



ACRONYM	MEANING
A	A Flute - approx 1/4" high
B	B Flute - approx 1/8" high
C	C Flute - approx 3/16" high
E	E Flute - approx 1/16" high
F	F Flute - approx 1/32" high
HH	Hand Hole
MRA	Moisture resistant adhesive
WRA	Water resistant adhesive
K	Kraft (brown)
#3 WHT	White with some brown showing through
Clay	White with some brown showing through
Mottled	White with some brown showing through
#1 White	Solid white throughout (bleached)
Bleach White	Solid white throughout (bleached)
PLN	Plain - no printing
1P/1C	Printed 1 panel, 1 color
2P/1C	Printed 2 panels, 1 color
4P/2C	Printed 4 panels, 2 colors
AQ	Aqueous coating
SBS	Solid Bleach Sulfate
CCNB	Clay Coated News Back
VD	Variable Depth Box
ECT	Edge Crush Test
32	Edge Crush Strength
40	Edge Crush Strength
44	Edge Crush Strength
48	Edge Crush Strength
52	Edge Crush Strength
#	Mullen or Bursting Test
150	Bursting Strength
175	Bursting Strength
200	Bursting Strength
275	Bursting Strength
350	Bursting Strength
500	Bursting Strength
LDPE	Low Density Polyethylene
HDPE	High Density Polyethylene
HIPS	High Impact Polystyrene

RATED FOR 30 YEARS

TYPES OF BOARD AND COMMON GRADES			
BOARD TYPE	MULLEN TEST	ECT	MAX. LOAD
SINGLE WALL	125	23	20
	150	26	35
	175	29	50
	200	32	65
	250	40	80
	275	44	95
	350	55	100
DOUBLE WALL	200	42	80
	275	48	100
	350	51	120
	400	61	140
	500	71	160
	600	82	180
TRIPLE WALL	700	67	240
	900	80	260
	1100	90	280
	1300	125	300

*Mullen and ECT tests measured in PSI, Load measured in LBS.

TYPES OF JOINTS



Stitch Joint



Tape Joint



Glue Joint

STITCH JOINT

The strongest available joint. It uses large industrial staples and is generally reserved for the heaviest or most abused packages. The stitch flap can be placed either on the inside or outside of the carton.

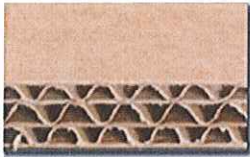
TAPE JOINT

Taped boxes have no additional flap, instead the two ends of the box blank butt up against one another and then tape is applied. This joint is about as strong as glue but is used when the additional flap is unwanted on either the inside or outside of the box.

GLUE JOINT

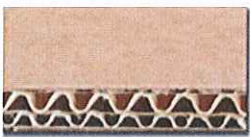
This joint uses a liquid adhesive to bond the glue flap to the other side of the box. It is the most common joint and is appropriate for most applications. As with stitch, the glue flap can be placed either on the inside or the outside of the carton.

TYPES OF FLUTES



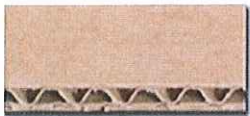
T/W FLUTE | Thickness: 5/8"

Industrial grade board that utilizes 3 mediums. Used for large and very heavy packages.



DW FLUTE | Thickness: 5/16"

Usually found made from B and C flutes mated together. It's used for large and heavy packages.



C FLUTE | Thickness: 3/16"

The most common flute. Strong, light and generally well printed on.



B FLUTE | Thickness: 1/8"

A good general use board that prints well and is fairly strong.



E FLUTE | Thickness: 1/16"

A thin board that is great for small packages and those with intricate printing.

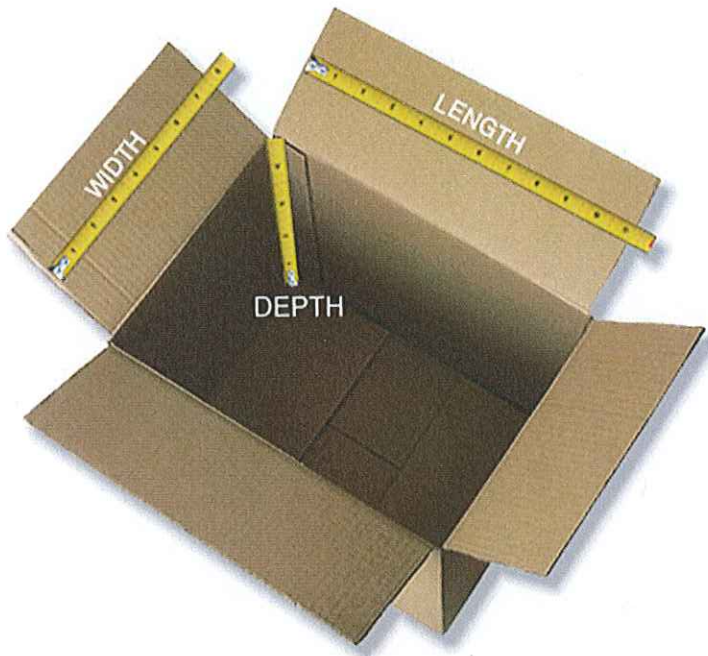
BOX 101

EASY REFERENCE GUIDE

Box dimensions are described in terms of length, width and depth of the inside of the carton. When measuring or ordering boxes, the dimensions will be listed in that order.

Length and width describe the long and short sides of the box, respectively.

The depth describes the distance between the two openings of the box.





(RSC)
REGULAR SLOTTED CONTAINER

A common container with equal length end flaps that are 1/2 the containers width so they meet in the middle. Perfect for most products.



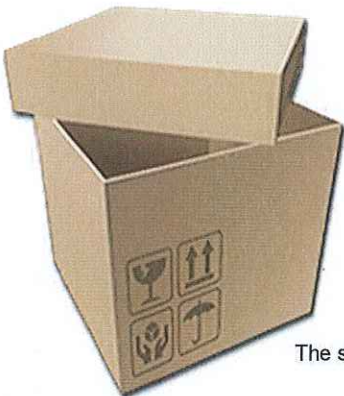
(IPF)
ONE PIECE FOLDER

A carton that folds forming a flat bottom and sides with extensions that form the top. Often recommended for products with low depth for ease of manufacturing.



FULL TELESCOPE

This carton is formed from 2 slotted trays that interlock together.



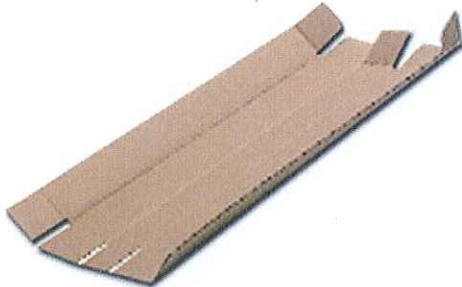
(HSC)
HALF SLOTTED CONTAINER

The same as RSCs without one set of flaps forming an open end container. Often paired with low depth trays to act as tops.



(FOL)
FULL-OVERLAP SLOTTED CONTAINER

The same as RSCs but the flaps on the top and bottom fully overlap instead of meeting in the middle. This container is used when extra strength and cushioning is needed.



(5PF)
5 PANEL FOLDER

A slotted container with a fifth panel that is used as the closing flap. Overlapping end flaps provide extra protection for long, small diameter items.