

INOflex[®]

INOMETA

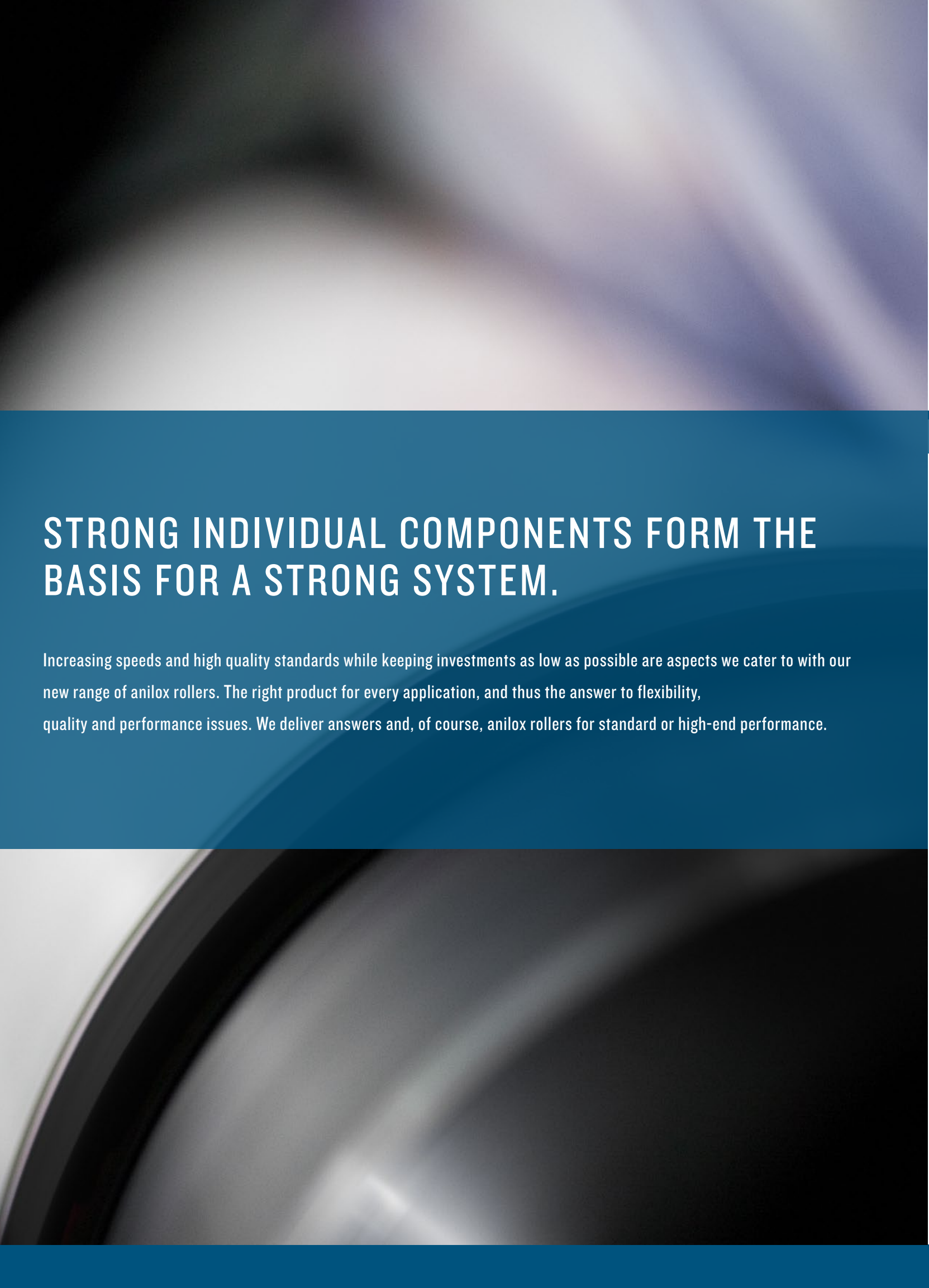
INOMETA



MADE IN GERMANY

MADE OF STEEL. ALUMINIUM. CFRP – THE RIGHT SOLUTION FOR ANY APPLICATION.

INOIox[®] ANILOX ROLLERS



STRONG INDIVIDUAL COMPONENTS FORM THE BASIS FOR A STRONG SYSTEM.

Increasing speeds and high quality standards while keeping investments as low as possible are aspects we cater to with our new range of anilox rollers. The right product for every application, and thus the answer to flexibility, quality and performance issues. We deliver answers and, of course, anilox rollers for standard or high-end performance.

SPECIFICATIONS

INOLOX® S ANILOX ROLLERS

Our INOlox® S is the standard version of our anilox roller portfolio. The steel anilox rollers are used in the printing and packaging industry.

Optimal ink release, high repetitive accuracy and very small manufacturing tolerances enable repeatable print results of the highest quality. The INOlox® S series is available in two different quality levels – Proline and ProXline.



INOlox® A ANILOX ROLLERS

Our INOlox® A is a lightweight design anilox roller made of aluminium for high requirements in the printing and packaging industry.

The use of high-quality aluminium components enables simple handling, high flexibility and stable printing processes. Optimal ink release, high repetitive accuracy and very small manufacturing tolerances enable repeatable print results of the highest quality.

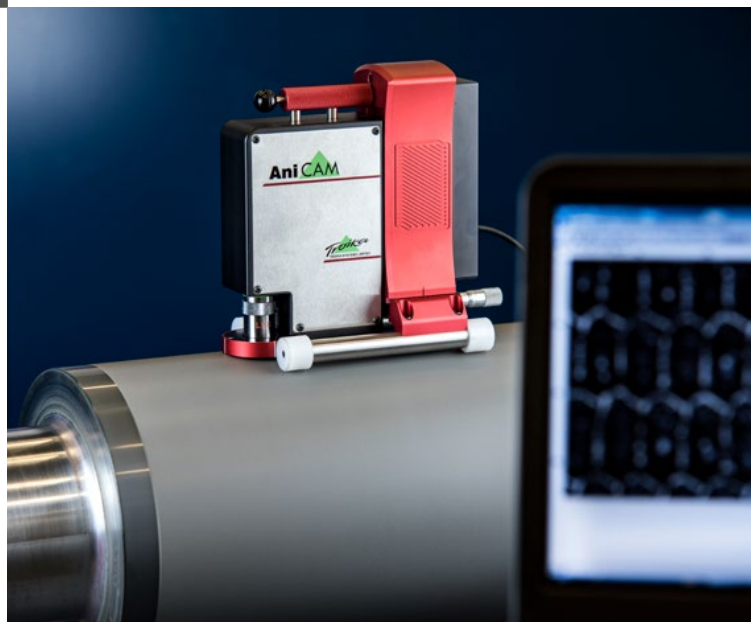
The INOlox® A series is available in two different quality levels – Proline and ProXline.



INOlox® C ANILOX ROLLERS

The whole structure of the INOlox® C anilox rollers is designed to achieve maximum performance. CFRP is a material that makes our INOlox® C particularly light and thus an absolutely high-performance product.

INOcell® engraving technology and the INOcell® polishing standard enable particularly high quality standards in flexographic printing. Particularly high machine speeds require high-performance components that we can offer with our INOlox® C.



			INOlox® S		INOlox® A		INOlox® C	
			Proline	ProXline	Proline	ProXline	Proline	ProXline
			↓	↓	↓	↓	↓	↓
Diameter	Outside Min.		50 mm	50 mm	50 mm	50 mm	120 mm	120 mm
	Outside Max.		415 mm	415 mm	415 mm	415 mm	415 mm	415 mm
Roller body length	Min.		250 mm	250 mm	250 mm	250 mm	1000 mm	1000 mm
	Max.		3500 mm	3500 mm	3500 mm	3500 mm	3500 mm	3500 mm
Base core	Steel		✓	✓	-	-	-	-
	Aluminium		-	-	✓	✓	-	-
	CFRP		-	-	-	-	✓	✓
Radius print width	Up to 700 mm	1,5-2,0 mm	✓	✓	✓	✓	-	-
	From 700 mm	2,5-3,0 mm	✓	✓	✓	✓	✓	✓
Surface	Superior AS		✓	✓	✓	✓	-	-
	Superior CFK		-	-	-	-	✓	✓
Run out tolerance		0,010 mm	optional	✓	optional	✓	optional	✓
		0,020 mm	✓	-	✓	-	✓	-
INOcell® engraving range	Hexagon 60°	100 - 420 L/cm	✓	-	✓	-	✓	-
	Hexagon 60° channel	100 - 420 L/cm	✓	-	✓	-	✓	-
	Elongated 75°	45 - 360 L/cm	✓	-	✓	-	✓	-
	Elongated 75° channel	45 - 360 L/cm	✓	-	✓	-	✓	-
	Hatching 45°	45 - 320 L/cm	✓	-	✓	-	✓	-
	Cross-hatching 45°	40 - 200 L/cm	✓	-	✓	-	✓	-
	Hexagon 60°	40 - 700 L/cm	optional	✓	optional	✓	optional	✓
	Hexagon 60° channel	60 - 420 L/cm	optional	✓	optional	✓	optional	✓
Ext. engraving range	Elongated 75°	60 - 440 L/cm	optional	✓	optional	✓	optional	✓
	Elongated 75° channel	60 - 360 L/cm	optional	✓	optional	✓	optional	✓
	Hatching 45°	45 - 320 L/cm	optional	✓	optional	✓	optional	✓
	Cross-hatching 45°	40 - 200 L/cm	optional	✓	optional	✓	optional	✓
	Special engravings		-	✓	-	✓	-	✓
	Weight		★★★★★		★★★★★		★★★★★	
Printing speed up to 800 rpm			★★★★★		★★★★★		★★★★★	
	Handling		★★★★★		★★★★★		★★★★★	
Durability			★★★★★		★★★★★		★★★★★	
	Damping system		★★★★★		★★★★★		★★★★★	
Reworking potential			★★★★★		★★★★★		★★★★★	
	Standard volume tolerances	bis 3 cm³m² / ± 4%	✓	-	✓	-	✓	-
INOcell®+ volume tolerances		3-6 cm³m² / ± 5%	✓	-	✓	-	✓	-
		≥ 6 cm³m² / ± 6%	✓	-	✓	-	✓	-
		bis 3 cm³m² / + 4%	-	✓	-	✓	-	✓
		3-6 cm³m² / + 5%	-	✓	-	✓	-	✓
INOcell® polishing standard		≥ 6 cm³m² / + 6%	-	✓	-	✓	-	✓
		UVF 9-15%*	-	-	-	-	-	-
		STD 30-40%	✓	-	✓	-	✓	-
		IF+ 60-70%	-	✓	-	✓	-	✓
Inscription	A Text engraving (dead band range)		✓	✓	✓	✓	✓	✓
	B Front end		-	✓	-	✓	-	✓
	Customer request inscription		-	optional	-	optional	-	optional
Roller protection	Protective GFRP tube		-	-	-	-	-	-
	Protective mat		On request		On request		On request	

RUN OUT TOLERANCE

INOlox® S,A,C Proline

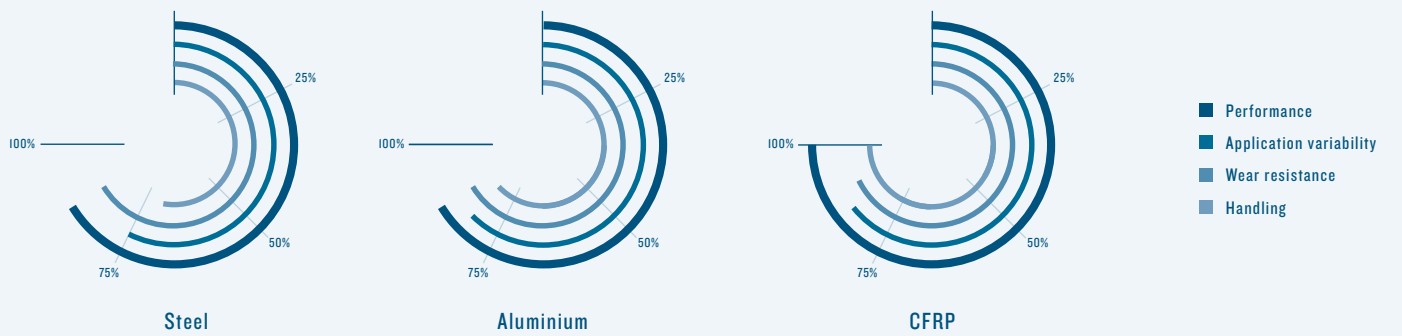
Ø in mm	Run out tolerance (mm) for a length in mm		
	1000	2000	3000
100	0,015	-	-
200	0,015	0,025	-
300	0,025	0,025	-
400	0,025	0,025	0,035

INOlox® S,A,C ProXline

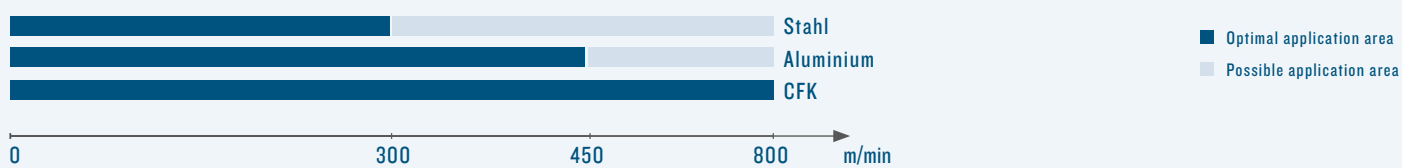
Ø in mm	Run out tolerance (mm) for a length in mm		
	1000	2000	3000
100	0,010	0,010	0,010
200	0,010	0,010	0,010
300	0,010	0,010	0,010
400	0,010	0,010	0,010

RECOMMENDED APPLICATION

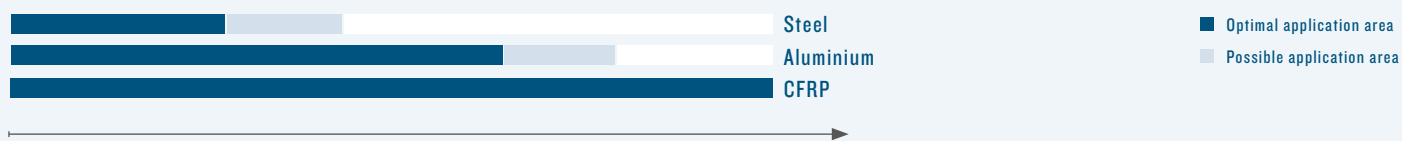
PRODUCT LINE PERFORMANCE



DESIRED PRINTING SPEED



HANDLING AND WEIGHT



INSCRIPTION

A = Dead band range from 5 mm (target volume)

B = Front end short journal side (actual volume)



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INOflex[®]

With the INOflex[®] product family – the system solution for flexographic printing – INOMETA offers a comprehensive portfolio of lightweight products for use in printing units and other areas of flexographic printing machines. As a specialist in rotating printing unit components, INOMETA develops and produces components that are designed to work perfectly together, including anilox rollers and anilox sleeves, CFRP bridge adapters with hydraulic or pneumatic clamping systems and CFRP shafts. INOMETA is also a specialist in the production of web-guiding rollers and winding cores.