XS-100B Blocks
Universal Distribution Stringing Block
Single-Conductor Capacity

KEY FEATURES

High strength, low weight.
Urethane, neoprene, polished--
groove, nylatron, or ductile--iron
sheaves.
2,500 lb. maximum working load.
Positive locking handle (a secure
spring-loaded latch and large-
ID pull-loop) on the side-gate
assembly for easy conductor clip-in
and for hot-stick operations.
High-efficiency, low-friction.
Forever Warranty™

OVERVIEW

The Sherman + Reilly XS-100B Universal Stringing Block is a light-weight, yet
exceptionally rugged, reliable, and durable distribution stringing block. Combined
with its family of associated hardware and accessories, it affords utilities and their
contractors exceptional versatility in how and where it may be deployed and in the
range of installation problems it can help solve. Its low-friction bearings render high
block efficiency, which helps to maximize stringing distances while minimizing pulling
tensions and reducing loads on stringing equipment.

The XS-100B's light weight and durability derive from the materials and methods
used to make it. The material used for the frame is “virgin” A356-T6 aluminum, which
is an aluminum alloy with very tightly controlled proportions of other materials to
assure optimum performance during manufacture and in the field. Virgin material is
material that has not been mixed with scrap material, not even with scrap of what
may have once been the same alloy. The fact that Sherman + Reilly uses “virgin”
material assures that the material is exactly and only the pure and correct alloy, and
that it has not been contaminated by impurities (notably iron) that often accompany
non-virgin material.

XS-100B frames are cast (molded) as molten metal. The properties and purity of the
A356-T6 Aluminum used by Sherman + Reilly assure that the molten metal flows
smoothly and evenly throughout the mold, assuring proper and uniform density
throughout the finished frame. Proper density and uniformity combined with the
purity and metallic properties of the alloy assure that the frame is strong but light-
weight, and assure that there are no internal voids or brittleness that could cause
sudden complete failure of the block in the field.

Cross-Arm Brackets
Cross-arm brackets are the hardware attachments to the bottom of blocks that are
used to affix blocks to cross-arms. Order your blocks with cross-arm brackets if the
blocks will be used on cross-arms (either immediately or in the future). There are
3 choices of cross-arm bracket: Fastrap Universal Cross-arm Bracket, Speedlock

Fittings
Fittings are the hardware attachments that fit into the socket connector at the top
of the blocks in order to hang the blocks from fixtures – hooks, lines, brackets,
etc. Order your blocks with fittings if the blocks will hung or suspended (either
immediately or in the future).
KEY FEATURES

Polished-groove aluminum.
Urethane-lined aluminum.
Neoprene-lined aluminum
Ductile iron.
Nylatron.

OVERVIEW

The sheaves described below are those that fit Sherman + Reilly XS-100B (and XS-200B) blocks. Each is interchangeable with any other in an XS-100B frame. All have identical 7 in. x 3 in. outside dimensions and have profiles to match their usage. All are made from the best materials for their purpose and are manufactured to render high performance, durability, and long life. All turn on low-friction, sealed, lubricated-for-life ball bearings, which render 98% efficiency and assure long-term reliability and smooth, minimum-load stringing.

**Polished Groove Sheave:** Standard (Original):
The 7” x 3” aluminum alloy sheave is a permanent mold casting that is heat treated for strength and extended life for multiple applications of conductor stringing and cable placement. The sheave has anti-friction sealed ball bearings lubricated for life under normal conditions. This sheave will provide a constant 98% efficiency during stringing to reduce the amount of force during pulling and tensioning operations.

**Neoprene Lined Sheave:** This sheave is the same profile as the polished groove above but is designed to accept semi-conductive 70 - “A” scale durometer hardness GNA type neoprene to provide abrasion resistance to the conductor while offering an excellent conductivity when stringing near or around other energized lines. This makes an excellent choice for reconductoring applications, etc.
**OVERVIEW (cont.)**

**Urethane Lined Sheave:** This sheave has the same profile as the polished groove and neoprene but has a cast-in-place polymer urethane. S+R Urethane is a polymer that has a special kind of thermo-setting characteristic. It combines in one material the resiliency of rubber and the hardness of structural plastics and possesses the additional important properties such as high load bearing capacities, resistance to impact, abrasion, compression set, ozone, oil, and many chemicals.

**Ductile Iron Sheave:** The toughest and most durable of all the sheaves is the 60-45-10 ductile iron-galvanized sheave. This sheave has the same profile as all the other 7" x 3" sizes and is totally interchangeable in any XS-100 Frame. This sheave is ideal for stringing steel static, new or reconductoring. The block weight will increase approximately 7 lb. when using the ductile iron sheave. This sheave is not recommended for aluminum conductor.

**Nylatron Sheave:** Nylatron is one of the oldest and most widely used engineered mechanical plastics. Its combination of toughness, dimensional stability, wear resistance, and versatility make it a natural choice for conductor stringing sheaves. Nylatron has performed well in replacing many metals and offers a long life. This sheave has the same profile as all the other 7" x 3" sheaves and it is also totally interchangeable with all S&R XS-100 frames.