



Coats® Eloflex™ AS

Coats Eloflex AS is a great option for soft and secure stretch seams designed for the needs of outdoor performance sportswear, woven outerwear and next-to-skin garments. Its controlled elongation minimises the risk of seam extension failure on stretch fabrics. The lower dynamic friction values of Coats Eloflex AS also enhance the uniformity of the stitch formation allowing neat, well balanced seams.

COATS
Eloflex™ AS



STRETCH
POLYESTER

2025

Why choose Coats Eloflex™ AS?

- Coats Eloflex AS delivers high extensibility and good seam strength with excellent sewability
- Controlled elongation which minimises the risk of seam extension failure on stretch fabrics
- The AS finish provides exceptional thread surface protection during sewing to allow for longer seam life
- Excellent static and dynamic friction values reduce leakage of “down” through the needle hole
- Provides solutions for oil-sensitive materials such as CO fabrics
- Allows for improved sewing performance on complex materials due to its higher heat shield
- OEKO-TEX® STANDARD 100, Product Class I

Main Uses:

- For stretch seams in performance sportswear and activewear





Product Range

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
03A3180	180	18	3,000 M	560	40 - 70	65 - 75
03A3120	120	27	3,000 M	900	40 - 80	75 - 90
03A3080	080	40	3,000 M	920	45 - 85	75 - 90
03A3060	060	50	3,000 M	1,020	40 - 70	100 - 120
03A2050	050	70	2,000 M	1,700	55 - 90	100 - 120
03A2030	030	105	2,000 M	2,550	55 - 90	110 - 130

Areas of Application

For lockstitch applications, always use Coats Eloflex both in the needle and the bobbin to achieve optimal stretch in the seam. Coats Eloflex has a high initial modulus which enables it to deliver the good loop formation properties that are critical to good machine sewing.

For soft and secure stretch seams for performance sportswear and next-to-skin garments, please refer to the below recommendations with Coats Eloflex:

Stitchtype	Seam Description		Stretch Soft	
			Option 1	Option 2
301	Lockstitch Operations	Needle Bobbin	Coats Eloflex 120 Coats Eloflex 120	Coats Eloflex 120 Coats Eloflex 120
406	Coverseam	Needle Looper	Coats Eloflex 120 Coats Gramax 160	Coats Eloflex 120 Coats Seamsoft 160
504 or 514	Overlock	Needle Looper	Coats Eloflex 120 Coats Gramax 160	Coats Eloflex 120 Coats Seamsoft 160
605 or 607	Flatseam	Needle Looper Spreader	Coats Eloflex 120 Coats Gramax 160 Coats Gramax 160	Coats Eloflex 120 Coats Seamsoft 160 Coats Gramax 160

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
Laundrying / dry cleaning	Unaffected
Moisture regain	0.2%

Fastness Properties

Washing Fastness 60°C	ISO 105-C10 C	Grade 4
Water Fastness	ISO 105-E01	Grade 4
Hypochlorite Fastness	ISO 105-N01	Grade 4
Dry Cleaning Fastness	ISO 105-D01	Grade 4
Perspiration Fastness	ISO 105-E04	Grade 4





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 www.coats.com

COATS
Eloflex™ AS



STRETCH
POLYESTER



Introducing Coats EcoVerde

COATS EcoVerde™

The first globally available 100% recycled line of GRS certified sewing threads. Coats EcoVerde delivers the same proven level of performance as the industry's leading non-recycled threads, but with a drastically reduced carbon footprint.

Ask Coats today about Coats EcoVerde Eloflex AS.
www.coats.com



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 from 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. Coats® is a registered trademark of J. & P. Coats, Limited. Eloflex™ is a trademark of J. & P. Coats, Limited. © Copyright reserved 2025.

JULY 2025