

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 Quilt
- 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
- Certified to Öko-Tex Standard 100, class I, the most stringent class covering textile items for babies and toddlers
- Meets Coats restricted substance list
- Suitable for vegan requirements

MAIN USES:

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



Coats Astra



PRODUCT RANGE

Fine Sizes

Art / Tkt	TEX	Ticket	Length	Strength cN	Elongation % Min - Max	Needle Size Metric
8754 180	18	180	5000m	660	13 - 20	65 - 75
8754 150	21	150	5000m	790	13 - 20	65 - 75
8754 140	21	140	5000m	720	13 - 20	75 - 90
8754 120	27	120	5000m	990	13 - 20	75 - 90
8754 110	27	110	5000m	990	13 - 20	75 - 90
8754 100	30	100	5000m	1010	13 - 20	75 - 90
8754 090	30	90	5000m	1260	13 - 20	75 - 90
8754 080	40	80	5000m	1410	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

Art / Tkt	TEX	Ticket	Length	Strength cN	Elongation % Min - Max	Needle Size Metric
8720 025	105	25	2000m	4250	15 - 22	120 - 140
8720 024	120	24	2000m	4270	15 - 22	120 - 140
8720 020	150	20	2000m	5560	15 - 22	120 - 140
8710 018	180	18	1000m	5760	15 - 22	130 - 160
8710 015	200	15	1000m	7410	15 - 22	130 - 160
8710 010	240	10	1000m	8240	15 - 22	160 - 200

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

THERMAL PROPERTIES

Melts at 250 - 260°C, softens at 220 - 240°C

Shrinkage less than 1% @ 150°C

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 2019

Medium Sizes

Art / Tkt	TEX	Ticket	Length	Strength cN	Elongation % Min - Max	Needle Size Metric
8754 075	40	75	5000m	1500	13 - 20	90 - 110
8754 050	60	50	5000m	2200	13 - 20	100 - 120
8758 030	80	30	5000m	3180	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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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.

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technological 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.

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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