

Coats® Protos™ Steel

Coats Protos Steel is constructed with a special steel core and a para-aramid wrap, allowing it to offer a superior level of temperature resistance. The steel core can withstand temperatures of approximately 400°C under mechanical strain and up to 1000°C without any mechanical strain.

Coats Protos Steel is suitable for a broad range of technical textile applications where it may be exposed to high temperatures. These applications include; welding blankets and curtains, fire curtains, insulation jackets, thermal covers, heat and flame protective carpets, mats and tarpaulins as well as fire fighter uniforms and industrial heat and flame protective clothing.

COATS
protos steel



STEEL CORE WITH
PARA-ARAMID
WRAP

WHY CHOOSE PROTOS STEEL?

- Coats Protos Steel offers a superior level of temperature resistance. The steel core can withstand temperatures of approximately 400°C under mechanical strain and up to 1000°C without any mechanical strain
- Coats Protos Steel provides good sewing performance

MAIN USES

- Welding blankets and curtains
- Fire curtains
- Insulation jackets
- Thermal covers
- Heat and flame protective carpets, mats and tarpaulins
- Fire fighter uniforms
- Industrial heat and flame protective clothing



Coats Protos Steel

PRODUCT RANGE

Ticket	TEX	Dtex/ply	Support	Length
15	210	2100 x 1	Cone	2000 m
30	90	1000 x 1	Cone	2000 m

THERMAL PROPERTIES

The steel core can withstand temperatures of approximately 400°C under mechanical strain and up to 1000°C without any mechanical strain

ADDITIONAL INFORMATION

Coats Protos Steel sewing threads are suitable for use in heat and fire fighters' protective clothing according to EN ISO 11612, EN ISO 14116 and EN 469. They are not suitable for use in protective clothing for electricians and welders as the relatively low vertical resistance material cannot guarantee protection from the possibility of electrical shock by contact with live electric conductors



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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.



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 yarn 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.



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/protos-steel

OTHER PRODUCTS IN THE PROTOS RANGE

To complement the Protos range, we also have a selection of specialist Protos threads. Each of these combines the superior properties of the Protos product with additional benefits specific to the end use.

Product Name	Description
Protos	This slow-shrink, para-aramid yarn is designed to withstand high stranding speeds and makes an excellent dual-end binder in loose tube cables.
Protos Fil	High-strength, fire retardant para-aramid thread that is recommended for mattress tape edge seams or products exposed to high external heat.
Protos Ripcord PF	Para-aramid yarn that is engineered with a special twisting technology that improves its grip and offers easier cable ripping.
Protos Binder	This slow-shrink, para-aramid yarn is designed to withstand high stranding speeds and makes an excellent dual-end binder in loose tube cables.

Special use Protos 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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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 2021

