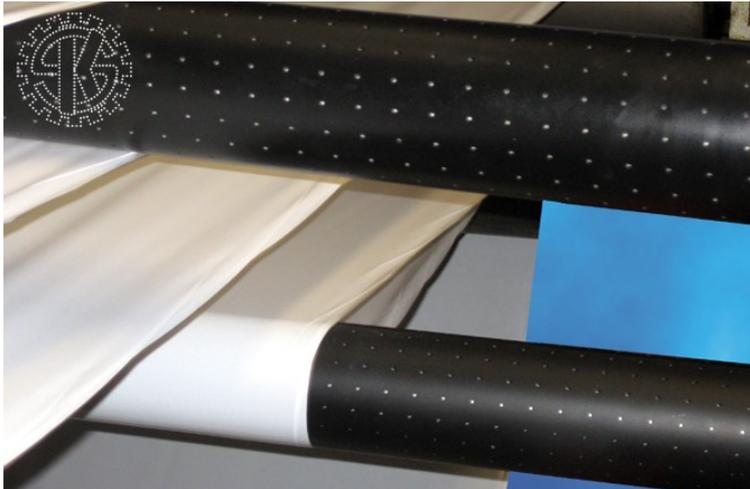




*The SK-Machinery® Anti-Wrinkle Multi-Purpose Turning Bar is a reversing bar system designed for contact-free web handling of extremely adhesive, dull and/or thin film.*

*The cutting-edge design results in a wrinkle-free handling and transportation of the film to the winder application. We provide Air Turning Bars for any existing GBR (Gauge Band Randomizer) or HFO (Horizontal Film Oscillating unit) applications.*



### DESCRIPTION

The patented Air Turning Bars allows even the stickiest film to pass over them without hang-ups. The bars come in sizes/widths from 24 inches (610 mm) to 144 inches (3660 mm).

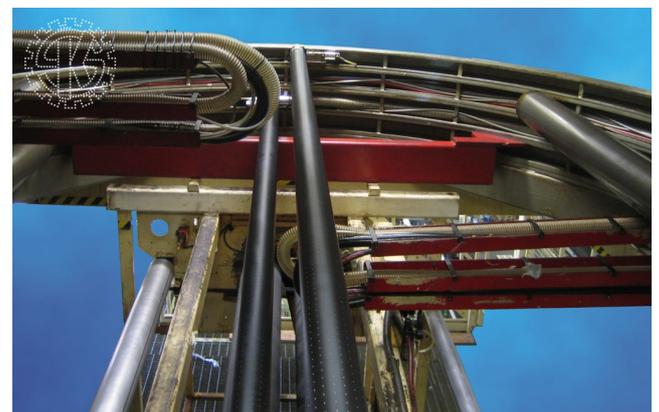
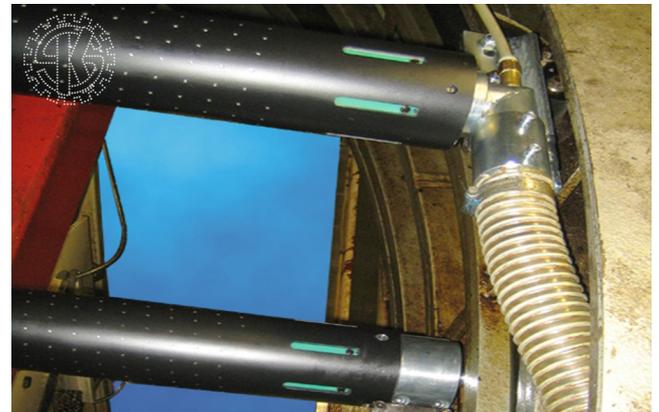
The design makes it possible to fit the Air Turning Bar to any existing oscillating haul-off like the GBR (Gauge band Randomizer) or HFO (Horizontal Film Oscillating unit).

The Air Turning Bars are very light-weighted, but extremely rigid due to the internal construction. The low weight (compared to existing turning bars made of steel) makes them easy to handle and install.

The SK-Machinery® Anti Wrinkle Multi Purpose Turning Bar can be provided from 1,89 inches/48 mm to 9 inches/230 mm

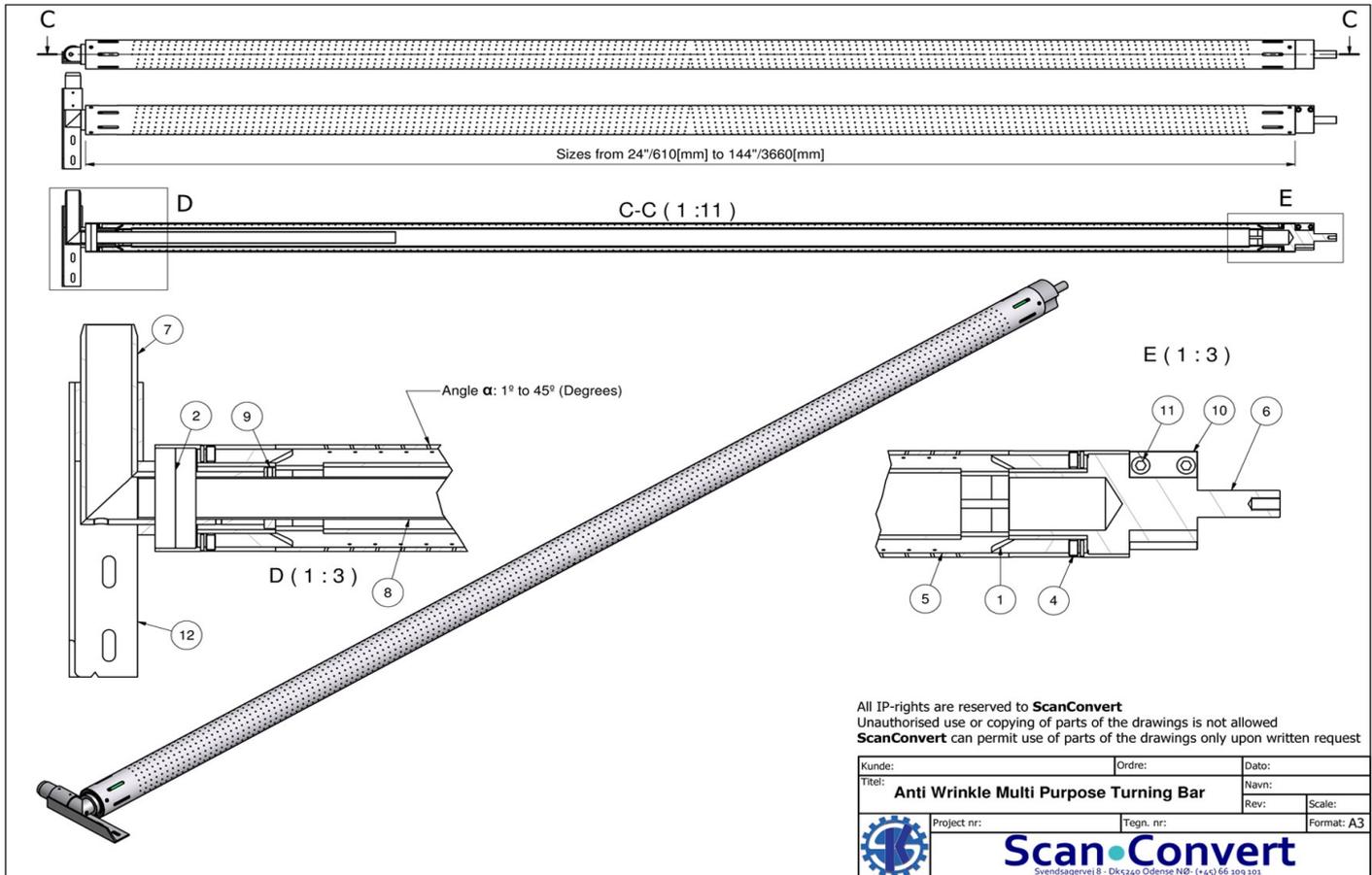
### FEATURES

- Ideal for reversing sticky and dull film surfaces
- 180° degrees contact-free film passage over the Air Turning Bar –ideal for very thin film
- By adjusting 12 individual valves different air cushion features can be achieved
- Spreader bar and Anti Wrinkle effect thanks to the angled and spiralized design of the Air Turning Bar
- Low maintenance/easy to clean - the large and angled holes prevents clogging of the Air Turning Bar
- The design of the Air Turning Bar makes it possible to turn the bar 180 degrees to reduce abrasion if the turning bar has been used without sufficient air cushion
- Can be coated in accordance to any request to suit any film recipe - from coatings for corrosion control to friction-reduction
- The Air Turning Bar is provided with a expansion slot system which prevents bar deflection caused by high film temperatures
- The film passage over the Air Turning Bar can be very fast thanks to the high volume but low pressure system. The low pressure system prevents spikes in film and damage of the film
- The design features rotation of the Air Turning Bar for start up and easy threading. Fixation system ensures locking of the Air Turning Bar after start up
- Inverter controlled air blower for each Air Turning Bar

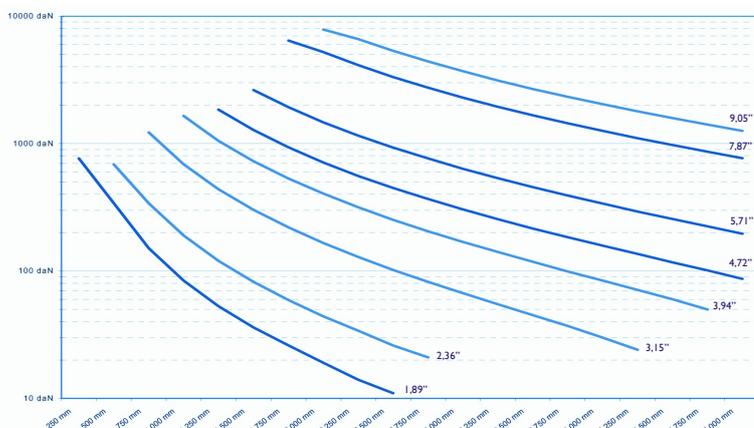




The air cushion must be sufficient in order to achieve high quality film, wrinkle-free and contact-free transportation of the web. The need for the air cushion is proportional with speed and length of Air Turning Bar.



### MAXIMUM LOAD AT START UP (NO AIR CUSHION)



**Start up (no air cushion):** Maximum load [daN] for bending of 0,2 % of distance between supports in [mm].

**Example:** For a maximum bending of 0,05 % of the length, multiply load by 4.

### STANDARD GBR & HFO SIZES

GBR/HFO size:	Air Turning Bar length:	Diameter:
24"	35,90"	Ø3"
34"	52,80"	Ø3"
44"	66,938"	Ø3"
64"	96,526"	Ø3"
74"	109,276"	Ø4"
84"	125,415"	Ø4"
94"	139,072"	Ø4"
104"	153,206"	Ø4"

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