

# Future of **Converting**

[www.sthillconverting.com](http://www.sthillconverting.com)



Say Hello to the  
**STHILL TEAM**







## About us

Our founder, who has a manufacturing background of more than 30 years, introduced the **STHILL** brand he founded in 2006 to the packaging machinery industry with the knowledge, experience and innovative perspective he gained.

**STHILL** Converting Equipments started its journey manufacturing friction rings and in a short time became a link in the supply chain of OEM companies, attracting the attention of the industry giants thanks to the quality, aesthetics and performance of its products. In response to incoming inquiries, it began producing complete friction shafts, expanding shafts, safety chuck, knife shafts, shaftless chucks and adaptors.

**STHILL**, which supplies 85% of its total production to OEM companies, has grown into the largest manufacturer in Turkey and strengthened its position among the industry leaders with its exports to more than 50 countries and grew into a global brand.

**STHILL** attaches great importance to quality, high precision, occupational safety and sustainability in all developments. Accordingly, it develops products with extended lifespan that require less downtime and maintenance. So far it has patents on friction rings, shaftless chucks and safety chucks.

# INTEGRATED PRODUCTION



Research & Development



Quality



Design



Assembly



Production



Warehouse



Coating



Packaging



Sandblasting



Sales and Marketing Team



# PRODUCTS



STHILL Ring



Friction Shaft



Knife Shaft



STHILL Core Chuck



Expanding Shaft



Adaptors



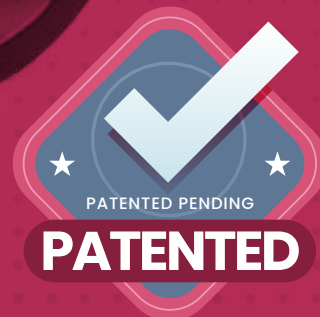
# NEW DESIGN

## Defying Gravity

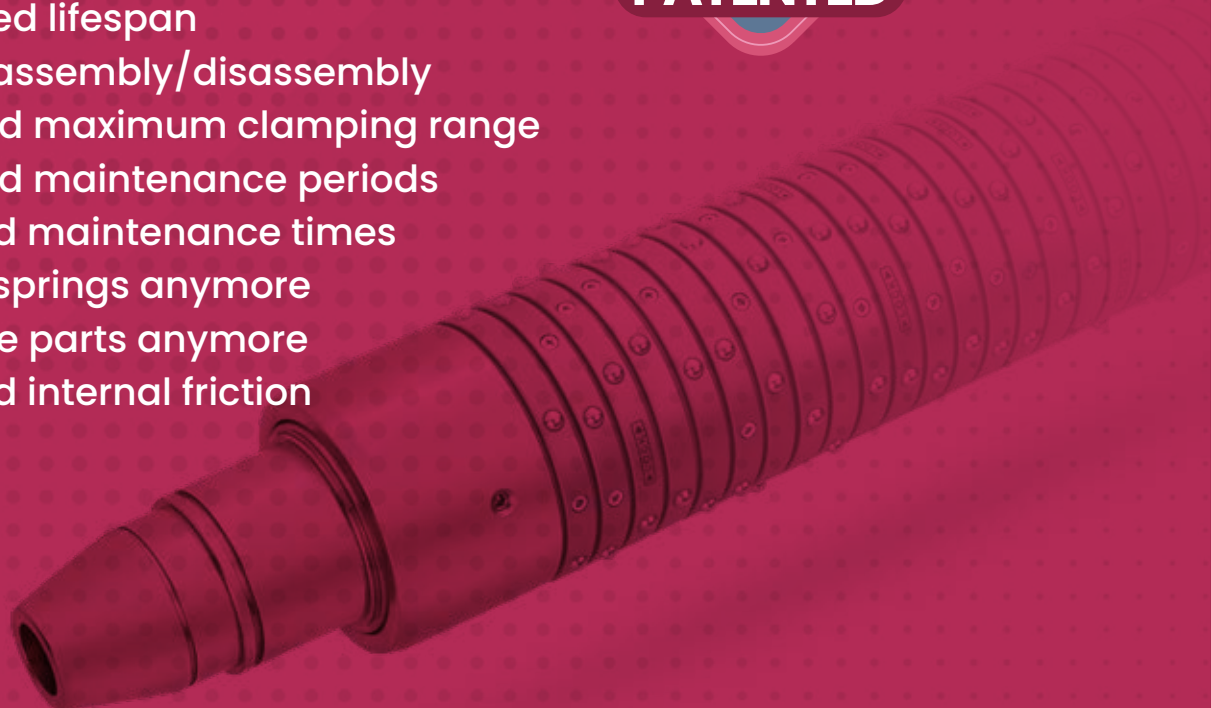
**90%**  
LESS  
MAINTENANCE  
TIME



Say Goodbye  
to **LEAF SPRINGS**



- ✓ Increased lifespan
- ✓ Simple assembly/disassembly
- ✓ Extended maximum clamping range
- ✓ Extended maintenance periods
- ✓ Reduced maintenance times
- ✓ No leaf springs anymore
- ✓ No spare parts anymore
- ✓ Reduced internal friction



# STHILL Ring



- Available in diameters ranging from 1" to 12"
- Various width and bore sizes available
- Made of Steel or aluminum materials
- Manual and automatic activation options
- Custom-made solutions possible
- Suitable for use in cardboard, plastic, steel, and aluminum cores
- Suitable for both uni-directional and bi-directional winding operations
- Compatible with machines that have automatic loading and unloading function
- Due to reduced internal friction, it is suitable for use in very low-tension applications as well.
- All special functions implemented just by adding/removing spiral/round wire springs in the inner ring



# Friction Shaft



## Technical Details

- Suitable for core diameters from 50 to 305 mm Shaft
- body diameters from 40 to 250 mm
- Hard chromeplated shaft body
- Nickel plated shaft ends and bladder grooves Fixed
- friction pads

## Shaft Ends

- As flange, round, square, trigonal journal,
- or according to customer demand
- Optional hardening





# Knife Shaft

Pneumatically operating knife shaft, suitable for manual or automated set up of circular knives.

Hardchrome plated shaft body, with electroless nickel plated bladder grooves and journals.



- Pneumatically operating
- Hardchrome (42CrMo4) plated shaft body
- Can be used for circular knives
- Easy to maintain
- Suitable for manual or automated knife set up

# STHILL Core Chucks

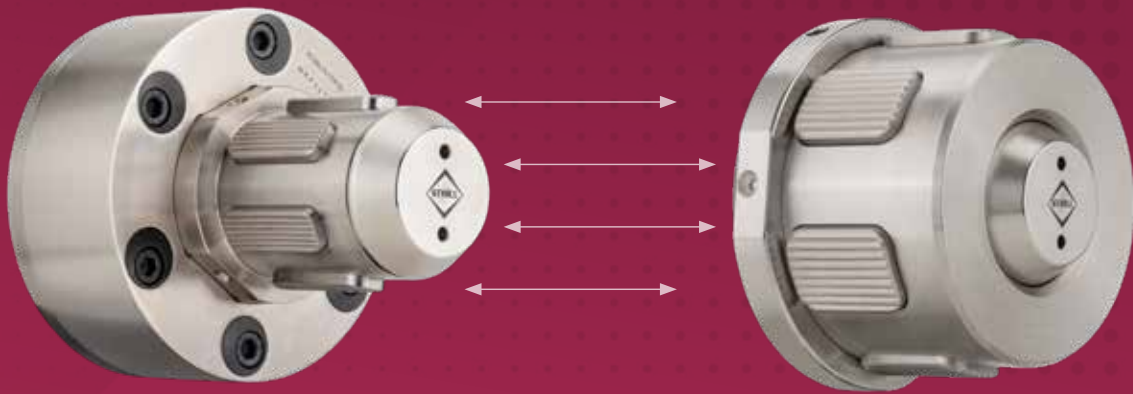


- Core Diameters from 70 mm to 500 mm
  - One-bolt fixed mechanical adapter allows for quick and secure adjustment to a larger core diameter
  - Maintenance without dismantling chuck from machine
  - Quick and easy adaptor change
  - Variable pitch circle diameter,
  - Reduced costs and lead times due to modular design
  - Low maintenance due to prevention of dust ingress and lubricant leakage •Hardened steel lugs, rubber lugs optional
- 
- Pneumo-mechanical (air expanding)
  - Mechano-pneumatical (spring-force expanding)
  - Pneumo-mechanical step-design (air expanding)
  - Torque-activated
  - Torque-activated step-design
  - Side-force activated

## **Side-Force Activated Core Chuck**

The lugs are kept at the minimum diameter with the help of springforce, and are clamped and unclamped by the lateral movement of the machine arms.





### **Pneumo-Mechanical Core Chuck (Air Expanding)**

The lugs are kept at the minimum diameter with the help of spring-force, and clamp the cores by the movement of a piston that is activated by compressed air, whereas the unclamping is done by a spring that moves the piston in reverse direction, when the compressed air released off the system.

### **Mechano-Pneumactical Core Chuck (Spring-force Expanding)**

The lugs are kept at the minimum diameter with the help of spring-force. In order to insert the chuck into the core, air pressure is applied to a piston that moves the lugs to the minimum diameter. Then the air is released off the system so the lugs can center and clamp the core.

### **Pneumo-Mechanical Step-Design Core Chuck (Air Expanding)**

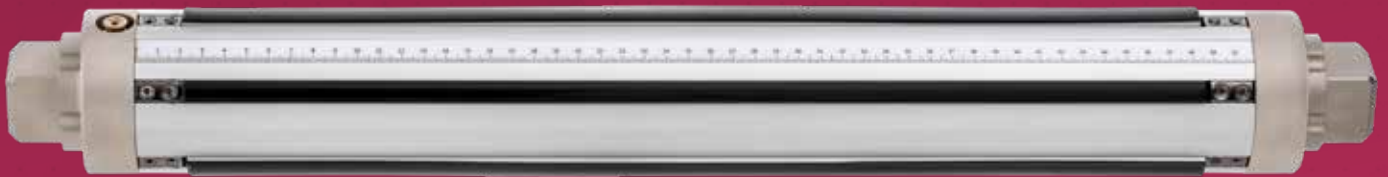
The lugs are kept at the minimum diameter with the help of spring-force, and clamp the cores by the movement of a piston that is activated by compressed air, whereas the unclamping is done by the spring that moves the piston in reverse direction, when the compressed air released off the system.

### **Torque-Activated Core Chuck / Torque-Activated Step-Design Chuck**

The lugs are kept at the minimum diameter with the help of spring-force.

The movement of the roll in either direction activates the lugs to center and clamp the cores

# Expanding Shaft



1 "to 20" in diameter

Up to 6000 mm in length

Suitable for cores made of cardboard, plastic, steel and aluminum

Custom made journals

Light, medium, and heavy-duty applications

One-bolt fixed mechanical adapter allows for quick and secure adjustment to a larger core diameter



# Expanding Shaft



# Expanding Adaptors



Multibladder Adaptors, which are used for winding on cores made of cardboard and other materials, offer an economical solution, that allows for an existing winding shaft to be adjusted within seconds to a larger core diameter and thus saves you the purchase of a larger winding shaft. The adaptors are fixed by inflating the carrier shaft and with optional clamps.



- Continuous aluminum ledges or segmented rubber ledges
- The optional pneumatic connection between adaptors
- Adaptor body in lightweight aluminum construction
- Special sizes on customer request





**Excellent products**  
go through excellent  
processes

# REYMAK



Sthill Converting Equipment  
is a brand of REYMAK

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