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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 2.300 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 Bönnigheim, Germany.

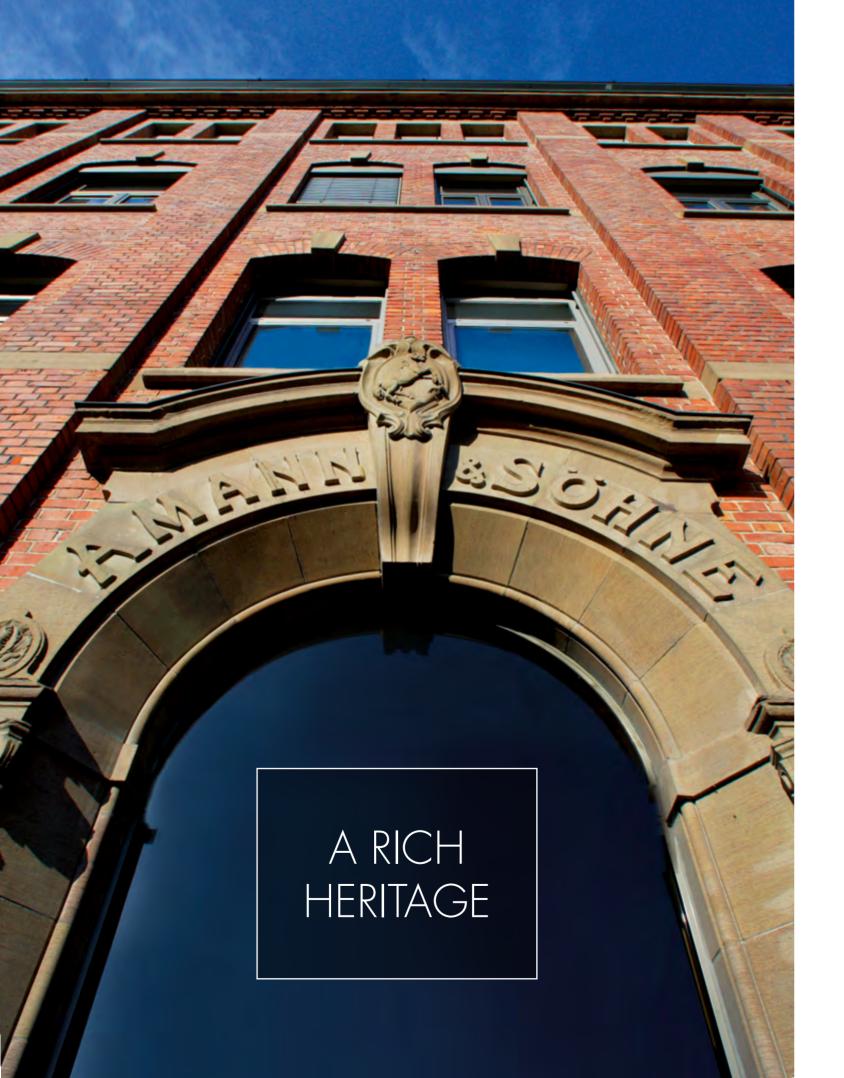
THE AMANN CODE

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.



AMANN HISTORY

- 1854 Foundation of the company in Bönnigheim by Alois Amann and Immanuel Böhringer as Amann & Böhringer.
- 1904 The old factory building from 1854 is torn down and gives place to a new building, which still serves as the headquarters of the company.
- 1954 100th anniversary of the company.
- 1955 AMANN is the leading force that drives the development and production of synthetic spun sewing threads and filaments – the new brand is called Serafil.
- 1968 Saba, a 3-cylinder spun synthetic sewing thread is being launched and heralds the start of a new era of synthetic sewing threads.
- 1974 Rasant the new cotton/polyester core spun thread is being launched.
- 1980 By inventing its polyester/polyester core spun thread saba^c, AMANN explores entirely new worlds in the sewing thread technology.
- 1993 AMANN inaugurates its new state-of-the-art Central Industrial Warehouse in Erligheim.
- 1994 AMANN absorbs Ackermann-Göggingen AG, a famous traditional sewing thread manufacturer from Augsburg.
- 2002 Successful launch of a completely new range of special products for technical textiles techX Performance Threads.
- 2004 150th anniversary of the company.

AMANN launches Sabaflex, a revolutionary elastic sewing thread.

- 2006 AMANN opens a new international production plant in Brasov, Romania.
 - AMANN launches Serabraid, a high-quality braided thread for expressive decorative seams on shoes, leather and upholstery.
- 2008 AMANN absorbs Oxley Thread Ltd., one of the most famous sewing thread manufacturers in Europe, thus gaining further expertise in the automotive sector.
- 2009 Opening of a new international production plant in Yancheng, China.
- 2011 AMANN wins the Texprocess Innovation Award with its newly developed high-tenacity sewing thread with Dyneema®.
- 2013 AMANN opens a new international production plant in Dhaka, Bangladesh.
- 2014 AMANN launches Sabasoft, an extraordinarily soft sewing thread made from microfilament.
- 2016 AMANN founds the AMANN Innovation Lab, a textile think-tank that develops intelligent products, individual solutions and innovative concepts for textile issues, not only for sewing and embroidery threads, but also for textile surfaces.
- 2019 Opening of a new international production plant in Da Nang, Vietnam.



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 Bönnigheim and Augsburg in accordance with the DIN EN ISO 14001 environmental management system.

ENERGY MANAGEMENT

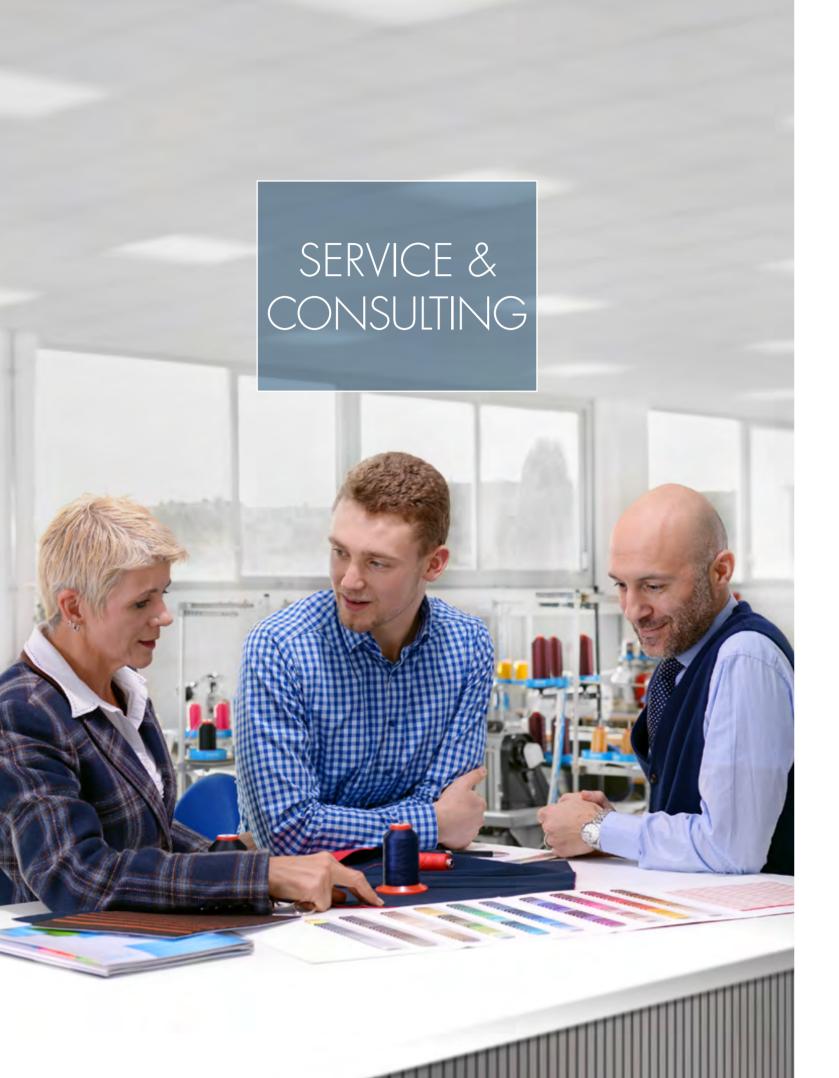
The reasonable use of energy is an important factor in AMANN's sustainability program. The DIN EN ISO 50001 certification states that the production site at Augsburg has developed a sustainable energy management system and has a very high degree of energy efficiency and environmental compatibility.

QUALITY COMMITMENT

The fulfilment of the process-oriented quality commitment for a safe production environment is proven by the certification of the offices Bönnigheim, 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

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 & accessories, 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.



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

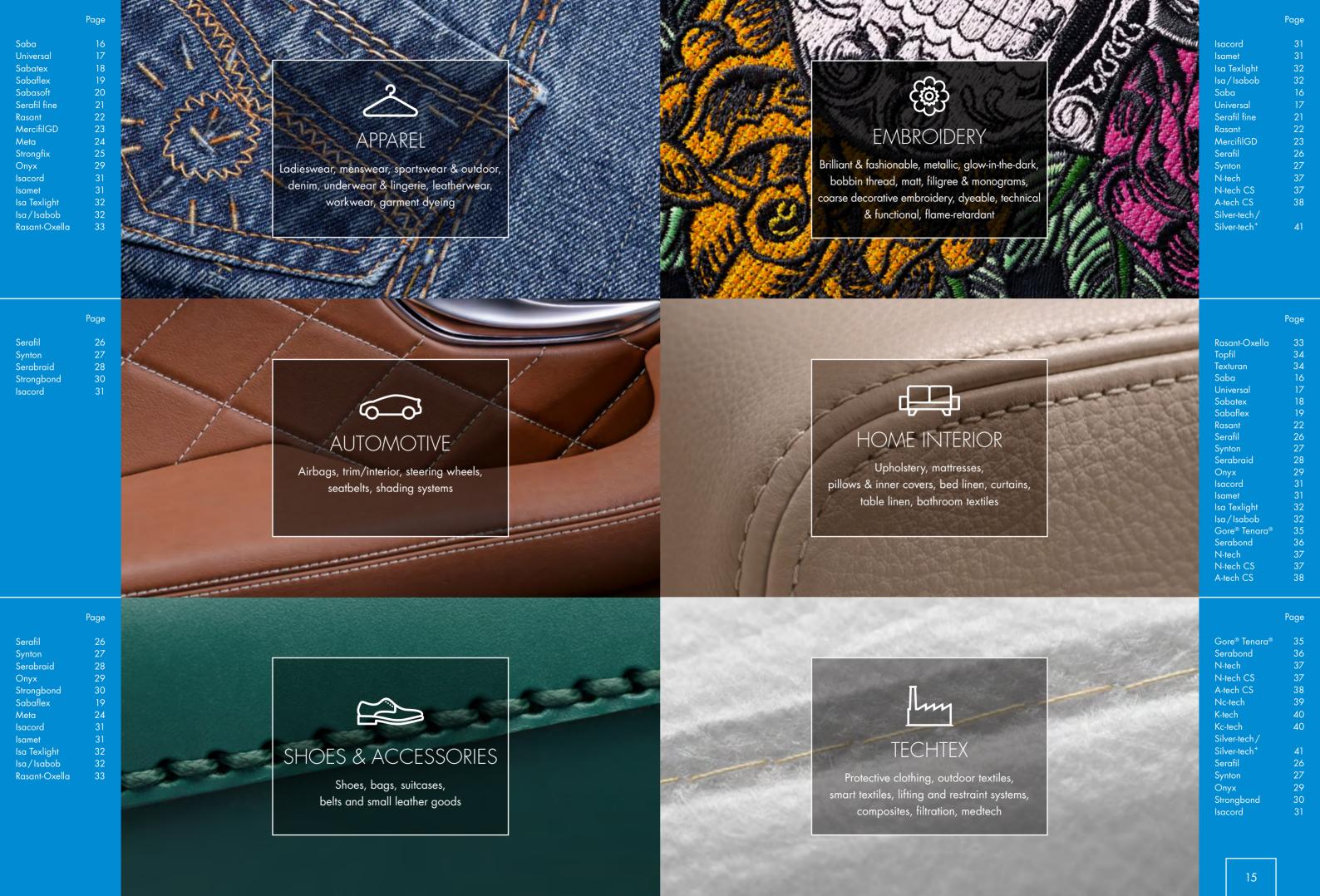
Smart yarns with sensor technology transfer information and have a variety of different applications. These socalled sensor yarns are thread-like textile constructions that measure e.g. humidity.



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



saba



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.	Needlo Nm	e 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	535
地位				3.000 m Co	on request
35	80	100-120	16-19	5.000 m Co	75
50	60	90-110	14-18	10x500 m XW	535
	12:33			2.500 m Co	535
80	40	90-100	14-16	10x1.000 m XW	535
				5.000 m Co	535
100	30	80-90	12-14	10x1.000 m XW	535
	4444	科维		5.000 m Co	535
120	24	70-80	10-12	10x1.000 m XW	535
		生生生		5.000 m Co	535
150	21	60-70	8-10	10x1.000 m XW	535
THE	444	PER P		5.000 m Co	535

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











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



Further applications:





POLYESTER STAPLE SPUN

- the economic sewing thread for general sewing needs
- excellent sewing properties
- great in tickets and colours
- textile appearance
- for closing and topstitch seams
- for matt embroidery

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
10	270	160-200	23-25	1.000 m Co	535
20	150	140-160	22-23	2.000 m Co	535
24	120	130-160	21-23	2.000 m Co	535
25	105	130-160	21-23	2.000 m Co	535
30	80	110-150	18-23	2.500 m Co	535
50	60	100-130	16-21	3.000 m Co	535
60	60	100-130	16-21	3.000 m Co	535
75	40	90-120	14-19	5.000 m Co	535
110	27	65-90	9-14	5.000 m Co	535
120	27	70-90	10-14	5.000 m Co	535
150	21	65-90	9-14	5.000 m Co	535
180	18	60-80	8-12	5.000 m Co	535



Main application:



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













sabatex

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









- - sportswear & outdoor
 - underwear & lingerie



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.	Needl Nm	e 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



Main application



- - sportswear & outdoor
 - underwear & lingerie



Further applications:











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



Main application



- ladieswear, menswear
- underwear & linaerie



Serafilfine



Rusunt 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.	Needl Nm	e size No.	Make-up	No. of colours
35	80	110-130	18-21	3.000 m Co	52
50	60	100-110	16-18	10x1.000 m XW 5.000 m Co	52 52
<i>7</i> 5	40	90-100	14-16	10x1.000 m XW 5.000 m Co 10.000 m Co	140 140 on request
120	24	70-80	10-12	10x1.000 m XW 5.000 m Co 10.000 m Co	300 300 on request

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







Main application



ladieswear, menswear

- sportswear & outdoor
- underwear & homewear

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	e size	Make-up	No. of colours
48680		Nm	No.	C1 (1) (1) (1) (1)	1879 E SE S
18	105	120-130	19-21	2.500 m Co	11/2/5/2/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5
24	80	110-130	18-21	5.000 m Co	1
30	60	100-120	16-19	5.000 m Co	T. C. C. C.
40	40	80-100	12-16	5.000 m Co	W1766786
50	35	70-80	10-12	5.000 m Co	1
60	30	65-70	9-10	5.000 m Co	1.000000000



Main application:

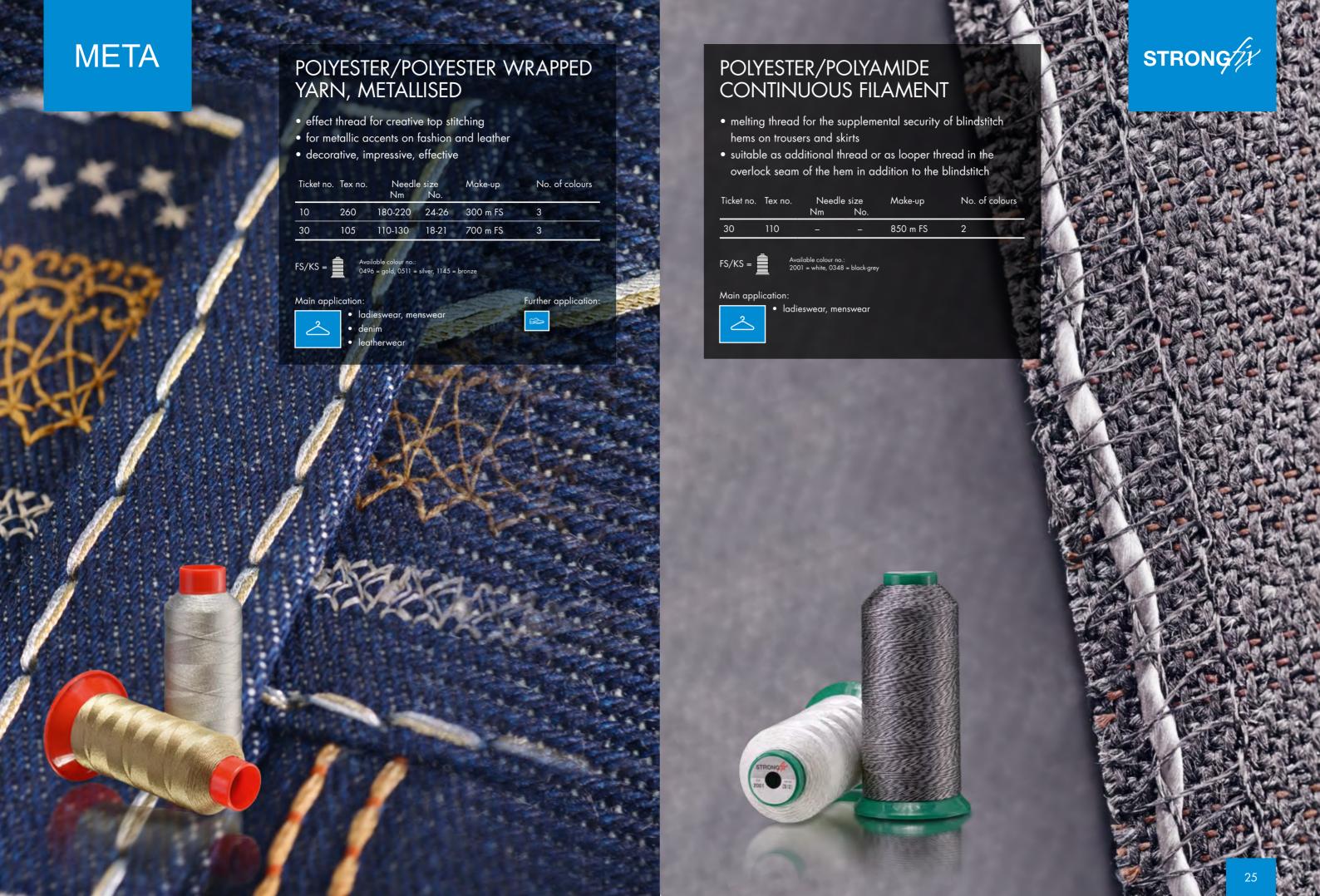


garment dyeing

Further application:

Mercifilgo





Serafil 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 No. of colours Ticket no. Tex no. Needle size 350 200-260 25-28 850 m FS on request 10 270 180-220 24-26 300 m FS 148 1.000 m FS 148 210 150-180 23-24 450 m FS 240 120-140 19-22 600 m FS 135 2.500 m FS 240 30 100-130 16-21 900 m FS 90 240 4.000 m FS 240 40 1.200 m FS 240 70 90-120 14-19 5.000 m FS 240 60 45 80-110 12-18 1.800 m FS 240 5.000 m FS on request 240 10-18 2.400 m FS 70-110 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: Further applications: shoes • belts and small leather goods

POLYESTER CONTINUOUS **FILAMENT**

- the reliable sewing thread for luggage, home interior, shoes and accessories
- for closing and decorative seams
- soft sheen
- high seam strength
- high performing during the sewing process

Ticket no.	Tex no.	Needle Nm	e size No.	Make-up	No. of colours
10	270	160-220	23-26	1.000 m FS	35
15	210	130-160	21-23	1.500 m FS	23
20	135	120-140	19-22	600 m FS 2.500 m FS	on request 82
30	90	110-130	18-21	900 m FS 4.000 m FS	on request 82
40	70	90-120	14-19	1.200 m FS 5.000 m FS	on request 82
60	45	80-100	12-16	1.800 m FS 5.000 m FS	on request 82
80	30	70-90	10-14	2.400 m FS 10.000 m FS	82 on request

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



Main application:



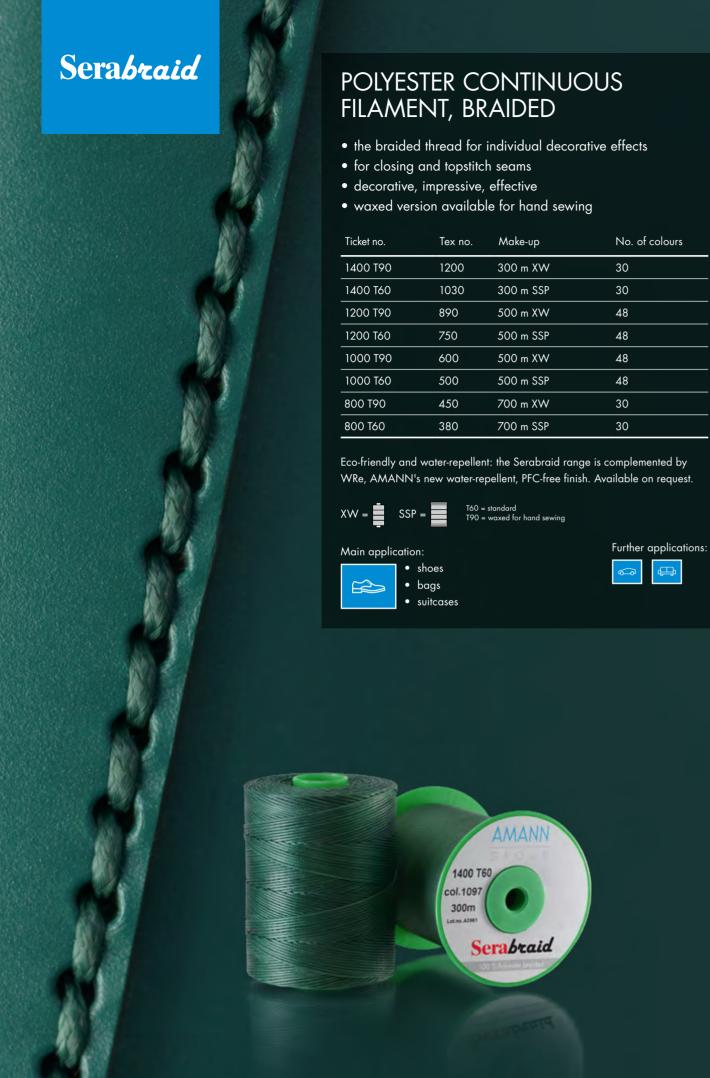
- shoes
- bags
- belts and small leather goods













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

ONYX

Ticket no.	Tex no.	Needle Nm	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	86
				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.



Main application:



- belts and small leather goods

Further applications:



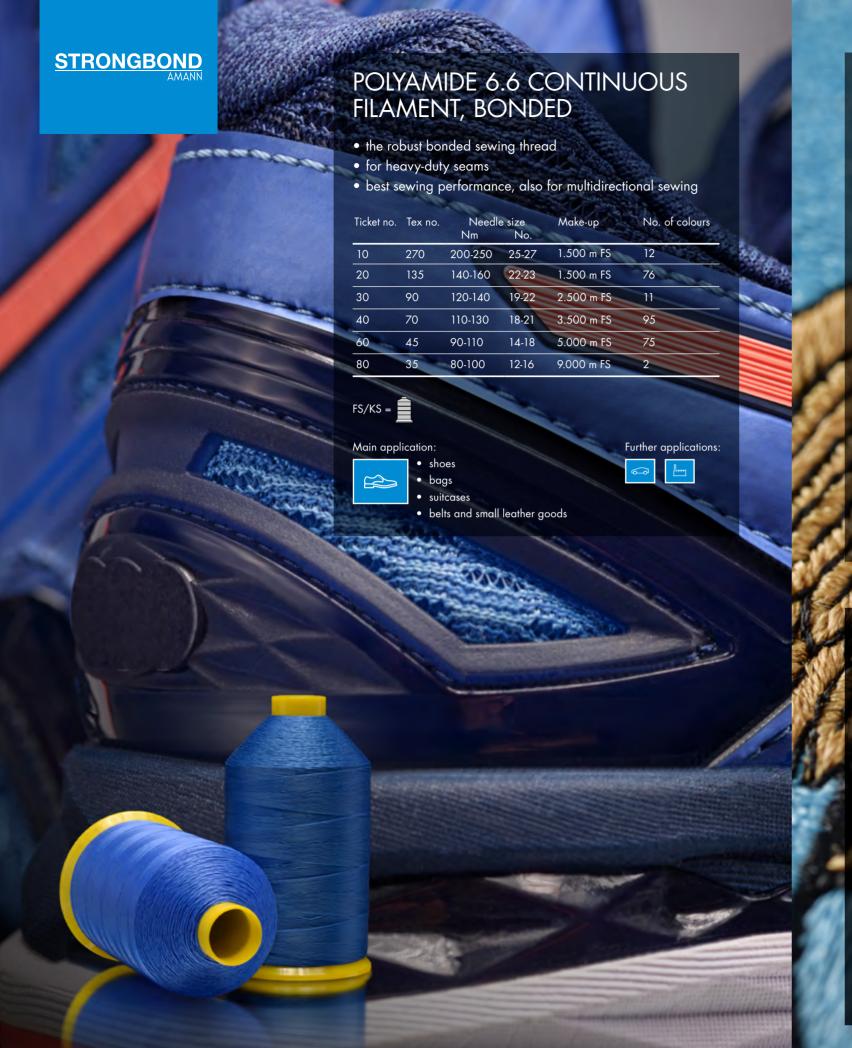








ONYX



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



brilliant & fashionable



Further applications:









ISACORD

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

FS/KS =

Main application:

















ISA POLYESTER BOBBIN THREADS **ISABOB** 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 Needle size Nm No No. of colours 10.000 m Co 180 20.000 m Co Isabob No. of colours 190 144 bobbins Co = Further applications: Main application: bobbin thread

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 Nm	e size No.	Make-up	No. of colours
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



4

Main application:

Further applications:











- functional sewing thread for mattress quilting
- optimal sewing properties

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

FS/KS =

Main application



pillows and quilts

TEXTURAN



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

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

FS/KS =

Main application:



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.	Needl Nm	e size No.	Make-up	No. of colours
HTR	270	110-140	18-22	1.050 m FS	NII.
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:







Serabond 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 No. of colours Ticket no. Tex no. Needle size 500 240-260 27-28 1.700 m FS 350 210-240 26-27 1.700 m FS 12 270 190-220 25-26 1.400 m FS 240 180-200 24-25 1.800 m FS 15 210 170-190 24-25 2.400 m FS 12 18 150-170 23-24 2.600 m FS 20 1.600 m FS 130-150 21-23 3.200 m FS on request 25 105 120-140 19-22 3.000 m FS 12 90 110-130 18-21 2.300 m FS 70 90-120 14-19 4.600 m FS 45 80-100 12-16 5.000 m FS FS/KS = Further application: outdoor textiles

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 Nm	size No.	Make-up	No. of colours
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.	Need Nm	le size No.	Make-up	No. of colours
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





Main application:



protective clothing

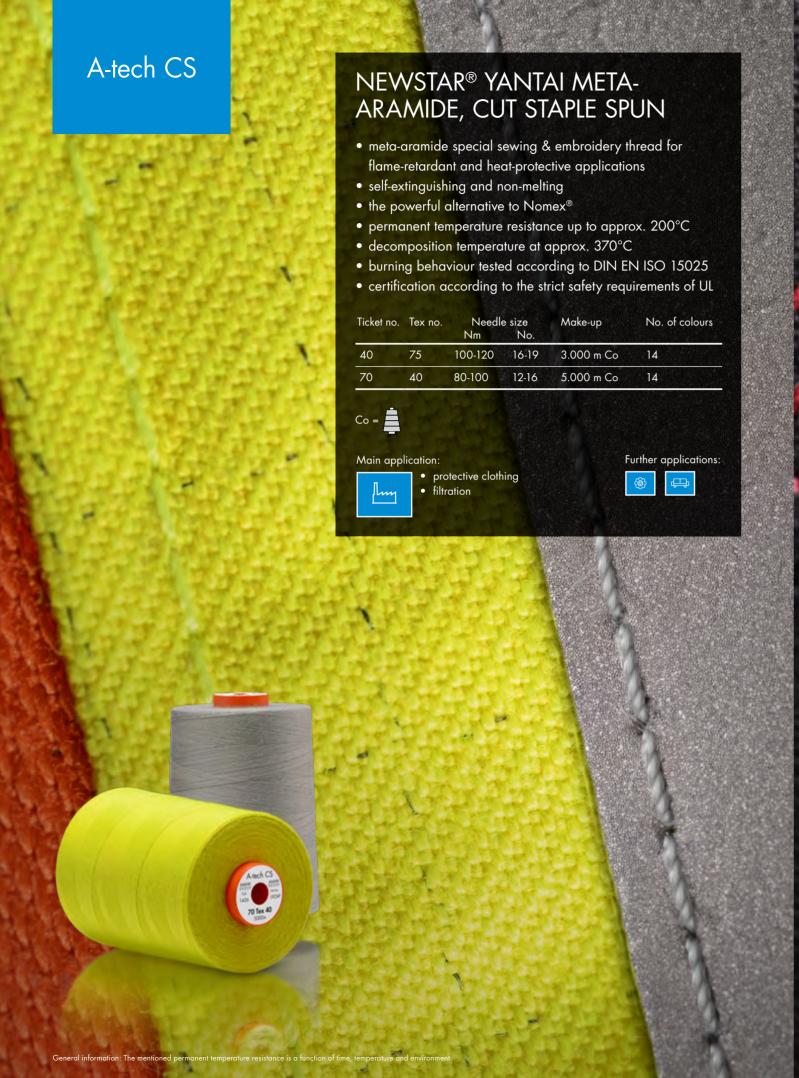




N-tech N-tech CS









45

Main application:



protective clothing

110-130

100-120

Nc-tech

18-21

16-19

2.000 m FS

3.000 m FS

K-tech



- 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.	THE PARTY NAMED IN	
35	80	120-140	19-22	3.000 m Co	ela de E
50	60	110-130	18-21	3.000 m Co	
<i>7</i> 5	40	100-120	16-19	5.000 m 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.	Needl	e size	Make-up	No. of colours
35/3	F	Nm	No.		
22	135	130-150	21-23	ca. 500 g/	10人
				3.000 m FS	



Main application



- profective clothing
- filtration
- composite

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 Nm	size No.	Make-up	Electric resistance
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 Nm	e size No.	Make-up	Electric resistance
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



Main application:



smart textiles

Further application:









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.







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Our management systems are certified according to:









Management System IATF 16949:2016

