



JANUARY 2010

Popular Spare Parts For ML7 Lathes

History

The ML7 lathe was launched in August 1946, the basic bench lathe retailing at £34.00. The ML7 was so successful that it saw the immediate demise of its predecessors the ML2 and ML4. The Myford 'M' type, a Myford version of the Drummond 'M' type, cost £42.00 and production of this was discontinued in 1949. Over its 33 years production run, the ML7 stood the test of time remarkably well. Whilst there were numerous minor changes, the number of major design changes were very few and these are listed below.

In July, 1969, commencing with serial No K90494, a cast lug was incorporated into the headstock. The lug is situated just behind the spindle nose and its initial purpose was to act as an anchor point for the optional lever operated collet attachment. In later years the same point would be used as a pivot point for the chuck guard.

In May, 1972, from serial No K107657, the existing carriage was converted from the narrow guide to the wide guide principle. On the earlier machines the saddle located across the front two shears and on later models across the full width of the bed, the 5/8" diameter leadscrew and die cast apron were retained.

From serial No K108718, the cross slides were fitted with 5mm pitch self locking adjusting screws.

April, 1973, saw the introduction of the new bed from serial No K111727. The re-design was necessary to accommodate the power cross feed apron on the Super 7 lathe. At the same time the specification of the ML7 was upgraded to incorporate the 3/4" diameter leadscrew and cast iron apron as used on the pre-power cross feed Super 7's

The last machine, serial No K140848, left the fitting lines on the 31st January 1979.

It should be noted that long bed ML7 lathes were always fitted with 3/4" diameter leadscrews and the saddles, cross slides and top slides were the same as used on the pre-power cross feed Super 7 lathes.

Please Note: When ordering, kindly state the serial number and prefix letter of your lathe. On earlier machines up to serial No K111727 this will be found on the rear shear of the lathe bed, at the tailstock end of the machine. On later machines after serial No K111727, this will be found on the front of the lathe bed, to the left-hand side of the rack.

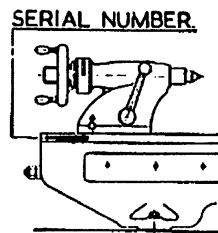


Fig. 2

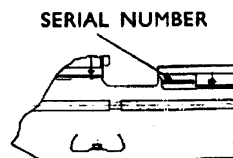


Fig. 2

Popular Spare Parts For ML7 Lathes

Headstock Section:

Part Number	Description	Price Excl. VAT	Price Incl. VAT
65174	Sight feed lubricator	£11.54	£13.56
11261	Fibre washer	£0.14	£0.16
70/1230	Spindle (original specification) - no longer available		
70/1205	Spindle bearing - front - white metal - no longer available		
70/1206	Spindle bearing - rear - white metal - no longer available		
70/1203	Laminated shim - front bearing	£3.58	£4.21
70/1204	Laminated shim - rear bearing	£3.58	£4.21
	Note: We are no longer able to purchase further supplies of the original white metal bearings at sensible prices. This has necessitated the supply of the kit detailed below as a direct replacement and in terms of cost it is approximately half the price of what a new set of bearings would be.		
	ML7 Headstock Spindle and Bearing Kit:		
A8122	Hardened spindle	£195.20	£229.36
A8120	Spindle bearing - front - bronze, complete with shims		
A8121	Spindle bearing - rear - bronze, complete with shims		
	Price for Headstock Spindle with Bearings complete	£297.75	£349.86
70/1226	65T Backgear assembly, includes driving key etc.	£48.78	£57.32
70/1227	Backgear key	£9.96	£11.70
11163	Special allen key, for use with above backgear key	£2.42	£2.84
70/1218	Backgear cluster assembly 21/56T gear	£22.44	£26.37
100405	Socket countersunk screw (2BA x ½")	£0.11	£0.13
70/1219	Plunger	£7.26	£8.53
A4728	Spring	£0.16	£0.19
70/1220	Screwed bush	£1.12	£1.32
80001	Knob	£5.78	£6.79
70/1234/2	Vee cone pulley assembly	£72.54	£85.23
70020	Vee belt - headstock	£9.44	£11.09
33/072	Pack of 10 x 65000 2BA oil nipples	£6.65	£7.81
73044	Thrust bearing	£49.22	£57.83
70/1246	25T Gear	£8.64	£10.15
11266	Grubscrew (2BA x 3/16") - formerly MY2820	£0.39	£0.46
70/1242	20T Tumbler gear	£10.15	£11.93
70/1241	18T Tumbler gear	£10.15	£11.93
70/1232/2	Tumbler sleeve gear	£41.02	£48.20
70/1249	Soft centre - 2MT	£8.96	£10.53
70/1129	6.3/4" dia Standard faceplate	£46.43	£54.56
70/1137	Catchplate with 11291 drive peg	£23.49	£27.60

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Countershaft and Motorising Section:

Part Number	Description	Price Excl. VAT	Price Incl. VAT
70/1619/2	Countershaft	£24.85	£29.20
70003	Woodruff	£0.63	£0.74
70/1626/6	Vee cone pulley assembly	£35.36	£41.55
A1973	Thrust washer	£0.13	£0.15
A1832	Countershaft pulley	£20.79	£24.43
A1227	Hard rubber bush	£6.57	£7.72
A2834/1	'Oilite' bush	£3.05	£3.58
33/072	Pack of 10 x 65000 2BA oil nipples	£6.65	£7.81
70/1624	Knob	£5.05	£5.93
70/1625	Spring clip	£1.70	£2.00
100315	Hexagon head set screw (1/4" BSF x 5/8")	£0.44	£0.52
80003	Knob (1.1/4" dia x 5/16" BSW)	£4.08	£4.79
A1851/1	Motor pulley - 5/8" bore 1.7/8" dia	£12.68	£14.90
A1853/1	Motor pulley - 5/8" bore 2.1/2" dia	£21.82	£25.64
70025	Vee belt - motor drive	£7.38	£8.67

Change Gear Train Section:

70/1136/1	Changewheel stud assembly	£25.86	£30.39
12229	Change gear stud	£11.84	£13.91
11928	Change gear bush	£13.29	£15.62
11287	Washer	£0.30	£0.35
100018	Cheese head screw (2BA x 3/8")	£0.11	£0.13
11286	Collar	£4.89	£5.75
11278	Grubscrew	£0.44	£0.52
70/1132	Spacer	£5.10	£5.99
A4736	Change gear quadrant assembly	£27.27	£32.04
70/1131	Thumb screw	£5.44	£6.39
70/1909/1	Thumb nut	£6.91	£8.12
33/072	Pack of 10 x 65000 2BA oil nipples	£6.65	£7.81

Rack, Leadscrew and Apron Section:

	Note: Diecast apron spares for lathes with 5/8" diameter leadscrew prior to K111727. This does not include long bed machines.		
A9179	Rack with fixing screws - standard bed	£40.03	£47.04
A9222	Rack with fixing screws - long bed	£70.27	£82.57
A4182	Leadscrew - 5/8" dia - imperial - 8TPI - standard bed - changewheel machine	£134.44	£157.97
A4183	Leadscrew - 5/8" dia - imperial - 8TPI - standard bed - quick change gearbox machine	£134.44	£157.97
70/1316	Hand traverse pinion	£19.41	£22.81
70002	Woodruff key	£0.53	£0.62
11258	Fibre washer	£0.18	£0.21

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Rack, Leadscrew and Apron Section continued:

Part Number	Description	Price Excl. VAT	Price Incl. VAT
73074	'Oilite' bush (CT4 x 1.1/4")	£4.84	£5.69
70/1331	Handwheel assembly	£44.03	£51.74
70/1315	Rack pinion assembly	£32.88	£38.63
73001	'Oilite' bush (CT15 x 1/4")	£4.08	£4.79
70/1310/1ACC	Leadscrew nut assembly (includes 70/1326 cam peg, A4729 spring and 100319 2BA x 1.3/4" cap head screw)	£53.63	£63.02
11272	Adjusting screw - gib strip (MY2809)	£1.14	£1.34
11271	Adjusting screw - gib strip (MY2806)	£1.14	£1.34
100027	Hex locknut (2BA)	£0.12	£0.14
A4188/1	Leadscrew guard	£6.34	£7.45
80003	Knob - cam and lever assembly	£4.08	£4.79
	Note: Cast iron apron spares for lathes with 3/4" diameter leadscrew after K111727 and onwards. This also includes ALL long bed lathes.		
A9179	Rack with fixing screws - standard bed	£40.03	£47.04
A9222	Rack with fixing screws - long bed	£70.27	£82.57
A2054/2	Leadscrew - 3/4" dia - imperial - 8TPI - standard bed - changewheel machine	£78.63	£92.39
A3472/1	Leadscrew - 3/4" dia - imperial - 8TPI - long bed - changewheel machine	£82.02	£96.37
A3011/1	Leadscrew - 3/4" dia - imperial - 8TPI - standard bed - quick change machine	£68.23	£80.17
A3839/1	Leadscrew - 3/4" dia - imperial - 8TPI - long bed - quick change gearbox machine	£71.16	£83.61
A2086	Hand traverse pinion	£19.78	£23.24
70002	Woodruff key (No 404)	£0.53	£0.62
11260	Fibre washer (formerly MY4106)	£0.18	£0.21
A2087/1	Handwheel assembly	£52.08	£61.19
A2085	Rack pinion assembly	£44.49	£52.28
A1975/3ACC	Leadscrew nut assembly (includes 70/1326 cam peg, A4729 spring and 100319 2BA x 1.3/4" cap head screw)	£53.63	£63.02
A9337	Adjusting screw - gib strip	£3.78	£4.44
A9338	Adjusting screw - gib strip	£3.78	£4.44
100027	Hexagon locknut (2BA)	£0.12	£0.14

Saddle and Cross Slide Section:

N.B. : To ensure the best possible outcome when replacing worn feedscrews, replacement feedscrews are only available as an assembly fitted with a feednut.

	Note: Saddle and Cross Slide - for lathes up to serial number K111727 with diecast apron and 5/8" diameter leadscrew.		
70/1327	Wiper housing	£7.93	£9.32
100316	Round head screw (4BA x 3/8")	£0.11	£0.13
70/1328	Felt wiper	£5.51	£6.47
33/072	Pack of 10 x 65000 2BA oil nipples	£6.65	£7.81
70/1305	Laminated shim - front	£4.46	£5.24

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Saddle and Cross Slide Section continued:

Part Number	Description	Price Excl. VAT	Price Incl. VAT
70/1304	Laminated shim - rear	£4.46	£5.24
70/1311	Saddle adjusting screw - gib strip	£2.93	£3.44
100027	Hexagon locknut (2BA)	£0.12	£0.14
11296	Hexagon head bolt - saddle clamping	£1.55	£1.82
100008	Washer (5/16")	£0.11	£0.13
70/1312	Clamp eccentric	£4.71	£5.53
	Note: Saddle and cross slide - for lathes after serial No K111727 with cast iron apron and ¾" diameter leadscrew		
11271	Cross slide adjusting screw - gib strip (MY2806) for lathes up to serial No K108718	£1.14	£1.34
100027	Hexagon locknut (2BA)	£0.12	£0.14
A8736	Wiper housing	£7.93	£9.32
100316	Round head screw (4BA x 3/8")	£0.11	£0.13
A8735	Felt wiper	£5.51	£6.47
70/1305	Laminated shim - front	£4.46	£5.24
70/1304	Laminated shim - rear	£4.46	£5.24
A7760	Saddle adjusting screw - gib strip	£2.24	£2.63
A7424/1	Saddle adjusting screw - gib strip	£2.64	£2.63
100305	Hexagon locknut (1/4" BSF)	£0.04	£0.05
11296	Hexagon head bolt - saddle clamping	£1.55	£1.82
100008	Washer (5/16")	£0.11	£0.13
70/1312	Clamp eccentric	£4.71	£5.53
A8623	Cross slide adjusting screw - gib strip for 70/1308/1 cross slide	£2.03	£2.39
100318	Cross slide adjusting screw - gib strip for 70/1308/1 cross slide	£0.43	£0.51
70/1308/1	Cross slide - standard - no longer available - use A1513/1	-	-
A1513/1	Cross slide - long - refer to General Accessory price list - 20/209 and 20/210	£127.82	£150.19
70/1301	Cross slide end plate	£12.08	£14.19
30/133	Feedscrew - imperial - as above but fitted feednut standard cross slide	£32.22	£37.86
30/135	Feedscrew - imperial - as above but fitted feednut - long cross slide	£37.09	£43.58
70/1302	Feednut - imperial - 10TPI	£12.52	£14.71
30/134	Feedscrew - metric - as above but fitted feednut - standard cross slide	£32.22	£37.86
30/136	Feedscrew - metric - as above but fitted feednut - long cross slide	£37.09	£43.58
A1648	Feednut - metric - 2mm pitch	£12.52	£14.71
70/1984A	Hard washer	£0.21	£0.25
11257	Fibre washer	£0.16	£0.19
11107	Steel micrometer dial (replaces 70/1303 mazak dial) OR	£15.84	£18.61
20/252	Re-settable micrometer dial	£34.55	£40.60

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Saddle and Cross Slide Section continued:

Part Number	Description	Price Excl. VAT	Price Incl. VAT
A1382/3	Gib strip	£3.26	£3.83
70/1337	Ball handle assembly	£17.68	£20.77
A8623	Cross slide adjusting screw - gib strip	£2.03	£2.39
100318	Cross slide locking screw	£0.43	£0.51
	Note: For long bed ML7 lathes, refer to Super 7 spares list		

Top Slide Section:

11292	Top slide assembly complete - imperial	£222.84	£261.84
13726	Top slide assembly complete - metric	£222.84	£261.84
70/1403/1	Top slide	£80.97	£95.14
70/1401	End plate	£12.03	£14.14
30/137	Feedscrew - imperial - as above but fitted feednut	£29.64	£34.83
70/1302	Feednut - imperial - 10TPI	£12.52	£14.71
30/138	Feedscrew - metric - 2mm pitch as above but fitted with feednut	£29.64	£34.83
A1648	Feednut - metric - 2mm pitch	£12.52	£14.71
70/1984/A	Hard washer	£0.21	£0.25
11257	Fibre washer	£0.16	£0.19
11107	Steel micrometer dial (replaces 70/1303 mazak dial) OR	£15.84	£18.61
20/252	Re-settable micrometer dial	£34.55	£40.60
11293	Ball handle assembly	£12.42	£14.59
11269	Adjusting screw - gib strip	£0.45	£0.53
100027	Hexagon locknut (2BA)	£0.12	£0.14
70/1406	Tool clamp stud	£10.75	£12.63
A2806	Spring	£0.71	£0.83
70/1409/1	Tool clamp	£12.19	£14.32
70/1413	Adjusting screw assembly	£7.57	£8.89
70/1410	Spherical washer	£3.09	£3.63
70/1412	Tool clamp locking nut	£3.09	£3.63
15431	A1845 Tee nuts, complete with A7742 hexagon headed bolt and washers (for attaching the top slide to the cross slide)	£12.82pr	£15.06pr
	Note: For long bed ML7 lathes, refer to Super 7 spares list		

Tailstock Section:

13356	Tailstock assembly complete	£733.83	£862.25
A2798	Barrel	£63.43	£74.53
70/1506	Barrel key	£6.03	£7.09
70/1520/1	Handwheel assembly	£64.74	£76.07
70/1509	Thrust plate	£4.39	£5.16

Popular Spare Parts For ML7 Lathes

Tailstock Section continued:

Part Number	Description	Price Excl. VAT	Price Incl. VAT
70/1248	Hard centre - 2 MT	£10.19	£11.97
A2137	Thrust screw - gib strip	£3.19	£3.75
A2146	Set over screw	£1.00	£1.18
33/072	Pack of 10 x 65000 2BA oil nipples	£6.65	£7.81

Plates:

A2639	Screw cutting chart	£4.74	£5.57
	Transfer for headstock belt guard	£4.62	£5.43

Sundries:

33/038	Paint - grey - 250ml tin (air drying enamel)	£15.93	£18.72
80163	Castrol moly grease - 500gm tub - ideal for changewheels, feedscrews and leadscrews	£5.62	£6.60
80024	Lubricating oil - H32 Nuto - 1 litre for headstock spindle, tailstock barrel and oilite bushes	£7.98	£9.38
80025	Lubricating oil - Febis K68 - 1 litre for bed, slideways and gearbox	£7.98	£9.38
15472	"New" oil gun	£39.00	£45.83
15473	Set of 4 tee bolts with nuts and washers for fixing No 71 machine vice to cross slide or vertical slide Note: No 71 machine vice is no longer manufactured and is superceded by 78217 large capacity machine vice.	£15.92	£18.71

Installation and maintenance manuals

82005	ML7	£15.16	Nil
82006	Quick change gearbox	£7.28	Nil
82021	Laminated screw cutting chart	£2.43	Nil
82022	Laminated dividing chart (for 1445 dividing attachment and instructions on how to use the attachment)	£2.43	Nil
82023	Myford wall chart - Wipe clean surface - Decimal equivalent and pitch tables - extremely useful in workshops	£2.05	Nil

Popular Spare Parts For ML7 Lathes

Extra equipment:

Part Number	Description	Price Excl. VAT	Price Incl. VAT
1480	Quick change gearbox	£1313.81	£1543.73
1440A	Lever operated tailstock attachment	£132.74	£155.97
30/021A	Chuck guard for machines before lathe serial No K91000	£102.61	£120.57
30/021	Chuck guard for machines after lathe serial No K91000	£64.28	£75.53
30/027	Chuck guard kit to meet requirements of Health and Safety at Work Act 1974, comprising: Primary drive guard backplate, guard for rear end of headstock spindle and guard for swing head, including No 30/021 chuck guard for machines after lathe serial No K91000 (please state serial number of machine)	£130.12	£152.89
A1781	18T Tufnol pinion for tumbler reverse	£22.68	£26.65
A1782	20T Tufnol pinion for tumbler reverse	£22.68	£26.65
A1974/1	Fine feed tumbler cluster gear	£29.87	£35.10

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