

Coats® Astra™

Coats Astra is a best-in-class staple spun polyester (SSP) thread with significantly higher sewing performance compared with regular SSP threads.

It is an exceptional thread of its type with dependable sewing performance where cost matters.

Astra meets the highest environmental and safety standards and is 100% polyester.

COATS
astra



STAPLE SPUN
POLYESTER

WHY CHOOSE ASTRA?

- Astra makes for durable, long-lasting seams which look good throughout the sewn product lifetime
- Sewers prefer Astra due to reduced machine downtime, higher productivity and consistent sewing performance compared with regular SSP threads
- Low fault levels and dependable thread quality with everywhere availability
- Astra special use products are specifically engineered with additional benefits e.g. Astra Rugged, Astra WF and Astra Q
- Peace of mind from respected, responsible global company with clean and efficient operations
- Consistent global approach to manage and minimise the environmental impact
- High level of colour fastness
- STANDARD100 by OEKO-TEX® CLASS I

MAIN USES:

- Knitwear
- Wovens
- Shirts and blouses
- Jackets
- Children's apparel
- Dresses
- Workwear
- Economy denim
- Underwear



Coats Astra

PRODUCT RANGE

Fine Sizes

Article Ticket	Ticket	TEX	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
8754 180	180	18	5,000M	660	13 - 20	65 - 75
8754 150	150	21	5,000M	790	13 - 20	65 - 75
8754 140	140	21	5,000M	720	13 - 20	75 - 90
8754 120	120	27	5,000M	990	13 - 20	75 - 90
8754 110	110	27	5,000M	990	13 - 20	75 - 90
8754 100	100	30	5,000M	1,010	13 - 20	75 - 90
8754 090	90	30	5,000M	1,260	13 - 20	75 - 90
8754 080	80	40	5,000M	1,410	13 - 20	75 - 90

* Standard put-up length for fine sizes of Astra is 5000m. For long length put-up 10,000m; use article code 8756 in place of 8754. Some markets have alternative standard lengths; use 8740 for 4000m; use 8758 for 3000m.

Coarse Sizes

Article Ticket	Ticket	TEX	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
8720 025	25	105	2,000M	4,250	15 - 22	120 - 140
8720 024	24	120	2,000M	4,270	15 - 22	120 - 140
8720 020	20	150	2,000M	5,560	15 - 22	120 - 140
8710 018	18	180	1,000M	5,760	15 - 22	130 - 160
8710 015	15	200	1,000M	7,410	15 - 22	130 - 160
8710 010	10	240	1,000M	8,240	15 - 22	160 - 200

Some markets have alternative standard lengths; use 8720 for 2000m; use 8710 for 1000m.

Medium Sizes

Article Ticket	Ticket	TEX	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
8754 075	75	40	5,000M	1,500	13 - 20	90 - 110
8754 050	50	60	5,000M	2,200	13 - 20	100 - 120
8758 030	30	80	5,000M	3,180	15 - 22	110 - 130

Some markets have alternative standard lengths; use 8754 for 5000m; use 8758 for 3000m; use 8710 for 1000m.

CHEMICAL PROPERTIES

Mineral acids:	Resistant to most mineral acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Generally unaffected, but soluble in some phenolic compounds
Bleaching:	Unaffected
Insects / microorganisms (mildew, rot):	Unaffected
Moisture regain:	0.4%

FASTNESS PROPERTIES

Washing at 60°C	(ISO 105 C10:2006 C(3))	Grade 4
Water Fastness	(ISO 105 E01:2010)	Grade 4
Rub Fastness	(ISO 105 X12:2001)	Grade 4
Hypochlorite Fastness	(ISO 105 N01:1993)	Grade 4
Dry Cleaning Fastness	(ISO 105 D01:2010)	Grade 4
Perspiration Fastness	(ISO 105 E04:2009)	Grade 4
Artificial Light Fastness	(ISO 105 B02:1994)	Grade 4



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Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2022

Coats Astra

EXPERT REAL WORLD SUPPORT

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



Seamworks

Install our Seamworks software to accurately calculate costs prior to production, putting an end to the risk of over or under ordering materials, and incurring unnecessary extra costs. The Seamworks tool is provided with installation, training and ongoing support included.



One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



Training and Presentations

From thread selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



Embroidery Service Centre

Our Embroidery Service Centre makes embroidering a design much easier, increasing productivity at the same time as enhancing the design itself. Email the design and any problematic issues to us and our technicians will email the improved design right back.



Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit coats.com/astra

OTHER PRODUCTS IN THE ASTRA RANGE

To complement the Astra range, we also have a selection of specialist Astra threads. Each of these have additional benefits specific to the end use.

Product Name	Description
Astra Rugged	Staple spun polyester thread for denim that is specially engineered for particularly demanding bleach wash processes.
Astra EcoVerde	100% recycled staple spun polyester (SSP) thread across a wide range of recycled fabrics and materials.

Specialist Astra products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.



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