

AMANN

GROUP

Intelligent threads

PRODUCT  
RANGE





# INDEX

## INTRO

The Company	Page 5
Responsibility	Page 7
Service	Page 9
AMANN Innovation Lab	Page 11

## APPLICATION FIELDS

Apparel	Page 12
Automotive	Page 12
Shoes & Accessoires	Page 12
Embroidery	Page 13
Home Interior	Page 13
Techtex	Page 13

## AMANN PRODUCTS

Saba	Page 14
Sabatex	Page 15
Sabaflex	Page 16
Sabasoft	Page 17
Serafil fine	Page 18
Rasant	Page 19
MercifilGD	Page 20
Strongfix	Page 21
Meta	Page 22
Serafil	Page 23
Serabraid	Page 24
Onyx	Page 25
Strongbond	Page 26
Isacord	Page 27
Isamet	Page 27
Isa Texlight	Page 28
Isa/Isabob	Page 28
Rasant-Oxella	Page 29
Topfil	Page 30
Texturan	Page 30

Gore® Tenara®	Page 31
Serabond	Page 32
N-tech	Page 33
N-tech CS	Page 33
A-tech CS	Page 34
Nc-tech	Page 35
K-tech	Page 36
Kc-tech	Page 36
Silver-tech/Silver-tech+	Page 37

## SPECIAL COLOURS

Multicolour	Page 39
Neon	Page 39

## SPECIAL FINISHINGS

Water-repellent (WR/WRe)	Page 39
Waxed (T90)	Page 39
For Composites (Comphil)	Page 39
Bonded	Page 39



INNOVATION  
SINCE 1854

## THE COMPANY

Since 1854, AMANN has been one of the leading global producers in the field of high-quality sewing and embroidery threads. Its technical expertise, reliability and flexibility in production and service makes AMANN a strong partner worldwide. In close cooperation with its customers, AMANN develops sewing and embroidery threads, as well as smart yarns for tomorrow's market requirements.

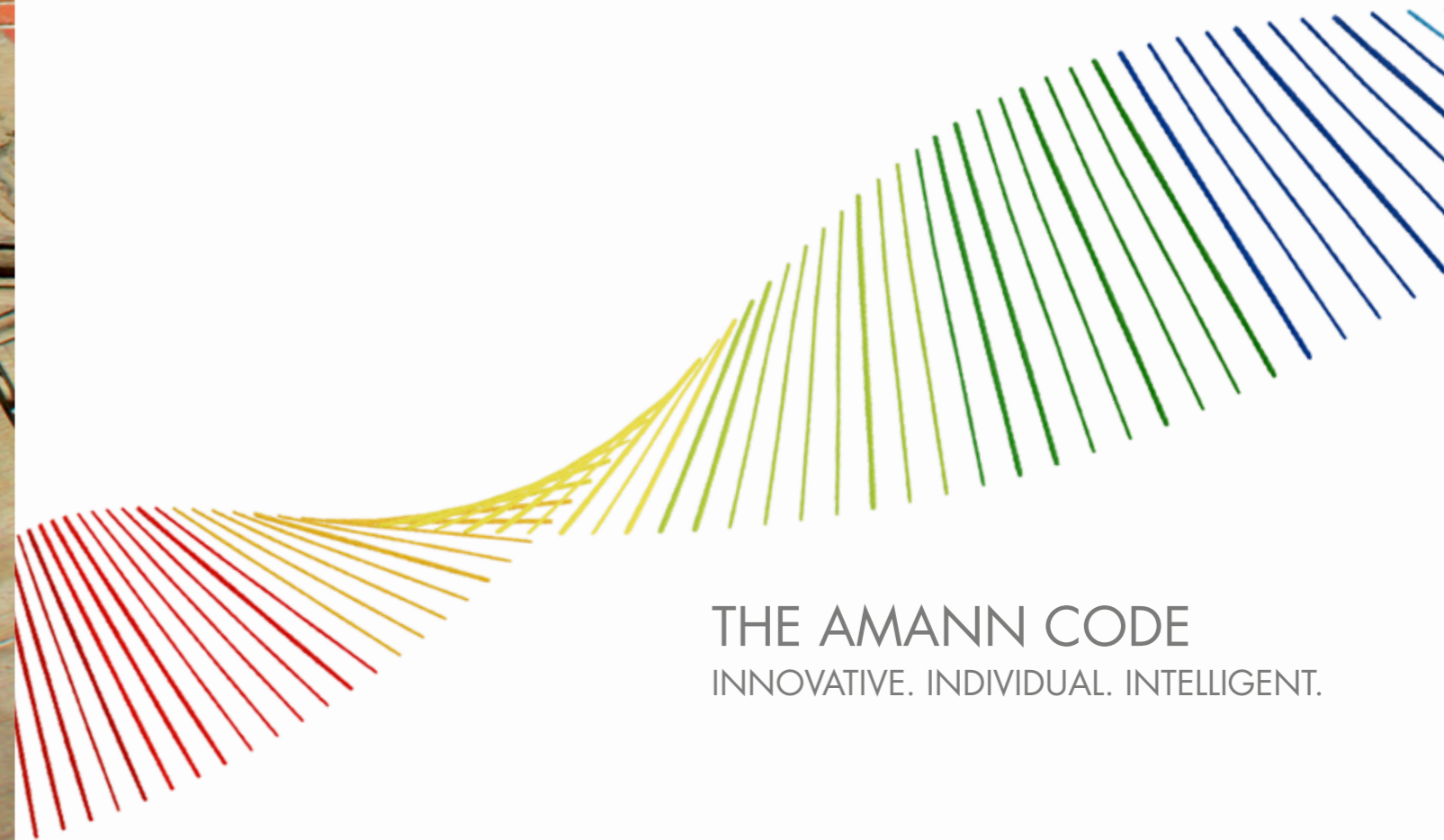
More than 2,260 motivated employees in more than 100 countries worldwide make AMANN's success possible. AMANN Group exclusively produces at its own production sites. The company headquarters are located in Bönningheim, Germany.

## THE AMANN CODE

Success has a secret. Intelligent products, individual solutions and innovative concepts: the amann code. AMANN produces threads meeting the highest standards, and develops ideas for creating seams that make your products even safer, more efficient, comfortable and beautiful. Developing new ideas is a tradition at AMANN.

We utilise the know-how from various industries and combine knowledge and expertise for the development of intelligent, modern products. Our customers' wishes and demands serve as our standards. Individual solutions are our strength – in product and colour management, and in service and logistics.

State-of-the-art technology is a prerequisite for innovative products. Through constant communication with our customers, partners and vendors, we develop sewing and embroidery threads as well as functional yarns and technical threads – always one step ahead, always at the highest technical level.



THE AMANN CODE  
INNOVATIVE. INDIVIDUAL. INTELLIGENT.



## QUALITY THROUGH EXPERTISE

## RESPONSIBILITY

The acceptance of social and environmental responsibility is an essential part of AMANN Group's corporate philosophy. The main focus of this philosophy is responsible interaction with employees, vendors, customers and partners, and with the environment and its resources.

### SOCIAL

The charitable Hanns A. Pielenz Foundation was established by its eponym Hanns A. Pielenz in 2005. Through the transfer of his shares to the foundation, Hanns A. Pielenz ensured the continuation of the traditional family business and a long-term support of regional cultural and charitable institutions in the fields of arts and culture, science and research, and education.

### ENVIRONMENTAL

- sustainable production and dyeing processes and continuous reduction of the use of harmful substances
- similarly high safety, production and sustainability standards at all AMANN production plants worldwide and ongoing observation of the standards
- reduction of waste and promotion of recycling
- responsible utilisation of resources through water and energy management

## CERTIFICATION & SAFETY

At AMANN, customer expectations regarding performance, reliability and technical expertise, as well as the quality and environmental compatibility of the products are an obligation and a motivation at the same time. Continuous compliance with the high-quality standards at AMANN Group is ascertained by the certification for quality management according to DIN EN ISO 9001.

### ENVIRONMENTAL MANAGEMENT

AMANN's resource-friendly approach and its strive to keep the environmental impact as low as possible is documented by the certification of the sites Bönningheim and Augsburg in accordance with the DIN EN ISO 14001 environmental management system.

### ENERGY MANAGEMENT

The reasonable use of energy is an important factor in AMANN's sustainability program. The DIN EN ISO 50001 certification states that the production site at Augsburg has developed a sustainable energy management system and has a very high degree of energy efficiency and environmental compatibility.

### QUALITY COMMITMENT

The fulfilment of the process-oriented quality commitment for a safe production environment is proven by the certification of the offices Bönningheim, Augsburg, Brasov, Manchester and Yancheng under the strict IATF 16949 standards.

### PRODUCT CERTIFICATIONS

The compliance with REACH and certification under STANDARD 100 by OEKO-TEX® guarantee that AMANN's products are not harmful. Moreover, AMANN participates in Greenpeace Detox Campaign. Almost all products are even certified in accordance with the strict criteria of the OEKO-TEX® testing catalogue according to appendix 6. The AMANN products Saba, Sabatex, Sabaflex, Isacord, Serafil, N-tech and N-tech CS have been examined concerning the industrial wash resistance according to DIN EN ISO 15797, and have received the PRO-Label certification according to DIN EN ISO 30023.



## SERVICE & CONSULTING

## SERVICE

From development to production and everyday customer support, quality, precision and a great deal of creativity and passion characterise AMANN's performance.

### RELIABILITY

Based on its vast expertise in the production of sewing and embroidery threads, AMANN has been serving the global textile industry for decades. AMANN is a reliable partner for all industries and offers professional product solutions, from fashionable to technical applications.

### INTERNATIONAL SALES TEAM

Direct points of contact all over the world facilitate a more personal communication and have comprehensive understanding for the procedures within the sewing and embroidery industry.

### COLOUR COMPETENCE

Colour is a crucial topic within the textile industry. The AMANN colour competence center utilises state-of-the-art technologies and employs experienced experts. A huge colour range that is available worldwide covers the most diverse requirements of all industries: from fashion to shoes & leather, from automotive industry to technical applications.

### LOGISTICS AND WAREHOUSING

As an internationally leading producer of high-quality sewing and embroidery threads, shipping and warehousing are a part of AMANN's daily business. Just-in-time-delivery, flexibility in meeting customer requirements and efficient logistics management – this is what AMANN stands for.

## AMANN SEWING TECHNOLOGY CENTER

Excellent technical sewing and embroidery consulting is one of AMANN's big strengths. For this purpose, AMANN has created a state-of-the-art sewing-technical lab with its new Sewing Technology Center (STC).

Among others, the services of the AMANN Sewing Technology Center comprise the following:

- Technical sewing and embroidery consulting worldwide
- Individual customer workshops, technical seminars and lectures
- Sewing tests and analyses
- Calculation of sewing thread requirement and recommendations for increase in productivity
- Technical elaborations for specific topics
- Processing tests

The AMANN STC team has decades-long, application-oriented know-how and enables customers to receive the best possible consulting and support.

# INNOVATION LAB



THINKING SOLUTIONS

## AMANN INNOVATION LAB

AMANN Innovation Lab is the innovation pool at AMANN. Our textile think-tank develops intelligent products, individual solutions and innovative concepts for textile issues, not only for sewing and embroidery threads but also for textile surfaces. The spectrum includes conductive threads and yarns, hybrid threads for composites, sensor yarns, threads with indicator function as well as a multitude of functional yarns and technical threads. The AMANN Innovation Lab develops different smart yarns that offer technical solutions for the following fields:



### CONDUCTIVE

The topic conductivity is becoming increasingly important for many industries. Due to its properties, a conductive smart yarn offers itself for a variety of different applications such as conductance of electricity or data transfer.



### SENSORY

Smart yarns with sensor technology transfer information and have a variety of different applications. These so-called sensor yarns are thread-like textile constructions that measure e.g. humidity.




### COMPOSITES

The Comphil finish, specially developed by AMANN for composites, offers optimised sewing performance without adhesion-inhibiting properties towards the composite matrix. Thus, it is optimally synchronised with the further processes (for example resin infusion) and end use applications.

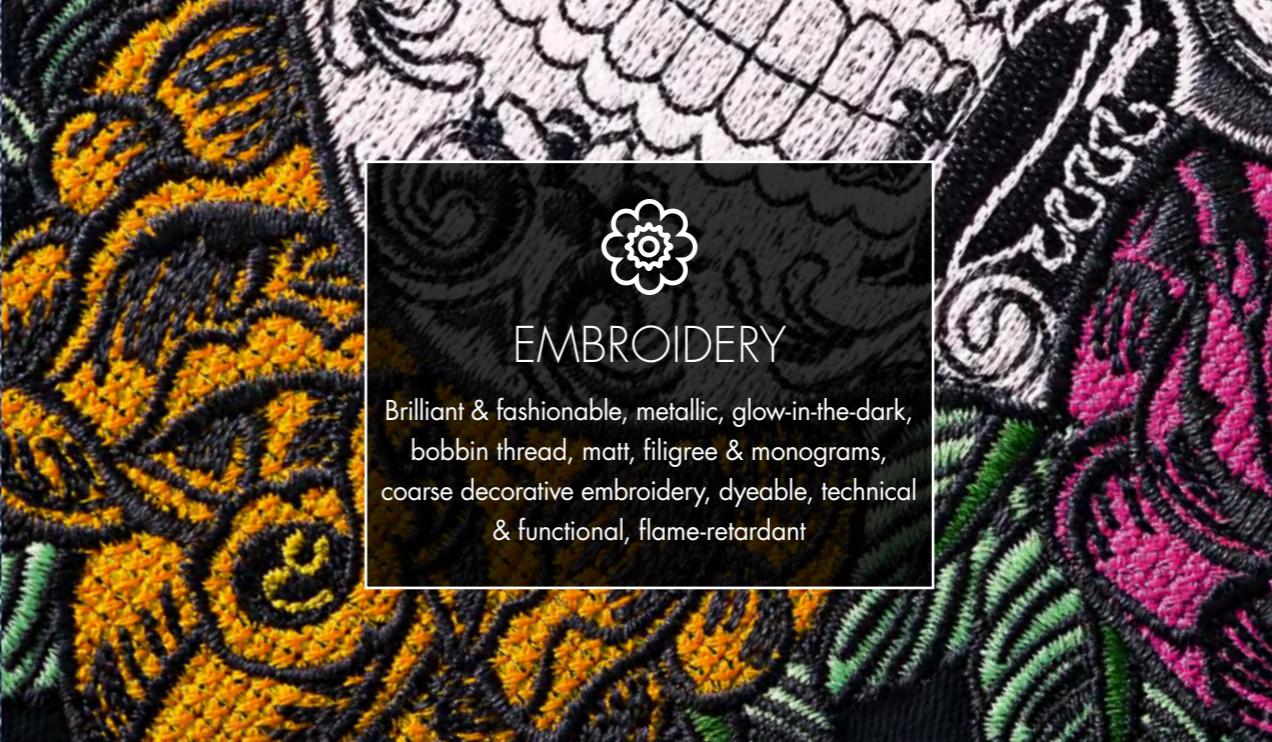
We will be glad to support you with your individual project – please contact us via [innovation-lab@amann.com](mailto:innovation-lab@amann.com)

	Page
Saba	14
Sabatex	15
Sabaflex	16
Sabasoft	17
Serafil fine	18
Rasant	19
MercifilGD	20
Strongfix	21
Meta	22
Isacord	27
Isamet	27
Isa Texlight	28
Isa/Isabob	28

**APPAREL**

Ladieswear, menswear, sportswear & outdoor, denim, underwear & lingerie, leatherwear, workwear, garment dyeing




**EMBROIDERY**

Brilliant & fashionable, metallic, glow-in-the-dark, bobbin thread, matt, filigree & monograms, coarse decorative embroidery, dyeable, technical & functional, flame-retardant

	Page
Isacord	27
Isamet	27
Isa Texlight	28
Isa/Isabob	28
Saba	14
Serafil fine	18
Rasant	19
MercifilGD	20
Serafil	23
N-tech	33
N-tech CS	33
A-tech CS	34

	Page
Serafil	23
Serabraid	24
Strongbond	26
Isacord	27




**AUTOMOTIVE**

Airbags, trim/interior, steering wheels, seatbelts, shading systems

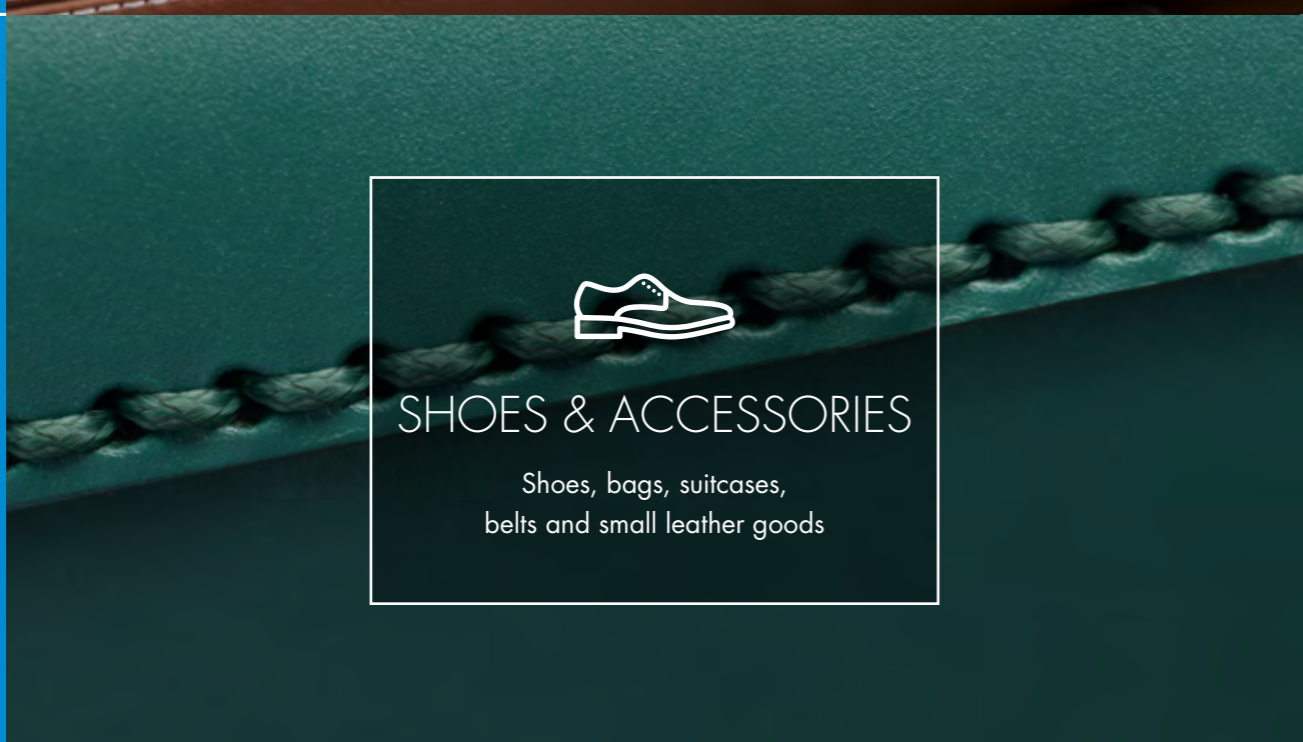




**HOME INTERIOR**

Upholstery, mattresses, pillows & inner covers, bed linen, curtains, table linen, bathroom textiles

	Page
Rasant-Oxella	29
Topfil	30
Texturan	30
Serafil	23
Serabraid	24
Onyx	25
Isacord	27
Gore®Tenara®	31
Serabond	32

	Page
Serafil	23
Serabraid	24
Onyx	25
Meta	22
Strongbond	26
Isacord	27
Isamet	27
Rasant-Oxella	29

**SHOES & ACCESSORIES**

Shoes, bags, suitcases, belts and small leather goods




**TECHTEX**

Protective clothing, outdoor textiles, smart textiles, lifting and restraint systems, composites, filtration, medtech

	Page
Gore®Tenara®	31
Serabond	32
N-tech	33
N-tech CS	33
A-tech CS	34
Nc-tech	35
K-tech	36
Kc-tech	36
Silver-tech/ Silver-tech*	37

## POLYESTER/POLYESTER CORE SPUN

- AMANN's all-rounder
- high-performing, outstanding sewing behaviour
- ideal abrasion resistance and strength properties
- great in tickets and colours
- textile appearance
- for closing and topstitch seams
- for matt embroidery

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colours
8	400	210-250	26-27	800 m Co	30
12	260	160-180	23-24	1.100 m Co	75
18	200	140-160	22-23	1.400 m Co	75
30	105	110-130	18-21	10x300 m XW 3.000 m Co	535 on request
35	80	100-120	16-19	5.000 m Co	75
50	60	90-110	14-18	10x500 m XW 2.500 m Co	535 535
80	40	90-100	14-16	10x1.000 m XW 5.000 m Co	535 535
100	30	80-90	12-14	10x1.000 m XW 5.000 m Co	535 535
120	24	70-80	10-12	10x1.000 m XW 5.000 m Co	535 535
150	21	60-70	8-10	10x1.000 m XW 5.000 m Co	535 535

Eco-friendly and water-repellent: the Saba range is complemented by WRe, AMANN's new water-repellent, PFC-free finish. Available on request.

Co =  XW = 

Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- workwear
- leatherwear
- denim

Further applications:



## POLYESTER CONTINUOUS FILAMENT, TEXTURISED

- the perfect bulk yarn
- soft, voluminous, skin-friendly
- for all serging and coverstitch seams
- for optimal edge covering

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colours
100	35	90-110	14-18	5.000 m Co 10.000 m FS	171 171
120	18	80-90	12-14	10.000 m Co 30.000 m Co	535 on request
250	11	70-80	10-12	5.000 m Co 10.000 m Co 30.000 m Co	171 171 on request

Co =  FS/KS = 

Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- workwear


Further applications:



## PTT (POLYTRIMETHYLENE TEREPHTHALATE) CONTINUOUS FILAMENT

- stretch it. The multi-talent for all elastic materials
- provides a stretch reserve for all seams
- with Sabaflex, all seams become highly elastic
- highest elongation and best sewability
- made with 37% biopolymers from renewable resources

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colours
30	105	120-140	19-22	900 m FS	160
50	70	110-130	18-21	1.200 m FS	160
80	60	80-100	12-16	2.000 m FS	160
120	27	70-80	10-12	1.500 m FS	160

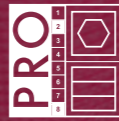
FS/KS = 

Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- workwear


Further applications:



## POLYESTER CONTINUOUS MICROFILAMENT, TEXTURISED

- Soft. Softer. Sabasoft
- the soft sewing thread for lingerie, activewear, fitnesswear and bikewear
- combines productivity and softness for the first time
- usable as needle and looper thread
- extraordinary soft microfilament, resistant against yellowing and abrasion

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colours
120	18	70-80	10-12	5.000 m Co	240
				10.000 m Co	on request
				30.000 m Co	on request

Co = 

Main application:




- sportswear & outdoor
- underwear & lingerie

## POLYESTER CONTINUOUS FILAMENT

- the ideal sewing and embroidery thread for all fine materials
- delicate, silk-like, adaptive, semi-transparent
- for high-quality overedging not showing through
- for all felling and blindstitching work
- ideal for processing down
- for embroidering monograms and fine details

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
120	24	70-80	10-12	4.000 m FS	100
				15.000 m FS	on request
180 (120/2)	16	65-70	9-10	5.000 m FS	100
				20.000 m FS	on request
300 (200/2)	10	60-65	8-9	5.000 m FS	100
				20.000 m FS	on request
420 (300/2)	7	50-65	5-9	10.000 m FS	100

FS/KS = 

Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie

Further applications:



## POLYESTER/COTTON CORE SPUN

- the traditional core spun thread
- robust in sewing
- approved in many applications
- for closing and topstitch seams
- for matt embroidery

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
35	80	110-130	18-21	3.000 m Co	52
50	60	100-110	16-18	10x1.000 m XW	52
				5.000 m Co	52
75	40	90-100	14-16	10x1.000 m XW	140
				5.000 m Co	140
				10.000 m Co	on request
120	24	70-80	10-12	10x1.000 m XW	300
				5.000 m Co	300
				10.000 m Co	on request

The comprehensive range of Rasant is complemented by the hydrophobic finish „WR“. Available on request.

Co =  XW = 

Main application:



- ladieswear, menswear
- sportswear & outdoor
- underwear & lingerie
- denim
- workwear


Further applications:



## COTTON SPUN, MERCERISED

- the classic sewing thread for garment dyeing
- made from long-staple mercerised cotton
- bleached
- optimal dyeing properties
- ideal sewing performance

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
18	105	120-130	19-21	2.500 m Co	1
24	80	110-130	18-21	5.000 m Co	1
30	60	100-120	16-19	5.000 m Co	1
40	40	80-100	12-16	5.000 m Co	1
50	35	70-80	10-12	5.000 m Co	1
60	30	65-70	9-10	5.000 m Co	1

Co =  Explanation of colour no.:  
3000 = bleached

Main application:



- garment dyeing


Further application:



## POLYESTER/POLYAMIDE CONTINUOUS FILAMENT

- melting thread for the supplemental security of blindstitch hems on trousers and skirts
- suitable as additional thread or as looper thread in the overlock seam of the hem, in addition to the blindstitch

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
30	110	-	-	850 m FS	2

FS/KS =  Available colour no.:  
2001 = white, 0348 = black-grey

Main application:




- ladieswear, menswear



## POLYESTER/POLYESTER WRAPPED YARN, METALLISED

- effect thread for creative top stitching
- for metallic accents on fashion and leather
- decorative, impressive, effective

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
10	260	180-220	24-26	300 m FS	3
30	105	110-130	18-21	700 m FS	3

FS/KS =  Available colour no.:  
0496 = gold, 0511 = silver, 1145 = bronze

Main application:



- ladieswear, menswear
- denim
- leatherwear

Further application:




## POLYESTER CONTINUOUS FILAMENT

- the outstanding product for shoes and accessories
- for closing and decorative seams
- subtle sheen
- special finishing process
- high seam strength
- best sewing performance with perfect stitch formation
- suitable for coarse decorative embroidery

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
8	350	200-260	25-28	850 m FS	on request
10	270	180-220	24-26	300 m FS	148
				1.000 m FS	148
15	210	150-180	23-24	450 m FS	148
20	135	120-140	19-22	600 m FS	240
				2.500 m FS	240
30	90	100-130	16-21	900 m FS	240
				4.000 m FS	240
40	70	90-120	14-19	1.200 m FS	240
				5.000 m FS	240
60	45	80-110	12-18	1.800 m FS	240
				5.000 m FS	on request
80	30	70-110	10-18	2.400 m FS	240
				10.000 m FS	on request

Eco-friendly and water-repellent: the Serafil range is complemented by WRe, AMANN's new water-repellent, PFC-free finish. Available on request.

FS/KS = 

Main application:



- shoes
- bags
- suitcases
- belts and small leather goods

Further applications:



## POLYESTER CONTINUOUS FILAMENT, BRAIDED

- the braided thread for individual decorative effects
- for closing and topstitch seams
- decorative, impressive, effective
- waxed version available for hand sewing

Ticket no.	Tex no.	Make-up	No. of colours
1400 T90	1200	300 m XW	30
1400 T60	1030	300 m SSP	30
1200 T90	890	500 m XW	48
1200 T60	750	500 m SSP	48
1000 T90	600	500 m XW	48
1000 T60	500	500 m SSP	48
800 T90	450	700 m XW	30
800 T60	380	700 m SSP	30

Eco-friendly and water-repellent: the Serabraid range is complemented by WRe, AMANN's new water-repellent, PFC-free finish. Available on request.

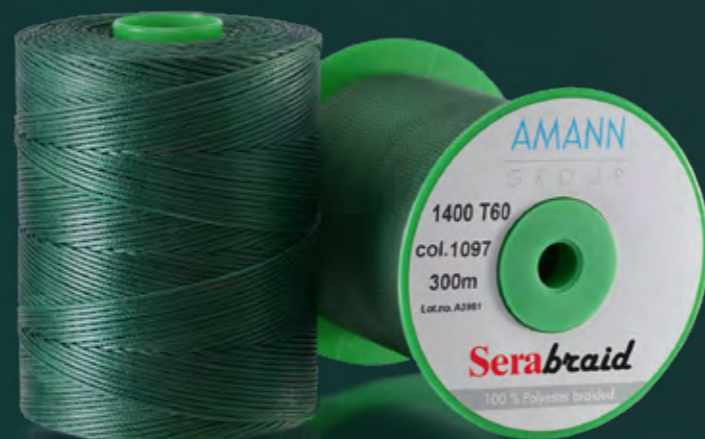
XW =  SSP =  T60 = standard  
T90 = waxed for hand sewing

Main application:



- shoes
- bags
- suitcases

Further applications:




## POLYAMIDE 6.6 CONTINUOUS FILAMENT

- the ultra-strong sewing thread for heavy-duty seams
- for closing and topstitch seams
- robust, abrasion resistant, durable
- excellent strength properties

Ticket no.	Tex no.	Needle size Nm	Needle size No.	Make-up	No. of colours
10	270	200-230	25-26	1.500 m FS	29
13	210	180-200	24-25	1.500 m FS	29
20	135	140-160	22-23	2.000 m FS	71
30	105	130-150	21-23	2.500 m FS	86
40	70	110-130	18-21	2.000 m FS 4.000 m FS	86
60	45	90-110	14-18	6.000 m FS	71
80	35	80-100	12-16	8.000 m FS	29

Eco-friendly and water-repellent: the Onyx range is complemented by WRe, AMANN's new water-repellent, PFC-free finish. Available on request.

FS/KS = 

Main application:



- shoes
- bags
- suitcases
- belts and small leather goods

Further applications:



## POLYAMIDE 6.6 CONTINUOUS FILAMENT, BONDED

- the robust bonded sewing thread
- for heavy-duty seams
- best sewing performance, also for multidirectional sewing

Ticket no.	Tex no.	Needle size Nm	No.	Make-up	No. of colours
10	270	200-250	25-27	1.500 m FS	12
20	135	140-160	22-23	1.500 m FS	76
30	90	120-140	19-22	2.500 m FS	11
40	70	110-130	18-21	3.500 m FS	95
60	45	90-110	14-18	5.000 m FS	75
80	35	80-100	12-16	9.000 m FS	2

FS/KS = 

Main application:



- shoes
- bags
- suitcases
- belts and small leather goods


Further applications:



## POLYESTER CONTINUOUS FILAMENT, TRILOBAL

- universal machine embroidery thread for all brilliant and fashionable embroidery
- great in colour, great in function
- abrasion-resistant, robust, perfect embroidery properties
- excellent colour fastness
- classic on work & corporate wear
- extremely durable – also for jeans and automotive

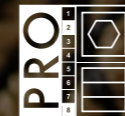
Ticket no.	Tex no.	Needle size Nm	No.	Make-up	No. of colours
40	27	65-90	9-14	10x1.000 m KS 5.000 m KS	412 391

FS/KS = 

Main application:



- brilliant & fashionable




Further applications:



## POLYESTER/POLYAMIDE WRAPPED YARN

- metallic embroidery thread
- classic thread in uniform and emblem embroidery
- brilliant accent for elegant clothes
- available in gold, silver and many other metallic colours

Ticket no.	Tex no.	Needle size Nm	No.	Make-up	No. of colours
40	27	75-90	11-14	10x1.000 m FS 5.000 m FS	42 7
50	15	70-90	10-14	10x1.000 m FS	3

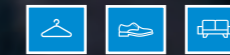
FS/KS = 

Main application:



- metallic


Further applications:



PBT (POLYBUTYLENE TEREPHTHALATE)/PP (POLYPROPYLENE),  
CONTINUOUS FILAMENT

- phosphorescent embroidery thread
- glows in the dark
- for special effects, for example on children's nightwear or clothes that are worn in bars or clubs

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
40	30	70-80	10-12	10x800 m KS	1

FS/KS = 

Main application:



- glow-in-the-dark


Further applications:



POLYESTER/COTTON  
CORE SPUN, GLACÉ

- the sewing thread with special finish for heavy-duty applications
- for closing and decorative seams
- fine matt sheen
- extremely durable in the seam

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
8	350	200-260	25-28	1.500 m FS	20
11	260	160-180	23-24	1.100 m FS	20
15	200	140-160	22-23	1.400 m FS	20
20	135	130-160	21-23	2.000 m FS	20
25	120	130-160	21-23	2.750 m FS	36
30*	105	120-140	19-22	2.500 m FS	37
35	80	110-130	18-21	4.000 m FS	60

FS/KS = 

\*Polyamide/cotton core spun, glacé

Main application:



- upholstery

Further applications:



POLYESTER BOBBIN THREADS  
FOR EMBROIDERY


- bobbin thread range for machine embroidery
- ISA combines excellent thread running properties, high strength and large bobbin volumes
- ISABOB provides outstanding unwinding properties, long running lengths and all benefits of prewound bobbin threads

Isa

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
150	18	-	-	10.000 m Co	2
180	16	-	-	20.000 m Co	2

Isabob

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
190	17	-	-	144 bobbins	2

Co = 

Main application:



- bobbin thread


Further applications:



## POLYESTER CONTINUOUS FILAMENT

- functional sewing thread for mattress quilting
- optimal sewing properties

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
60	45	100-130	16-21	500 g FS	1
				1.000 g FS	1
80	30	90-120	14-19	500 g FS	1
				1.000 g FS	1

FS/KS = 

Main application:



- mattresses
- pillows and quilts




## TEXTURAN

## POLYESTER CONTINUOUS FILAMENT, TEXTURISED

- developed to be used in combination with Topfil
- the functional underthread for mattress production

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
100	35	90-110	14-18	10.000 m FS	1
				20.000 m FS	1
120	18	80-90	12-14	20.000 m FS	1

FS/KS = 

Main application:




- mattresses
- pillows and quilts



## ePTFE (EXPANDED POLYTETRAFLUORETHYLENE) TAPE

- special sewing thread with excellent UV and weather protection with 15 years warranty!
- designed for high speed sewing
- also available in transparent colour
- will not fade, stain or discolour
- resistant to UV radiation in sunlight, mould, mildew, acid rain, cleaning solutions, salt water and industrial pollutants

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
HTR	270	110-140	18-22	1.050 m FS	11
TR	150	100-120	16-19	1.750 m FS	12
LTR	110	90-110	14-18	2.100 m FS	1

FS/KS = 

Main application:



- outdoor textiles


Further application:



## POLYESTER CONTINUOUS FILAMENT, BONDED

- high-performance bonded special sewing thread for outdoor applications
- extremely durable
- resistant to untwisting and therefore suited for multidirectional sewing
- outstanding UV resistance due to special dyestuffs
- weathering test according to ISO 4892-1 and ISO 4892-2

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
6	500	240-260	27-28	1.700 m FS	1
9	350	210-240	26-27	1.700 m FS	12
10	270	190-220	25-26	1.400 m FS	2
12	240	180-200	24-25	1.800 m FS	12
15	210	170-190	24-25	2.400 m FS	12
18	150	150-170	23-24	2.600 m FS	12
20	135	130-150	21-23	1.600 m FS 3.200 m FS	34 on request
25	105	120-140	19-22	3.000 m FS	12
30	90	110-130	18-21	2.300 m FS	34
40	70	90-120	14-19	4.600 m FS	16
60	45	80-100	12-16	5.000 m FS	16

FS/KS = 

Main application:



- outdoor textiles

Further applications:



## NOMEX® DUPONT™ META-ARAMIDE, SCHAPPE SPUN (N-TECH)

## NOMEX® DUPONT™ META-ARAMIDE, CUT STAPLE SPUN (N-TECH CS)

- high-performance meta-aramide special sewing and embroidery thread
- for flame-retardant and heat-protective applications
- self-extinguishing and non-melting
- permanent temperature resistance up to approx. 200°C
- decomposition temperature at approx. 370°C
- burning behaviour tested according to DIN EN ISO 15025
- certification according to the strict safety requirements of UL

N-tech

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
40	75	100-120	16-19	3.000 m Co	14
70	40	80-100	12-16	10x1.000 m XW 5.000 m Co	21

N-tech CS

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
70	40	80-100	12-16	10x1.000 m XW 5.000 m Co	21
120 (80/2)	25	70-90	10-14	5.000 m Co	21

Co =  XW = 

Main application:



- protective clothing
- filtration

Further applications:




A-tech CS

## NEWSTAR® YANTAI META-ARAMIDE, CUT STAPLE SPUN

- meta-aramide special sewing & embroidery thread for flame-retardant and heat-protective applications
- self-extinguishing and non-melting
- the powerful alternative to Nomex®
- permanent temperature resistance up to approx. 200°C
- decomposition temperature at approx. 370°C
- burning behaviour tested according to DIN EN ISO 15025
- certification according to the strict safety requirements of UL

Ticket no.	Tex no.	Needle size Nm	No.	Make-up	No. of colours
40	75	100-120	16-19	3.000 m Co	14
70	40	80-100	12-16	5.000 m Co	14

Co = 

Main application:



- protective clothing
- filtration

Further applications:




Nc-tech

## NOMEX® DUPONT™ META-ARAMIDE CONTINUOUS FILAMENT

- meta-aramide special sewing thread for highest requirements in flame-retardant and heat-protective applications
- self-extinguishing, non-melting, robust and extremely durable
- permanent temperature resistance up to approx. 200°C
- decomposition temperature at approx. 370°C
- burning behaviour tested according to DIN EN ISO 15025

Ticket no.	Tex no.	Needle size Nm	No.	Make-up	No. of colours
20	140	120-140	19-22	1.000 m FS	6
34	95	120-130	19-21	1.500 m FS	6
40	70	110-130	18-21	2.000 m FS	6
60	45	100-120	16-19	3.000 m FS	6

FS/KS = 

Main application:




- protective clothing

K-tech

## KEVLAR® DUPONT™ PARA-ARAMIDE, SCHAPPE SPUN

- para-aramide special sewing thread for applications with high requirements on cut, flame and heat protection
- permanent temperature resistance up to approx. 170°C
- decomposition temperature at approx. 425°C
- burning behaviour tested according to DIN EN ISO 15025
- certification according to the strict safety requirements of UL

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
35	80	120-140	19-22	3.000 m Co	1
50	60	110-130	18-21	3.000 m Co	1
75	40	100-120	16-19	5.000 m Co	1

Co = 

Main application:

- protective clothing




Kc-tech

## KEVLAR® DUPONT™ PARA-ARAMIDE CONTINUOUS FILAMENT, BONDED

- extremely high-performing para-aramide special sewing thread for technical textiles requiring cut and heat protection
- self-extinguishing and non-melting
- permanent temperature resistance up to approx. 170°C
- decomposition temperature at approx. 425°C
- burning behaviour tested according to DIN EN ISO 15025

Ticket no.	Tex no.	Needle size		Make-up	No. of colours
		Nm	No.		
22	135	130-150	21-23	ca. 500 g/ 3.000 m FS	1

FS/KS = 

Main application:

- protective clothing
- filtration
- composites



## SILVER COATED POLYAMIDE/ POLYESTER HYBRID THREAD (SILVER-TECH)


- special sewing and embroidery thread with a silver coating
- for conductive seams and surfaces
- textile electrodes as sensors and actuators
- for seam positions that require antimicrobial characteristics
- no cell damaging effect in the Cytotoxicity Test according to DIN EN ISO 10993-5

Ticket no.	Tex no.	Needle size		Make-up	Electric resistance
		Nm	No.		
30	96	120-130	19-21	500 m FS	< 85 Ω/m
50	62	90-100	14-16	1.500 m FS	< 150 Ω/m
120	28	75-90	11-14	2.500 m FS	< 530 Ω/m

## SILVER COATED POLYAMIDE CONTINUOUS FILAMENT (SILVER-TECH+)

- special sewing and embroidery thread with a silver coating
- for conductive seams and surfaces
- maximum conductivity
- fully conductive surface
- textile electrodes as sensors and actuators
- for seam positions that require antimicrobial characteristics

Ticket no.	Tex no.	Needle size		Make-up	Electric resistance
		Nm	No.		
100	33	75-90	11-14	2.000 m KS	< 200 Ω/m
150	22	70-75	10-11	2.500 m KS	< 300 Ω/m

FS/KS = 

Main application:

- smart textiles
- medtech



Further applications:



Silver-tech  
Silver-tech+





COLOUR &  
FINISH

## SPECIAL COLOURS

### MULTICOLOURS

Multicolours create special colour accents. The following sewing and embroidery threads by AMANN are offered in multicolours: Saba, Serafil, Strongbond, Isacord.

### NEON COLOURS

Whether they are used as a signal colour for hazardous situations or simply as an eyecatcher – neon colours attract attention and are an indispensable part of the fashion world. The following AMANN products are offered in neon colours: Saba, Sabasoft, Sabatex, Sabaflex, Serafil, Strongbond, Onyx, Isacord, N-tech, N-tech CS.

## SPECIAL FINISHINGS

### WATER-REPELLENT (WR/WRe)

WR finish (WR = water-repellent) is a prerequisite for dry seams. All AMANN sewing threads with WR finish are certified according to STANDARD 100 by OEKO-TEX® and do not contain any PFOA. The WR finish is applicable to all AMANN sewing threads. AMANN's WR finish is washable and does not affect the sewability in any negative way. AMANN's Road to Zero: The new WRe finish is even more eco-friendly, since it is completely free of PFC. Certainly, the new WRe finish is also washable and can be sewn easily.

The new WRe finish is available for the following AMANN products: Saba, Onyx, Serafil, Serabraid, Sabaflex.

### WAXED (T90)

Due to its special wax content, AMANN's T90 finish is especially suitable for handsewing, since the finish stabilises the stitch during stitch formation. T90 finish is available for the following products: Serabraid, Serafil.

### FOR COMPOSITES (COMPHIL)

The Comphil finish, specially developed by AMANN for composites, offers optimised sewing performance without adhesion-inhibiting properties towards the composite matrix and is thus optimally synchronised with the further processes (for example resin infusion) and end use applications. On both sewing and embroidery threads, the Comphil finish is used for preform production processes (for example TFP embroidery method). As a standard, the Comphil finish is available for following products: Serafil, Serafil fine, Onyx. On request, also further products from the AMANN range can be equipped with the Comphil finish.

### BONDED

This special treatment helps to avoid untwisting of smooth filament threads that are used for multidirectional sewing operations, for example on airbags or zig-zag seams on sails. AMANN offers the following bonded sewing threads: Oxcel, Serabond, Strongbond, Kc-tech, Xtreme-tech.

Amann & Söhne GmbH & Co. KG  
Hauptstraße 1 | D-74357 Bönningheim  
Phone +49 7143 277-0  
E-Mail: [service@amann.com](mailto:service@amann.com)  
[www.amann.com](http://www.amann.com)

103853  
EN01500049



Our management systems are certified according to:

