

GUIDE TO OPTICAL FIRE CONTROL FOR HOWITZERS & MORTARS



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Seiler Instrument is a full service contract manufacturer of precision optical instruments, machine parts, assemblies, and subassemblies with core competencies in design and engineering, machining, assembly, testing, inspection, and servicing. The Seiler Manufacturing Division takes pride in manufacturing only the highest quality precision optical instruments and components. We have the facility, ability, experience, people, and global reputation to produce world class subassemblies and complete instruments. Seiler is one of only a few companies capable of undertaking this type of work in a skillful, economical and timely fashion.

Seiler is the Original Equipment Manufacturer for the optical fire control used on all United States howitzer and mortar systems. Seiler machines, assembles, and tests all of our products for the United States Government, military contractors, and both public and private enterprises.

Within our expertise of machining, assembly, and testing capabilities, Seiler also specializes in the inspection, repair, overhaul, and refurbishment of the artillery fire control used on all existing United States howitzer systems as well as many howitzer systems used by our allies. Refurbished fire control can extend the life of your weapon system at a fraction of the cost to replace the damaged or depreciated instrument.



**WE HAVE THE FACILITY,
ABILITY, EXPERIENCE,
PEOPLE, AND GLOBAL
REPUTATION TO
PRODUCE WORLD CLASS
SUBASSEMBLIES AND
COMPLETE INSTRUMENTS.**

M109



M109 SERIES, 155MM SP HOWITZER



ELBOW TELESCOPE M118A2

NSN: 1240-01-092-2693

P/N: 11829207



TELESCOPE MOUNT M146

NSN: 1240-00-864-0348

P/N: 8616011



PERISCOPE M42

NSN: 1240-00-864-2933

P/N: 7645543



PANTEL M117A2

NSN: 1240-00-106-7754

P/N: 11739510



PANTEL MOUNT M145A1

NSN: 1240-01-313-6842

P/N: 8267701-1



ALIGNMENT DEVICE M140A1

NSN: 4931-01-472-6622

P/N: 11741648-4

M777



M777 LIGHT WEIGHT HOWITZER



M172A1 TELESCOPE MOUNT
NSN: 1240-01-517-2171
P/N: 13005089



M138A1 ELBOW TELESCOPE
NSN: 1240-01-515-8264
P/N: 13005104



M18A1 FIRE CONTROL QUADRANT
NSN: 1290-01-515-8262
P/N: 13005102



M171A1 TELESCOPE MOUNT
NSN: 1240-01-515-8265
P/N: 13005103



M137A2 PANORAMIC TELESCOPE
NSN: 1240-01-277-0472
P/N: 12984713



M17A1 FIRE CONTROL QUADRANT
NSN: 1240-01-515-8260
P/N: 13005101



ALIGNMENT DEVICE M154
NSN: 4931-01-516-1430
P/N: 11741648-5

M198



M198 HOWITZER — 155MM TOWED



M172A1 TELESCOPE MOUNT

NSN: 1240-01-517-2171

P/N: 13005089



M138A1 ELBOW TELESCOPE

NSN: 1240-01-038-0530

P/N: 13005104



**M18A1 FIRE CONTROL
QUADRANT**

NSN: 1290-01-515-8262

P/N: 13005102



M171A1 TELESCOPE MOUNT

NSN: 1240-01-515-8265

P/N: 13005103



**M137A3 PANORAMIC
TELESCOPE**

NSN: 1240-01-483-6100

P/N: 12984775



**M17A1 FIRE CONTROL
QUADRANT**

NSN: 1290-01-515-8260

P/N: 13005101



ALIGNMENT DEVICE M139A1

NSN: 4931-01-472-6621

P/N: 11741648-3

M119



M119 LIGHT WEIGHT HOWITZER



M186 TELESCOPE MOUNT

NSN: 1240-01-277-0473

P/N: 12599175



M90A3 STRAIGHT TELESCOPE

NSN: 1240-01-480-0292

P/N: 12984673



M187 TELESCOPE MOUNT

NSN: 1240-01-483-5324

P/N: 12984689



M137A2 PANORAMIC TELESCOPE

NSN: 1240-01-277-0472

P/N: 12984713



ALIGNMENT DEVICE M140A1

NSN: 4931-01-472-6622

P/N: 11741648-4

M110A2



M110A2 HEAVY, SELF PROPELLED HOWITZER, 8"



M137 TELESCOPE MOUNT
NSN: 1240-00-895-6492
P/N: 8587295



M115 PANORAMIC TELESCOPE
NSN: 1240-00-895-9186
P/N: 8587340

PHOTO NOT

AVAILABLE

M138 TELESCOPE MOUNT
NSN: 1240-00-896-2240
P/N: 8587500



M16A1D ELBOW TELESCOPE
NSN: 1240-00-759-7781
P/N: 7597781



ALIGNMENT DEVICE M140A1
NSN: 4931-01-472-6622
P/N: 11741648-4

M101A1



M101A1 HOWITZER



M16A1D ELBOW TELESCOPE

NSN: 1240-00-759-7781

P/N: 7597781



M23 TELESCOPE MOUNT

NSN: 1240-00-757-8441

P/N: 7578441



M12A7S PANORAMIC TELESCOPE

NSN: 1240-00-917-6433

P/N: 8213037



M21A1 TELESCOPE MOUNT

NSN: 1240-00-757-8596

P/N: 7578396



M4A1 FIRE CONTROL QUADRANT

NSN: 1290-00-674-0765

P/N: 6740765

M102



M102 LIGHT, 105MM TOWED HOWITZER



ELBOW TELESCOPE M114A1

NSN: 1240-00-150-8889

P/N: 11730285



M14 FIRE CONTROL QUADRANT

NSN: 1290-00-066-4994

P/N: 8626310



M113A1 PANORAMIC TELESCOPE

NSN: 1240-00-150-8886

P/N: 11730267



M134A1 TELESCOPE MOUNT

NSN: 1240-00-150-8890

P/N: 10553215



ALIGNMENT DEVICE M140A1

NSN: 4931-01-472-6622

P/N: 11741648-4

EFSS120MM



120MM M137 TOWED RIFLED MORTAR SYSTEM



M67A1 SIGHT UNIT
NSN: 1015-01-556-1178
P/N: SLB10821

- **M67A1 MOUNT**
NSN: 1240-01-556-1188
P/N: SLB10804

- **M67A1 ELBOW TELESCOPE**
NSN: 1240-01-556-1187
P/N: SLB10430



M45E1 BORESIGHT
NSN: 1240-00-152-3512
P/N: 10549221

120MM



120MM M120/M121 MORTAR SYSTEM



M67 SIGHT UNIT
NSN: 1240-01-366-7322
P/N: 9356182

- **M67 MOUNT**
NSN: 6650-01-340-6082
P/N: SLB10804

- **M67 ELBOW TELESCOPE**
NSN: 6650-01-341-5195
P/N: 9356181



M45E1 BORESIGHT
NSN: 1240-00-152-3512
P/N: 10549221

81MM



81MM M252 MORTAR SYSTEM



M45E1 BORESIGHT
NSN: 1240-00-152-3512
P/N: 10549221



M64 SIGHT UNIT
NSN: 1240-01-379-7953
P/N: 99360168

- **M64 MOUNT**
NSN: 1240-01-201-8299
P/N: 9360169

- **M64 ELBOW TELESCOPE**
NSN: 1240-01-211-3608
P/N: 9360257



M67 SIGHT UNIT
NSN: 1240-01-366-7322
P/N: 9356182

- **M67 MOUNT**
NSN: 6650-01-340-6082
P/N: SLB10804

- **M67 ELBOW TELESCOPE**
NSN: 6650-01-341-5195
P/N: 9356181

60MM



60MM M224 MORTAR SYSTEM

M45E1 BORESIGHT
NSN: 1240-00-152-3512
P/N: 10549221



M64 SIGHT UNIT
NSN: 1240-01-379-7953
P/N: 99360168



- **M64 MOUNT**
NSN: 1240-01-201-8299
P/N: 9360169
- **M64 ELBOW TELESCOPE**
NSN: 1240-01-211-3608
P/N: 9360257

M67 SIGHT UNIT
NSN: 1240-01-366-7322
P/N: 9356182



- **M67 MOUNT**
NSN: 6650-01-340-6082
P/N: SLB10804
- **M67 ELBOW TELESCOPE**
NSN: 6650-01-341-5195
P/N: 9356181

HANDLE & FIRING MECHANISM
NSN: 1010-01-043-2050
P/N: 11578985



RANGE INDICATOR
NSN: 5840-01-458-6159
P/N: 9360374

RANGE INDICATOR KIT
NSN: 1010-01-237-9033
P/N: 9360382

SUPPORTING EQUIPMENT FOR HOWITZERS AND MORTARS



M2A2 AIMING CIRCLE WITH EQUIPMENT

NSN: 6675-01-067-0687
P/N: 11785090



M24 TRIPOD

NSN: 1290-00-346-8184
P/N: 8242777



GUNNER'S QUADRANT M1A1

NSN: 1290-00-891-9999
P/N: 7197156



M58/M59 AIMING POST LIGHT

NSN: 1290-00-169-1934
1290-00-169-1935
P/N: 11730975/11730976



M14 AIMING POST LIGHT

NSN: 1290-01-509-2714
P/N: SLB10530/13010087



COLLIMATOR M1A2

NSN: 1240-01-465-5452
P/N: 12984644



CROSS LEVELING FIXTURE

NSN: 6650-00-652-3553
P/N: 6523553



AZIMUTH TEST FIXTURE

NSN: 4931-00-769-1596
P/N: 7691596



M3 BORESCOPE

NSN: 6650-01-063-0035
P/N: 11584701



ELEVATING MECHANISM

NSN: 1015-01-414-6269
P/N: 11580034



TRAVERSING MECHANISM

NSN: 1015-01-414-7493
P/N: 11579980

For more information or to receive a price quote,
please contact our Sales Department.

(800) 489-2282

(314) 968-2282

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www.seilerinst.com

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