8189
	7/16	.437500	11.1125	1	9/16	1.562500	39.6876			2.913410	74.0000
		.450000	11.4300			1.574817	40.0000	2	15/16	2.937500	74.6126
	29/64	.453125	11.5094	1	19/32	1.593750	40.4813			2.950000	74.9293
	15/32	.468750	11.9062			1.600000	40.6396			2.952780	75.0000
		.472444	12.0000			1.614187	41.0000	2	31/32	2.968750	75.4064
	31/64	.484375	12.3031	1	5/8	1.625000	41.2751			2.992150	76.0000
	1/2	.500000	12.7000			1.650000	41.9096	3		3.000000	76.2002
		.511814	13.0000			1.653557	42.0000	3	1/32	3.031250	76.9939
	33/64	.515625	13.0969	1	21/32	1.656250	42.0688			3.031520	77.0000
	17/32	.531250	13.4937	1	11/16	1.687500	42.8626			3.050000	77.4693
	35/64	.546875	13.8906			1.692927	43.0000	3	1/16	3.062500	77.7877
		.550000	13.9700			1.700000	43.1796			3.070890	78.0000
		.551184	14.0000	1	23/32	1.718750	43.6563	3	3/32	3.093750	78.5814
	9/16	.562500	14.2875			1.732297	44.0000			3.100000	78.7393
	37/64	.578125	14.6844	1	3/4	1.750000	44.4501			3.110260	79.0000
		.590554	15.0000			1.771667	45.0000	3	1/8	3.125000	79.3752
	19/32	.593750	15.0812	1	25/32	1.781250	45.2438			3.149635	80.0000

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