

Microfilm & More



Microfilm continues to play a major role as the foundation of document imaging systems. The key reasons are:

Reliability

Microfilm is an archival medium. Documents filmed 80 years ago are retrievable and readable today. How many other media can make the same claim?

ISO standard

Microfilm is a compatible medium. When you store information on microfilm, you shield it from possible changes in proprietary technology.

Low cost

Microfilm provides compact, efficient storage at a very low cost-per-image. Its archival qualities also make the best choice for long-term, off-line information storage.

Reproducibility

Microfilm is very inexpensive to duplicate. You can quickly and conveniently distribute large quantities of document information to other people who need to access it.

Scannability

Microfilm is readily converted to electronic data for networked distribution and digital storage. Devices such as the KODAK i7300 Scanner provide outstanding image quality from microfilm that accurately renders details when viewed on computer displays.

The bottom line is that microfilm is here to stay. It provides a safe, secure, standardized base for your imaging systems that can migrate with technology to provide even faster access to information.

We'll take your microfilm into the future with multiple strategies.

To help you create the imaging solution that's best for you, Kodak offers much more than media, with choices at every step of the way:

Capture—

microfilmmers, filmwriters, microimagers, and scanners for the full range of document types and processing volumes

Manage—

software and systems that provide indexing, retrieval, and routing, together with connections to other information systems

Archive—

microfilms and quality images that last for 500 years

Deliver—

printers, microfilm scanners, and network delivery software that enable you to send images where you want them

With our unique mix, we can support systems based on micrographics, electronics, or a hybrid of both. So you get what you want, without paying for what you don't need.

Let our history of innovation in imaging expertise work for you.

Our customers count on us for consistent quality. And with good reason. Kodak invented the commercial application of imaging back in 1928. Then, in 1933, we introduced the world's first rotary microfilm camera to provide high-speed filming of bank checks.

Our history since then has been one of continuous improvement and innovation. Today, nobody understands how to optimize the performance of micrographic and imaging products better than we do.

Kodak maintains large-scale, dedicated manufacturing facilities with specialized technology and quality assurance procedures. We have been awarded ISO 9002 quality certification for manufacturing imaging equipment and media. Our global distribution network keeps a steady supply of fresh microfilm going to our customers. We do all of this to make sure that your document imaging solution delivers the reliability you demand.

When it comes to providing you with the equipment and software you need to access your information stored on microfilm, Kodak is an industry leader. And we have strategies to integrate microfilm with digital storage.

Support for an open information future.

The technology that supports imaging is changing every day. Your imaging vendor should help you keep up. That's why Kodak spends a billion or more dollars on research every year. Your Kodak representative can draw on innovations from other divisions within the company to create unique, custom solutions tailored to your company's needs. You also benefit from Kodak's commitment to document imaging. We know that providing open solutions and evolutionary pathways is the best way to keep customers for the long term.

The true value of Kodak media is more than what comes in the box.

When you do business with Kodak, you get much more than just hardware, software, and media. You also get a comprehensive package of service and support programs designed to provide complete customer satisfaction.

We maintain computerized networks to get supplies, parts, and service where they are needed quickly. Our field service engineers use the latest laptop diagnostic tools. And technical support for equipment, software, media, and film processing information is as close as your telephone.

Protect your business and the environment with our umbrella of value-added programs.

KODAK IMAGE GUARD and INFOGUARD Programs

These programs provide full processing, quality monitoring and control. They include monthly testing by the Quality Assurance Lab to help assure you of consistent, reliable images. Contact the Quality Assurance Lab by phone at 1-800-943-4561 or (585) 477-2912.

KODAK Microfilm Disaster Recovery Program

This program is an investment in safety at no cost to you. We can restore or recreate your damaged film—absolutely free of charge. To qualify, the film must be purchased from Kodak or through an Authorized Distributor or Reseller of KODAK Microfilm and processed through a lab monitored by Kodak or in-house to Kodak's quality specifications and with KODAK Chemicals.

KODAK Micrographics Environmental & Safety Program

This program helps those who process film to comply with environmental, health, and workplace safety regulations. It includes guidance on silver recovery, recycling, and waste management. Material Safety Data Sheets are included with all relevant KODAK Products. Contact the Kodak Environmental Hotline at (585) 477-3194 or visit the KES web site: kodak.com/go/KES

KODAK Bin Return Program

This program takes back the plastic cores, reels, black or silver film bags, and flip-top boxes used in the packaging of KODAK Microfilm Products and offers secure microfilm destruction. We also provide "invisible packaging" for KODAK KOMSTAR and OPTISTAR Image Writer Microfilm cartridges. We take back everything: cartridges, corrugated case, molded poly tray, shrink wrap, desiccant, thermal cover, hood, and white film clip, where applicable.





KODAK Products for Imaging. Reference Archive Media

KODAK Reference Archive Media, specially formulated for use in the KODAK i9600 Series Writers, provides clear, high-contrast, sharp images for retrieval as high-quality human-readable duplicates and crisp paper prints. These high-resolution, archival-quality images can easily be scanned for reintegration to a digital system.

KODAK Reference Archive Media / 1433 / ESTAR Base

KODAK Reference Archive Media / 3433 / ESTAR Thin Base

Source Document Microfilms

KODAK IMAGELINK Microfilms are formulated to provide outstanding imaging performance for scanning into electronic image systems and viewing on conventional reader-printer screens.



KODAK IMAGELINK HQ Microfilm – A medium-speed film for producing ultra-high resolution images in rotary and planetary microfilmers.

KODAK Professional Microfilm, Type I / 1461 / ESTAR Base

KODAK IMAGELINK HQ Microfilm / 1446 / ESTAR Base

KODAK IMAGELINK HQ Microfilm / 2461 and 2446 / ESTAR Base

KODAK IMAGELINK HQ Microfilm / 3461 and 3446 / ESTAR Thin Base



KODAK IMAGELINK FS Microfilm – A high-speed film ideal for producing high-quality images in high-speed camera sorters, proof encoders, and rotary microfilmers.

KODAK IMAGELINK FS Microfilm / 1455 / ESTAR Base

KODAK IMAGELINK FS Microfilm / 2455 / ESTAR Base

KODAK IMAGELINK FS Microfilm / 3455 / ESTAR Thin Base



KODAK IMAGELINK CS Microfilm – A fast-speed film for high-quality images in high-speed camera sorters with xenon flash exposure.

KODAK IMAGELINK CS Microfilm / 3453 / ESTAR Thin Base

KODAK IMAGELINK CP Microfilm – A fast-speed film for high-quality images in high-speed cameras. Specially designed for “through film base” fluorescent exposures.

KODAK IMAGELINK CP Microfilm / 3450 / ESTAR Thin Base



KODAK IMAGELINK BE Microfilm – A medium-speed film similar to KODAK IMAGELINK HQ Microfilm for producing ultra-high resolution images specifically in NCR camera sorters.

KODAK IMAGELINK BE Microfilm / 3439 / ESTAR Thin Base



Wet COM Microfilm

KODAK COM DR Microfilm – A slow-speed film with a direct-reversing emulsion designed for use in blue phosphorous CRT-type computer output microfilmers. Eliminates the need for a "full reversal" processing system and the use of dichromate bleach. Used in roll-film COMs.

KODAK COM DR Microfilm / 2467 / ESTAR Base



Dry Laser COM Microfilm

KODAK DL Microfilms – Extremely fine-grain, high-contrast dry laser microfilms for use in KODAK KOMSTAR and OPTISTAR Microimage Processors, KODAK OPTISTAR Datawriters, and KODAK OPTISTAR Image Writers. Offer a high-quality, thermally processed image.

KODAK IMAGELINK DL 1000 Microfilm / 2482



Duplicating Films

Silver Print/Direct Duplicating Microfilms – Micro-fine grain, silver reverse-image films used for making contact prints from camera microfilms and duplicate microfilms. 4462 film is used for microfiche applications; 2462 and 3462 films are used for roll-film applications.

KODAK Duplicating Microfilm / 2462 / ESTAR Base

KODAK Duplicating Microfilm / 3462 / ESTAR Thin Base

KODAK Duplicating Microfilm / 4462 / ESTAR Thick Base



Direct Duplicating Microfilms – Micro-fine grain, silver, direct-image films used for making contact prints from camera microfilms and duplicate microfilms. 4468 film is used for microfiche applications; 2468 and 3468 films are used for roll-film applications. 2470 film is used for making intermediate direct-image contact prints.

KODAK Direct Duplicating Microfilm / 2468 / ESTAR Base

KODAK Direct Duplicating Microfilm / 3468 / ESTAR Thin Base

KODAK Direct Duplicating Microfilm / 4468 / ESTAR Thick Base

KODAK Direct Duplicating Intermediate Microfilm / 2470 / ESTAR Base

KODAK Positive Print Duplicating Microfilm / 2440 / ESTAR Base

KODAK Positive Print Duplicating Microfilm / 3440 / ESTAR Thin Base

KODAK Positive Print Duplicating Microfilm / 4440 / ESTAR Thick Base

Thermal Print Films – Vesicular, heat-processed films suitable for generating distribution copies (usually negative-appearing) in fiche or roll format from positive-appearing computer-output microfilms or other camera-original films.

KODAK Thermal Print Film KF 1353 / Polyester Base

KODAK Thermal Print Film KF 2353 / Polyester Base

KODAK Thermal Print Film KF 3353 / Polyester Base

Thermal Print Film – A non-silver, direct-contact, vesicular duplicate film used to duplicate dry laser COM film, such as KODAK IMAGELINK DL 1000 Microfilm / 2482. Heat-processing and daylight handling for convenience without chemistry or darkrooms.

KODAK Premium 1000 Thermal Print Film 1323

Diazo Print Films – Diazo Microfilm (ESTAR Base) is a fast-speed, non-silver print film suitable for generating direct-duplicating copies in fiche or roll form from silver or reprintable diazo films. Typically used to produce negative-appearing copies.

KODAK Diazo C Microfilm 1957

KODAK Diazo C Microfilm 2957

KODAK Diazo C Microfilm 3957

KODAK Diazo C Microfilm 4957

KODAK Diazo D Microfilm 1956

KODAK Diazo D Microfilm 2956

KODAK Diazo D Microfilm 3956

KODAK Diazo D Microfilm 4956

KODAK Diazo D Tonal Black Microfilm 2463

KODAK Diazo D Tonal Black Microfilm 3463

Chemicals and Processing Aids

Professional KODAK Chemicals are performance balanced to work with films and processing equipment to produce optimum results.

- For KODAK PROSTAR Processors
- For Deep-Tank Processors
- For Medium-Tank Processors
- COM DR Direct Reversal Processing
- System Cleaners
- KODAK PROSTAR Processing Aids
- KODAK VERSAMAT Processing Aids
- Chemicals for Plain-Paper Readers-Printers

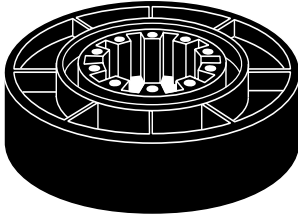
Sundries

- Cartons
- Return Reels
- Ink Rollers, Inks, and Imprinting Ribbons
- Film Magazines
- KODAK OPTISTAR Supplies
- RECORDAK Supplies
- Splicing Equipment
- Splicer Tape

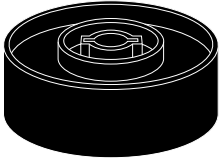


Core, Spool, and Center-Hole Specifications

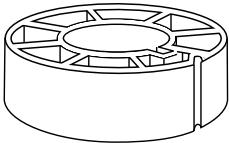
16 mm Core and Spool Specifications



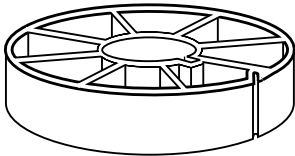
Type N plastic core, 3" OD, 16 mm. 1" round center hole with 10 keyways. No film slot. Sp. 439, 607.



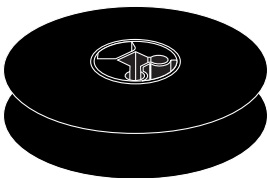
Type B plastic core, 2" OD, 16 mm. 0.320" round center hole with two keyways, for use on Unisys, NCR, IBM, and other reader sorters. Sp. 407, 648N.



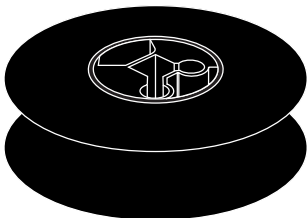
Type T plastic core, 2" OD, 16 mm. 1" round center hole with keyway. With film slot. Sp. 367, 642, 642J.



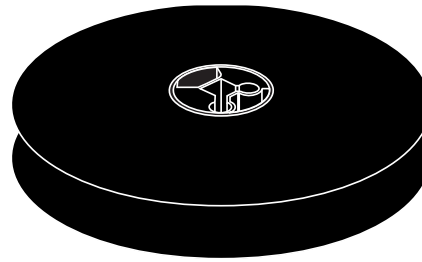
Type Z plastic core, 3" OD, 16 mm. 1" round center hole with keyway. With film slot. Sp. 649.



R-236 plastic spool, flange diameter 2.750", 16 mm x 50'. Square hole with two keyways and two offset round drive holes (each hole attached to keyway). Both flanges.* 1.25" core diameter. Sp. 444.

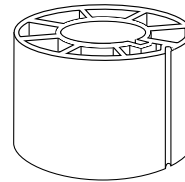


R-186 plastic spool, flange diameter 3.600", 16 mm x 100'. Square hole with two keyways and two offset round drive holes (each hole attached to keyway). Both flanges.* 1.25" core diameter. Sp. 603, 615.

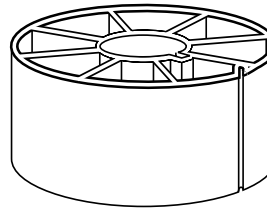


R-204 plastic spool, flange diameter 4.940", 16 mm x 200'. Square hole with two keyways and two offset round drive holes (each hole attached to keyway). Both flanges.* 1.25" core diameter. Sp. 641.

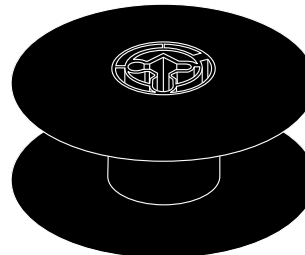
35 mm Core and Spool Specifications



Type U plastic core, 2" OD, 35 mm. 1" round center hole and keyway. With film slot. Sp. 362, 756.



Type K plastic core, 3" OD, 35 mm. 1" round center hole and keyway. With film slot. Sp. 684



R-200 plastic spool, flange diameter 3.610", 35 mm x 100'. Side 1 – Square hole with three keyways and two offset drive holes. Side 2 – Square hole with two keyways and two offset drive holes.* 1.265" core diameter. Sp. 425.

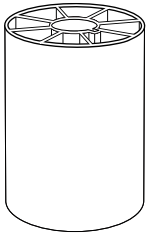
105 mm Core and Spool Specifications



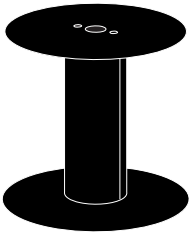
Type UU plastic core, 2" OD, 105 mm. 1" round center hole and keyway. With film slot. Sp. 827, 833, 906.

*Center hole configuration aligned on both flanges.

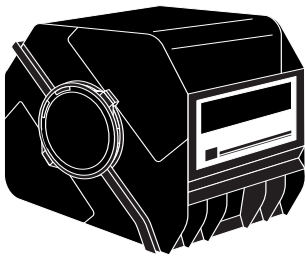
105 mm Core and Spool Specifications (continued)



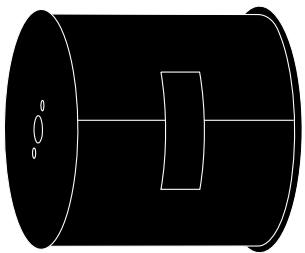
Plastic core, 3" OD, 105 mm. 1" round center hole and keyway. Thermal print film only. Sp. 944, 944R, 977.



S-126 spool, flange diameter 4.375", 105 mm x 100'. Round center hole with two round drive holes. Both flanges,* 1.5" core diameter. Sp. 832.

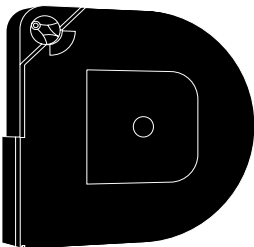


COM-PACK Cartridge – Roomlight-loading cartridge containing 105 mm film wound on a plastic core. Capacity 4 mil-125 m. Physical characteristics: height 6.5" (165 mm) depth 7.375" (187.5 mm) width 5.313" (135 mm) Sp. 987



Roomlightload package – The roomlight-load package is designed for loading film into a camera magazine in room light. The package is shipped in a black polyethylene bag for extra protection. Do not leave the package in room light for more than two hours after it is removed from the polyethylene bag. Sp. 827, 833.

16 mm Cartridges



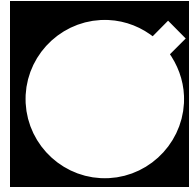
COM-PACK Cartridge – Roomlight-loading cartridge containing 16 mm film wound on a plastic core. Physical characteristics:

Small (Approximately 500') cartridge size: height 7.375" depth 1.375" width 7.563" Sp. 482, 682

Large (Approximately 1000') cartridge size: height 10.938" depth 1.375" width 11.063" Sp. 489

Center Hole Specifications

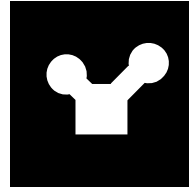
Types K, T, U, Z, UU, Modified E— 1" round center hole with keyway



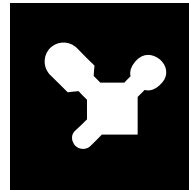
S-83, R-90, R-153, S-163— 0.320" square hole with keyway



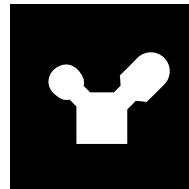
R-186, R-204— 0.320" square hole with two keyways and two offset round drive holes (each hole attached to keyway)



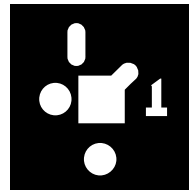
R-200 (side 1)— 0.320" square hole with three keyways and two offset drive holes (each hole attached to keyway)



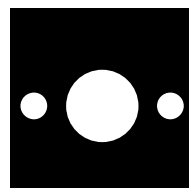
R-200 (side 2)— 0.320" square hole with two keyways and two offset drive holes (each hole attached to keyway)



R-190— 0.320" square hole with keyway and two offset round drive holes, one elliptical hole, and side 1 and side 2 markings



S-126, S-152— 0.500" round hole with two round drive holes



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Notes:

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Kodak

Microfilm & More

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