When calculating horsepower, use charts at right to determine proper shaft and pulley diameter. This will ensure that the pulley and shaft selected will be of the proper size (diameter) to adequately handle the loading and effective belt pull on the unit.

In Table I, use the 180° arc of contact for end drives and 210° for center drives. Multiply the figure shown by the belt width to find the effective belt pull of a pulley.

Once the proper pulley diameter is known, the diameter of the shaft must be determined. Table II specifies effective belt pull ratings for various diameter shafts at selected pulley face width.

*On zero pressure accumulators, only 1/2 of total live load should be used since only 1/2 of load should be in motion at any given time with conveyor design (does NOT apply to Smart Zone® models).

**See weight charts opposite page.

@See slat and chain weight chart opposite page (slat and chain weight applies only to slat conveyor).

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