

Vandervell

Material Specifications



All materials have the prefix 'VP' followed by the material number i.e. VP.1 – VP.2 etc. Where a lead indium plated overlay is required, the relevant type of processing e.g. double broaching or precision plating is defined by a suffix letter which indicates the thickness of lead indium overlay.
(Precision plating carries the suffix letters A – E and double broaching, H – M.)

VP 1 & VP 2	Steel backed lead bronze.	VP 15	70/30 Brass.
VP 2C	Steel backed lead bronze with lead indium precision plated overlay.	VP 16	Steel backed high lead base babbitt, either standard or micro quality.
VP 8	Steel backed lead bronze 4% tin 8% lead.	VP 17	Steel backed high tin base babbitt.
VP 10	Steel backed lead bronze 10% tin 10% lead.	VP 19	Steel backed Aluminium – 20% Tin layer.
VP 14	Manganese Bronze.		

Specifications des Matériaux

VP 1 & VP 2	Bronze de plomb acieré.
VP 2C	Bronze au plomb à renfort acier avec recouvrement plaqué de précision indium au plomb.
VP 8	Bronze de plomb acieré 4% étain, 8% plomb.
VP 10	Bronze de plomb acieré 10% étain 10% plomb.
VP 14	Bronze au manganèse.
VP 15	Cuivre 70/30.
VP 16	Métal babbitt acieré à haute teneur en plomb, qualité standard ou micro.
VP 17	Métal babbitt acieré à haute teneur en étain, qualité standard ou micro.
VP 19	L'aluminium renforcé d'acier – 20% couche d'étain.

Werkstoffangaben

VP 1 & VP 2	Bleibronze mit Stahlstützschale.
VP 2C	Bleibronze mit Stahlstützschale und präzisions-elektroplattiertem Blei-Indium-Überzug.
VP 8	Bleibronze mit Stahlstützschale, 4% Zinn, 8% Blei.
VP 10	Bleibronze mit Stahlstützschale, 10% Zinn, 10% Blei.
VP 14	Manganbronze.
VP 15	70/30 Messing.
VP 16	Hochbleihaltiges Weissmetall, entweder Normal- oder Mikroqualität, mit Stahlstützschale.
VP 17	Hochzinnehaltiges Weissmetall, entweder Normal- oder Mikroqualität, mit Stahlstützschale.
VP 19	Aluminium mit Stahler Unterlage – 20% mit Zinn beschichtet.

Especificacions de Materiales

VP 1 & VP 2	Bronce de plomo con cuerpo de acero.
VP 2C	De acero, con revestimiento de bronce plomoso, chapado de precisión de indio de plomo.
VP 8	Bronce de plomo con cuerpo de acero 4% de estaño 10% de plomo.
VP 10	Bronce de plomo con cuerpo de acero 10% de estaño 10% de plomo.
VP 14	Bronce de manganese.
VP 15	Latón 70/30.
VP 16	Metal antifricción de base rico en plomo con cuerpo de acero, tipo standard o micro.
VP 17	Metal antifricción de base rico en estaño con cuerpo de acero, tipo standard o micro.
VP 19	Acero reforzado Aluminio – 20% capa de estaño.

No. of cyl.	Cyl. bore	Part	Prs./Set	Crankshaft dia. standard size Inches/mm	Housing dia. Inches/mm	Bearing length or thrust washer thickness Inches/mm	Nom. wall thickness Inches/mm	Part No.	VP No.	Material	Boxed set ref. and u/sizes
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B.L.M.C.

M.G. "Magnette" Series ZA
Engine: BP 15GA, 1489 c.c., 1953-1956.

4	mm 73 2-874"	C.R.	4	1-8759/47-648 1-8764/47-660	2-021/51-333 2-0215/51-346	.995/25-273 1-005/25-527	.072/1-828	1G 2330	VPG 3016M	VP 17M	VP 245 Std. 010 020 030 040 060	
		C.R.	4	HEAVY DUTY CON ROD SET					12H 33	VP 2596	VP 2C	VP 400 Std. 010 020 030 040 050 060
		F.C. & R.M.	3	2-0005/50-813 2-001/50-825	2-146/54-508 2-1465/54-521	1-370/34-798 1-380/35-052	.072/1-828	11G 231	VP 2484	VP 17	VP 246 Std. 002 010 020 030 040 050 060	
		F.C. & R.M.	3	HEAVY DUTY MAINS SET					12H 62	VP 4341	VP 2C	VP 830 Std. 010 020 030 040
		T.W.	2	2-215/56-261 2-225/56-515 I.D.	2-740/69-596 2-750/69-850 O.D.	.091/2-311 .093/2-362		1G 2331 1G 2332	T 32 T 32E	VP 17 VP 17	VPW 190 Std. 0025 005 0075 010 Oversize	
		C.	11	1-791/45-491 1-79225/45-523 I.D.	1-915/48-641 1-916/48-666	1-468/37-287 1-478/37-541			B 4204	VP 16	VP 908 Std. 005 010	
			11	1-625/41-275 1-62625/41-306 I.D.	1-749/44-424 1-750/44-450	.812/20-624 Nom.			B 4225	VP 16		
			11	1-731/43-967 1-73225/43-999 I.D.	1-855/47-117 1-856/47-142	1-125/28-575 Nom.		B 4226	VP 16			
		C.	ALTERNATIVE CAMSHAFT SET (B/F)						VP 16	VP 94002		
				† Bush								

M.G. "Magnette" Series ZB and Mks. III-IV. "MGA" Sports and Coupé.
RILEY "4/68" and "One-Point-Five".
Engine: "B" Range, 1489 c.c., 1956-1962.

4	mm 73 2-874"	C.R.	4	1-8759/47-648 1-8764/47-660	2-021/51-333 2-0215/51-346	.995/25-273 1-005/25-527	.071/1-803	12H 33	VP 2596	VP 2C	VP 400 Std. 010 020 030 040 050 060	
		F.C. & R.M.	3	2-0005/50-813 2-001/50-825	2-146/54-508 2-1465/54-521	1-370/34-798 1-380/35-052	.072/1-828	11G 231	VP 2484	VP 17	VP 246 Std. 002 010 020 030 040 050 060	
		F.C. & R.M.	3	HEAVY DUTY MAINS SET					12H 62	VP 4341	VP 2C	VP 830 Std. 010 020 030 040
		T.W.	2	2-215/56-261 2-225/56-515 I.D.	2-740/69-596 2-750/69-850 O.D.	.091/2-311 .093/2-362		1G 2331 1G 2332	T 32 T 32E	VP 17 VP 17	VPW 190 Std. 0025 005 0075 010 Oversize	

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B.L.M.C.

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No. of cyl.	Cyl. bore	Part	Prs./Set	Crankshaft dia. standard size Inches/mm	Housing dia. Inches/mm	Bearing length or thrust washer thickness Inches/mm	Nom. wall thickness Inches/mm	Part No.	VP No.	Material	Boxed set ref. and u/sizes
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B.L.M.C.

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		C.	t1	1-791/45-491 1-79225/45-523 I.D.	1-915/48-641 1-916/48-666	1-468/37-287 1-478/37-541			B 4204	VP 16	} VP 908 Std. 005 010	
			t1	1-625/41-275 1-62625/41-306 I.D.	1-749/44-424 1-750/44-450	.812/20-624 Nom.			B 4225	VP 16		
			t1	1-731/43-967 1-73225/43-999 I.D.	1-855/47-117 1-856/47-142	1-125/28-575 Nom.			B 4226	VP 16		
		C.		ALTERNATIVE CAMSHAFT SET (B/F) † Bush							VP 16	VP 94002

M.G. "M.G.A." Twin Cam Coupé and Sports
Engine: 1588 c.c., 1958-1969.

4	mm 75-406 2-969"	C.R.	4	1-8759/47-648 1-8764/47-660	2-021/51-333 2-0215/51-346	.995/25-273 1-005/25-527	.071/1-803	AEH 434	VP 4009	VP 2C	VP 731 Std. 010 020 030 040	
		F.C. & R.M.	3	2-0005/50-813 2-001/50-825	2-146/54-508 2-1465/54-521	1-245/31-623 1-255/31-877	.071/1-803	AEH 309	VP 4008	VP 2C	VP 732 Std. 010 020 030 040	
		T.W.	2	2-215/56-261 2-225/56-515 I.D.	2-740/69-596 2-750/69-850 O.D.	.093/2-362		1G 2331 1G 2332	T 32 T 32E	VP 17 VP 17	VPW 190 Std. 0025 005 0075 010 Oversize	
		C.	t6	1-250/31-750 1-2505/31-762 I.D.	1-396/35-458 1-3965/35-471	1-495/37-973 1-505/38-227	.072/1-828	AEH 405	VP 4007	VP 17	VP 932 Std.	
				† Bush								

M.G. "M.G.A." 1600 Sports and Coupé
Engine: 1588 c.c. (Push Rod), 1959-1961.

4	mm 75-39 2-967"	C.R.	4	1-8759/47-648 1-8764/47-660	2-021/51-333 2-0215/51-346	.995/25-273 1-005/25-527	.071/1-803	12H 33	VP 2596	VP 2C	VP 400 Std. 010 020 030 040 050 060	
		F.C. & R.M.	3	2-0005/50-813 2-001/50-825	2-146/54-508 2-1465/54-521	1-370/34-798 1-380/35-052		12H 62	VP 4341	VP 2C	VP 830 Std. 010 020 030 040	
		T.W.	2	2-215/56-261 2-225/56-515 I.D.	2-740/69-596 2-750/69-850 O.D.	.091/2-311 .093/2-362		1G 2331 1G 2332	T 32 T 32E	VP 17 VP 17	VPW 190 Std. 0025 005 0075 010 Oversize	
		C.	t1	1-791/45-491 1-79225/45-523 I.D.	1-915/48-641 1-916/48-666	1-468/37-287 1-478/37-541			B 4204	VP 16	} VP 908 Std. 005 010	
			t1	1-625/41-275 1-62625/41-306 I.D.	1-749/44-424 1-750/44-450	.812/20-624 Nom.			B 4225	VP 16		
			t1	1-731/43-967 1-73225/43-999 I.D.	1-855/47-117 1-856/47-142	1-125/28-575 Nom.			B 4226	VP 16		
		C.		ALTERNATIVE CAMSHAFT SET (B/R) † Bush							VP 16	VP 94002



Vandervell Bearings & Bushes



No. of cyl.	Cyl. bore	Part	Pts/ Set	Crankshaft dia standard size Inches/mm	Housing dia. Inches/mm	Bearing length or thrust washer thickness Inches/mm	Nom. wall thickness Inches/mm	Part No.	VP No.	Material	Boxed set ref. and u/sizes
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B.L.M.C.

M.G. "M.G.A." 1600 Mk. II Sports and Coupé, "Magnette" Mk. IV.
RILEY "4/72" and "One-Point-Five" Mks. II-III.
Engines: 1489 c.c., 1960-1965 and 1622 c.c., 1961-1968.

4	mm 76.2 3"	C.R.	4	1-8759/47-648 1-8764/47-660	2-021/51-333 2-0215/51-346	-995/25-273 1-005/25-527	-071/1-803	12H 33	VP 2596	VP 2C	VP 400 Std. 010 020 030 040 050 060
		F.C. & R.M.	3	2-0005/50-813 2-001/50-825	2-146/54-508 2-1465/54-521	1-213/30-810 1-223/31-064	-072/1-828	12H 676	VP 4547	VP 2C	VP 817 Std. 010 020 030 040 050 060
		T.W.	2	2-215/56-261 2-225/56-515 I.D.	2-740/69-596 2-750/69-850 O.D.	-091/2-311 -093/2-362		1G 2331 1G 2332	T 32 T 32E	VP 17 VP 17	} VPW 190 Std. 0025 005 0075 010 Oversize
		C.	†1	1-791/45-491 1-79225/45-523 I.D.	1-915/48-641 1-916/48-666	1-468/37-827 1-478/37-541			B 4204	VP 16	
			†1	1-625/41-275 1-62625/41-306 I.D.	1-749/44-424 1-750/44-450	-812/20-624 Nom.			B 4225	VP 16	
			†1	1-731/43-967 1-73225/43-999 I.D.	1-855/47-117 1-856/47-142	1-125/28-575 Nom.			B 4226	VP 16	
C.	ALTERNATIVE CAMSHAFT SET (B/R)								VP 16	VP 94002	
				† Bush							

AUSTIN-MORRIS "A60", "Oxford" Series VI, and "Omnicoch" Series HV6, HK6, JU, J2 and J4.
5-10-12-16-18-20 cwt. Vans.
"16/60"
WOLSELEY
Engine: "B" Range, 1622 c.c., 1961 on.

4	mm 76.2 3"	C.R.	4	1-8759/47-648 1-8764/47-660	2-021/51-333 2-0215/51-346	-995/25-273 1-005/25-527	-072/1-828	1H 962	VP 2797	VP 2C	VP 643 Std. 002 010 020 030 040 050 060
		F.C. & R.M.	3	2-0005/50-813 2-001/50-825	2-146/54-508 2-1465/54-521	1-213/30-810 1-223/31-064	-072/1-828	12H 676	VP 4547	VP 2C	VP 817 Std. 010 020 030 040 050 060
		T.W.	2	2-215/56-261 2-225/56-515 I.D.	2-740/69-596 2-750/69-850 O.D.	-091/2-311 -093/2-362		1G 2331 1G 2332	T 32 T 32E	VP 17 VP 17	} VPW 190 Std. 0025 005 0075 010 Oversize
		C.	†1	1-791/45-491 1-79225/45-523 I.D.	1-915/48-641 1-916/48-666	1-468/37-287 1-478/37-541			B 4204	VP 16	
			†1	1-625/41-275 1-62625/41-306 I.D.	1-749/44-424 1-750/44-450	-812/20-624 Nom.			B 4225	VP 16	
			†1	1-731/43-967 1-73225/43-999 I.D.	1-855/47-117 1-856/47-142	1-125/28-575 Nom.			B 4226	VP 16	
C.	ALTERNATIVE CAMSHAFT SET (B/R)								VP 16	VP 94002	
				† Bush							



No. of cyl.	Cyl. bore	Part	Prs./Set	Crankshaft dia. standard size Inches/mm	Housing dia. Inches/mm	Bearing length or thrust washer thickness Inches/mm	Nom. wall thickness Inches/mm	Part No.	VP No.	Material	Boxed set ref. and u/sizes
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B.L.M.C.

AUSTIN "Maxi" 1500
Engine: "E" Range, 1485 c.c., 1969-March 1971, up to engine Serial No. 59614

4	mm 76.2 3"	C.R.	4	1-8759/47-648 1-8764/47-660	2-0210/51-333 2-0215/51-348	.775/19-690 .790/20-070	.071/1-803	32H 65	VP 5642	VP 2C	VP 91340 Std. 010 020 030 040
		M.	5	2-2505/57-163 2-2510/57-175	2-3955/60-846 Max.	.806/20-470 .821/20-850	.0708/1-802	32H 62	VP 5641	VP 2C	VP 91341 Std. 010 020 030 040
		T.W.	2	2-465/62-611 2-475/62-865 I.D.	3-147/79-933 3-157/80-187 O.D.	.091/2-311 .093/2-362		201-12382 201-12381	T 4712 T 4711	VP 23 VP 23	VPW 118 Std. 005 Oversize
NOTE: VPW 118 supersedes VPW 9, both sets are interchangeable.											

AUSTIN "Maxi" 1500 and 1750
Engines; "E" Range, 1485 c.c., and 1748 c.c., October 1970 on. From Engine Serial No. 59615.

4	mm 76.2 3"	C.R.	4	1-8759/47-648 1-8764/47-660	2-0210/51-333 2-0215/51-348	.650/16-510 .665/16-889	.0714/1-905	32H 515	VPA 5598	VP 19	VP 91427A Std. 010 020 030 040
		M.	5	2-2505/57-163 2-2510/57-175	2-3955/60-846 Max.	.806/20-470 .821/20-850	.0708/1-802	32H 62	VP 5641	VP 2C	VP 91341 Std. 010 020 030 040
		T.W.	2	2-465/62-611 2-475/62-865 I.D.	3-147/79-933 3-157/80-187 O.D.	.091/2-311 .093/2-362		201-12382 201-12381	T 4712 T 4711	VP 2 VP 2	VPW 118 Std. 005 Oversize

M.G. "M.G.B." and "M.G.B.-G.T."
Engine: 1798 c.c., 1962-April 1970.

4	mm 80.26 3-16"	C.R.	4	1-8759/47-648 1-8764/47-660	2-021/51-333 2-0215/51-348	.995/25-273 1-005/25-527	.071/1-803	12H 33	VP 2596	VP 2C	VP 400 Std. 010 020 030 040 050 060	
		F.C. & R.M.	3	2-1265/54-013 2-127/54-025	2-2715/57-696 Max.	1-120/28-448 1-130/28-702	.071/1-803	12H 801	VP 4579	VP 2C	VP 91049 Std. 010 020 030 040	
		T.W.	2	2-340/59-436 2-350/59-690 I.D.	2-933/74-498 2-943/74-752 O.D.	.091/2-311 .093/2-362		12B 120 12B 121	T 34 T 34E	VP 17 VP 17	VPW 77 Std. 0025 005 0075 010 Oversize	
										Alternative Competition Engine Main Bearings use VP 4769	VP 2C	VP 91139 Std. 010 020 030 040
										Alternative Competition Engine Con Rods for use with M.G.A. Twin Cam, use VP 4009	VP 2C	VP 731 Std. 010 020 030 040

