



NATURAL KLIK REELS™

PRODUCT DESCRIPTION

Natural KLIK REELS™ supplied by Advanced Integrated Materials provide users a durable, robust take up reel designed for maximum protection of tape and reeled components. The high impact polystyrene take up reels are available from our manufacturing sites world-wide. The full range of tape widths and hub dimensions are catered for to provide optimum component protection and packaging strength.

BASE MATERIAL

High Impact Polystyrene

SURFACE RESISTIVITY

Surface resistivity greater than 1×10^{12} ohms per square

COLOUR AND WINDOWS

KLIK REELS™ are available in white or blue dependent upon the manufacturing location and provide 3 or 5 windows per flange for easy visual reference whilst maintaining ample labelling space and reel strength.

RECYCLABLE SPACE SAVING DESIGN

The unique inter-stacking design of our KLIK REELS™ allows high density storage offering up to a 180% space saving compared to assembled reel. KLIK REELS™ can be easily disassembled without reel damage for reuse and recycling. This efficient, recyclable design allows users to minimize storage space thereby reducing overall cost of ownership whilst providing an environmentally ISO 14000 friendly reel.



REEL DIAMETER

Our Natural KLIK REELS™ are available in 13-inch (330mm) reel diameters for the full range of tape increments for 8mm – 56mm carrier widths.

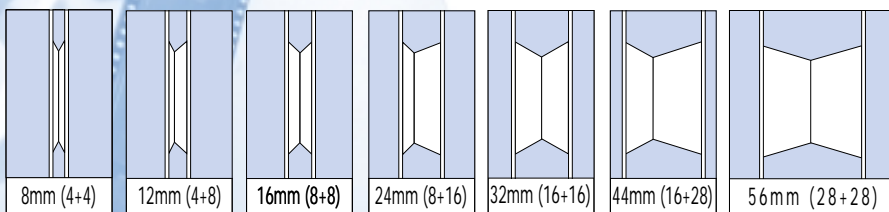
SHELF LIFE AND STORAGE CONDITIONS

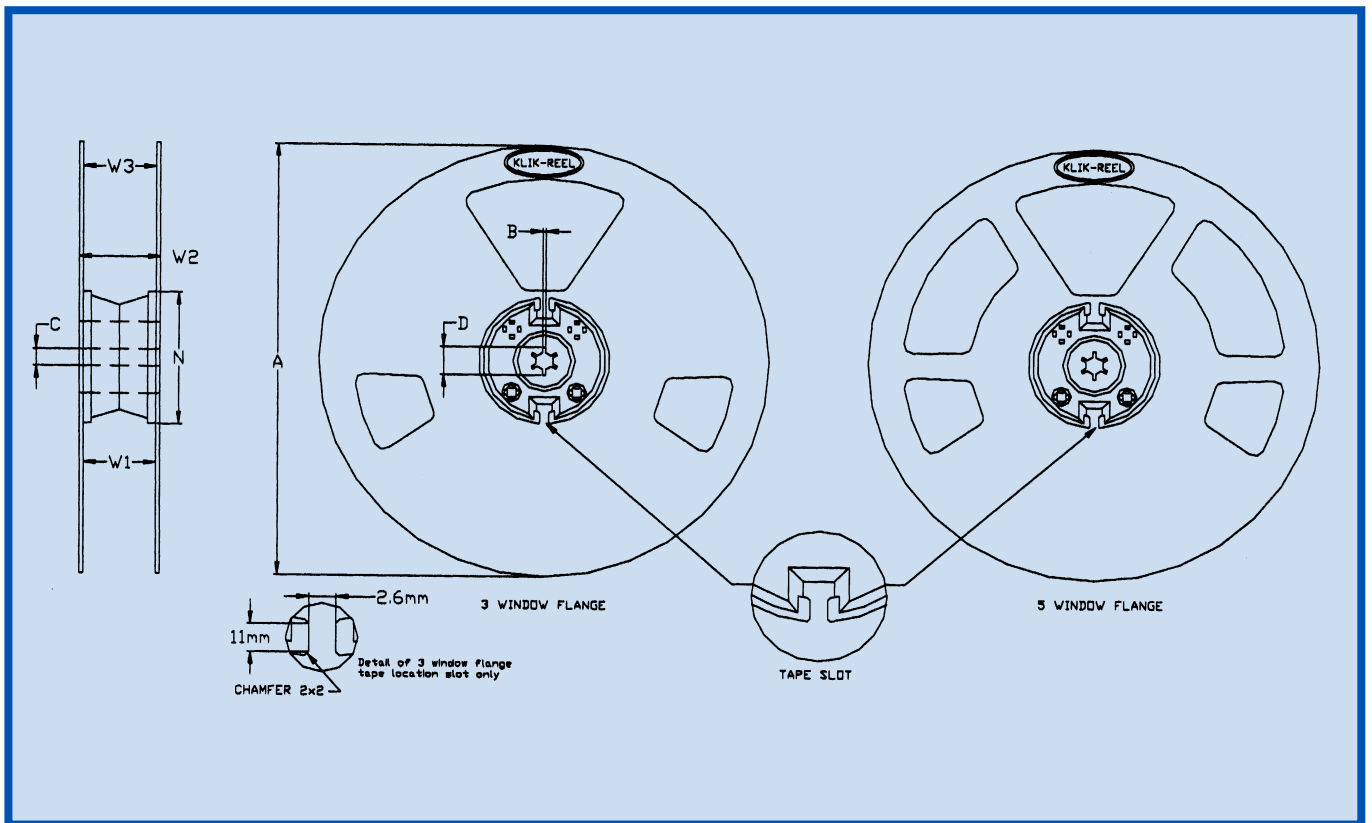
With a shelf life of two years, the recommended storage conditions for KLIK REELS™ include storage indoors away from direct sunlight within a temperature range of 18° to 35°C (64° to 95°F) and relative humidity levels of 35% – 65%.

HUB WIDTH AND ASSEMBLY

KLIK REELS™ are supplied in two halves enabling quick, easy self-assembly. The two halves are clicked together to form the assembled reel. Our Natural KLIK REELS™ are available with a 4-inch (100mm) hub diameter to offer component protection no matter what size or pitch. The illustrations below outline the hub widths available to provide a finished reel.

COMBINATION GUIDE FOR NATURAL KLIK-REELS





DIMENSIONS FOR ASSEMBLED NATURAL KLIK REELS™
WITH 4-INCH (100MM) DIAMETER HUBS
 (All dimensions in mm)

Tape Width	A Diameter	B (min)	C	D (min)	N Hub	W1	W2 (max)	W3 (min)	W3 (max)
8	330	1.5	13 +/-0.2	20.2	100 +/- 1mm	8.40 +1.5 -0.0	14.4	7.9	10.9
12	330	1.5	13 +/-0.2	20.2	100 +/- 1mm	12.4 +2.0 -0.0	18.4	11.9	15.4
16	330	1.5	13 +0.5 -0.2	20.2	100 +/- 1mm	16.4 +2.0 -0.0	22.4	15.9	19.4
24	330	1.5	13 +0.5 -0.2	20.2	100 +/- 1mm	24.4 +2.0 -0.0	30.4	23.9	27.4
32	330	1.5	13 +0.5 -0.2	20.2	100 +/- 1mm	32.4 +2.0 -0.0	38.4	31.9	35.4
44	330	1.5	13 +0.5 -0.2	20.2	100 +/- 1mm	44.4 +2.0 -0.0	50.4	43.9	47.4
56	330	1.5	13 +0.5 -0.2	20.2	100 +/- 1mm	56.4 +2.0 -0.0	62.4	55.9	59.4

*Shall accommodate tape without interference

ALL OTHER DIMENSIONS AND TOLERANCES ARE FULLY COMPLIANT WITH EIA-481-B

FLANGE (1/2 REEL) PART NUMBERING REFERENCE GUIDE

Please see combination guide details for flange width required.

FLANGE (1/2 REEL)		PART NUMBERING REFERENCE GUIDE		
Flange Part No.	Hub Width Millimetres	Hub Diameter Inches	Flange Diameter Inches	Windows Replace * with number of windows required when ordered
KR04X4X13NW*	4	4	13	3 or 5
KR08X4X13NW*	8	4	13	3 or 5
KR16X4X13NW*	16	4	13	3 or 5
KR28X4X13NW*	28	4	13	3 or 5

* Please see combination guide for widths required, please note that 3 window designs may not be combined with 5 window designs. Window availability and colour is dependent upon manufacturing location and must be specified at the time of ordering. Contact customer service for full details.

QUANTITY PER BOX

Natural KLIK REELS™ are provided with 44 flanges for 4mm hub widths and 50 flanges per box for 8mm, 16mm and 28mm hub widths.

WARRANTY STATEMENT

All products come with a one year limited warranty.

CUSTOMER SERVICE

Our global customer service and technical support teams can assist in all aspects of specifying and sourcing your entire in-house taping requirements. Our extensive open tooling database is utilised to search for available exact fit carrier tapes. Advanced Integrated Materials design carrier tapes for all standard and non-standard components and can assist in cover tape and KLIK REEL™ recommendations. Materials required for in-house tape & reel and finished goods operations are also supplied. Please contact our local customer service departments at the relative location nearest you. Complete contact details are available from our website contact page.

OTHER PRODUCTS AND SERVICES AVAILABLE

In addition to our KLIK REELS™, we offer a complete range of all materials necessary for tape and reel operations including: carrier tape materials, cover tapes, humidity indicator cards, moisture barrier bags, desiccant and other sundry semiconductor finishing materials. Also available from our parent company Reel Service is full subcontract tape and reel, inspection and programming capabilities. Please contact our customer service team for further information on our complete range of tape and reel products and services.



Global packaging, local to you



A member of ASTI

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www.reelservice.com