



SUSTAINABLE. ECONOMIC. STABLE.

WinCore[®] WINDING CORES

OPTIMISE WINDING PROCESSES, CUT COSTS AND PROTECT THE ENVIRONMENT.

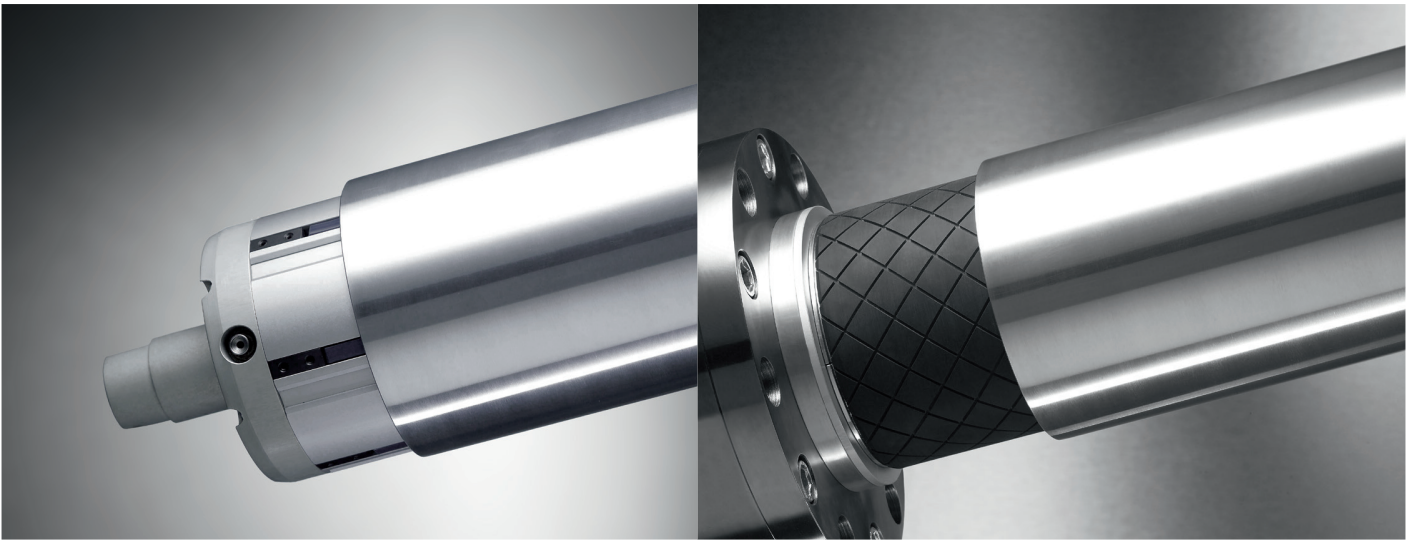
INOMETA offers the WinCore® winding core range for producing films and paper, internal further transport as well as for printing and finishing processes. All of our WinCore® winding cores are synonymous with maximum quality, even in the most challenging processes. WinCore® winding cores epitomise our technical competence and our experience gained over the years with customers from the widest range of sectors.

If your application is just as special – we will design the most suitable WinCore® winding core for you and adjust it in line with your requirements. In doing so, you will not only make technological progress, you will also reap the economic benefits of a considerably longer service life of the tube core, increased productivity and reduced downtimes. Furthermore, you will gain economical sustainability, thanks to a considerably longer life cycle and versatile use.

WinCore® ALUMINIUM WINDING CORES

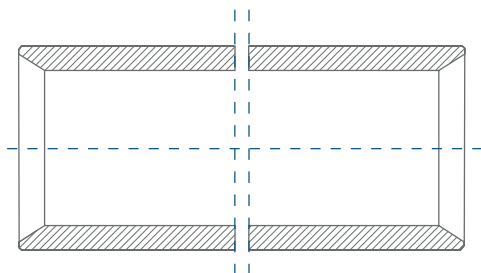
SWIFT, RELIABLE AND SUSTAINABLE PROCESSES

We provide WinCore® winding cores with inner diameter dimensions of 3", 6", 8" and 10". The wall thickness is designed and calculated on an individual basis tailored to your requirements, meaning that you will always gain the optimum winding core for your application. Our design criteria are based on the maximum roller diameter, roller weight, the maximum winding speed as well as the web width used.



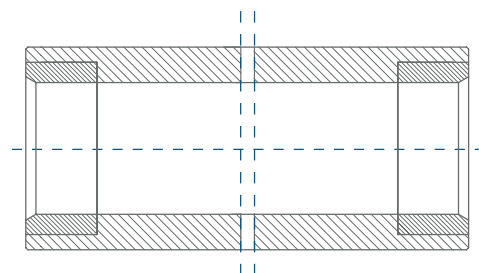
WinCore® WINDING CORES – Ecoline

WinCore® winding cores in the Ecoline design are high-quality aluminium winding cores, which are suitable for use with core shafts and clamping chucks. Aluminium winding cores can be used thousands of times and, as such, ensure a high level of economic and ecological efficiency. High concentric accuracy and tight tolerances are production characteristics, which enable the precise winding of media and prevent wrinkling in the winding process



WinCore® WINDING CORES – Proline

WinCore® winding cores in the Proline design are high-quality aluminium winding cores, which are suitable for use with core shafts and clamping chucks. Based on the basic specifications of our Ecoline, we have enhanced this design with additional specifications. Our Proline design is developed to protect tube core ends with individually manufactured inserts, which increase robustness and, in doing so, once again considerably increase service life.



			WinCore® Ecoline	WinCore® Proline	Cardboard cores in comparison
Diameter	Inner	3"	✓	-	manufacturer-dependet
		6"	✓	✓	manufacturer-dependet
		8"	✓	on request	manufacturer-dependet
		10"	✓	on request	manufacturer-dependet
Wall thickness	Min.	2,5 mm	5 mm	manufacturer-dependet	
Lengths	Max.	6000 mm	6000 mm	manufacturer-dependet	
Concentric accuracy (straightened)		0,4 mm/m	0,3 mm/m	-	
End faces bevelled	Outer	✓	✓	-	
	Inner	✓	✓	-	
Clamping system	Core shaft	✓	✓	✓	
	Clamping Chucks	✓	✓	✓	
	Conical tension	possible*	possible*	possible	
Inserts	Plastic	-	✓	-	
	Steel	-	optional	-	
Coating	Blank	✓	✓	✓	
	Anodised 420 HV	optional	optional	-	
	Hard anodised 550 HV	optional	optional	-	
	PROTEK® coating**	optional	optional	-	
RFID	Single-sided	optional	optional	optional	
	Double-sided	optional	optional	optional	
Individual design based on weight and speed		✓	✓	-	
Vibration dampening		★ ★	★ ★	★	
Low net weight		★	★ ★	★ ★ ★	
Reusability		★ ★ ★	★ ★ ★	★	
Service life		★ ★ ★	★ ★ ★	★	
Ease of servicing		★ ★	★ ★ ★	★	
Carrying load		★ ★ ★	★ ★ ★	★	
Protected against deformation through web tension		★ ★ ★	★ ★ ★	★	
Narrow winding lengths on long tube cores		★ ★ ★	★ ★ ★	-	
High machine speed of the winding process	start	★ ★ ★	★ ★ ★	★	
	end	★ ★ ★	★ ★ ★	★	
Low to zero residual layers possible on the tube core (less waste)		★ ★ ★	★ ★ ★	★	
Large winding roller diameters possible		★ ★ ★	★ ★ ★	★	
Dimensionally stable in humidity		★ ★ ★	★ ★ ★	★	
Resistant to oil and lubricant		★ ★ ★	★ ★ ★	★	
Cleanable		★ ★ ★	★ ★ ★	★	
Suitable for clean room and spcial film (no material abrasion)		★ ★ ★	★ ★ ★	-	
Bending and crack resistance		★ ★ ★	★ ★ ★	★	
Dimensionally stable tube core ends		★ ★	★ ★ ★	★	
Resistance when using clamping chucks		★ ★	★ ★ ★	★	
Grip when using clamping chucks		★	★ ★ ★	★	
Less stock necessary		★ ★	★ ★	★	

* Available as an option, although not recommended by us

** Characteristics such as cut resistance, adhesive properties, insulating etc.

SIDE BY SIDE COMPARISON

CARDBOARD CORE OR WinCore® WINDING CORE?

WinCore® ALUMINIUM WINDING CORE	CARDBOARD CORE	ADVANTAGES OF WINCORE® ALUMINIUM WINDING CORES
>1000 wrapping cycles possible per winding core	Approx. 1 – 10 wrapping cycles per cardboard core	Reduced number of new orders, fewer tube cores in stock, less storage space, eco-conscious, more economic in the long term, reduced disposal costs
Full machine speed during the entire winding process	Reduced winding speed for initial and residual layers	Shorter process times, increased throughput, reduced waste (low scrap rate)
Vibration dampened material	Natural oscillation of the tube core, remaining residual layers when winding and unwinding	Full machine speed during the entire winding process, quiet winding and unwinding, fewer or even no residual layers, reduced waste
High material rigidity	Very low material rigidity	No deformation caused by winding pressure, full machine speed, occupational safety, clean winding, minimal wrinkling, increased productivity
Dimensionally stable in all ambient conditions	Swelling due to ambient humidity	Precisely wound webs, reduced material waste, reliable processes, occupational safety
Does not absorb moisture = resistant to rigidity and stiffness	Loss in rigidity and stiffness due to absorbing moisture	Carefree winding, high accuracy, occupational safety, sustainable
Carrying load is individually calculated	Limited carrying load	Larger bale diameters possible, fewer roller replacements, less storage space, economical
Narrow bale widths possible on wide tube cores	Narrow bale widths not possible on wide tube cores	Fewer tube core variants necessary, one tube core width for all bale widths, fewer parts in stock and storage space necessary, more variable process
Resistant to oil and lubricant	Not resistant or low resistance to oil and lubricants	No swelling, longer service life, occupational safety
High consistency, thanks to aluminium or plastic inserts	Tube core ends wear very quickly with chucks	Long service life, less investment, fewer parts in stock
High concentric accuracy	Low concentric accuracy	Minimal wrinkling, clean winding
Reusable	Permanent investment	Economical, ecological, sustainable
Abrasion-resistant surface	Material abrasion due to friction	No contamination of the material web, no foreign bodies in the end product, clean winding, suitable for the clean room
End face bevelled on inside and outside	No chamfers on end faces, fraying tube core ends	Easier insertion of core shafts and clamping chucks, increased occupational safety, wear protection, substrate protection



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