

DESCRIPTION

A versatile and modular line boring machine offering a choice of electric, hydraulic and pneumatic boring bar drive motors, with a mechanical drive for the feed assembly.

Choose a standard machine kit from pages 2 and 3, or configure your own machine to suit your requirements.

KEY FEATURES

- Mechanical bi-directional variable auto-feed
- Drive and feed units which accept a variety of boring bar diameters
- Modular add-on components provide a flexible line boring solution for multiple projects
- Fast set-up time.

PERFORMANCE AND SPECIFICATION

BORING DIAMETER RANGE	1.5" to 24"	
BORING BAR STROKE	305, 610 or 915mm	12, 24, or 36"
POWER DRIVE MOTOR OPTIONS		
Electric 110 / 220v (4 speed reversible)	2.5 KW	3.3 Hp
Pneumatic	1.7 KW	2.2 Hp
Pneumatic	3.0 KW	4.0 Hp
Hydraulic	3.7 KW	5.0 Hp
VARIABLE TOOL FEED RATE	0.02 – 0.25mm	0.001 – 0.010"
MACHINE WEIGHT		
Estimate based on 60mm x 2m boring bar and 2 single arm mounts, drive and feed.	186kg	409 lbs
SHIPPING WEIGHTS AND DIMENSIONS: Available on request and dependent upon components selected.		

UK (HEAD OFFICE)

Mirage Machines Ltd
8 - 10 Enterprise Way
Jubilee Parkway
Stores Road, Derby
DE21 4BB, UK.
Tel: +44 (0) 1332 291767

USA

Mirage Subsea Inc
8615 Jackrabbit Rd
Houston
TX 77095
United States
Tel: +1 281 859 1234

ASIA

Mirage Machines Ltd
107 Tuas South Avenue 8
Offshore Marine Centre
Singapore, 637036
Tel: +65 985 50117

AUSTRALIA

Mirage Machines Ltd
15/4 Wharton Road
Kewdale
Western Australia, 6105
Tel: +61 (0) 452 48 1964

STANDARD MACHINE PACKS

Choose from the suggested machine packs below.
If you need something more specific see from page 4
"Configuring your own line boring machine."



MLB610-A

1.5 - 6" DIAMETER LINE BORING KIT COMPLETE WITH 30MM X 2M BORING BAR

ITEMS INCLUDED	QUANTITY	CODE
Metric Base Unit. Drive, Feed, Tool heads (1.5 - 6"), tool kit, manual and steel box	1	MLB150-1
30mm Bar x 2000mm bar, 10mm tooling, 150mm Spacing	1	MLB610-152
Electric 230V (8/160rpm) Motor Assembly	1	MLB610-35
Electric 230V control box	1	MLB610-45
305mm (12") Leadscrew	1	MLB610-50
30mm Bar, Small Setup Cones (1.5 - 3.5")	1	MLB610-192
30mm Bar, Medium Setup Cones (3.5 - 6")	1	MLB610-193
60mm Boring Bar Single arm Mount (1 Piece)	2	MLB610-70
30mm Collet Set. Feed, Drive, Tooling, Bearing x2	1	MLB610-122

MLB610-B

4 - 12" DIAMETER LINE BORING KIT COMPLETE WITH 60MM X 2M BORING BAR

ITEMS INCLUDED	QUANTITY	CODE
Metric Base Unit. Drive, Feed, Tool heads (4 - 12"), tool kit, manual and steel box	1	MLB610-1
60mm x 2000mm bar, 12mm tooling holes, 250mm Spacing	1	MLB610-11
Electric 230V (8/160rpm) Motor Assembly	1	MLB610-35
Electric 230V control box	1	MLB610-45
305mm (12") Leadscrew	1	MLB610-50
60mm Bar Small Setup Cones (2.75 - 8.37")	1	MLB610-60
60mm Bar Medium Setup Cones (8.37 - 12")	1	MLB610-61
60mm Boring Bar Single arm Mount (1 Piece)	2	MLB610-70
Mounting Bearing Housing (Housing Only - No Bearing)	1	MLB610-130
60mm Self Aligning Mounting Bearing (Bearing Only - No Housing)	1	MLB610-131

UK (HEAD OFFICE)

Mirage Machines Ltd
8 - 10 Enterprise Way
Jubilee Parkway
Stores Road, Derby
DE21 4BB, UK.
Tel: +44 (0) 1332 291767

USA

Mirage Subsea Inc
8615 Jackrabbit Rd
Houston
TX 77095
United States
Tel: +1 281 859 1234

ASIA

Mirage Machines Ltd
107 Tuas South Avenue 8
Offshore Marine Centre
Singapore, 637036
Tel: +65 985 50117

AUSTRALIA

Mirage Machines Ltd
15/4 Wharton Road
Kewdale
Western Australia, 6105
Tel: +61 (0) 452 48 1964

STANDARD MACHINE PACKS (CONTINUED)

MLB610-C

4 - 24" DIAMETER LINE BORING KIT COMPLETE WITH 60MM X 2M BORING BAR

ITEMS INCLUDED	QUANTITY	CODE
Metric Base Unit. Drive, Feed, Tool heads (4 - 12"), tool kit, manual and steel box	1	MLB610-1
60mm x 2000mm bar, 12mm tooling holes, 250mm Spacing	1	MLB610-11
Electric 230V (8/160rpm) Motor Assembly	1	MLB610-35
Electric 230V control box	1	MLB610-45
610mm (24") Leadscrew	1	MLB610-51
60mm Bar Small Setup Cones (2.75 - 8.37")	1	MLB610-60
60mm Bar Medium Setup Cones (8.37 - 12")	1	MLB610-61
60mm Boring Bar Single arm Mount (1 Piece)	2	MLB610-70
Mounting Bearing Housing (Housing Only - No Bearing)	1	MLB610-130
60mm Self Aligning Mounting Bearing (Bearing Only - No Housing)	1	MLB610-131
60mm Bar, 12" - 24" Bore Kit - 12mm Square Tooling	1	MLB610-141
2 1/4" Bar Large Setup Cones (12 - 24")	1	MLB610-66

MLB610-D

1.5 - 12" DIAMETER LINE BORING KIT COMPLETE WITH 30MM & 60MM X 2M BORING BARS

ITEMS INCLUDED	QUANTITY	CODE
Metric Base Unit. Drive, Feed, Tool heads (4 - 12"), tool kit, manual and steel box	1	MLB610-1
60mm x 2000mm bar, 12mm tooling holes, 250mm Spacing	1	MLB610-11
Electric 230V (8/160rpm) Motor Assembly	1	MLB610-35
Electric 230V control box	1	MLB610-45
610mm (24") Leadscrew	1	MLB610-51
60mm Bar Small Setup Cones (2.75 - 8.37")	1	MLB610-60
60mm Bar Medium Setup Cones (8.37 - 12")	1	MLB610-61
60mm Boring Bar Single arm Mount (1 Piece)	2	MLB610-70
30mm Bar x 2000mm bar, 10mm tooling, 150mm Spacing	1	MLB610-152
30mm Bar, Full Set of Setup Cones (1.5" - 6")	1	MLB610-194
30mm Collet Set. Feed, Drive, Tooling, Bearing x2	1	MLB610-122

MLB610-E

1.5 - 24" DIAMETER LINE BORING KIT COMPLETE WITH 30MM & 60MM X 2M BORING BARS

ITEMS INCLUDED	QUANTITY	CODE
Metric Base Unit. Drive, Feed, Tool heads (4 - 12"), tool kit, manual and steel box	1	MLB610-1
60mm x 2000mm bar, 12mm tooling holes, 250mm Spacing	1	MLB610-11
Electric 230V (8/160rpm) Motor Assembly	1	MLB610-35
Electric 230V control box	1	MLB610-45
610mm (24") Leadscrew	1	MLB610-51
60mm Boring Bar Single arm Mount (1 Piece)	2	MLB610-70
Mounting Bearing Housing (Housing Only - No Bearing)	1	MLB610-130
60mm Self Aligning Mounting Bearing (Bearing Only - No Housing)	1	MLB610-131
60mm Bar, 12" - 24" Bore Kit - 12mm Square Tooling	1	MLB610-141
60mm Bar Full Set of Setup Cones (2.75 - 24")	1	MLB610-63
30mm Bar x 2000mm bar, 10mm tooling, 150mm Spacing	1	MLB610-152
30mm Bar, Full Set of Setup Cones (1.5" - 6")	1	MLB610-194
30mm Collet Set. Feed, Drive, Tooling, Bearing x2	1	MLB610-122

UK (HEAD OFFICE)

Mirage Machines Ltd
8 - 10 Enterprise Way
Jubilee Parkway
Stores Road, Derby
DE21 4BB, UK.
Tel: +44 (0) 1332 291767

USA

Mirage Subsea Inc
8615 Jackrabbit Rd
Houston
TX 77095
United States
Tel: +1 281 859 1234

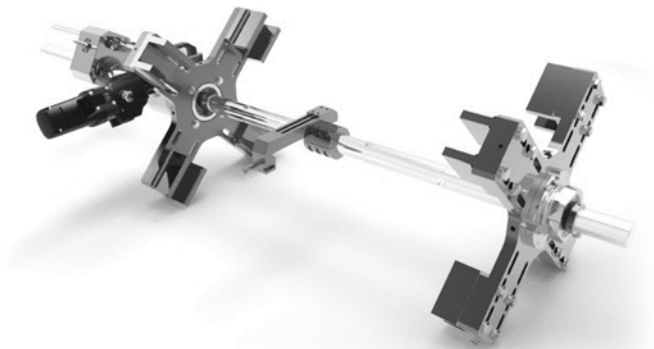
ASIA

Mirage Machines Ltd
107 Tuas South Avenue 8
Offshore Marine Centre
Singapore, 637036
Tel: +65 985 50117

AUSTRALIA

Mirage Machines Ltd
15/4 Wharton Road
Kewdale
Western Australia, 6105
Tel: +61 (0) 452 48 1964

CONFIGURING YOUR OWN LINE BORING MACHINE



RECOMMENDED STEPS

1. Select base unit
2. Select boring bar
3. Select drive motor
4. Select motor control
5. Select leadscrew length
6. Select setup cones
7. Select mounting options
8. Select accessories

1 SELECT BASE UNIT

Each base unit includes 1 drive unit, 1 feed unit, tool heads (4 - 12"), tool kit, manual and steel box.



BASE UNIT	CODE
Metric Base Unit	MLB610-1
Imperial Base Unit	MLB610-2

See accessories section for adapter collets for smaller bar diameters.

2 SELECT BORING BAR

Boring bars are chrome plated high tensile steel with full length keyway, supplied in a shipping crate.

60MM DIAMETER, 16MM TOOLING HOLES EVERY 150MM	CODE
60mm x 1000mm bar, 150mm spacing	MLB610-3
60mm x 1500mm bar, 150mm spacing	MLB610-4
60mm x 2000mm bar, 150mm spacing	MLB610-5
60mm x 2500mm bar, 150mm spacing	MLB610-6
60mm x 3000mm bar, 150mm spacing	MLB610-7
60mm x 3500mm bar, 150mm spacing	MLB610-8

60MM DIAMETER, 16MM TOOLING HOLES EVERY 250MM	CODE
60mm x 1000mm bar, 250mm spacing	MLB610-9
60mm x 1500mm bar, 250mm spacing	MLB610-10
60mm x 2000mm bar, 250mm spacing	MLB610-11
60mm x 2500mm bar, 250mm spacing	MLB610-12
60mm x 3000mm bar, 250mm spacing	MLB610-13
60mm x 3500mm bar, 250mm spacing	MLB610-14

2 1/4" DIAMETER, 16MM TOOLING HOLES EVERY 6"	CODE
2 1/4" x 36" bar, 6" spacing	MLB610-15
2 1/4" x 48" bar, 6" spacing	MLB610-16
2 1/4" x 72" bar, 6" spacing	MLB610-17
2 1/4" x 96" bar, 6" spacing	MLB610-18
2 1/4" x 120" bar, 6" spacing	MLB610-19
2 1/4" x 144" bar, 6" spacing	MLB610-20

2 1/4" DIAMETER, 16MM TOOLING HOLES EVERY 10"	CODE
2 1/4" x 36" bar, 10" spacing	MLB610-21
2 1/4" x 48" bar, 10" spacing	MLB610-22
2 1/4" x 72" bar, 10" spacing	MLB610-23
2 1/4" x 96" bar, 10" spacing	MLB610-24
2 1/4" x 120" bar, 10" spacing	MLB610-25
2 1/4" x 144" bar, 10" spacing	MLB610-26

UK (HEAD OFFICE)

Mirage Machines Ltd
8 - 10 Enterprise Way
Jubilee Parkway
Stores Road, Derby
DE21 4BB, UK.
Tel: +44 (0) 1332 291767

USA

Mirage Subsea Inc
8615 Jackrabbit Rd
Houston
TX 77095
United States
Tel: +1 281 859 1234

ASIA

Mirage Machines Ltd
107 Tuas South Avenue 8
Offshore Marine Centre
Singapore, 637036
Tel: +65 985 50117

AUSTRALIA

Mirage Machines Ltd
15/4 Wharton Road
Kewdale
Western Australia, 6105
Tel: +61 (0) 452 48 1964

3 SELECT DRIVE MOTOR OPTION

Drive motors fit to the rotational drive unit included in the base unit, they are reversible and final max bar rpm is quoted.



MOTOR OPTIONS	CODE
Pneumatic 2.2Hp / 1.7KW (166rpm)	MLB610-30
Pneumatic 4.0Hp / 3.0KW (60 rpm)	MLB610-31
Hydraulic 5.0HP / 3.7KW (100rpm)	MLB610-32
Hydraulic 5.0Hp / 3.7KW (32rpm)	MLB610-33
Electric 110v - 3.3HP / 2.5KW (8/160rpm)	MLB610-34
Electric 220V - 3.3HP / 2.5KW (8/160 rpm)	MLB610-35

Other motor variants available on request.

4 SELECT DRIVE MOTOR CONTROL OPTION

All control options are built to suit the listed drive motors, (options available on request).



CONTROL OPTIONS	CODE
Pneumatic basic air caddy and e-stop	MLB610-40
Pneumatic full two button start. CE certified	MLB610-41
Hydraulic PP1 Electric HPU + control valves	MLB610-42
Hydraulic PP1 Diesel HPU + control valves	MLB610-43
Electric 110v control box	MLB610-44
Electric 220V control box	MLB610-45

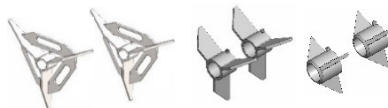
5 SELECT LEADSCREW

Select leadscrew to suit the stroke required.

LEADSCREW LENGTHS	CODE
305mm (12") stroke leadscrew	MLB610-50
610mm (24") stroke leadscrew	MLB610-51
915mm (36") stroke leadscrew	MLB610-52

6 SELECT SETUP CONES

Setup cones for metric and inch bars (sold in pairs).



60MM BORING BAR SETTING CONES	CODE
60mm Bar Small Setup Cones (2.75 - 8.37")	MLB610-60
60mm Bar Medium Setup Cones (8.37 - 12")	MLB610-61
60mm Bar Large Setup Cones (12 - 24")	MLB610-62
60mm Bar Full Set of Setup Cones (2.75 - 24")	MLB610-63

2 1/4" BORING BAR SETTING CONES	CODE
2 1/4" Bar Small Setup Cones (2.75 - 8.37")	MLB610-64
2 1/4" Bar Medium Setup Cones (8.37 - 12")	MLB610-65
2 1/4" Bar Large Setup Cones (12 - 24")	MLB610-66
2 1/4" Bar Full Set of Setup Cones (2.75 - 24")	MLB610-67

7 SELECT MOUNTING OPTIONS

Mounting options to suit metric or imperial bars (supplied complete with bearing). Please note: 2 off typically required within standard set up.



60MM BORING BAR MOUNTING OPTIONS	CODE
Single arm Mount (1 Piece)	MLB610-70
Double arm Mount (1 Piece)	MLB610-71
Universal Mount (1 Piece)	MLB610-72
ID Mount (1 Piece)	MLB610-73
ID Face Adjusting Mount (1 Piece)	MLB610-74
Four Arm Mount (1 Piece)	MLB610-75

2 1/4" BORING BAR MOUNTING OPTIONS	CODE
Single arm mount (1 Piece)	MLB610-77
Double arm mount (1 Piece)	MLB610-78
Universal mount (1 Piece)	MLB610-79
ID Mount (1 Piece)	MLB610-80
ID Face Adjusting Mount (1 Piece)	MLB610-81
Four Arm Mount (1 Piece)	MLB610-82

UK (Head Office)

Mirage Machines Ltd
8 - 10 Enterprise Way
Jubilee Parkway
Stores Road, Derby
DE21 4BB, UK.
Tel: +44 (0) 1332 291767

USA

Mirage Subsea Inc
8615 Jackrabbit Rd
Houston
TX 77095
United States
Tel: +1 281 859 1234

Asia

Mirage Machines Ltd
107 Tuas South Avenue 8
Offshore Marine Centre
Singapore, 637036
Tel: +65 985 50117

Australia

Mirage Machines Ltd
15/4 Wharton Road
Kewdale
Western Australia, 6105
Tel: +61 (0) 452 48 1964

8 SELECT ACCESSORIES

BORING BAR ADAPTER COLLETS

Enables the same drive, feed, mounting and accessories to be used on different bar diameters.



COLLETS – MOUNTING BEARINGS (Typically 2 off required).	CODE
60mm - 30mm Boring Bar Sleeve	MLB610-100
60mm - 1 3/4" Boring Bar Sleeve	MLB610-101
60mm - 1 1/4" Boring Bar Sleeve	MLB610-102
2 1/4" - 1 3/4" Boring Bar Sleeve	MLB610-103
2 1/4" - 1 1/4" Boring Bar Sleeve	MLB610-104
2 1/4" - 30mm Boring Bar Sleeve	MLB610-105
COLLETS - FEED UNIT	
Feed Unit Collet with Key for 60mm Diameter Bar	MLB610-106
Feed Unit Collet with Key for 30mm Diameter Bar	MLB610-107
Feed Unit Collet with Key for 2 -1/4" Diameter Bar	MLB610-108
Feed Unit Collet with Key for 1 -3/4" Diameter Bar	MLB610-109
Feed Unit Collet with Key for 1 -1/4" Diameter Bar	MLB610-110
COLLETS - DRIVE UNIT	
Drive Unit Collet with Key for 60mm Diameter Bar	MLB610-111
Drive Unit Collet with Key for 30mm Diameter Bar	MLB610-112
Drive Unit Collet with Key for 2-1/4" Diameter Bar	MLB610-113
Drive Unit Collet with Key for 1-3/4" Diameter Bar	MLB610-114
Drive Unit Collet with Key for 1-1/4" Diameter Bar	MLB610-115
COLLETS - TOOLING	
60mm Tooling to Boring Bar Sleeve	MLB610-116
30mm Tooling to Boring Bar Sleeve	MLB610-117
2 1/4" Tooling to Boring Bar Sleeve	MLB610-118
1 3/4" Tooling to Boring Bar Sleeve	MLB610-119
1 1/4" Tooling to Boring Bar Sleeve	MLB610-120
COLLETS – COMPLETE SETS	
60mm Collet Set. Feed, Drive, Tooling	MLB610-121
30mm Collet Set. Feed, Drive, Tooling, Bearing x2	MLB610-122
2 1/4" Collet Set. Feed, Drive, Tooling	MLB610-123
1 3/4" Collet Set. Feed, Drive, Tooling, Bearing x2	MLB610-124
1 1/4" Collet Set. Feed, Drive, Tooling, Bearing x2	MLB610-125

MOUNTING BEARINGS

Bearings and Bearing Housings are sold separately.



MOUNTING BEARINGS	CODE
Mounting Bearing Housing. (Housing only, excludes Bearing).	MLB610-130
60mm Self-aligning Mounting Bearing. (Bearing only, excludes Housing).	MLB610-131
2 1/4" Self-aligning Mounting Bearing (Bearing only, Excludes Housing).	MLB610-132

TOOLING HEADS

Tooling heads are sold with left-hand tools and 10 inserts for general steel / stainless steel use, (others available on request).



60MM TOOLING HEADS	CODE
60mm Bar, 4"-12" Bore Kit 16mm Tooling	MLB610-140
60mm Bar, 12"- 24" Bore Kit 12mm Square Tooling	MLB610-141
2 1/4" TOOLING HEADS	
2 1/4" Bar, 4"-12" Bore Kit 16mm Tooling	MLB610-142
2 1/4" Bar, 12"- 24" Bore Kit 12mm Square Tooling	MLB610-143
30MM TOOLING HEADS	
30mm Bar, 1 1/2" – 4 1/2" Tooling Heads, 10mm Tooling	MLB610-144

MICRO BORE KIT

Designed to fit directly to the bar or into standard tooling adapters.



MICRO BORE KIT	CODE
Metric Micro Bore Tooling - 60mm bar - 3 tools	MLB610-146

UK (HEAD OFFICE)	USA	ASIA	AUSTRALIA
Mirage Machines Ltd 8 - 10 Enterprise Way Jubilee Parkway Stores Road, Derby DE21 4BB, UK. Tel: +44 (0) 1332 291767	Mirage Subsea Inc 8615 Jackrabbit Rd Houston TX 77095 United States Tel: +1 281 859 1234	Mirage Machines Ltd 107 Tuas South Avenue 8 Offshore Marine Centre Singapore, 637036 Tel: +65 985 50117	Mirage Machines Ltd 15/4 Wharton Road Kewdale Western Australia, 6105 Tel: +61 (0) 452 48 1964

8 SELECT ACCESSORIES (CONTINUED)

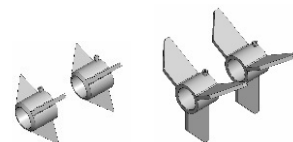
BORING BARS

Boring bars are chrome plated high tensile steel with full length keyway (supplied in shipping crate).

Ø 30MM BAR - 10MM TOOLING – HOLES EVERY 150MM	
	CODE
1000mm bar length, 150mm Hole Spacing	MLB610-150
1500mm bar length, 150mm Hole Spacing	MLB610-151
2000mm bar length, 150mm Hole Spacing	MLB610-152
2500mm bar length, 150mm Hole Spacing	MLB610-153
3000mm bar length, 150mm Hole Spacing	MLB610-154
3500mm bar length, 150mm Hole Spacing	MLB610-155
Ø 30MM BAR - 10MM TOOLING - HOLES EVERY 250MM	
1000mm bar length, 250mm Hole Spacing	MLB610-156
1500mm bar length, 250mm Hole Spacing	MLB610-157
2000mm bar length, 250mm Hole Spacing	MLB610-158
2500mm bar length, 250mm Hole Spacing	MLB610-159
3000mm bar length, 250mm Hole Spacing	MLB610-160
3500mm bar length, 250mm Hole Spacing	MLB610-161
Ø 1 1/4" BAR – 10MM TOOLING - HOLES EVERY 6"	
36" bar length, 6" Hole Spacing	MLB610-162
48" bar length, 6" Hole Spacing	MLB610-163
72" bar length, 6" Hole Spacing	MLB610-164
96" bar length, 6" Hole Spacing	MLB610-165
120" bar length, 6" Hole Spacing	MLB610-166
144" bar length, 6" Hole Spacing	MLB610-167
Ø 1 1/4" BAR – 10MM TOOLING - HOLES EVERY 10"	
36" bar length, 10" Hole Spacing	MLB610-168
48" bar length, 10" Spacing	MLB610-169
72" bar length, 10" Spacing	MLB610-170
96" bar length, 10" Spacing	MLB610-171
120" bar length, 10" Spacing	MLB610-172
144" bar length, 10" Spacing	MLB610-173
Ø 1 3/4" BAR – 10MM TOOLING - HOLES EVERY 6"	
36" bar length, 6" Hole Spacing	MLB610-174
48" bar length, 6" Hole Spacing	MLB610-175
72" bar length, 6" Hole Spacing	MLB610-176
96" bar length, 6" Hole Spacing	MLB610-177
120" bar length, 6" Hole Spacing	MLB610-178
144" bar length, 6" Hole Spacing	MLB610-179
Ø 1 3/4" BAR – 10MM TOOLING - HOLES EVERY 10"	
36" bar length, 10" Hole Spacing	MLB610-180
48" bar length, 10" Hole Spacing	MLB610-181
72" bar length, 10" Hole Spacing	MLB610-182
96" bar length, 10" Hole Spacing	MLB610-183
120" bar length, 10" Hole Spacing	MLB610-184
144" bar length, 10" Hole Spacing	MLB610-185

SET UP CONES

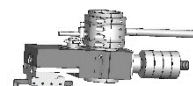
All setup cones for metric and inch bars (sold in pairs).



Ø 30MM BORING BAR SETTING CONES	CODE
30mm Bar, Small Setup Cones (1.5 - 3.5")	MLB610-192
30mm Bar, Medium Setup Cones (3.5 - 6")	MLB610-193
30mm Bar, Full Set of Setup Cones (1.5 - 6")	MLB610-194
Ø 1 1/4" BORING BAR SETTING CONES	
1 1/4" Bar, Small Setup Cones (1.5 - 3.5")	MLB610-195
1 1/4" Bar, Medium Setup Cones (3.5 - 6")	MLB610-196
1 1/4" Bar, Full Set of Setup Cones (1.5 - 6")	MLB610-197

FACING HEADS

All facing heads supplied with trip and counterbalance.



FACING HEADS - METRIC BAR 60MM	CODE
Small Diameter Facing Head (1 1/2" - 15 1/2")	MLB610-200
Medium Diameter Facing Head (1 1/4" - 20")	MLB610-201
Large Diameter Facing Head (1 1/4" - 32")	MLB610-202

SMALL BORE KITS



	CODE
60 - 30mm Bar Set. Drive, Feed & Bearing Collets. Set Up Cones & Tooling.	MLB610-190
2 1/4" – 1 1/4" Bar Set. Drive, Feed & Bearing Collets. Set Up Cones & Tooling.	MLB610-191

UK (HEAD OFFICE)

Mirage Machines Ltd
8 - 10 Enterprise Way
Jubilee Parkway
Stores Road, Derby
DE21 4BB, UK.
Tel: +44 (0) 1332 291767

USA

Mirage Subsea Inc
8615 Jackrabbit Rd
Houston
TX 77095
United States
Tel: +1 281 859 1234

ASIA

Mirage Machines Ltd
107 Tuas South Avenue 8
Offshore Marine Centre
Singapore, 637036
Tel: +65 985 50117

AUSTRALIA

Mirage Machines Ltd
15/4 Wharton Road
Kewdale
Western Australia, 6105
Tel: +61 (0) 452 48 1964

8 SELECT ACCESSORIES (CONTINUED)



BORE WELDERS

MLB interface bore welding systems 1-30" Ø

BORE WELDERS - METRIC BAR 60MM	CODE
60mm Bar Small Diameter Bore Welder (1 - 14")	MLB610-250
60mm Bar Large Diameter Bore Welder (1 - 30")	MLB610-251
BORE WELDERS – ADAPTOR KITS	
60mm Boring Bar Welder Mounting Bracket Adaptor (1-30")	MLB610-252
2 1/4" Boring Bar Welder Mounting Bracket Adaptor (1-30") & Collet Set	MLB610-253

TOOLING

Tool Holders for metric and inch boring bars and boring kits.



TOOLING - 16MM (FOR 4 -12" TOOLING HEADS)	CODE
16mm inserted tool holder - (For 4 - 6" Tooling Head Kit)	MLB610-300
16mm inserted tool holder - (For 6 - 8" Tooling Head Kit)	MLB610-301
16mm inserted tool holder - (For 8 - 12" Tooling Head Kit)	MLB610-302
TOOLING - 12MM (FOR 12 -24" TOOLING HEADS)	
12mm inserted tool holder (for 12 -24" Tooling Head Kit)	MLB610-303
TOOLING - 10MM (FOR 1.5 - 4" TOOLING HEADS)	
10mm inserted tool holder - 25mm (For 1.5" - 4" Tooling Head Kit)	MLB610-308
10mm inserted tool holder - 45mm (For 1.5" - 4" Tooling Head Kit)	MLB610-309
10mm inserted tool holder - 65mm (For 1.5" - 4" Tooling Head Kit)	MLB610-310
TOOLING - 16MM (FOR 4 - 12" TOOLING HEADS - REDUCES DIAMETER TO 2.5")	
16mm inserted tool holder + adjusting screw (For 4 - 12" Tooling Head Kit - reduces diameter to 2.5")	MLB610-314

UK (HEAD OFFICE)	USA	ASIA	AUSTRALIA
Mirage Machines Ltd 8 - 10 Enterprise Way Jubilee Parkway Stores Road, Derby DE21 4BB, UK. Tel: +44 (0) 1332 291767	Mirage Subsea Inc 8615 Jackrabbit Rd Houston TX 77095 United States Tel: +1 281 859 1234	Mirage Machines Ltd 107 Tuas South Avenue 8 Offshore Marine Centre Singapore, 637036 Tel: +65 985 50117	Mirage Machines Ltd 15/4 Wharton Road Kewdale Western Australia, 6105 Tel: +61 (0) 452 48 1964

8 SELECT ACCESSORIES (CONTINUED)

TOOLING INSERTS

Tooling Inserts for metric and inch boring bars and boring kits.

TOOLING INSERTS	
Carbide Inserts for 16mm tooling (General grade steel / stainless steels)	MLB610-316
Carbide Inserts for 12mm tooling (General grade steel / stainless steels)	MLB610-317
Carbide Inserts for 10mm tooling (General grade steel / stainless steels)	MLB610-318
Carbide Inserts for Microbore tooling (General grade steel / stainless steels)	MLB610-316
DRILLING ACCESSORIES	
Drill stand and front support bearing -(requires single arm support to mount Drive unit)	MLB610-330
60mm bar, 5MT / 1/2" parallel bore - for 12" stroke	MLB610-331
60mm bar, 5MT / 1/2" parallel bore - for 24" stroke	MLB610-332
60mm bar, 5MT / 1/2" parallel bore - for 36" stroke	MLB610-333
Drill Morse Taper sleeve set (5-4, 4-3, 3-2)	MLB610-334
MAGNETIC DIAL INDICATOR	
50mm magnetic back plunge type dial test indicator	MLB610-340
Bar Mounting (16mm) magnetic back dial test indicator holder	MLB610-341
BORE MEASURING	
12" max diameter electronic digital caliper	MLB610-342
24" max diameter electronic digital caliper	MLB610-343
Manual Bore Measuring to 12"	MLB610-344
Digital Bore Measuring to 24"	MLB610-345

SET UP AND OPERATION

Please operate within machine manual guidelines regarding set up, operation, safety and maintenance.

MACHINE AVAILABILITY

Purchase Rental



CONTACT US: CLICK HERE



Call us on +44 (0) 1332 291767 or at your nearest Mirage location



UK (HEAD OFFICE)

Mirage Machines Ltd
8 - 10 Enterprise Way
Jubilee Parkway
Stores Road, Derby
DE21 4BB, UK.
Tel: +44 (0) 1332 291767

USA

Mirage Subsea Inc
8615 Jackrabbit Rd
Houston
TX 77095
United States
Tel: +1 281 859 1234

ASIA

Mirage Machines Ltd
107 Tuas South Avenue 8
Offshore Marine Centre
Singapore, 637036
Tel: +65 985 50117

AUSTRALIA

Mirage Machines Ltd
15/4 Wharton Road
Kewdale
Western Australia, 6105
Tel: +61 (0) 452 48 1964