**MasterLok-90**

- MasterLok-90 / MasterLok-FS Load Tables and Section Properties

Load tables and section properties for MasterLok-90 and MasterLok-FS can be found online at www.mcelroymetal.com.

Please contact the McElroy Engineering Department at 1-800-950-9082 for additional information.

### Details:
- Factory applied sealant in seam to improve weather-tightness
- Minimum Slope: 1/4:12
- Can be installed over sold deck or open framing
- MasterLok-FS is a mechanically seamed profile
- MasterLok-90 also available with MoistureLok

### Panel Options:
- Panel width: 24”
- Coating:
  - Kynar 500® (PVDF)
- Substrate:
  - Standard 24 GA Galvalume®
  - Optional 22 GA Galvalume

### Notes:
- Oil canning is inherent in all metal panels and is not cause for panel rejection.
-Please contact a McElroy representative for specific pricing, lead times, special colors or gauges that may not be on a McElroy Metal color chart.
-Contents in this manual are subject to change without notice. To confirm this book is the most current copy, please visit McElroy’s website at www.mcelroymetal.com.
Simple Eave Trim*  
MLSE

Sculptured Eave Trim*  
MLSCE

Termination Trim  
MLVT

Rake Trim  
MLRT

Rake Slide  
MLRS

Rake End  
ML-RE

Rake Tie-In Trim

Alternate Rake Tie-In Trim

High Side Eave Trim  
MLHS2

High Side Eave Trim  
MLHS4

Fixed High Side Tie-In*  
MLFXHST

Floating High Side Tie-In*  
MLFLHST

Fixed Ridge Flashing*  
MLFXR

Floating Ridge Flashing*  
MLFLR

Fixed Peak Box  
MLFPB2

*specify roof pitch

* Indicates an open hem - All other hems are closed.
**MASTERLOK-90/FS**

**TRIM**

- **Fixed Peak Box (2:12 to 4:12 Pitch)**
  - MLFXPB4
  - Color Side: 1' - 6"
  - Lengths: 1' - 6"

- **Floating Peak Box (Up to 2:12 Pitch)**
  - MLFLPB2
  - Color Side: 2' - 1"
  - Lengths: 2' - 1"

- **Floating Peak Box (2:12 to 4:12 Pitch)**
  - MLFLPB4
  - Color Side: 2' 1"
  - Lengths: 1' - 4 3/4"

- **Gutter (Up to 2:12 Pitch)**
  - MLG2
  - Color Side: 4 3/4"
  - Lengths: 10' - 3"
  - Lengths: 20' - 3"

- **Gutter (2:12 to 4:12 Pitch)**
  - MLG4
  - Color Side: 5 1/4"
  - Lengths: 10' - 3"
  - Lengths: 20' - 3"

- **Gutter Strap**
  - ML-GS
  - Color Side: 3/4"
  - Lengths: 0' - 6"

- **Gutter End Cap (Up to 2:12 Pitch)**
  - MLGE2
  - Color Side: 3 7/8"
  - Lengths: N/A

- **Gutter End Cap (2:12 to 4:12 Pitch)**
  - MLGE4
  - Color Side: 3 7/8"
  - Lengths: N/A

- **Outside Corner Box for Standard Gutter (Up to 2:12 Pitch)**
  - (Right Hand Shown - Left Hand Opposite)
  - MLOCB
  - Color Side: 3/4"
  - Lengths: N/A

- **Gutter Corner Box for Standard Gutter 2:12 to 4:12 pitch or with Sculptured Gutter (Right Hand Shown-Left Hand Opposite)**
  - 26 GA
  - Lengths: N/A

- **Gutter Corner Box for Sculptured Eave (Up to 4:12 Pitch) (Right Hand Shown-Left Hand Opposite)**
  - 26 GA
  - Lengths: N/A

- **High Side Corner Box (Right Hand Shown-Left Hand Opposite)**
  - MLHCB
  - Lengths: N/A

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*specify roof pitch

*Indicates an open hem - All other hems are closed.*
## MASTERLOK-90/FS

### Aluminum Downspout Outlet Box
**BBPOUT**
- **Lengths:**
  - 14' - 3"

### High-Low Tie-In Trim*
**MLHL**
- **Lengths:**
  - 10' - 3"
  - 20' - 3"

### Zee Flashing
**ML3ZF**
- **Lengths:**
  - 10' - 3"

### Insulation Angle Trim
**MLIA**
- **Lengths:**
  - 10' - 3"

### Insulation Zee Trim
**MLIZ**
- **Lengths:**
  - 2' - 0"

### Aluminum Downspout Outlet Box
**BBPOUT**
- **Lengths:**
  - N/A

### 3" x 4" Downspout
**BBPDS**
- **Lengths:**
  - 10' - 3"

### Downspout Strap
**BBPDSS**
- **Lengths:**
  - 2' - 0"

### Downspout Elbow A-Style
**BBPELA**
- **Lengths:**
  - N/A

### Lock-Seam Downspout - Corner (Right Hand Corner Shown)
- **Lengths:**
  - 14' - 3"

### Lock-Seam Downspout - Center
- **Lengths:**
  - 10"

### Lock-Seam Downspout Outlet - Standard
- **Lengths:**
  - 0' - 4"

### Lock-Seam Downspout Strap
- **Lengths:**
  - 3 3/8"

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*specify roof pitch
<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>1/4 - 14 x 1 1/4&quot;</th>
<th>#12 - 24 x 1 1/4&quot;</th>
<th>1/4 - 14 x 1 1/4&quot;</th>
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<tbody>
<tr>
<td>TEK2 Self Driller W/O Washer - Plain Item #: 10969</td>
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<td>1/4 - 14 x 1 1/4&quot; TEK2 ZAC (Part # varies by color)</td>
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<td>LAPTEK ZAC Self Driller (Part # varies by color)</td>
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<td>43D Pop Rivet (Part # varies by color.)</td>
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<td>#14-10 Dekfast Pan Head (Length varies by application)</td>
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<td>ML-90 Utility Fixed Clip Item #: 10919</td>
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<td>ML-90 Utility Floating Clip Item #: 10920</td>
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<td>ML-90 High Fixed Clip Item #: 10922</td>
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<td>ML-90 Low Fixed Clip Item #: 10921</td>
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<td>ML-90 High Floating Clip Item #: 10924</td>
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<td>ML-90 Low Floating Clip Item #: 10923</td>
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<td>ML-FS Low Floating Clip Item #: 10211</td>
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<td>ML-FS High Floating Clip Item #: 10212</td>
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<td>ML-FS 5&quot; Tall Clip Item #: 227329</td>
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<tr>
<td>Utility Eave Plate Item #: 17477 Primed Item #: 221025 Galvanized</td>
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<tr>
<td>Low Eave Plate Item #: 10936 Primed Item #: 224381 Galvanized</td>
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Images are not drawn to scale.
### ACCESSORIES

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<thead>
<tr>
<th>Product Description</th>
<th>Primed/Primed</th>
<th>Primed/Galvanized</th>
<th>Galvanized/Galvanized</th>
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<tbody>
<tr>
<td>Utility Fixed Rake Support Angle</td>
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<tr>
<td>10' Item #: 11213</td>
<td>2 7/8&quot;</td>
<td>Lengths: 10'</td>
<td>Lengths: 20'</td>
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<tr>
<td>20' Item #: 11196</td>
<td>2 1/8&quot;</td>
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<tr>
<td>Low Fixed Rake Support Angle</td>
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<tr>
<td>10' Item #: 11005</td>
<td>3 1/4&quot;</td>
<td>Lengths: 10'</td>
<td>Lengths: 20'</td>
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<td>20' Item #: 10941</td>
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<td>High Fixed Rake Support Angle</td>
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<tr>
<td>10' Item #: 11002</td>
<td>4 1/4&quot;</td>
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<td>Lengths: 20'</td>
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<td>20' Item #: 10943</td>
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<td>Utility Floating Rake Support Angle</td>
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<tr>
<td>Item #: 10942</td>
<td>2 7/8&quot;</td>
<td>Lengths: 10'</td>
<td>Lengths: 20'</td>
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<tr>
<td>Low Floating Rake Support Angle</td>
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<td>1' - 0&quot; O.C.</td>
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<tr>
<td>Item #: 10944</td>
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<td>Lengths: 20'</td>
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<tr>
<td>High Floating Rake Support Angle</td>
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<td>Item #: 10946</td>
<td>4 1/4&quot;</td>
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<td>MLFS Tall Floating Rake Support Angle</td>
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<td>Item #: 232319</td>
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<td>MLFS Tall Eave Plate</td>
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<td>Floating Eave Plate</td>
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<td>Item #: 232440</td>
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<td>Bearing Plate</td>
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<td>Item #: 94599 Primed</td>
<td>2 11/32&quot;</td>
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<td>Modified Back-Up Plate</td>
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<td>Item #: 203541 Galvanized</td>
<td>5 15/16&quot;</td>
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<td>18&quot; Item #: 11206</td>
<td>3 7/8&quot;</td>
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<td>24&quot; Item #: 10948</td>
<td>2 11/32&quot;</td>
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<tr>
<td>5/8&quot;</td>
<td>2 11/32&quot;</td>
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<td>5/8&quot;</td>
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<td>Inside Closure - Metal</td>
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<td>(Part # varies by color)</td>
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<td>Inside Closure - Rubber</td>
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<td>Item #: 10957</td>
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<td>Outside Closure</td>
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<td>(Part # varies by color)</td>
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<tr>
<td>ML-90 Cinch Strap</td>
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</table>
## ACCESSORIES

| ML-FS Cinch Strap  
( Part # varies by color ) | Butyl Tape Sealant - Double Bead  
3/16” x 7/8” x 40’  
Item #: 95460 | Butyl Tape Sealant  
1 1/2” x 1/8” x 30’  
Item #: 10959 |
| ML-FS Cinch Strap  
( Part # varies by color ) | Butyl Tape Sealant - Double Bead  
3/16” x 7/8” x 40’  
Item #: 95460 | Butyl Tape Sealant  
1 1/2” x 1/8” x 30’  
Item #: 10959 |
| Butyl Tape Sealant  
3/32” x 1” x 45’  
Item #: 95335 | Strip Tape  
3/4” x 1 3/8” x 7/32” x 4”  
Item #: 95365 | Titebond Caulk Sealant  
( Part # varies by color ) |
| Butyl Tape Sealant  
3/32” x 1” x 45’  
Item #: 95335 | Strip Tape  
3/4” x 1 3/8” x 7/32” x 4”  
Item #: 95365 | Titebond Caulk Sealant  
( Part # varies by color ) |
| Sikalastomer Butyl Tube Sealant  
Item #: 95342 | Thermal Spacer  
3/8” x 3” x 23 7/8”  
Item #: 11006  
5/8” x 3” x 23 7/8”  
Item #: 11008  
1” x 3” x 23 7/8”  
Item #: 10960  
1 3/8” x 3” x 23 7/8”  
Item #: 10961 | Touch-Up Paint Pen  
( Part # Varies by Color ) |
| Sikalastomer Butyl Tube Sealant  
Item #: 95342 | Thermal Spacer  
3/8” x 3” x 23 7/8”  
Item #: 11006  
5/8” x 3” x 23 7/8”  
Item #: 11008  
1” x 3” x 23 7/8”  
Item #: 10960  
1 3/8” x 3” x 23 7/8”  
Item #: 10961 | Touch-Up Paint Pen  
( Part # Varies by Color ) |
| ML90 Seam Snapping Tool  
Item #: 10967 | Unseaming Tool  
( ML-90 Only )  
Item #: 10966 | |