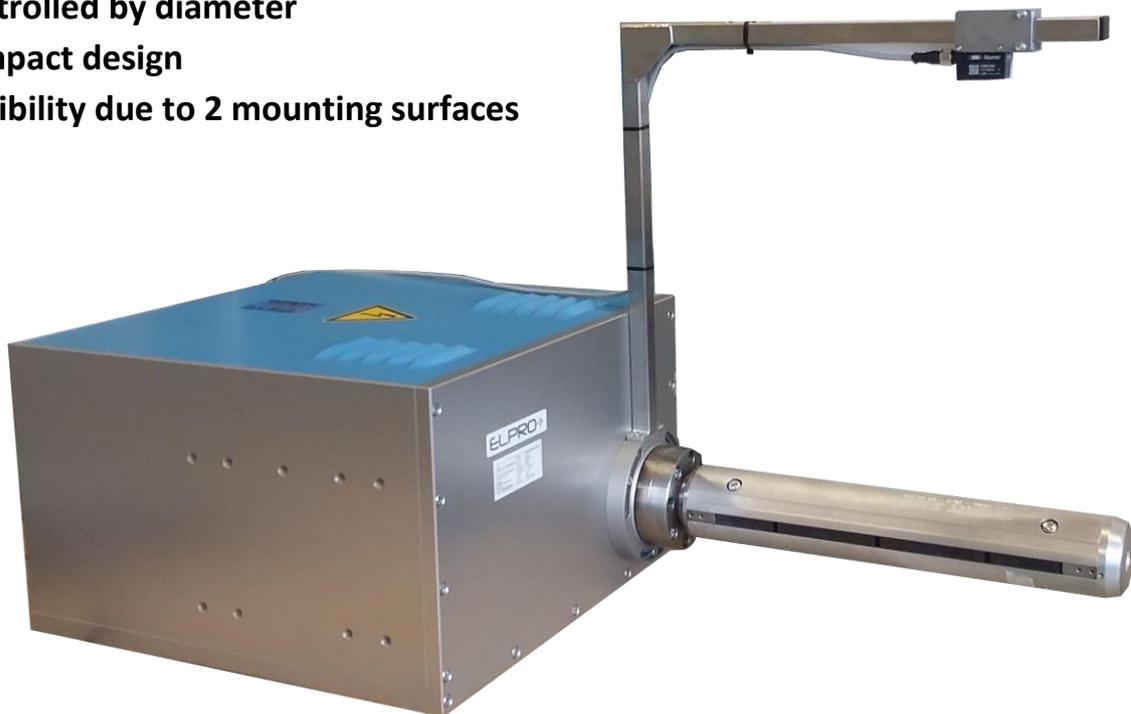


SAW Winding Device

Series SAW-3G

Ideal as add-on unit for printing and packaging lines - or as stand-alone winder

- ⇒ Unwind and rewind operation
- ⇒ Mount and go
- ⇒ Suitable for a wide range of materials
- ⇒ For sensitive web tension
- ⇒ Controlled by diameter
- ⇒ Compact design
- ⇒ Flexibility due to 2 mounting surfaces



Applications

- ⇒ Laminate infeed and outfeed
- ⇒ Die cut grid rewinder
- ⇒ Removing silicone cover material
- ⇒ Embossing foil infeed and outfeed
- ⇒ Many other possibilities

Winding Device: Range SAW

The **winding device SAW-3Gx** is a compact subassembly aggregate. It is ready for use as delivered and matches today's requirements of diverse winding purposes.

Your advantages:

- ⇒ Compact dimensions facilitate an easy and universal mounting (electronics are integrated)
- ⇒ Convenient for unwinding and rewinding
- ⇒ Very low winding forces possible
- ⇒ Perfect for a variety of materials, such as paper, foils and textile materials

Enhancement of productivity

An integrated controlling guarantees constant web tension while winding.

The ramp-up/ramp-down characteristics are significantly improved as compared to other systems.

The integrated friction-compensation minimizes the web tension failure.

Features

- ⇒ Solid casing made of anodized aluminum
- ⇒ Easy and flexible mounting due to mounting threads on two sides
- ⇒ Prearrangement for controlled side adjustment
- ⇒ Both rolling directions possible
- ⇒ Pneumatic expansion-shaft with remote control
- ⇒ Potential-free contact for limit switching
- ⇒ Controlled winding-force characteristic (web tension decreasing with increasing diameter)
- ⇒ Standardized signal for line speed (2x24V HTL)
- ⇒ Maintenance-free

Winding shaft

The winding shafts are easy to change due to standard interface flange on the drive shaft.

The supply of the pneumatic bracing expansion-shafts is realized with a rotary valve, which is operated from the control-panel.

Winding force

A synchronous motor combined with a digital controller allows sensitive re- and unwinding forces. The diameter sensor keeps the tension constant for the whole winding process.

If line speed is available, a diameter-calculator can control the winding-force.

In this case the sensor is omitted.

Operation

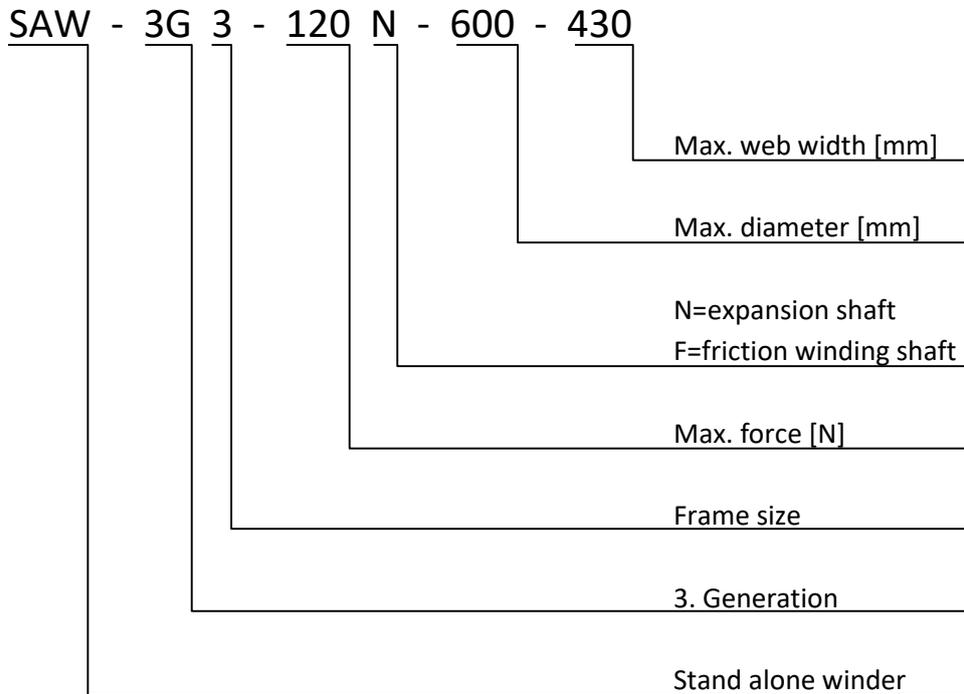
The SAW unit is operated via Touch Panel HMI with 4 keys. Variable mounting is possible due to the pluggable HMI.

Options

- ⇒ Pneumatic winding shafts with external clamping bars
- ⇒ Pneumatic winding shafts with optimal radial runout
- ⇒ Friction winding shaft
- ⇒ Rotary encoder (sensorless diameter calculator)
- ⇒ Actuator drive for web guide controller
- ⇒ Controlling via external web tension measuring roller
- ⇒ Wheel encoder
- ⇒ Dancer unit for intermittent line feed
- ⇒ Special design for clean environments possible (e.g. food industry)

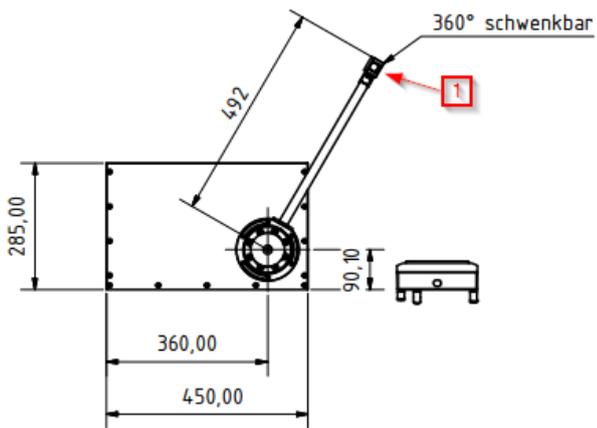
Technical Specification		
Frame Size	SAW-3G2	SAW-3G3
Voltage	3x400VAC	
Power	1.3kW	1.8kW
Air Pressure	6bar/87ps	
Max. Web Width	430mm	570mm
Max. Roll Diameter	600mm*	
Max. Roll Weight	125kg	215kg
Max. Web Tension	92N	120N
Direction of Rotation	Switchable	
Max. Web Speed	200m/min	
Winding Shaft Diameter	76mm (3") *	

SAW Winding Device Order Code

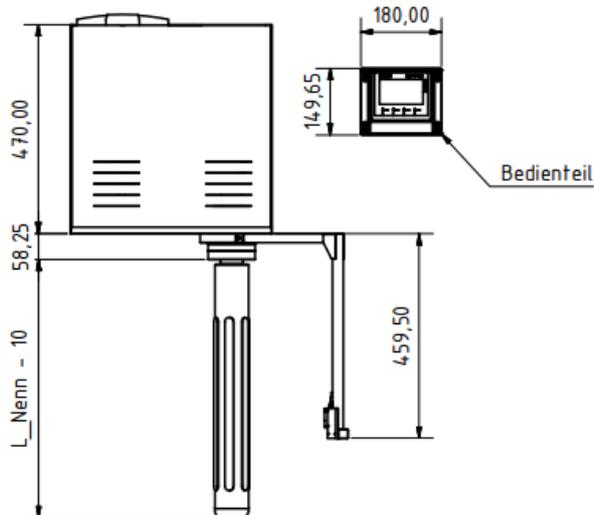
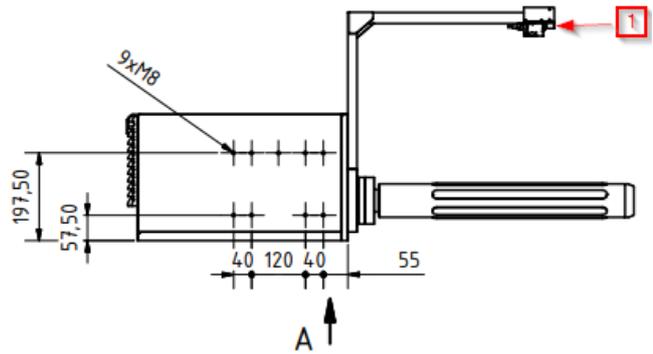


SAW-3G... 2021

Type	Max. Tension [N]	Winding Shaft Type	Maximum Diameter [mm]	Web Width [mm]
SAW-3G2-90N-600-330	90	Expansion	600	330
SAW-3G2-90N-600-430	90	Expansion	600	430
SAW-3G3-120N-600-430	120	Expansion	600	430
SAW-3G3-120N-600-570	120	Expansion	600	570
SAW-3G2-83F-650-330	83	Friction	650	330
SAW-3G2-83F-650-430	83	Friction	650	430
SAW-3G3-110F-650-570	110	Friction	650	570
Mounting kit for Gallus RCS [®]	-	-	-	-



Montagepunkte



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