

# Cable Preparation Tools

## MV Accessories



### OVERVIEW

Prysmian is proud to offer some of the industry's finest cable preparation tools for use on Low and Medium Voltage cables. Long-term product performance and grid reliability depends on the correct installation of cable accessories. Using cable preparation tools specifically designed to assist in the installation of Low and Medium Voltage Accessories can help to mitigate the risks of failures due to improper cable preparation procedures.



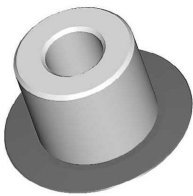
### PG Series

The ALROC PG Series plier is designed for removing the outer sheath on medium voltage cable. It enables the user to make a circular and longitudinal cut to remove the cable's outer sheath.

#### PG SERIES PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Circular Blade Depth INCHES (mm)	Longitudinal Blade Depth INCHES (mm)
PG2-MV/C079L079	0.80 – 1.40 (20 – 36)	0.079 (2.0)	0.079 (2.0)
PG3-MV/C039L070	1.00 – 2.00 (25 – 51)	0.039 (1.0)	0.070 (1.8)
PG3-MV/C110L130	1.00 – 2.00 (25 – 51)	0.110 (2.8)	0.130 (3.3)
PG4-MV/C110L130	1.85 – 3.00 (47 – 76)	0.110 (2.8)	0.130 (3.3)
PG5-MV/C138L138	2.55 – 3.70 (65 – 94)	0.138 (3.5)	0.138 (3.5)
PG6-MV/C138L138	3.14 – 4.90 (80 – 124)	0.138 (3.5)	0.138 (3.5)

#### PG SERIES REPLACEMENT CIRCULAR BLADES



Part Number	Circular Blade Depth INCHES (mm)	Quantity
C039	0.039 (1.0)	4 Blades / Tool
C079	0.079 (2.0)	
C110	0.110 (2.8)	
C138	0.138 (3.5)	

#### PG SERIES REPLACEMENT LONGITUDINAL BLADES



Part Number	Circular Blade Depth INCHES (mm)	Quantity
L070	0.070 (1.8)	1 Blade / Tool
L079	0.079 (2.0)	
L130	0.130 (3.3)	
L138	0.138 (3.5)	





### PF3

The ALROC PF3 plier was designed specifically for use on longitudinally corrugated (LC) shielded cable allowing the user to make a circular cut on the corrugated shield prior to its removal. The grooves on the bushing allow the user to make a score on the LC shield without touching the semiconducting layer underneath.

#### PF3 PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Circular Cutting Thickness Capacity INCHES (mm)
PF3/024	1.024 – 2.047 (26 – 52)	0.024 (0.6)



### MVS

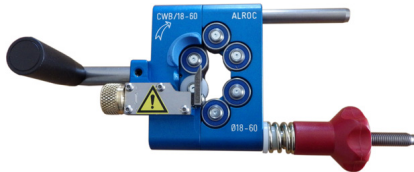
The ALROC MVS Stop is designed to be a tool stop for associated tools on 1 and 3 core cables. The tool can be tightened around the cable to ensure clean and straight cutbacks.

#### MVS PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)
MVS	0.709 – 2.362 (18 – 60)

#### ASSOCIATED TOOLS:

- CWB/18-60-FEP
- LHM1R 30/45
- LHM2R 30/60
- MF3/60-SRC-USA



### CWB/18-60

The ALROC CWB/18-60 tool is designed for use on Medium Voltage Cable to remove the bonded semiconductor with a chamfer on the transition, leaving a smooth finish over the insulation. The tool allows the user to fine tune the cut depth and an adjustable semiconductor cutback.

#### CWB/18-60 PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Tool Capacity		
		Thickness Capacity INCHES (mm)	Angle of Chamfer	Semiconductor Cutback Stops INCHES (mm)
CWB/18-60-FEP	0.709 – 2.362 (18 – 60)	0.071 (1.8)	13°	0.984 - 1.181 - 1.575 (25 - 30 - 40)

#### CWB/18-60 REPLACEMENT BLADE

Part Number	Thickness Capacity INCHES (mm)	Angle of Chamfer
LCWB-FEP	0.071 (1.8)	13°

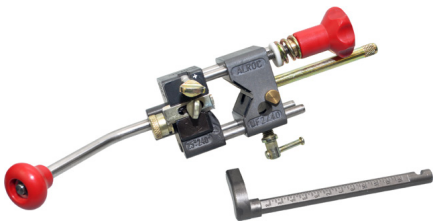


### LHM Series

The ALROC LHM series is designed to assist with removing peelable semiconductor from the cable insulation by hand. The blade is adjustable, and the tool comes with an adjustable stop for common cutback dimensions.

#### LHM SERIES PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Semiconductor Cutback Stops INCHES (mm)
LHM1R 30/45	0.551 – 1.575 (14 – 40)	1.181 – 1.575 (30 – 40)
LHM2R 30/60	1.496 – 2.362 (38 – 60)	1.181 – 1.575 – 1.772 – 2.165 – 2.362 (30 – 40 – 45 – 55 – 60)

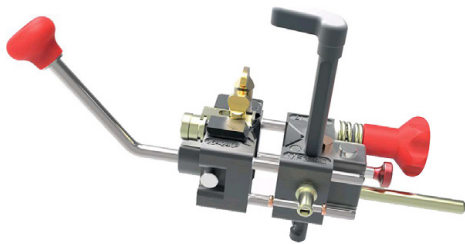


### MF2 Series

The ALROC MF2 Series multifunction tool allows the user to remove the outer sheath (PE-PVC-PR) as well as set the length and remove cable insulation with a straight and neat cut.

#### MF2 SERIES PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Thickness Capacity INCHES (mm)
MF2/40-S-USA	0.630 – 1.575 (16 – 40)	0.433 (11)
MF2/60-S-USA	0.630 – 2.283 (16 – 58)	0.433 (11)

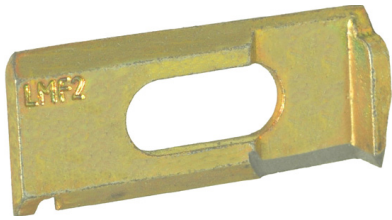


### MF3 Series

The ALROC MF3 Series multifunction tool allows the user to remove the outer sheath (PE-PVC-PR), as well as set the length and remove cable insulation with a straight and neat cut. The SCH stylus insert enables the user to make a chamfer on the extremity of the primary insulation.

#### MF3 SERIES PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Tool Capacity INCHES (mm)		Stylus Included
		Peelable Semicon Thickness Capacity	Insulation Thickness Capacity	
MF3/60-SCH-USA	0.630 – 2.283 (16 – 58)	0.015 – 0.059 (0.4 – 1.5)	0.433 (11)	Chamfered



## LMF2

Replacement Blade for thick outer sheath and insulation for use with the ALROC MF2 and MF3 Series.

### LMF2 PRODUCT INFORMATION

Part Number	Cutting Depth INCHES (mm)
LMF2-S	0.433 (11)



## KIT-MF PADS

Replacement wear pad kit for use with ALROC MF2 and MF3 Series tools. 5 Complete sets included in each kit.

### KIT-MF PRODUCT INFORMATION

Part Number	Sets Per Kit
KIT-MF	5



## DSP

The ALROC DSP tool removes and catches the peelable semiconductor at the cable end allowing the user to remove it by hand.

### DSP PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Type of Semiconductor
DSP	0.394 – 3.150 (10 – 80)	Smooth or ribbed peelable



## EVP

The ALROC EVP tool enables the user to flare and spread the lead sheath or the tabs made from the lead sheath.

### EVP PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)
EVP	0.591 – 9.449 (15 – 240)



## EV 630

The ALROC EV 630 enables the user to spread the tabs of the PVC outer sheath with glued aluminum screen to ease the positioning of the screen ring under the outer sheath.

### EV 360 PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)
EV 630	1.575 – 2.362 (40 – 60)

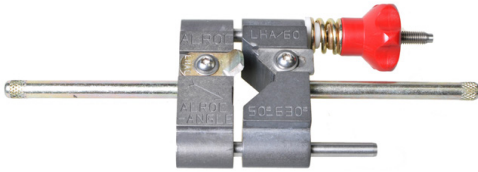


## Pfisterer SICON Holding Tools

The Pfisterer SICON Holding Tools are designed to provide extra leverage when installing the SICON shear bolt connector. They can be used with a handheld socket or a battery-operated impact wrench. The coating on the holding tool is rated at 1kV for low voltage applications and is optimal when installation requires a single person.

### PFISTERER SICON HOLDING TOOL PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Length INCHES (mm)
331 903 001	0.55 – 1.25 (14 – 32)	11.5 (295)
331 903 002	1.20 – 2.00 (25 – 50)	12.5 (315.5)



## LHA/60

The ALROC LHA/60 tool enables the user to realize a chamfer of 30° at the extremity of the insulation of medium voltage cables.

### LHA/60 PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Chamfer Angle
LHA/60	0.787 – 2.165 (20 – 55)	30°



## WIRE BRUSH

Prysmian offers Stainless-Steel Wire Brushes with a wood handle. Aluminum Conductors exposed to oxygen will begin to develop a thin, hard film of aluminum oxide leading to corrosion. Wire brushes are recommended to clean aluminum oxide from the conductor during cable preparation prior to installing the connector.

### SS-BRUSH PRODUCT INFORMATION

Part Number	Handle Length INCHES (mm)	Handle	Handle	QTY/Case
SS-BRUSH	0.787 – 2.165 (20 – 55)	Wood	Stainless Steel	5

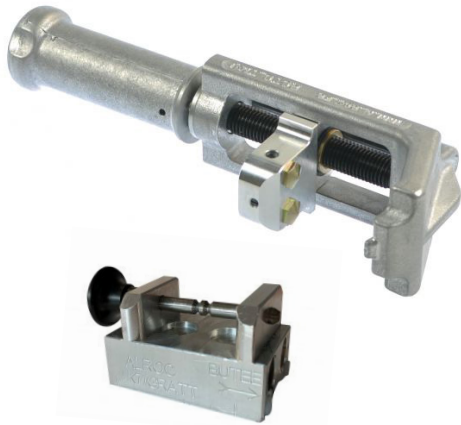


### ROTOGRATT

The ALROC ROTTOGRATT tool allows for medium voltage cables sheath abrasion to obtain a good adherence of medium voltage accessories and guarantees junction equipment.

#### ROTOGRATT PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Abrasion Length INCHES (mm)
ROTOGRATT RTT2	0.787 – 2.047 (20 – 52)	1.968 (50)



### ROTO-TMG

The ALROC ROTO-TMG tool is an adjustable multifunction tool that holds fittings and lugs mechanically tight and to be used when stopping and sheathing. When combined with the ALROC K7/GRATT enables the user to abrade the outer sheath of the cable to ensure a good sealing of the cable accessory.

#### ROTO-TMG PRODUCT INFORMATION

Part Number	Diameter Range INCHES (mm)	Abrasion Length INCHES (mm)
ROTO-TMG w/ K7/GRATT	0.630 – 2.362 (16 – 60)	1.969 (50)

K7/GRATT Attachment