

BELT-WINDING CORES

Strong.
Precise.
Reliable.
Best.



Since 1955, Souhegan Wood Products

has been a global leader in the production and distribution of belt-winding cores. Also known as extruded shells, our rugged cores provide unrivaled strength and internal support for industrial belt winding.

- Our compressed wood particle cores are more sturdy than those made from traditional lumber, which are vulnerable to pressure that splits the wood along a directional grain.
- SWP cores have tremendous crush strength and high impact resistance that can stand up to the rigors of sustained use.
- They're simple to implement – cores are lightweight, easily cut to desired lengths, and materials can be quickly attached and wound at high speeds.

For more information or to request a quote, please visit us at www.souheganwood.com or call (603) 654-2311.

STANDARD CORE

For over 50 years, our standard belt-winding core has been the strong, reliable backbone of industries around the globe.



PAPER-WOUND CORE

For added hoop and beam strength, our newest option starts with our standard core, which is wound in a paper sheath to create a lightweight core that is ideal for heavy-weight applications.



STAVED CORE

Our patented staved core option provides greater axial compressive and beam strength for extremely demanding situations. We laminate custom-cut softwood staves onto our standard core and band the ends for enhanced durability.



BELT-WINDING CORE SPECIFICATIONS

STANDARD CORE

OUTSIDE DIAMETER		SQUARE INSIDE DIMENSION		SAFE WORKING LOAD (BASED ON CORE LENGTH)	
5"	12.70 cm	2.25"	5.72 cm	45 lb/in	8.04 kg/cm
6"	15.24 cm	3.25"	8.26 cm	35 lb/in	6.25 kg/cm
7"	17.78 cm	3.25"	8.26 cm	60 lb/in	10.71 kg/cm
8"	20.32 cm	4.25"	10.80 cm	50 lb/in	8.93 kg/cm
10"	25.40 cm	4.25"	10.80 cm	100 lb/in	17.86 kg/cm
12"	30.48 cm	6.25"	15.88 cm	79 lb/in	14.11 kg/cm

PAPER-WOUND CORE

OUTSIDE DIAMETER		SQUARE INSIDE DIMENSION		SAFE WORKING LOAD (BASED ON CORE LENGTH)	
5.5"	13.97cm	2.25"	5.72cm	70lb/in	12.50kg/cm
6.5"	16.51cm	3.25"	8.26cm	57lb/in	10.18kg/cm
7.5"	19.05cm	3.25"	8.26cm	87lb/in	15.54kg/cm
10.5"	26.67cm	4.25"	10.80cm	135lb/in	24.11kg/cm

STAVED CORE

OUTSIDE DIAMETER		SQUARE INSIDE DIMENSION		SAFE WORKING LOAD (BASED ON CORE LENGTH)	
8.5"	21.59 cm	3.25"	8.26 cm	156 lb/in	27.86 kg/cm
9.5"	24.13 cm	4.25"	10.80 cm	140 lb/in	25.00 kg/cm
11.5"	29.21 cm	4.25"	10.80 cm	220 lb/in	39.29 kg/cm
13.5"	34.29 cm	6.25"	15.88 cm	186 lb/in	33.22 kg/cm

Note: These are suggested safe working loads. It is strongly recommended that customers do further testing under their in-plant conditions to ensure optimal performance. The safe working loads shown above are not intended to account for winding bar induced torsional shock loads imposed by sudden acceleration or deceleration.

Don't see the size you're looking for? Our engineers can also custom design and manufacture cores to meet specific-use demands (e.g., round holes, variable lengths).



We keep our warehouses stocked with an extensive inventory and can often ship the same day an order is received.



A long-time member of the National Industrial Belting Association, SWP understands the belt-winding process better than any other core supplier.

Souhegan Wood Products is a family-owned and operated manufacturer based in New England. For four generations, our patented manufacturing process has combined graded, recycled wood particles with high-strength, thermosetting resins to create a range of pressed-wood products. SWP engineers continually test, inspect, and improve everything we produce, making ours the most innovative and rugged goods on the market.

Because we only use reclaimed sawdust that comes from other wood industries, we're not only reducing impact on limited raw materials, but we're also eliminating landfill waste – a commitment to sustainability that helps customers reach their corporate environmental goals. To learn more about SWP, please visit us at www.souheganwood.com.

Souhegan WOOD PRODUCTS