

COATS
astra rugged



STAPLE SPUN
POLYESTER THREAD
FOR DENIM

Coats® Astra™ Rugged

When you choose Coats Astra Rugged thread, you can be confident of higher performance compared with regular staple spun polyester threads. Astra Rugged is part of the Astra thread range and is specially engineered for particularly demanding denim bleach wash processes.

Astra Rugged is for denim sewing. It has all the dependable properties of Astra and in addition, is particularly resistant to harsh wash processes containing bleach. Coats Astra Rugged thread is 100% polyester and offers consistent sewing performance where cost matters for economy denim programmes.

WHY CHOOSE ASTRA RUGGED?

- Specially lubricated to deliver excellent sewing performance
- Extensive colour range that is design to withstand most bleach wash processes
- Good abrasion resistance for demanding applications
- STANDARD 100 by OEKO-TEX® CLASS I

MAIN USES:

- Denim jeans
- Denim shirts
- Denim skirts
- Classic jeans
- Outdoor wear

PRODUCT RANGE

Article Ticket	Ticket	TEX	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
T754120	120	27	5,000M	990	13 - 20	75 - 90
T754110	110	27	5,000M	990	13 - 20	75 - 90
T754090	90	30	5,000M	1,260	13 - 20	75 - 90
T758080	80	40	3,000M	1,410	13 - 20	75 - 90
T754075	75	40	5,000M	1,260	13 - 20	90 - 110
T758075	75	40	3,000M	1,500	13 - 20	90 - 110
T758050	50	60	3,000M	2,200	13 - 20	100 - 120
T720030	30	80	2,000M	3,180	15 - 22	110 - 130
T720025	25	105	2,000M	4,250	15 - 22	120 - 140
T720024	24	120	2,000M	4,270	15 - 22	120 - 140
T720020	20	150	2,000M	5,560	15 - 22	120 - 140

Some markets have alternative standard lengths; use T740 for 4000m; use T758 for 3000m; use T720 for 2000m.



Coats Astra Rugged

CHEMICAL PROPERTIES

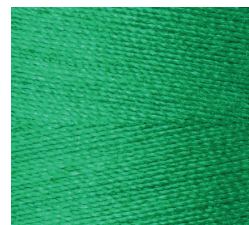
Mineral acids:	Resistant to most mineral acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Generally unaffected, but soluble in some phenolic compounds
Bleaching:	Unaffected
Insects / microorganisms (mildew,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

These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels.

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



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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.



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-rugged

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	Staple spun polyester (SSP) thread that is resistant to sunlight and chemical degradation.
Astra EcoVerde	100% recycled staple spun polyester (SSP) thread
Astra EcoVerde Rugged	100% recycled staple spun polyester (SSP) for denim 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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