Save time and labor costs with Sym-Ply, the imperial dimensioned, high strength gangforming system designed from the ground up to be adaptable and productive.
Designed and built in the USA, the Sym-Ply form and clamp system is faster, stronger, more adaptable and cost effective compared to traditional bolted waler gang systems.

Easy to Use, Easier to Assemble:
Sym-Ply is imperial-dimensioned meaning metric conversions are eliminated enabling faster assembly and setting of the forms. Innovative clamp design rapidly connects and aligns forms with one step using only a hammer to lock the clamp firmly in place. The system eliminates the need for walers and strongbacks on gangs under 16 feet in height. Tie holes are pre-drilled and protected with a plastic sleeve, eliminating the need for drilling on site. The system accommodates 1" up to 1¼" Taper Ties and/or She-Bolts.

- Innovative imperial system means no metric conversions are required in the field, enabling faster construction
- Sym-Ply is 100% compatible with Steel-Ply®, making it versatile and easy to use with an existing fleet — no transition fillers needed
- Engineered for 1,500 psf allowable pour pressure providing high strength in a lightweight system
- Lightweight clamps are easy to carry, quickly connected, and align panels for faster construction time
Symons all new Sym-Ply concrete forming system has been designed and manufactured to the demanding requirements of today's construction projects.

Features:
- 1,500 psf allowable pressure
- 80 ksi steel for strength and durability
- Pins directly to Steel-Ply panels, fillers, corners, hinges and pilaster forms
- Built-in Tie-Off points meet OSHA requirements for fall protection
- Weighs only 8 pounds per square foot
- 5/8" 100/30 HDO standard plywood face
- Profiled side rail allows pry bar access for adjusting gangs to the chalk line
- Clamp or bolt together for maximum versatility
- 17/16" diameter tie hole accommodates 50 kip or 15mm Taper Ties and She-Bolts
- Plywood protector sleeve plate is buttressed by the tie box for extended sleeve life
- Up to 10° batter with 50K ties
- Only 4" deep means more forms per truck
- Manufactured in the U.S.A.
- Manufactured by union workers
- Manufactured by Symons

Sym-Ply connects directly to these systems:
- Steel-Ply®
  Standard wedge bolts make the connection.
- Flex-Form® and Max-A-Form®
  The connection is made with 3/4" speed bolts and nuts.
- Space-Lift™
  T-Head Sym-Bolts and 5" walers create the connection from Sym-Ply to the Space-Lift jump system.
- Backbone™
  T-Head Sym-Bolts connect Sym-Ply directly to Backbone one-sided wall frame or through intermediate 3" channels or 5" walers.
Panels and Corners

Panel Sizes
Sym-Ply panels incorporate 4" deep, high strength 80 ksi steel encasing ⅜" 100/30 HDO plywood. The result is a light-weight, high capacity (1,500 psf allowable pressure) forming system. The profiled side rail is shaped to allow clamping and has 1⅛" diameter holes for wedge bolting directly to Steel-Ply.

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot; x 8'</td>
<td>172 lbs</td>
<td>36&quot; x 6'</td>
<td>136 lbs</td>
<td>36&quot; x 4'</td>
<td>94 lbs</td>
<td>36&quot; x 2'</td>
<td>53 lbs</td>
</tr>
<tr>
<td>30&quot; x 8'</td>
<td>155 lbs</td>
<td>30&quot; x 6'</td>
<td>118 lbs</td>
<td>30&quot; x 4'</td>
<td>85 lbs</td>
<td>30&quot; x 2'</td>
<td>50 lbs</td>
</tr>
<tr>
<td>24&quot; x 8'</td>
<td>130 lbs</td>
<td>24&quot; x 6'</td>
<td>100 lbs</td>
<td>24&quot; x 4'</td>
<td>68 lbs</td>
<td>24&quot; x 2'</td>
<td>38 lbs</td>
</tr>
<tr>
<td>18&quot; x 8'</td>
<td>114 lbs</td>
<td>18&quot; x 6'</td>
<td>86 lbs</td>
<td>18&quot; x 4'</td>
<td>58 lbs</td>
<td>18&quot; x 2'</td>
<td>32 lbs</td>
</tr>
<tr>
<td>12&quot; x 8'</td>
<td>73 lbs</td>
<td>12&quot; x 6'</td>
<td>60 lbs</td>
<td>12&quot; x 4'</td>
<td>40 lbs</td>
<td>12&quot; x 2'</td>
<td>20 lbs</td>
</tr>
<tr>
<td>6&quot; x 8'</td>
<td>51 lbs</td>
<td>6&quot; x 6'</td>
<td>39 lbs</td>
<td>6&quot; x 4'</td>
<td>26 lbs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fillers
Sym-Ply fillers are a profiled design that can be bolted directly to a siderail, or clamped into position with the Adjustable Sym-Clamp.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; x 8'</td>
<td>38 lbs</td>
</tr>
<tr>
<td>1&quot; x 8'</td>
<td>32 lbs</td>
</tr>
<tr>
<td>2&quot; x 6'</td>
<td>29 lbs</td>
</tr>
<tr>
<td>1&quot; x 6'</td>
<td>24 lbs</td>
</tr>
<tr>
<td>2&quot; x 4'</td>
<td>19 lbs</td>
</tr>
<tr>
<td>1&quot; x 4'</td>
<td>16 lbs</td>
</tr>
</tbody>
</table>

Slip Plates
Slip Plates are used to fill in a 3" to 12" gap between gangs. They are very useful for reducing the number of different sized fillers required on a project. Slip Filler Plates lap over the panels, so an indentation in the wall of ⅛" will remain in the poured wall.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>14&quot; x 8'</td>
<td>84 lbs</td>
</tr>
<tr>
<td>14&quot; x 6'</td>
<td>64 lbs</td>
</tr>
<tr>
<td>14&quot; x 4'</td>
<td>42 lbs</td>
</tr>
</tbody>
</table>

All-Steel Inside Corners
All-steel construction provides durability and eliminates re-plying.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot; x 12&quot; x 8'</td>
<td>163 lbs</td>
</tr>
<tr>
<td>12&quot; x 12&quot; x 6'</td>
<td>129 lbs</td>
</tr>
<tr>
<td>12&quot; x 12&quot; x 4'</td>
<td>87 lbs</td>
</tr>
<tr>
<td>12&quot; x 12&quot; x 2'</td>
<td>47 lbs</td>
</tr>
</tbody>
</table>

Outside Corners
Profiled outside corners facilitate quick clamp connection.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>34 lbs</td>
</tr>
<tr>
<td>6'</td>
<td>26 lbs</td>
</tr>
<tr>
<td>4'</td>
<td>17 lbs</td>
</tr>
<tr>
<td>2'</td>
<td>9 lbs</td>
</tr>
</tbody>
</table>
Steel-Ply Filler Angles
Filler angles allow custom fillers to be created on site to accommodate penetrations and unique dimensions.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>8’</td>
<td>11 lbs</td>
</tr>
<tr>
<td>6’</td>
<td>9 lbs</td>
</tr>
<tr>
<td>4’</td>
<td>5 lbs</td>
</tr>
</tbody>
</table>

Stripping Panels
Stripping Panels are made of two beveled forms that allow one to easily strip away from the other. They are useful between gangs, pilasters, or inside corners, and are used to create stripping cores.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>12” x 8’</td>
<td>136 lbs</td>
</tr>
<tr>
<td>12” x 6’</td>
<td>108 lbs</td>
</tr>
<tr>
<td>12” x 4’</td>
<td>73 lbs</td>
</tr>
</tbody>
</table>

Stripping Corners
The Sym-Ply Stripping Corners are a steel three-piece assembly which bolt together through side flanges that are biased 45 degrees relative to the form face. To facilitate stripping, the bolts are removed allowing the biased sides to slip by one another creating the required relief to strip the corners. These corners are most useful in a core application.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>12” x 12” x 8’</td>
<td>224 lbs</td>
</tr>
<tr>
<td>12” x 12” x 6’</td>
<td>167 lbs</td>
</tr>
<tr>
<td>12” x 12” x 4’</td>
<td>116 lbs</td>
</tr>
</tbody>
</table>

Sym-Ply Turnbuckle Bracket 3.2 lbs
The Sym-Ply Turnbuckle Bracket is used with the Stripping Corners and 27" Ratchet Turnbuckle in stripping core formwork. This bracket has the same spring loaded connection as other Sym-Ply Accessories so there are no loose parts.

Sym-Clamp 3 lbs
The Sym-Clamp is the lightest clamp on the market, yet is extremely durable.

4” Adjustable Sym-Clamp 4.7 lbs
Facilitates clamping plastic or lumber fillers up to 4” wide. It is the lightest adjustable clamp on the market.

Wedge Bolts 0.1 lbs
Wedge Bolts can be used for quick attachment of Steel-Ply panels, fillers, corners, filler angles and pilaster forms.

³⁄₄” Speed Bolts and Nuts 0.5 lbs
The ³⁄₄” diameter side and end rail hole accommodates ¾” bolts and nuts if a bolted connection is desired.
Clamps and Accessories

T-Head Sym-Bolt Assembly 4.0 lbs
The T-Head Sym-Bolt attaches short waler for gangs 16' and taller, or 5" waler when using the Space-Lift jump form system.

T-Head Sym-Bolt Assy. Long 4.3 lbs
This longer T-Bolt allows the use of Symons Soldier® and 8" waler with the Sym-Ply Clamp System.

Bulkhead Sym-Hook Long 3.7 lbs
Used to attach the Short Waler supporting bulkhead lumber at construction joints.

15mm x 7" Circular Tie Plate 2.2 lbs
Attaches Short Walers when used in combination with 15mm ties and the Bulkhead Sym-Bolt.

Tie Systems

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>37&quot; Taper Tie</td>
<td>10 lbs</td>
</tr>
<tr>
<td>47&quot; Taper Tie</td>
<td>13 lbs</td>
</tr>
<tr>
<td>57&quot; Taper Tie</td>
<td>16 lbs</td>
</tr>
<tr>
<td>1&quot; Contour Nut</td>
<td>1.0 lbs</td>
</tr>
<tr>
<td>1¼&quot; Contour Nut</td>
<td>0.8 lbs</td>
</tr>
<tr>
<td>Cast Bearing Washer</td>
<td>3 lbs</td>
</tr>
<tr>
<td>1&quot; Cast Contour Nut</td>
<td>1.5 lbs</td>
</tr>
<tr>
<td>1¼&quot; Cast Contour Nut</td>
<td>1.5 lbs</td>
</tr>
<tr>
<td>Batter Plate Casting</td>
<td>3.5 lbs</td>
</tr>
<tr>
<td>15mm Ties</td>
<td></td>
</tr>
<tr>
<td>41&quot; Taper Tie</td>
<td>5.1 lbs</td>
</tr>
<tr>
<td>49&quot; Taper Tie</td>
<td>6.5 lbs</td>
</tr>
<tr>
<td>57&quot; Taper Tie</td>
<td>7.9 lbs</td>
</tr>
<tr>
<td>65&quot; Taper Tie</td>
<td>9.3 lbs</td>
</tr>
<tr>
<td>15mm x 7&quot; Circular Tie Plate</td>
<td>5.2 lbs</td>
</tr>
</tbody>
</table>

Sym-Walers
The Sym-Walers stiffen gangs, support slip plates, and provide bulkhead support. They come in lengths of 5', 10' and 13'.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>5'</td>
<td>43 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>86 lbs</td>
</tr>
<tr>
<td>13'</td>
<td>112 lbs</td>
</tr>
</tbody>
</table>

Top Tie Bracket 4.3 lbs
Used for ties over the top of the form or behind bulkhead lumber.
Lift Bracket 7.5 lbs
Unique design straddles the tie boxes or crossmembers. The 2,000 pound capacity means that two brackets will typically lift a 400 square foot gang.

Walkway Bracket 13.7 lbs
The Walkway Bracket accommodates three 2" x 10" lumber planks. It has a capacity of 500 lbs at a 4:1 safety factor, and can be spaced up to 8' on center. The connecting hardware is fully integrated so there is no loose hardware.

Guardrail Post 9.9 lbs
Strong steel pipe that slides into the end pocket of the Walkway Bracket. The guardrail post facilitates guardrail lumber attachment.

Fall Forward Bracket 4.7 lbs
The Fall Forward Bracket is designed to provide guardrail protection on the side of the wall opposite from the walkways. It can be used when the Walkway Brackets are located less than 42" from the top of the form. It features the same integrated hardware as the Walkway Bracket. The guardrail post pocket is angled at 15° to avoid interference when placing concrete by bucket.

Aligner Bracket 3.3 lbs
Provides an attachment point for Pipe Form Aligners or Pier Cap Braces. The bracket design allows attachment to the panel crossmembers without any loose hardware.

Sym-Ply Tie-Off Bracket 1.8 lbs
The Sym-Ply Tie-Off Bracket meets OSHA requirements for fall protection. The connecting hardware is fully integrated so there is no loose hardware. The bracket can be placed during gang assembly and the spring loaded connection allows it to be moved quickly and easily if required.

For more information on all Symons forming systems visit www.daytonsuperior.com/forming or call 1-800-800-7966.
DAYTON SUPERIOR BRANDS

CONCRETE ACCESSORIES
Accubrace®
Aztec®
Bar Lock®
Corewall®
Fleet-Lift™
Swift Lift®
Taper-Lock®

CONSTRUCTION CHEMICALS
Unitex®

FORMING PRODUCTS
Symons®
Max-A-Form®
Steel-Ply®
Sym-Ply®

DAYTON SUPERIOR PRODUCTS

BRIDGE DECK FORMING
Adjustable Joist Hangers
Bridge Overhang Brackets
Haunch and Fillet Forming
Pres-Steel, Coil Rod and Con-Beam Hangers
Screed Supports

CHEMICALS
Bond Breakers
Cleaners / Strippers
Concrete Repair/Restoration
Curing Compounds / Sealers
Epoxy
Floor Levelers
Form Release Agents
Grout
Hardeners / Industrial Toppings
Liquid Densifiers
Surface Retarders

FORMING AND SHORING
Aluminum Shoring
Ganged Formwork
Garage Beam System
Handset Formwork
Highway Forms
Jump Forms
Modular Deck Shoring
One Sided Frames
Self Spanning Forms
Steel Frame Shoring

FORMLINERS
ABS Plastic
Polystyrene Plastic
Precision Cut Foam
Solid Urethane
Urethane-Skinned Foam

PAVING
Dowel Bar Expansion Caps
Dowel Bar Retrofit System
Elastomeric and Hot Pour Joint Seal
Metal Keyway Form Systems
Tie Bar Assemblies
Transverse Bar Assemblies
Welded Dowel Assemblies
Wire Baskets without Dowels

PRECAST
Anchors and Lift Systems
Coil / Ferrule Inserts
Core Plugs
Magnets
Precast Forms
Rustications/Chamfers
Sandwich Panel Connector
Shear Connectors
Slotted Inserts

REBAR SPlicing
Forged Dowel Bar Couplers
Lockshear Bolt Couplers
Shear Resistance Products
Straight Thread Couplers
Taper Thread Couplers

REBAR SUPPORTS
Concrete Dobies
Continuous Plastic and Steel Bar Supports
Individual Plastic and Steel Bar Supports
Mesh Chairs
Paving Chairs
Side Form Spacers

TIES AND ACCESSORIES
Modular Form Ties
Single Waler System
Ties and Accessories

TILT-UP
Braces and Brace Anchors
Helical Ground Anchors
Setting Plugs
Strongback System
Tilt-Up Anchors and Lifting Systems

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FORMING PRODUCTS
Customer Service: 800-800-7966
Technical Assistance: 877-266-7732
info@symons.com

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