

## ANTISTATIC KLIK REEL

### PRODUCT DESCRIPTION

Antistatic KLIK REELS manufactured by Advanced Integrated Materials provide users a durable, robust take up reel designed for maximum protection of tape and reeled components. These high impact polystyrene reels are manufactured with an integrated antistatic additive and are available from 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 with Integrated Antistatic Additive

### SURFACE RESISTIVITY

Antistatic with surface resistivity less than  $1 \times 10^{12}$  ohms per square.

### COLOUR AND WINDOWS

KLIK REELS are available in white or black 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 KLIK REELS allows high density storage offering up to 180% space saving compared to assembled reels. KLIK REELS can be easily disassembled without reel damage for reuse and recycling.

This efficient, recyclable design allows users to minimise storage space thereby reducing overall cost of ownership whilst providing an environmentally ISO 14000 friendly reel.



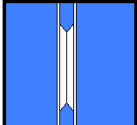
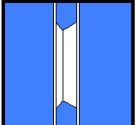
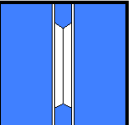
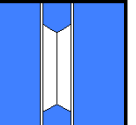
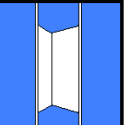
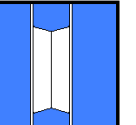
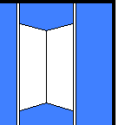
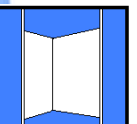
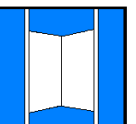
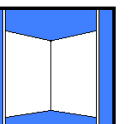
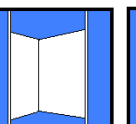
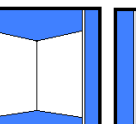
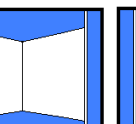
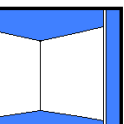
### REEL DIAMETER

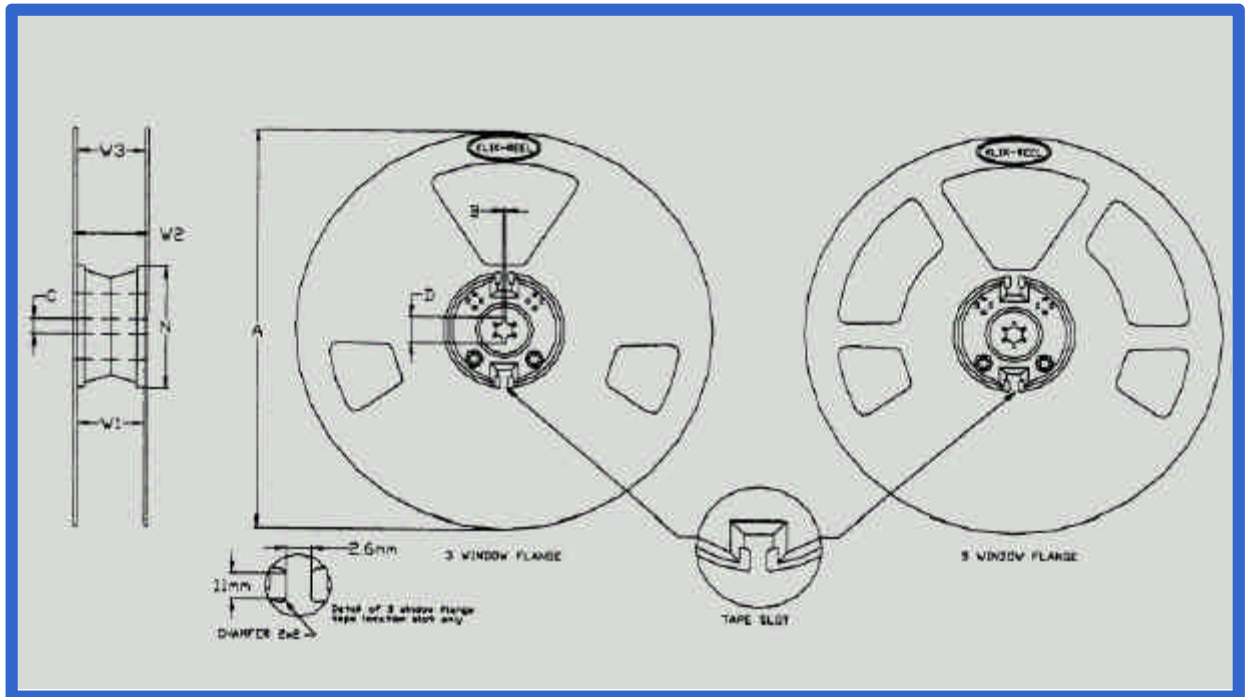
KLIK REELS are available in 13inch (330mm) or 15inch (380mm) reel diameters and all tape increments for 8mm – 120mm carrier widths.

### HUB WIDTH AND ASSEMBLY

KLIK REELS are supplied in two halves enabling quick, easy self-assembly. The two halves are simply clicked together to form the assembled reel. The hub diameter is available in 3 sizes: 4 or 6 inches (100 and 150mm) to offer maximum component protection no matter what size or pitch. The illustrations below outline the hub widths available to provide a finished reel.

### COMBINATION GUIDE FOR KLIK REELS

 8mm (4 + 4)	 12mm (4 + 8)	 12mm (6+6)	 16mm (8 + 8)	 24mm (8 + 16)	 24mm (12+12)	 32mm (16+16)
 44mm (16+28)	 44mm (22+22)	 56mm (28+28)	 72mm (28+44)	 88mm (44+44)	 104mm (44+60)	 120mm (60+60)



**DIMENSIONS FOR ASSEMBLED KLIK REELS WITH 4 AND 6 INCH (100 AND 150MM) 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 / 380	1.5	13 +/- 0.2	20.2	100 +/- 1mm	8.40 +1.5 -0.0	14.4	7.9	10.9
12	330 / 380	1.5	13 +/- 0.2	20.2	100 +/- 1mm	12.4 +2.0 -0.0	18.4	11.9	15.4
16	330 / 380	1.5	13 +0.5 -0.2	20.2	100 or 150 +/-1mm	16.4 +2.0 -0.0	22.4	15.9	19.4
24	330 / 380	1.5	13 +0.5 -0.2	20.2	100 or 150 +/-1mm	24.4 +2.0 -0.0	30.4	23.9	27.4
32	330 / 380	1.5	13 +0.5 -0.2	20.2	100 or 150 +/-1mm	32.4 +2.0 -0.0	38.4	31.9	35.4
44	330 / 380	1.5	13 +0.5 -0.2	20.2	100 or 150 +/-1mm	44.4 +2.0 -0.0	50.4	43.9	47.4
56	330 / 380	1.5	13 +0.5 -0.2	20.2	100 or 150 +/-1mm	56.4 +2.0 -0.0	62.4	55.9	59.4
72	330	1.5	13 +0.5 -0.2	20.2	150 +/-1mm	72.4 +2.0 -0.0	89	*	*
88	330	1.5	13 +0.5 -0.2	20.2	150 +/-1mm	88.4 +2.0 -0.0	105	*	*
104	330	1.5	13 +0.5 -0.2	20.2	150 +/-1mm	104.4 +2.0 -0.0	121	*	*
120	330	1.5	13 +0.5 -0.2	20.2	150 +/-1mm	120.4 +2.0 -0.0	137	*	*

**\*Shall accommodate tape without interference**

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

The above information is accurate to the best of the company's knowledge or is obtained by sources believed by the company to be accurate and does not imply any legally binding assurance. The Company reserves the right to introduce at any time improvement to the above product without prior notice.

Flange (1/2 Reel) Part Numbering Reference Guide (Please see combination guide details for flange width required)					
Flange Part No.	Hub Widths Millimetres	Hub Diameter Inches	Flange Diameter Inches	Windows	Colour
KR04X4X13D3	4	4	13	3	White
KR08X4X13D3	8	4	13	3	White
KR16X4X13D3	16	4	13	3	White
KR28X4X13D3	28	4	13	3	White
KR08X6X13D3	8	6	13	3	White
KR16X6X13D3	16	6	13	3	White
KR28X6X13D3	28	6	13	3	White
KR44X6X13D3	44	6	13	3	White
KR60X6X13D3	60	6	13	3	White
KR04X4X15DB5	4	4	15**	5	Black
KR06X4X15DB5	6	4	15**	5	Black
KR08X4X15DB5	8	4	15**	5	Black
KR12X4X15DB5	12	4	15**	5	Black
KR16X4X15DB5	16	4	15**	5	Black
KR22X4X15DB5	22	4	15**	5	Black
KR16X6X15DB5	16	6	15**	5	Black
KR22X6X15DB5	22	6	15**	5	Black
KR28X6X15DB5	28	6	15**	5	Black



Availability and Flange Per Box		
Flange Hub Width	4 Inch (100mm) Hub Diameter Flanges per box	6 inch (150mm) Hub Diameter Flanges per box
4mm	44/50***	n/a
6mm	50***	n/a
8mm	50	50
12mm	50	n/a
16mm	50	54/50***
22mm	50***	50***
28mm	50	40/50***
44mm	50	25
60mm	n/a	TBA

\*\*\* Black Only

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## SHELF LIFE AND STORAGE CONDITIONS

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

## WARRANTY STATEMENT

All products come with a one year limited warranty.

## CUSTOMER SERVICE

Our 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 and reel and finished goods operations are also supplied. Please contact our local customer service department at the address below.

## 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 company is a full subcontract Tape & Reel packaging and device programming service. 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



### Enquiries:

Tape & Reel - Carol Grant

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Device Programming – Carol Grant

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Materials Supply – Shirley Kinnear

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