

HEPOLITE

FOR QUALITY ENGINE COMPONENTS



*Do the job right
fit "Hepolite"*

Over 100 years of production

The Hepolite story begins in 1907, when Hepworth and Grandage was formed. The company moved to Bradford in 1916, and so began an incredible manufacturing journey that produced engineering components for numerous automotive and motorcycle applications for decades to come

At their height, the company were producing over a million piston rings a week from their St John's Works base in Bradford, which covered 90,000 square feet and housed over 500 production machines

In the early 1960's a new factory in Sunderland was constructed, with a complete ring shop and foundry, that would eventually make all Hepolite piston rings

Today, Hepolite produces and distributes Pistons, Piston Rings, Cylinder Liners, Valves & Valve Guides, Camshafts, Shell Sets, Valve Springs, Oil Pumps, Connecting Rods and other high quality engine components.

Hepolite products are available from all good retailers worldwide.

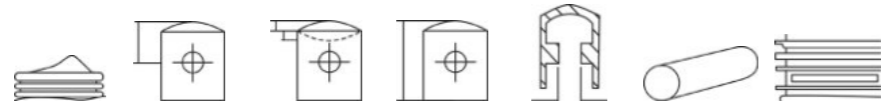


Hepolite advertising from 1948 and 1950

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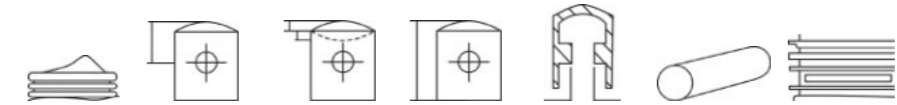
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HEPOLITE PISTONS



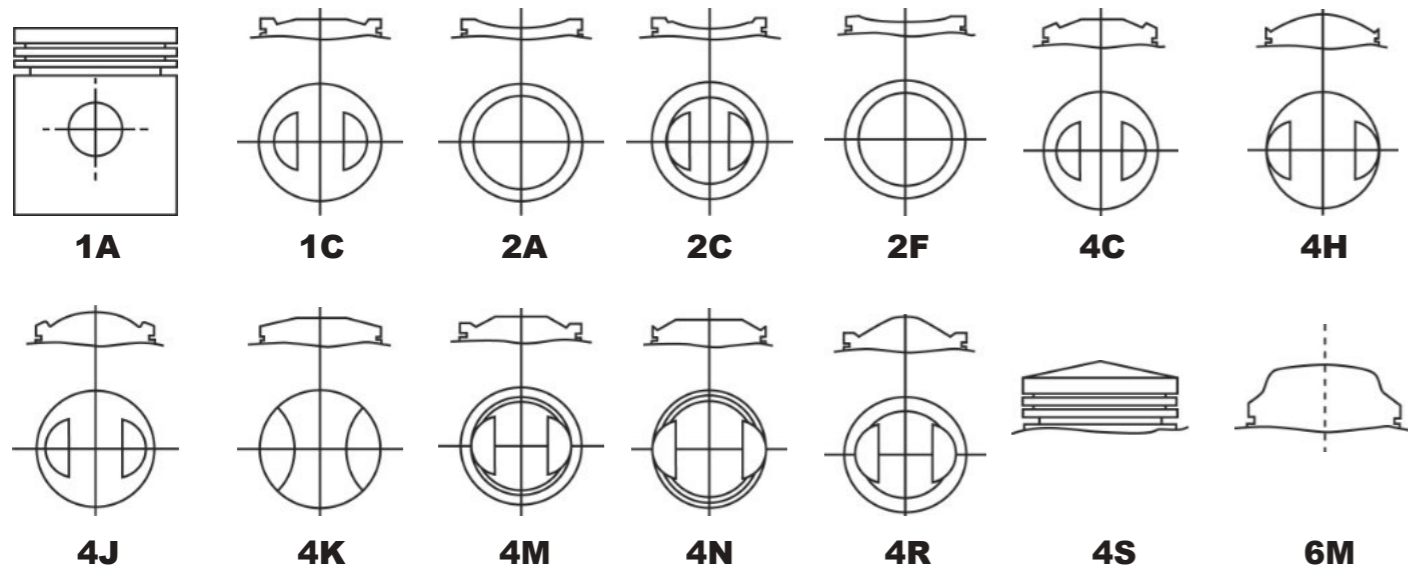
| Make & Model | Part Number | Crown Type | Compression Height | Crown Height | Overall Length | Internal Width | Gudgeon Pin Dia. | Ring Width | Std Bore Size | Compression Ratio |
|---|-----------------|------------|--------------------|--------------|----------------|----------------|------------------|------------|---------------|-------------------|
| Hepolite 16945 | | | | | | | | | | |
| BSA C25/B25 | | 4H | 1.378" | 0.270" | 2.565" | 1.080" | 0.6890" | 2x1/16" | 67mm | 9.5-1 |
| 250CC 1967-71 | | | 35.0mm | 6.9mm | 65.15mm | 27.43mm | 17.5mm | 1x1/8" | | 10-1 |
| Compression Ratio 9-1 for 1967-70 C25/B25 10-1 for 1971 B25SS/B25T 250SS models | | | | | | | | | | |
| STD bore | WW97304P | | | | | | | | | |
| +020 oversize | WW97305P | | | | | | | | | |
| +040 oversize | WW97306P | | | | | | | | | |
| +060 oversize | WW97307P | | | | | | | | | |
| Hepolite 19233 | | | | | | | | | | |
| BSA A65L/T/S | | 4K | 1.913" | 0.492" | 3.185" | 1.157" | 0.7500" | 2x1/16" | 75mm | 9-1 |
| | | | 48.56mm | 12.49mm | 80.9mm | 29.36mm | 19.05mm | 1x1/8" | | |
| STD BORE | WW97278P | | | | | | | | | |
| +020 oversize | WW97279P | | | | | | | | | |
| +040 oversize | WW97280P | | | | | | | | | |
| +060 oversize | WW97281P | | | | | | | | | |
| BSA A75 see Triumph T150/160 | | | | | | | | | | |
| Hepolite 19145 | | | | | | | | | | |
| Norton Commando | | 1C | 1.543" | N/A | 2.461" | 1.126" | 0.6869" | 2x1/16" | 73mm | 9-1 |
| 750CC 1964-73 | | | 39.20mm | | 62.5mm | 28.6mm | 17.43mm | 1x4mm | | |
| STD BORE | WW97033P | | | | | | | | | |
| +020 oversize | WW97076P | | | | | | | | | |
| +040 oversize | WW97078P | | | | | | | | | |
| +060 oversize | WW97079P | | | | | | | | | |
| Hepolite 19342 | | | | | | | | | | |
| Norton Commando | | 1A | 1.478" | N/A | 2.380" | 1.142" | 0.6869" | 2x1/16" | 77mm | 8.5-1 |
| 850cc 1973-77 | | | 37.54mm | | 60.45mm | 29.01mm | 17.43mm | 1x4mm | | |
| STD BORE | WW97311P | | | | | | | | | |
| +020 oversize | WW97312P | | | | | | | | | |
| +040 oversize | WW97313P | | | | | | | | | |
| +060 oversize | WW97314P | | | | | | | | | |
| TRIUMPH TR25W 250CC 1969-71 see BSA C25/B25 | | | | | | | | | | |
| Hepolite 15034 | | | | | | | | | | |
| TRIUMPH T100/5TA | | 4C | 1.385" | 0.270" | 2.484" | 1.001" | 0.6890" | 2x1/16" | 69mm | 7.5-1 |
| 500CC 1957-66 | | | 35.2mm | 6.86mm | 63.09mm | 25.45mm | 17.51mm | 1x1/8" | | |
| STD BORE | WW97370 | | | | | | | | | |
| +020 oversize | WW97371 | | | | | | | | | |
| +040 oversize | WW97372 | | | | | | | | | |
| +060 oversize | WW97373 | | | | | | | | | |
| Hepolite 15123 | | | | | | | | | | |
| TRIUMPH T100 | | 6M | 1.578" | 0.430" | 2.650" | 0.966" | 0.6890" | 2x1/16" | 69mm | 9-1 |
| 500CC 1958-67 | | | 40.8mm | 11.0mm | 67.3mm | 24.5mm | 17.51mm | 1x1/8" | | |
| STD BORE | WW97325 | | | | | | | | | |
| +020 oversize | WW97326 | | | | | | | | | |
| +040 oversize | WW97327 | | | | | | | | | |
| +060 oversize | WW97328 | | | | | | | | | |

HEPOLITE PISTONS



| Make & Model | Part Number | Crown Type | Compression Height | Crown Height | Overall Length | Internal Width | Gudgeon Pin Dia. | Ring Width | Std Bore Size | Compression Ratio |
|-----------------------------|-----------------|------------|--------------------|--------------|----------------|----------------|------------------|------------|---------------|-------------------|
| Hepolite 18786 | | | | | | | | | | |
| TRIUMPH Daytona | | 4N | 1.9970" | N/A | 3.1200" | N/A | 0.6890" | 2x1/16" | 69mm | 9-1 |
| 500CC 1968-74 | | | 50.724mm | | 79.24mm | | 17.51mm | 1x1/8" | | |
| STD BORE | WW60100 | | | | | | | | | |
| +020 oversize | WW60101 | | | | | | | | | |
| +040 oversize | WW60102 | | | | | | | | | |
| +060 oversize | WW60103 | | | | | | | | | |
| Hepolite 11564 | | | | | | | | | | |
| TRIUMPH 6T Iron head | | 4N | 1.3035" | 0.218" | 2.6181" | 1.811" | 0.6890" | 2x1/16" | 71mm | 7-1 |
| 650CC 1950-60 | | | 33.11mm | 5.54mm | 66.5mm | 30.0mm | 17.51 | 1x1/8" | | |
| STD BORE | WW97375 | | | | | | | | | |
| +020 oversize | WW97376 | | | | | | | | | |
| +040 oversize | WW97377 | | | | | | | | | |
| +060 oversize | WW97378 | | | | | | | | | |
| Hepolite 17844 | | | | | | | | | | |
| TRIUMPH T120 | | 4M | 1.294" | 0.566" | 2.868" | 1.220" | 0.6875" | 2x1/16" | 71mm | 9-1 |
| 650CC 1959-75 | | | 32.88mm | 14.39mm | 72.85mm | 31.0mm | 17.47mm | 1x1/8" | | |
| STD BORE | WW97037 | | | | | | | | | |
| +020 oversize | WW97068 | | | | | | | | | |
| +040 oversize | WW97070 | | | | | | | | | |
| +060 oversize | WW97071 | | | | | | | | | |
| Hepolite 20432 | | | | | | | | | | |
| TRIUMPH T140 TR7 | | 4J | 1.555" | 0.417" | 2.590" | 1.165" | 0.750" | 2x1/16" | 76mm | 7.4-1 |
| 750CC 1972 ON | | | 39.52mm | 10.6mm | 65.8mm | 29.6mm | 19.05mm | 1x1/8" | | |
| STD BORE | WW97380 | | | | | | | | | |
| +020 oversize | WW97381 | | | | | | | | | |
| +040 oversize | WW97382 | | | | | | | | | |
| +060 oversize | WW97383 | | | | | | | | | |
| Hepolite 19255 | | | | | | | | | | |
| TRIUMPH T140 TR7 | | 4R | 1.6819" | 0.527" | 2.700" | 1.142" | 0.7500" | 2x1/16" | 76mm | 8.5-1 |
| 750CC 1972 ON | | | 42.72mm | 13.4mm | 68.6mm | 29.0mm | 19.05mm | 1x1/8" | | |
| STD BORE | WW97035 | | | | | | | | | |
| +020 oversize | WW97080 | | | | | | | | | |
| +040 oversize | WW97081 | | | | | | | | | |
| +060 oversize | WW97082 | | | | | | | | | |
| Hepolite 19916 | | | | | | | | | | |
| TRIUMPH T150/160 | | 4N | 1.5310" | 0.433" | 2.6070" | 1.058" | 0.6885" | 2x1/16" | 66.96mm | 9-1 |
| 740cc 1968-76 | | | 38.88mm | 11mm | 66.21mm | 26.8mm | 17.48mm | 1x1/8" | | |
| STD BORE | WW97032p | | | | | | | | | |
| +020 oversize | WW97107p | | | | | | | | | |
| +040 oversize | WW97108p | | | | | | | | | |
| +060 oversize | WW97109p | | | | | | | | | |

PISTON CROWN TYPES



PISTON RINGS

| Make & Model | Description | Part Number |
|---------------------------------|--------------------------|-------------|
| BSA C25/B25 250cc | | |
| Original bore size 67mm | | |
| STD | Complete ring set R23010 | WW97304R |
| +020 | Complete ring set R23010 | WW97305R |
| +040 | Complete ring set R23010 | WW97306R |
| +060 | Complete ring set R23010 | WW97307R |
| BSA A10 650cc | | |
| Original bore size 70mm | | |
| STD | Complete ring set R3650 | WW97288R |
| +020 | Complete ring set R3650 | WW97289R |
| +040 | Complete ring set R3650 | WW97290R |
| +060 | Complete ring set R3650 | WW97291R |
| BSA A65 650cc | | |
| Original bore size 75mm | | |
| STD | Complete ring set R17350 | WW97278R |
| +020 | Complete ring set R17350 | WW97279R |
| +040 | Complete ring set R17350 | WW97280R |
| +060 | Complete ring set R17350 | WW97281R |
| BSA Rocket 3 740cc | | |
| Original bore size 66.96mm | | |
| STD | Complete ring set R23020 | WW97032R |
| +020 | Complete ring set R23020 | WW97107R |
| +040 | Complete ring set R23020 | WW97108R |
| +060 | Complete ring set R23020 | WW97109R |
| Norton Commando 750cc | | |
| Original bore size 73mm | | |
| STD | Complete ring set R26260 | WW97033R |
| +020 | Complete ring set R26260 | WW97076R |
| +040 | Complete ring set R26260 | WW97078R |
| +060 | Complete ring set R26260 | WW97079R |
| Norton Commando 850cc | | |
| Original bore size 77mm | | |
| STD | Complete ring set R26730 | WW97311R |
| +020 | Complete ring set R26730 | WW97312R |
| +040 | Complete ring set R26730 | WW97313R |
| +060 | Complete ring set R26730 | WW97314R |
| Triumph T100 500cc 57-74 | | |
| Original bore size 69mm | | |
| STD | Complete ring set R13570 | WW60100R |
| +020 | Complete ring set R13570 | WW60101R |
| +040 | Complete ring set R13570 | WW60102R |
| +060 | Complete ring set R13570 | WW60103R |

PISTON RINGS

| Make & Model | Description | Part Number |
|--------------------------------|--------------------------|-------------|
| Triumph T120/TR6 650cc | | |
| Original bore size 71mm | | |
| STD | Complete ring set R11050 | WW97037R |
| +020 | Complete ring set R11050 | WW97068R |
| +040 | Complete ring set R11050 | WW97070R |
| +060 | Complete ring set R11050 | WW97071R |
| Triumph T140/TR7 750cc | | |
| Original bore size 76mm | | |
| STD | Complete ring set R26490 | WW97035R |
| +020 | Complete ring set R26490 | WW97080R |
| +040 | Complete ring set R26490 | WW97081R |
| +060 | Complete ring set R26490 | WW97082R |
| Triumph T150/T160 740cc | | |
| Original bore size 66.96mm | | |
| STD | Complete ring set R23020 | WW97032R |
| +020 | Complete ring set R23020 | WW97107R |
| +040 | Complete ring set R23020 | WW97108R |
| +060 | Complete ring set R23020 | WW97109R |

PISTON CIRCLIPS

Hepolite piston circlips are a direct replacement clip for our current Hepolite piston range. Other piston manufacturers may use alternative clip types

| Make & Model | Part Number |
|--|-------------|
| BSA | |
| A65 (sold in pairs) | WW97360 |
| TRIUMPH | |
| T150/T160 (sold in pairs) | WW97361 |
| T140 (sold in pairs) | WW97362 |
| T120 (sold in pairs) | WW97363 |
| T100 (sold in pairs) | WW97364 |
| NORTON COMMANDO (sold in pairs) | WW97365 |



CYLINDER LINERS (spun cast iron)

| Make & Model | Description | Part Number |
|------------------------------------|-------------|-------------|
| BSA A7 1951-60 | | |
| Original bore size 66mm | | WW97330 |
| BSA A10 1950-63 | | |
| Original bore size 70mm | | WW97331 |
| Norton Dominator 500cc | | |
| Original bore size 66mm | | WW60132 |
| Norton Dominator 600/650cc | | |
| Original bore size 68mm | | WW60133 |
| Norton Commando 750cc | | |
| Original bore size 73mm | | WW60125 |
| Norton Commando 850cc | | |
| Original bore size 77mm | | WW60124 |
| Triumph T100 pre unit alloy | | |
| Original bore size 63mm | | WW97333 |

VALVES & GUIDES

All Hepolite valves are produced by our traditional supply chain and marked with the Hepolite branding. Each part number is produced using the latest specification materials, with the correct surface heat treatment and depth of hardness for each individual application. All Hepolite valve materials are compatible with modern unleaded fuels

| Make & Model | Year | Inlet | Part Number | OEM Number | Exhaust | Part Number | OEM Number |
|--------------------------------|---------|--------|-------------|------------|---------|-------------|------------|
| AJS & Matchless | | | | | | | |
| 350CC | | | | | | | |
| 16M/G3L Valves | 1948-55 | V21 | N/A | 01-3985 | V22 | WW95009 | 01-3986 |
| 16M/G3L Valve Guides | | G425 | WW95135 | 01-7019 | G425 | WW95135 | 01-7019 |
| 500CC | | | | | | | |
| 18/G80 Valves | 1949-53 | V56 | WW95024 | 01-3988 | V56 | WW95024 | 01-3988 |
| 18/G80 Valve Guides | | G425 | WW95135 | 01-7019 | G425 | WW95135 | 01-7019 |
| 18/G80 Valves | 1954-59 | V56 | WW95135 | 01-3988 | V56 | WW95135 | 01-3988 |
| 18/G80 Valve Guides | | G425 | WW95135 | 01-7019 | G463 | N/A | 02-1185 |
| 18C/G80CS Valves | 1960-66 | V208 | WW95117 | 02-6028 | V209 | WW95118 | 02-6029 |
| 18C/G80CS Valve Guides | | G515 | N/A | 02-6030 | G506 | N/A | 02-6519 |
| 20/G9 Valves | 1949-58 | V38 | WW95018 | 01-4163 | V39 | WW95019 | 01-4165 |
| 20/G9 Valve Guides | | G452 | N/A | | G453 | WW95142 | 01-4171 |
| 600CC | | | | | | | |
| 30/G11 Valves | 1957-59 | V171 | WW95069 | 02-3403 | V39 | WW95019 | 01-4165 |
| 30/G11 Valve Guides | | G452 | N/A | | G453 | WW95142 | 01-4171 |
| 650CC | | | | | | | |
| 31/G12 Valves | 1960-66 | V205 | WW95067 | 02-6041 | V206 | WW95068 | 02-6043 |
| 31/G12 Valve Guides | | G513 | N/A | 02-6044 | G512 | N/A | 02-6045 |
| 750CC | | | | | | | |
| 33CSR/G15 Valves | 1964-68 | V240 | N/A | 02-4330 | V27 | WW95015 | T2204 |
| 33CSR/G15 Valve Guides | | G454 | WW95143 | T2011 | G454 | WW95143 | T2011 |
| BSA | | | | | | | |
| 250CC | | | | | | | |
| C15SS Valves | 1960-66 | V210 | WW95050 | 40-0166 | V170 | WW95071 | 40-0337 |
| C15SS Valve Guides | | G461 | WW95149 | 40-0133 | G461 | WW95149 | 40-0133 |
| C25/B25 Valves | 1967-71 | V255 | WW95103 | 68-0661 | V256 | WW95104 | 68-0662 |
| C25/B25 Valve Guides | | G539PB | WW95195 | 40-0932 | G539PB | WW95195 | 40-0932 |
| 350CC | | | | | | | |
| B31 Valves | 1946-59 | V42 | WW95034 | 65-1111 | V43 | WW95035 | 65-1110 |
| B31 Valve Guides | | G457 | N/A | 65-1513 | G458 | N/A | 65-1516 |
| B32 Valves | 1949-53 | V42 | WW95034 | 65-1111 | V43 | WW95035 | 65-1110 |
| B32 Valve Guides | | G457 | N/A | 65-1513 | G458 | N/A | 65-1516 |
| B40 Valves | 1960-65 | V211 | WW95072 | 41-0022 | V212 | WW95073 | 41-0023 |
| B40 Valve Guides | | G510 | WW95176 | 41-0017 | G510 | WW95176 | 41-0017 |
| B40SS90 Valves | 1964-65 | V223 | N/A | 41-0024 | V212 | WW95073 | 41-0023 |
| B40SS90 Valve Guides | | G510 | WW95176 | 41-0017 | G510 | WW95176 | 41-0017 |
| 440CC | | | | | | | |
| B44 Round head Valves | 1966-69 | V223 | N/A | 41-0024 | V212 | WW95073 | 41-0023 |
| B44 Valve Guides | | G510PB | WW95177 | 41-0632 | G510PB | WW95177 | 41-0632 |
| B44 Square head Valves | 1967-70 | V268 | WW95111 | 41-0788 | V269 | WW95112 | 41-0789 |
| B44 Valve Guides | | G510PB | WW95177 | 41-0632 | G510PB | WW95177 | 41-0632 |
| 500CC | | | | | | | |
| B33/M33 Valves | 1946-58 | V97 | WW95032 | 65-1239 | V98 | WW95033 | 65-1240 |
| B33/M33 Valve Guides | | G459 | N/A | 65-1515 | G460 | N/A | 65-1516 |
| Gold Star DBD34 Valves | 1956-63 | V243 | WW95092 | 65-0647 | V244 | WW95093 | 65-2512 |
| Gold Star DBD34 Valve Guides | | G537PB | N/A | 65-0645 | G538PB | N/A | 65-0646 |
| B50 Valves | 1971-74 | V272 | WW95115 | 71-1735 | V273 | WW95116 | 71-1736 |
| B50 Valve Guides | | G510PB | WW95177 | 71-1626 | G539PB | WW95195 | 71-1627 |
| A7 Cast Iron head Valves | 1951-62 | V15 | WW95004 | 67-0394 | V16 | WW95005 | 67-0395 |
| A7 Cast Iron head Valve Guides | | G478 | WW95157 | 67-0031 | G478 | WW95157 | 67-0031 |
| A7SS Alloy head Valves | 1956-62 | V15 | WW95004 | 67-0740 | V16 | WW95005 | 67-0532 |
| A7SS Alloy head Valve Guides | | G478PB | WW95158 | 67-1110 | G478PB | WW95158 | 67-1110 |
| A50 Valves | 1966-70 | V255 | WW95103 | 68-0661 | V256 | WW95104 | 68-0662 |
| A50 Valve Guides Bronze | | G516PB | WW95183 | 68-0809 | G516PB | WW95183 | 68-0809 |
| A50 Valve Guides Cast Iron | | G516 | WW95182 | 68-0159 | G516PB | WW95182 | 68-0159 |

VALVES & GUIDES

| Make & Model | Year | Inlet | Part Number | OEM Number | Exhaust | Part Number | OEM Number |
|--|----------|--------|-------------|------------|---------|-------------|------------|
| BSA (cont.) | | | | | | | |
| 650CC | | | | | | | |
| A10 Cast Iron head Valves | 1949-62 | V17 | WW95258 | 67-0323 | V18 | WW95006 | 67-0324 |
| A10 Cast Iron head Valve Guides | | G478 | WW95157 | 67-0031 | G478 | WW95157 | 67-0031 |
| A10 Rocket alloy head Valves | 1956-59 | V127 | N/A | 67-0968 | V128 | WW95041 | 67-0967 |
| A10 Rocket alloy head Valve Guides | | G478PB | WW95158 | 67-1110 | G478PB | WW95158 | 67-1110 |
| A10 SR & RGS Valves | 1960-63 | V215 | WW95074 | 67-1551 | V128 | WW95041 | 67-0967 |
| A10 SR & RGS Valve Guides | | G478PB | WW95158 | 67-1110 | G478PB | WW95158 | 67-1110 |
| A65 Star Valves | 1962-65 | V226 | WW95081 | 68-0156 | V254 | WW95102 | 68-0663 |
| A65 Star Valve Guides Bronze | | G516PB | WW95183 | 68-0809 | G516PB | WW95183 | 68-0809 |
| A65 Star Valve Guides Cast Iron | | G516 | WW95182 | 68-0159 | G516PB | WW95182 | 68-0159 |
| A65 Valves | 1966-70 | V253 | WW95101 | 68-0665 | V254 | WW95102 | 68-0663 |
| A65 Valve Guides Bronze | | G516PB | WW95183 | 68-0809 | G516PB | WW95183 | 68-0809 |
| A65 Valve Guides Cast Iron | | G516 | WW95182 | 68-0159 | G516PB | WW95182 | 68-0159 |
| A65 Valves | 1971-72 | V253 | WW95101 | 68-0665 | V254 | WW95102 | 68-0663 |
| A65 Valve Guides | | G542PB | N/A | 71-2300 | G542PB | N/A | 71-2300 |
| 750CC | | | | | | | |
| A75 Rocket 3 Valves | 1968-72 | V270 | WW95113 | 70-6422 | V271 | WW95114 | 70-6423 |
| A75 Rocket 3 Valve Guides | | G540PB | WW95196 | 70-6420 | G540PB | WW95196 | 70-6420 |
| NORTON | | | | | | | |
| 500/600CC SINGLE CYLINDER | | | | | | | |
| 18/ES2/500T/19 OHV Valves | 1936-63 | V37 | WW95017 | A3-142 | V37 | WW95017 | A3-142 |
| 18/ES2/500T/19 OHV Valve Guides | | G269 | WW95127 | A3-140 | G269 | WW95127 | A3-140 |
| 500/600/650CC TWIN CYLINDER | | | | | | | |
| Dominator 77/88/99 Valves | 1949-63 | V26 | WW95014 | T2010 | V27 | WW95015 | T2204 |
| Dominator 77/88/99 Valve Guides | | G454 | WW95143 | T2011 | G454 | WW95143 | T2011 |
| 88/99 Manxman/650SS Valves | 1960-66 | V195 | WW95063 | I7221 | V27 | WW95015 | T2204 |
| 88/99 Manxman/650SS Valve Guides | | G454 | WW95143 | T2011 | G454 | WW95143 | T2011 |
| 750CC | | | | | | | |
| Atlas/P11 Valves | 1962-68 | V240 | N/A | 02-4330 | V27 | WW95015 | T2204 |
| Atlas/P11 Valve Guides | | G454 | WW95143 | T2011 | G454 | WW95143 | T2011 |
| 750 Commando Valves | 1968-72 | V263 | WW95107 | 06-3283 | V264 | WW95108 | 06-3282 |
| 750 Commando Valve Guides | | G454 | WW95143 | T2011 | G454 | WW95143 | T2011 |
| 750 Commando Valves | 1972-74 | V263 | WW95107 | 06-3283 | V264 | WW95108 | 06-3282 |
| 750 Commando Valve Guides | | G547PB | WW95261 | 06-5027 | G548PB | WW95262 | 06-4125 |
| 850CC | | | | | | | |
| 850 Commando Valves | 1972-74 | V263 | WW95107 | 06-3283 | V264 | WW95108 | 06-3282 |
| 850 Commando Valve Guides | | G547PB | WW95261 | 06-5027 | G548PB | WW95262 | 06-4125 |
| 850 Commando Valves | 1975 MK3 | V263 | WW95107 | 06-4034 | V264 | WW95108 | 06-5115 |
| 850 Commando Valve Guides | | G547 | N/A | 06-5027 | G548 | N/A | 06-5024 |
| TRIUMPH | | | | | | | |
| 200CC | | | | | | | |
| T20 CUB Valves | 1959-68 | V191 | WW95059 | 70-3963 | V49 | WW95022 | 70-3147 |
| T20 CUB Valve Guides | | G461 | WW95149 | 70-3208 | G461 | WW95149 | 70-3208 |
| 250CC | | | | | | | |
| TR25W Valves | 1968-70 | V255 | WW95103 | 70-8112 | V256 | WW95104 | 70-7777 |
| TR25W Valve Guides | | G539PB | WW95195 | 70-8226 | G539PB | WW95195 | 70-8226 |
| 350CC | | | | | | | |
| 3TA Valves | 1957-66 | V135 | WW95042 | 70-3738 | V136 | WW95043 | 70-3738 |
| 3TA Valve Guides | | G461 | WW95149 | 70-3208 | G461 | WW95149 | 70-3208 |
| T90 Valves | 1963-69 | V232 | WW95085 | 70-4640 | V136 | WW95043 | 70-3739 |
| T90 Valve Guides Bronze | | G461 | WW95149 | 70-3208 | G461 | WW95149 | 70-3208 |
| T90 Valve Guides Cast Iron | | G461PB | WW95150 | 70-6301 | G461PB | WW95150 | 70-6301 |
| 500CC | | | | | | | |
| 5T pre unit iron head Valves | 1946-59 | V14 | WW95002 | 70-1956 | V14 | WW95002 | 70-1956 |
| 5T pre unit iron head Valve Guides | | G420 | WW95131 | 70-2899 | G424 | WW95133 | 70-2900 |
| T100/TR5 pre unit alloy Valves | 1951-59 | V25 | WW95013 | 70-2969 | V14 | WW95002 | 70-1956 |
| T100/TR5 pre unit alloy Valve Guides Bronze | | G420PB | WW95132 | 70-3827 | G424PB | WW95134 | 70-3828 |
| T100/TR5 pre unit alloy Valve Guides Cast Iron | | G420 | WW95131 | 70-2899 | G424 | WW95133 | 70-2900 |
| 5TA/T100 Unit Valves | 1959-66 | V187 | WW95057 | 70-4012 | V188 | WW95058 | 70-4013 |
| 5TA/T100 Unit Valve Guides | | G461 | WW95149 | 70-3208 | G461 | WW95149 | 70-3208 |
| T100/T100C/T100S/T100T Valves | 1967-74 | V265 | WW95109 | 70-6853 | V266 | WW95110 | 70-6854 |
| T100/T100C/T100S/T100T Valve Guides Bronze | | G461PB | WW95150 | 70-6301 | G461PB | WW95150 | 70-6301 |
| T100/T100C/T100S/T100T Valve Guides Cast Iron | | G461 | WW95149 | 70-3208 | G461 | WW95149 | 70-3208 |

VALVES & GUIDES

| Make & Model | Year | Inlet | Part Number | OEM Number | Exhaust | Part Number | OEM Number |
|--|---------|--------|-------------|------------|---------|-------------|------------|
| TRIUMPH (cont.) | | | | | | | |
| 650CC | | | | | | | |
| Thunderbird 6T pre unit Valves | 1949-62 | V232 | WW95010 | 70-2903 | V24 | WW95011 | 70-2904 |
| Thunderbird 6T pre unit Valve Guides | | G420 | WW95131 | 70-2899 | G424 | WW95133 | 70-2900 |
| TR6/T110 pre unit alloy Valves | 1954-57 | V137 | WW95044 | 70-3310 | V24 | WW95011 | 70-2904 |
| TR6/T110 pre unit alloy Valve Guides Bronze | | G420PB | WW95132 | 70-3827 | G424PB | WW95134 | 70-3828 |
| TR6/T110 pre unit alloy Valve Guides Cast Iron | | G420 | WW95131 | 70-2899 | G424 | WW95133 | 70-2900 |
| T120 pre unit Valves | 1959-63 | V137 | WW95044 | 70-3310 | V138 | WW95046 | 70-3927 |
| T120 pre unit Valve Guides Bronze | | G420PB | WW95132 | 70-3827 | G424PB | WW95134 | 70-3828 |
| T120 pre unit Valve Guides Cast Iron | | G420 | WW95131 | 70-2899 | G424 | WW95133 | 70-2900 |
| T110/TR6 pre unit/unit Valves | 1958-66 | V137 | WW95044 | 70-3310 | V138 | WW95046 | 70-3927 |
| T110/TR6 pre unit/unit Valve Guides Bronze | | G420PB | WW95132 | 70-3827 | G424PB | WW95134 | 70-3828 |
| T110/TR6 pre unit/unit Valve Guides Cast Iron | | G420 | WW95131 | 70-2899 | G424 | WW95133 | 70-2900 |
| T120 Valves | 1963-72 | V245 | WW95094 | 70-4603 | V24 | WW95011 | 70-2904 |
| T120 Valve Guides Bronze | | G420PB | WW95132 | 70-3827 | G424PB | WW95134 | 70-3828 |
| T120 Valve Guides Cast Iron | | G420 | WW95131 | 70-2899 | G424 | WW95133 | 70-2900 |
| TR6 Valves | 1966-72 | V245 | WW95094 | 70-4603 | V24 | WW95011 | 70-2904 |
| TR6 Valve Guides Bronze | | G420PB | WW95132 | 70-3827 | G424PB | WW95134 | 70-3828 |
| TR6 Valve Guides Cast Iron | | G420 | WW95131 | 70-2899 | G424 | WW95133 | 70-2900 |
| 750CC | | | | | | | |
| T140/TR7 Valves | 1973-79 | V245 | WW95094 | 70-4603 | V24 | WW95011 | 70-2904 |
| T140/TR7 Valve Guides Bronze | | G545PB | WW95201 | 71-13294 | G645PB | WW95202 | 71-13295 |
| T140/TR7 Valves | 1979-82 | V245 | WW95094 | 70-4603 | V24 | WW95011 | 70-2904 |
| T140/TR7 Valve Guides Bronze | | G604PB | WW95361 | 71-7201 | G605PB | WW95362 | 71-7202 |
| T150 Valves | 1968-73 | V270 | WW95113 | 70-6422 | V271 | WW95114 | 70-6423 |
| T150 Valve Guides Bronze | | G540PB | WW95196 | 70-6420 | G540PB | WW95196 | 70-6420 |
| T150/T160 Valves | 1973-74 | V282 | WW95125 | 71-3361 | V283 | WW95126 | 71-3362 |
| VELOCETTE | | | | | | | |
| 500CC | | | | | | | |
| MSS/Venom Valves | 1954-66 | V111 | WW95038 | M2-7 | V112 | WW95039 | M2-17 |
| MSS/Venom Valve Guides | | G475PB | N/A | M3-6 | G477PB | N/A | M3-5 |



OVERSIZE TRIUMPH VALVE GUIDES

| Description | Part Number |
|--------------------------------------|-------------|
| G461 Cast Iron PLUS 005" OVERSIZE | WW95367 |
| PLUS 010" OVERSIZE | WW95668 |
| G420 Cast Iron PLUS 004" OVERSIZE | WW95363 |
| PLUS 006" OVERSIZE | WW95364 |
| G424 Cast Iron PLUS 004" OVERSIZE | WW95365 |
| PLUS 006" OVERSIZE | WW95366 |
| G420 Bronze PLUS 002" OVERSIZE | WW95211 |
| PLUS 004" OVERSIZE | WW95212 |
| PLUS 006" OVERSIZE | WW95213 |
| G424PB Bronze PLUS 002" OVERSIZE | WW95214 |
| PLUS 004" OVERSIZE | WW95215 |
| PLUS 006" OVERSIZE | WW95216 |



VALVES & GUIDE SETS

Complete engine sets of replacement valves and guides for popular twin cylinder models
Attractively boxed in Hepolite packaging

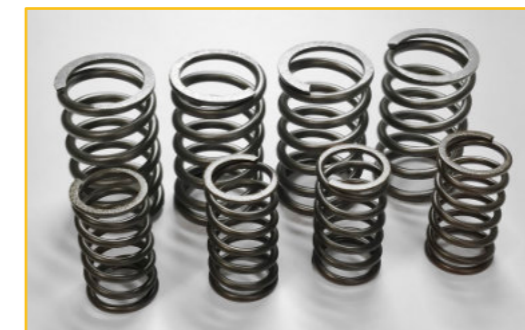
| Make & Model | Year | Part Number |
|----------------------------------|---------|-------------|
| BSA | | |
| A10 Iron head models | 1949-62 | WW95400 |
| A65 with Cast Iron Guides | 1966-70 | WW95401 |
| A65 with Bronze Guides | 1966-70 | WW95402 |
| NORTON | | |
| Commando 750 Cast Iron Guides | 1968-72 | WW95410 |
| TRIUMPH | | |
| 5T pre unit Cast Iron Guides | 1946-59 | WW95420 |
| T100 unit Bronze Guides | 1967-74 | WW95421 |
| T110/TR6 Cast Iron Guides | 1954-57 | WW95422 |
| T120 Cast Iron Guides | 1963-72 | WW95423 |
| T120 Bronze Guides | 1963-72 | WW95424 |
| T140/TR7 Bronze Guides | 1973-78 | WW95425 |
| T140/TR7 Bronze Guides | 1979-82 | WW95426 |



VALVE SPRING SETS

UK manufactured using the OEM correct gauge silicone chrome wire
All of our spring sets are shot peened, oil tempered & induction hardened to ensure maximum spring life

| Make and Model | Part Number |
|--|-------------|
| BSA | |
| Ariel FH Huntmaster 1954 on | WW95220 |
| A7 1950 on | |
| A10 iron head 1950 on (not SR or RGS models) | |
| Gold Star B32/B34 1955 on | |
| C15S/SS80 1960-66 | WW95223 |
| B40 SS90 1962-66 | |
| B44 1965-69 | |
| B50 1971-72 | |
| A50/A65 1962-66 | WW95218 |
| A50/A65 1967 on | WW95250 |
| NORTON | |
| Atlas/Commando 750/850 1962 on | WW95240 |
| TRIUMPH | |
| pre unit 500/650 twins | WW95227 |
| T90/T100 1966 on | WW95256 |
| 650/750 twins 1963 on T120/TR6/T140/TR7 | WW95255 |



CAMSHAFTS

UK Manufactured camshafts using EN40B Billet or chilled cast iron blanks
 EN40B Billet camshafts are turned/ground from steel bar to profile and are nitride hardened after grinding
 This material is used for lower volume production runs

Chilled iron casting, the best material selection as it has superior wear characteristics
 Used for larger batch runs for Norton/Triumph camshafts where blank castings can be used for multiple profiles
 Producing batches of blank castings also helps reduce cost as less machine time is required

| Make and Model | Description | Part Number |
|---------------------------|---|-------------|
| BSA | | |
| A7 MK1 1947-50 | 67-0695 Standard profile billet camshaft | WW27255 |
| BSAA10 SR | 67-0356 Profile billet camshaft | WW27250 |
| BSAA10 Spitfire/RGS | 67-0357 Profile billet camshaft | WW27555 |
| BSA A50/A65 | 68-0103 Standard profile billet camshaft | WW27256 |
| BSA A50/A65 | 68-0473 Spitfire profile billet camshaft | WW27257 |
| NORTON | | |
| Dominator/Atlas | 06-7817 Standard profile chilled iron camshaft | WW28651 |
| Dominator/Atlas | 06-7817 2S profile chilled iron camshaft | WW28656 |
| Dominator/Atlas | 06-7817 4S profile chilled iron camshaft | WW28650 |
| Dominator/Atlas | 06-7368 HEP3 race profile chilled iron camshaft | WW28657 |
| Commando | 06-1084 Standard profile chilled cast iron camshaft (with breather) | WW28652 |
| Commando | 06-3536 2S profile chilled cast iron camshaft (with breather) | WW28653 |
| Commando | 06-4858 4S profile chilled cast iron camshaft (with breather) | WW28654 |
| Commando | 06-7367 HEP3 race profile chilled iron camshaft | WW28655 |
| TRIUMPH | | |
| 6T pre unit inlet/exhaust | 70-3325 Profile chilled iron camshaft | WW28797 |
| T120 pre unit inlet | 70-3134 Profile chilled iron camshaft | WW28790 |
| T120 unit exhaust | 70-9989 Profile chilled iron camshaft | WW28789 |
| T140 exhaust | 71-3010 profile chilled iron camshaft | WW27754 |
| T140 inlet | 71-3011 Profile chilled iron camshaft | WW27755 |



CAMFOLLOWERS (UK manufactured)

| Make & Model | Part Number |
|---------------------------------------|-------------|
| TRIUMPH | |
| T120/T140 Exhaust camfollower 70-8801 | WW26230 |
| T120/T140 Inlet camfollower 70-3059R | WW26231 |



TAPPET BLOCKS (UK manufactured)

| Make & Model | Part Number |
|--|-------------|
| TRIUMPH | |
| 350 unit twins 3TA/T21/T90 1964-1969 inlet & exhaust 70-4676 | WW27508 |
| 500 unit twins 5TA/T100 1964-1969 inlet & exhaust 70-4676 | WW27508 |
| 500 unit twins T100/TR5 1970-1974 inlet & exhaust 70-9352 | WW27510 |
| T120/TR6 1966-68 inlet 70-4676 | WW27508 |
| T120 / TR6 1966-68 exhaust 70-5861 | WW27509 |
| T120/TR6 1969-1972 inlet 70-9352 | WW27510 |
| T120/TR6 1969-1972 exhaust 70-9353 | WW27511 |
| T140/TR7 1973-1979 inlet 70-9352 | WW27510 |
| T140/TR7 1973-79 exhaust 70-9353 | WW27511 |



BSA OIL PUMPS Made in England

UK manufactured from high grade cast iron resulting in improved wear properties and less risk of body distortion than the standard Mazak or aftermarket alloy anodised pumps. Internal gear to body tolerances are much closer than OEM, reducing the risk of leak past wet sumping when machines are stood for long periods.
 All pumps are performance tested by the manufacturer on assembly

| Make & Model | Part Number |
|---|-------------|
| BSA | |
| A50/A65 1963-71 (with tacho drive extension) replaces OEM 68-0941/71-2449 | WW50221 |
| A7/A10 1950-63 (with tacho drive extension) replaces OEM 67-1402/42-0115 | WW50222 |
| Pre unit singles C10/C11/C12/B31/B33/B32/B34/M20/M21 replaces OEM 65-2619/65-2589 | WW50223 |
| BSA Rocket 3 1969-72 replaces OEM 70-9001/71-1351 | WW50224 |



TRIUMPH OIL PUMPS - TWIN CYLINDER MODELS Made in England

Completely CNC profiled from a solid brass material, unlike most replacement pumps which use a generic casting to produce the main body. New work holding tools have been specifically designed to ensure all critical dimensions can be machined from a single setting. This ensures mounting faces, pump piston bores and ball seatings are all perfectly aligned. The machining centre is fully equipped with Renishaw probes for in-cycle inspection checks during the manufacturing process.
 Pump pistons are precision ground to ensure a close body to piston tolerance. Each pump is CNM checked and individual plungers are closely matched to pump bores on assembly. Each pump is supplied with an accurately machined drive block to ensure correct piston stroke

| Make & Model | Part Number |
|---|-------------|
| TRIUMPH | |
| Unit construction twins 350/500/650/750 large capacity replaces OEM 70-9421/70-3878/70-6928 | WW26202 |
| Pre unit twins 3T/T100/TR5/6T/TR6/T110/T120 pre 1962 replaces OEM 70-3072 | WW26203 |
| Trident T150/T160 1969-76 replaces OEM 70-9001/71-1351 | WW50224 |



BIG END SHELL SETS

| Make & Model | Part Number |
|---|-------------|
| BSA | |
| A10 SR/RR large journal 1956-63/A50/A65 1962-71 | |
| Standard size shell set 67-1430 | WW91231 |
| -010 undersize shell set 67-1431 | WW91232 |
| -020 undersize shell set 67-1432 | WW91233 |
| -030 undersize shell set 67-1433 | WW91234 |
| -040 undersize shell set 67-1434 | WW91235 |
| TRIUMPH | |
| T120/TR6 1963-75/T140/TR7 1973 on (also fits pre unit 500/650 twins with shell type rods 1956-62) | |
| Standard size shell set 70-3586 | WW91210 |
| -010 undersize shell set 70-3586/010 | WW91211 |
| -020 undersize shell set 70-3586/020 | WW91212 |
| -030 undersize shell set 70-3586/030 | WW91213 |
| -040 undersize shell set 70-3586/040 | WW91214 |



BIG END BEARINGS

| Make & Model | Part Number |
|--|-------------|
| BSA B31/33/M33/M20/M21 models (B14) big end bearing | |
| AJS/Matchless heavyweight singles 350/500cc two piece crank pin. Replaces Alpha AMC6 | WW91017 |
| Norton heavyweight singles 350/500/600cc OHV & SV models. Replaces Alpha N3 | WW91001 |
| | WW91047 |



PLAIN CRANK SHAFT BEARINGS

| Make & Model | Part Number |
|---|-------------|
| BSA | |
| BSA A7/A10 UK manufactured 1 piece solid bronze bearing | |
| Standard size bearing 67-0790 | WW26166 |
| -010 undersize bearing 67-0790/10 | WW26167 |
| -020 undersize bearing 67-0790/020 | WW26168 |
| -030 undersize bearing 67-0790/030 | WW26169 |
| -040 undersize bearing 67-0790/040 | WW28952 |

CRANK SHAFT & GEARBOX BEARINGS

UK manufactured Hex crank plugs which can be easily removed without the use of impact drivers

| Make & Model | Part Number |
|---|-------------|
| Triumph crankshaft T/S bearing MJ1 1/8" replaces OEM 70-1591 C3 tolerance | WW26347CS |
| BSA/Triumph crankshaft D/S bearing MRJA 1 1/8" replaces OEM 68-0625/70-2879 C3 tolerance | WW26348CS |
| BSA B/M series pre unit crankshaft T/S bronze cage with 11 rollers MRJA 7/8" C3 tolerance OEM 24-0722 | WW60015 |
| BSA bantam crankshaft/Triumph 4 speed gearbox layshaft replaces OEM 89-3023/60-3552 | WW60018 |
| BSA crankshaft D/S bearing NF305 replaces OEM 24-0724/70-9974 | WW60019 |
| BSA A75/Triumph 5 speed high gear bearing replaces OEM 60-4100 | WW26543 |



CRANK SHAFT HEX CRANK PLUGS

UK manufactured Hex crank plugs which can be easily removed without the use of impact drivers

| Make & Model | Part Number |
|---|-------------|
| BSA | |
| A10/A65 Large journal hex plug plain 67-1211 | WW28997 |
| A10/A65 Large journal hex plug with tube location spigot 67-1211S | WW28997S |
| Triumph | |
| 350/500 unit construction twins 70-9492 | WW26263 |
| T120/TR6/T110 pre 1968 with CEI threads 70-3905 | WW26262 |
| T120/140 1968 onwards with Unified threads 71-2800 | WW26267 |



ENGINE & GEARBOX OIL SEAL SETS

| Make & Model | Part Number |
|---|-------------|
| BSA | |
| Bantam D1 1948-1953 | WW61362 |
| Bantam D1/D3/D5/D7 1954-1966 | WW61350 |
| Bantam D10/D14 3 & 4 speed models 1967-1971 | WW61351 |
| C15/B40 Distributor models 1959- 1964 | WW61363 |
| C15/B40 Sports Star 1964-1966 | WW61352 |
| C25/B25 / B44 / B50 models 1967-1972 | WW61355 |
| A50/A65 1962-1973 | WW61354 |
| A75 Rocket 3 4 & 5 speed models 1968-1973 | WW61353 |
| NORTON | |
| Dominator/Atlas 1949-1968 | WW61356 |
| Commando 750/850 including MK3 1968-1975 | WW61357 |
| TRIUMPH | |
| T20 Tiger Cub 1956-1968 | WW61359 |
| 3TA/5TA/T100 distributor models 1957-1963 | WW61364 |
| 3TA/5TA/T21/T100/TR5 1963-1971 | WW61360 |
| T120/TR6 4 speed models 1963-1971 | WW61361 |
| T120/T140/TR7 5 speed models 1972-1983 | WW61358 |
| T150/T160 4 & 5 speed models 1968-1975 | WW61353 |



'H' BEAM FORGED STEEL CONNECTING RODS

- Precision machined from 4340 steel forging
- Shot peened and stress relieved
- ARP 2000 high tensile rod bolts
- Machined reinforced small end with double oil holes for extra gudgeon pin lubrication
- Replaceable small end bushing
- Optimised big end and small end profiles for weight reduction and strength
- Supplied as a matched set

Triumph 650cc

Pair of 'H' beam steel con rods manufactured from high specification 4340 forged steel Suitable for Triumph 650cc unit twins T120/TR6 1963-72 and pre unit 500/650 1956-62 using large journal shell type crankshaft with 1.623" pin diameter

WW61590

| | |
|----------------------|-----------------|
| Rod eye centres | 6.50" |
| Gudgeon pin diameter | 0.688" |
| Total rod weight | 432g +/- 1 gram |

Triumph T150/T160 & BSA R3

Set of 3 'H' beam steel con rods manufactured from high specification 4340 forged steel Suitable for BSA & Triumph Triples 1969-1976

WW61591

| | |
|----------------------|-------------------|
| Rod eye centres | 5.75" |
| Gudgeon pin diameter | 0.6885" |
| Total rod weight | Not Available Yet |

Triumph Unit 500cc Twins

Pair of 'H' beam steel con rods manufactured from high specification 4340 forged steel Suitable for Triumph 500cc unit twins 1957-1974

WW61592

| | |
|----------------------|-------------------|
| Rod eye centres | 5.312" |
| Gudgeon pin diameter | 0.688" |
| Total rod weight | Not Available Yet |

Triumph T140/TR7

Pair of 'H' beam steel con rods manufactured from high specification 4340 forged steel Suitable for Triumph 750cc unit twins T140/TR7 1973-1983

WW61593

| | |
|----------------------|-------------------|
| Rod eye centres | 6.00" |
| Gudgeon pin diameter | 0.750" |
| Total rod weight | Not Available Yet |

Norton Atlas/Commando 750cc & 850cc

Pair of 'H' beam steel con rods manufactured from high specification 4340 forged steel Suitable for Norton 650SS/Atlas/Commando 750cc & 850cc 1968-1974

WW61594

| | |
|----------------------|-------------------|
| Rod eye centres | 5.875" |
| Gudgeon pin diameter | 0.6869" |
| Total rod weight | Not Available Yet |

BSA A50/A65

Pair of 'H' beam steel con rods manufactured from high specification 4340 forged steel Suitable for BSA A50/A65 1962-1973

WW61595

| | |
|----------------------|-------------------|
| Rod eye centres | 6.00" |
| Gudgeon pin diameter | 0.750" |
| Total rod weight | Not Available Yet |





Hepolite parts are available from
all good retailers worldwide



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wassell@totalbikebits.com
hepolitepistons.com

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