

Air Shafts and Safety Chucks

Air Shafts and Safety Chucks - Daven produces a full line of equipment for the Converting Industry, including air shafts, air chucks, safety chucks, bowed spreader rolls, trim winders and idler rolls.

You'll find all the industry's standard designs as well as custom units. Each product is engineered, manufactured and tailored to each customer's individual needs with one goal in mind: to deliver the exact product to best satisfy your requirements.

We offer a full range of shafts and chucks for converting and web production operations. Our products offer rugged construction and design is available for any diameter or length, in steel, aluminum or extra-light aluminum and lightweight carbon, with special designs available for heavy duty and extra lightweight applications.

Shaft weights for your specific application are available upon request.

We manufacture to your specifications to suit your equipment, including standard, cantilevered or custom designs.

Expands instantaneously for fast roll mounting.

Maximum gripping capability.

Grips cores securely without core or roll damage.

Maximum anti-deflection.

Maximum load carrying capability.

Used for unwinding or rewind positions.

Manual or automatic rotary union air supply.

Positive collapse for quick roll removal.

Reliable performance.

Manufactured to your specifications to suit your equipment.

Air Expanding Chucks

Instant gripping expansion and release.

Grips securely without core damage.

Optional air valve placement.

Removable core stop available.

Split clamp or set screw to secure chuck.

Lightweight.

Custom sizes available.

Daven

air expanding chucks are available in leaf, lug, button and element design for all sizes and can be used for shaft or shaftless operations. The expanding element is located internally, offering full protection from manhandling or sharp objects. The air expanding chuck can be used in conjunction with Daven's solid support chuck. Custom sizes (inch and metric) are available. Optional rubber surface chucks are available for larger diameters up to and including 36"

Safety Chucks - Light Duty, Medium to Heavy Duty

Easy to use.

Heavy duty construction.

Safe and efficient operation.

Maintenance free.

Use for all unwind and rewind operations.

Foot and flange mount available.

Fits inch and metric squares.

Positive drive and tension control.

Fast loading and unloading of shafts.

Replaceable hardened socket

The Daven Safety Chuck is a safe, fast loading, rugged shaft support and drive that can be used on all converting equipment. The heavy duty construction allows for many years of safe, problem free use.

Both the foot and flange mount chuck designs will suit all drive systems. The chuck insures safe operation once a shaft is locked into place. The chuck will only open when the drive square is in the upright position. The square chuck sockets are available in both inch and metric sizes.

Bowed Spreader Rolls

Precision spreading and wrinkle removal.

Non-corrosive component parts.

Ground ball bearings for low torque and free turning.

Precision bowed shafts.

Quality rubber covering.

Optional custom drives.

Customized for your requirements.

Precision slit separation.

Daven

Bowed Spreader rolls, manufactured with the highest standards and quality, keep webs trouble-free under all conditions. Rolls can be customized for your requirements for dry, wet or high temperature applications. All standard and custom diameter and lengths are available. Mountings are available in standard foot mount or side mount brackets. Daven Bowed Spreader rolls are guaranteed for one year against material and workmanship defects.

Carbon Composite Expanding Shafts and Idler Rolls

Maximum shaft strength and low shaft weight.

75% lighter than steel shafts.

50% lighter than aluminum shafts.

Supports heavy load capacities.

Minimizes shaft deflection and vibrations.

Low inertia offers faster machine speeds.

High stiffness to weight relation.

Fiberglass, aluminum or steel protective surfaces available.

Manufactured to your specifications to suit your equipment.

As an alternative to conventional steel and aluminum bodied shafts, Daven offers expanding shafts, support shafts and idlers constructed of lightweight carbon composite suitable for a full line of converting web producing operations.

Each shaft and idler is designed and manufactured of the highest quality aerospace composites to provide the right combination of shaft strength, rigidity, and weight for your operations.

Its rugged construction and design is available for any diameter or length with particular emphasis on converting applications demanding heavy load carrying capabilities while lightweight for easy handling.

Portable Winder

Easy to use

Heavy duty construction

Maintenance free

Pneumatic drive

Variable speed and torque capacity

Core or coreless winding

Mount on or off machine

Positive drive and tension control

The

Daven Winder is a safe, efficient method of winding any web including edge trim. Its rugged construction and efficient winding can be used on all converting equipment. The winder's simple design allows its winding speed to follow the line speed of the material. Its pneumatic drive system without gears or clutches allows for infinite stop-go or stalled motion.

Parts and Service

Keep your return-on-shaft investment with a Daven or any other brand shaft. Don't let damaged or worn shafts reduce your production efficiencies or product quality. Daven can refurbish your old shafts to like new condition. Large or small your rebuilt shafts will run better and will cost less than a complete new shaft.

Bladder repairs

Journal repairs or replacement

Rebuild bearings and shaft support surfaces

Shaft straightening

Shaft body rebuilding

Fast turn around