With over 30 years of experience in the design, manufacture, and installation of sidewall belts, Beltwall provides unparalleled service in fulfilling your material handling needs.

Each system is evaluated by Beltwall’s engineering department in order to provide the lowest cost per ton conveyed. Services include:

- Initial layout design
- Belt specification and engineering calculations
- Top of foundation budget cost studies
- Startup support and follow-up inspections

Beltwall systems offer several advantages over conventional conveyors:

- Lower capital cost
- Better space utilization
- Lower maintenance cost
- Flexible conveyor configurations
- Reduce number of transfer points
- Reduced power requirements

Beltwall belts carry material in any plane from horizontal to vertical. The most common profiles are straight incline, “L” and “S” shapes.
Typical Industries
- Cement
- Forrest Products
- Mining
- Power
- Recycling
- Steel/Aluminum
- Tunneling
- Waste Water Treatment

Typical Materials
- Agricultural/Grains
- Alloys
- Clinker
- Coal/Pet Coke/Biomass
- Copper/Nickel
- Cullet
- Fertilizer/Urea
- Gypsum
- HBI/DRI Pellets
- Limestone/Lime
- Metal Scrap
- Salt
- Sand/Gravel
- Slag
- Steel Grinding Balls
- Tunnel Muck
BELTWALL Components
Sidewall, Cleats, and Basebelts

Each belt consists of two sidewalls bonded to a cross-rigid base belt. Cleats are vulcanized onto the base belt between the walls for steep angle material handling. The sidewalls can be recessed for clearance and belt support through bend sections.

Beltwall Sidewalls
- Offered in a variety of compounds including Black Standard, Oil Resistant, Heat Resistant, Flame Retardant, and White FDA.
- Heights range from 1” (25mm) to 16” (406mm).
- All sidewalls are impregnated with microscopic fibers to maximize resistance to cuts.
- Heights 6” (152mm) and above are reinforced with a specially woven fabric ply.

Beltwall Cleats
- Three distinct profiles are offered to optimize capacity at any angle.
- All cleats are hot vulcanized onto the base belt providing the strongest possible bond.
- Cleats 5.5” (140mm) and taller are a two part construction consisting of a urethane cleat blade bolted into a rubber cleat base vulcanized onto the base belt.

Beltwall Cross Rigid Base Belt
- Rubber covers are offered in a variety of compounds, abrasion resistance grades, and gauges.
- The base belt consists of two cross rigid plies for maximum lateral stability. This allows the belt to be deflected from the horizontal to an incline/decline and to be supported by stub idlers on the return path without sagging.
- Unique construction allows use of fabric cross rigid belts where other manufacturers must use steel cable belts.
- Steel Cable cross rigid belts (below) are available for high tension applications.
## Beltwall Components

### Sidewalls

*Heights 6" and above are fabric reinforced*

<table>
<thead>
<tr>
<th>Height</th>
<th>1&quot; 25 mm</th>
<th>1.5&quot; 38 mm</th>
<th>2&quot; 51 mm</th>
<th>2.5&quot; 64 mm</th>
<th>3&quot; 76 mm</th>
<th>4&quot; 102 mm</th>
<th>5&quot; 127 mm</th>
<th>6&quot; 152 mm</th>
<th>8&quot; 203 mm</th>
<th>10&quot; 254 mm</th>
<th>12&quot; 305 mm</th>
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<td>2.5&quot; 64 mm</td>
<td>3.5&quot; 89 mm</td>
<td>4.5&quot; 114 mm</td>
<td>5.5&quot; 140 mm</td>
<td>7.5&quot; 190 mm</td>
<td>9.5&quot; 241 mm</td>
<td>11.25&quot; 285 mm</td>
<td>15.25&quot; 387 mm</td>
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Any intermediate size sidewall or cleat is available upon request.

### Cross Rigid Belting

<table>
<thead>
<tr>
<th>Capas</th>
<th>Tension PIW</th>
<th>Rating N/mm</th>
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<tbody>
<tr>
<td>BWX 1522</td>
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<td>150</td>
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<tr>
<td>BWX 2222</td>
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<td>BWX 4442</td>
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<td>440</td>
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<td>BWX 5552</td>
<td>7</td>
<td>550</td>
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</table>

**Black Heat Resistant Covers - 3/16" x 1/16"** Special covers available upon request.

### Rubber Compounds

- Black Standard
- Black Oil Resistant
- Black Super Oil Resistant
- Black Heat Resistant
- Black Static Conductive
- Black Flame Retardant
- White Oil & Fat Resistant (FDA)

*5.5" cleats available in hot molded rubber or 2 piece urethane construction*

*(B) Optional two-bolt attachment of cleats to sidewalls*
Order Information Data

The completion of the following charts will normally provide all the information necessary to select the proper Beltwall belting for a specific application.

Customer: __________________________
Address: __________________________
City/State/Zip: ______________________

Contact: ____________________________
Phone: ______________________________
Fax: ________________________________
Email: ______________________________

**DESIGN INFORMATION — ALL BELTS**

Material: ____________________________
Required Capacity: ________________ STPH (MPH)
Density: _____________________________ lbs./ft.3 (T/M3)
Angle of Surcharge: ________________ °
Lump Size: Min. __________ Max. __________

Max. Temperature: ___________________
Oily Condition? □ Yes □ No
Moisture? ________________ %
Belt Width Preference? ______________ in (mm)
Belt Speed Preference? ______________ ft/min (m/s)

**CONFIGURATION**

**EXISTING BELT**

Belt Length ______________
Belt Width (BW) __________
Sidewall Height (H) __________
Sidewall Recess (R) __________
Sidewall Width (SW) __________
Effective Width (EW) __________
Belt Speed ______________
Belt Type ______________
Covers ______________
Cleat Height (C) ______________
Cleat Type ______________
Cleat Spacing ______________
Pulley Dia. ______________
End Prep. ______________

All Sales are subject to Beltservice’s/Beltwall’s standard terms of sale contained in its invoices, copies of which will be Provided upon request. Your order will be deemed an acceptance of those terms.

**Complete and Fax to (314) 344-8511 or email to beltwall@beltservice.com**