



Sterilization Flat Reel

Any Length. Any Instrument. · SKU KD-SB-FR

Continuous paper/film sterilization reel, 200 m per roll, in 12 widths from 50 mm to 500 mm. Cut to length and heat-seal to package instruments of any size. Steam, EO and formaldehyde indicators printed.

The flat sterilization reel is a continuous tube of medical-grade paper and transparent composite film, sealed along both edges. Staff cut exactly the length needed, seal both ends with a heat sealer, and produce a custom-sized pack for anything from a single probe to a long orthopaedic instrument.

The paper side provides the microbial barrier and allows sterilant penetration; the film side shows the contents and carries the printed steam, EO and formaldehyde indicators, which change colour irreversibly so that processed packs are never confused with unprocessed ones.



Specifications

Product Name	Sterilization Flat Reel
Roll Length	200 m per roll (100 m on request)
Widths	50, 55, 75, 100, 150, 200, 250, 300, 350, 400, 450, 500 mm
Material	60 g/m ² or 70 g/m ² medical-grade paper (French Arjowiggins paper available) + blue/white/green medical CPP/PET composite film
Process Indicators	Steam: blue → black · EO: pink → yellow · Formaldehyde: red → green
Sterilization Method	Steam, ethylene oxide, formaldehyde
Seal	Multi-line side seals, burst-resistant
Manufacturing Standard	ISO 11607-1, EN 868-5; ISO 13485 quality system; CE
Storage	Below 25 °C and 60 % RH; recommended validity 6 months after sterilization

Features

Cut to any length · Irreversible indicators · Three-side burst-proof seal · Clear film — see contents · Steam, EO & formaldehyde

How to use

- Cut the reel to the required length (allow at least 30 mm above the instrument) and seal one end with a heat sealer.
- Load the instrument with sharp tips pointing away from the peel side so the pack is not punctured and can be opened safely.
- Seal the second end and mark the sterilization date, contents and operator on the film side — never write on the paper.
- Process by steam, ethylene oxide or formaldehyde. The printed indicators change colour irreversibly: blue → black for steam, pink → yellow for EO, red → green for formaldehyde.
- Store in a clean, dry area below 25 °C and below 60 % RH. Recommended validity: 6 months after sterilization while the pack remains intact.



Applications

Hospital CSSDs, dental clinics, laboratories, beauty and tattoo studios, and any facility that packages instruments of varying length.

Packaging & shipping

Size (inch)	Size (mm)	Packing	Carton (mm)	N.W. (kg)	G.W. (kg)
2"	50 mm × 200 m	12 rolls/ctn	420 × 220 × 320	15	15.7
2.2"	55 mm × 200 m	12 rolls/ctn	420 × 220 × 350	16.5	17.2
3"	75 mm × 200 m	8 rolls/ctn	420 × 220 × 320	15	15.8
4"	100 mm × 200 m	6 rolls/ctn	420 × 220 × 320	15	15.8
6"	150 mm × 200 m	4 rolls/ctn	420 × 220 × 320	15	15.8
8"	200 mm × 200 m	2 rolls/ctn	420 × 220 × 220	10	10.8
10"	250 mm × 200 m	2 rolls/ctn	420 × 220 × 270	12.5	13.2
12"	300 mm × 200 m	2 rolls/ctn	420 × 220 × 320	15	15.8
14"	350 mm × 200 m	2 rolls/ctn	420 × 220 × 370	17.5	18.2
16"	400 mm × 200 m	2 rolls/ctn	420 × 220 × 420	20	20.8
18"	450 mm × 200 m	2 rolls/ctn	420 × 220 × 470	22.5	23.2
20"	500 mm × 200 m	2 rolls/ctn	420 × 220 × 520	25	25.8

Compliance

ISO 13485, ISO 11607, EN 868-5, CE. Manufactured under an ISO 13485 quality management system. Certificates and test reports available on request.

FAQ

What is the difference between a flat reel and a gusseted reel?

A flat reel is a two-layer tube for flat and thin instruments. A gusseted reel has folded side pleats that expand to accommodate bulky items such as bowls, kits and instrument sets.

Which side of the pouch should I write on?

Write on the plastic film side, outside the seal area, or on the sealing flap. Writing on the paper can damage the porous barrier and compromise sterility.

What sterilization methods can the pouch be used with?

Paper/film pouches and reels are suitable for steam (autoclave), ethylene oxide (EO) and formaldehyde sterilization. They are not intended for dry-heat or hydrogen peroxide plasma processes, which require



Tyvek® or non-woven materials.

What is the recommended storage life after sterilization?

Under clean, dry storage below 25 °C and 60 % RH we recommend a validity of 6 months after sterilization, provided the seal and packaging are undamaged. Facilities should follow their own event-related sterility policy.

Request a quotation: <https://kangdemed.com/request-quote?product=sterilization-flat-roll> · Jason.wangxiaokang@gmail.com · WhatsApp +86 199 5663 5178