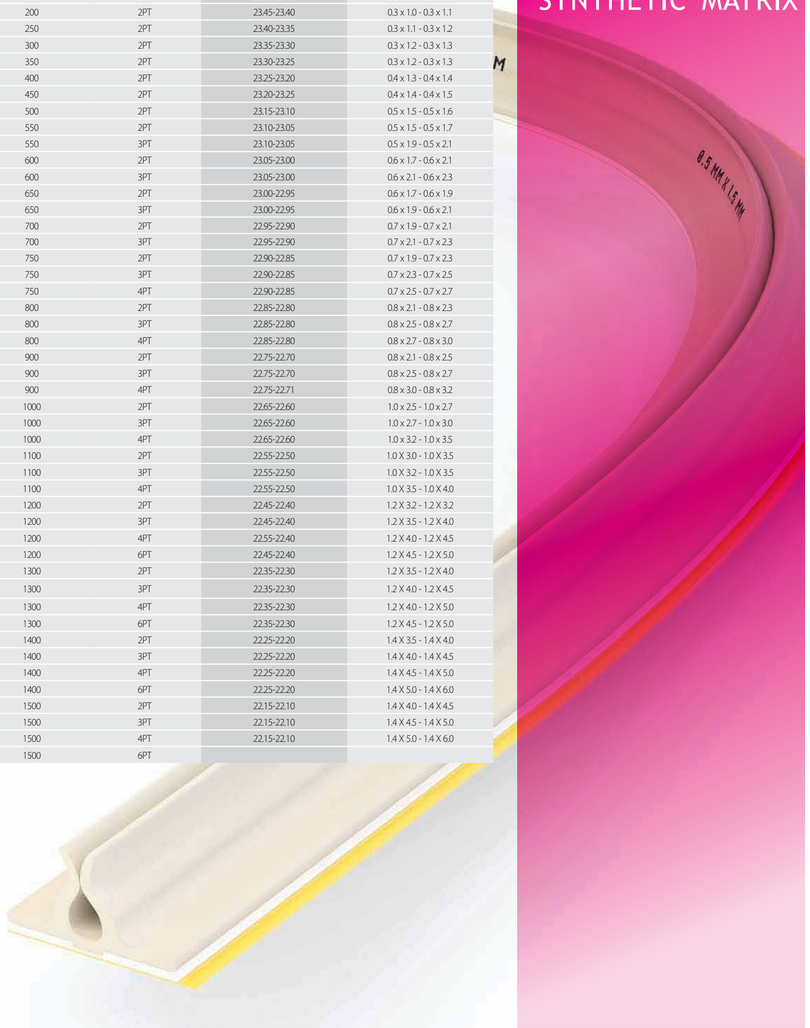
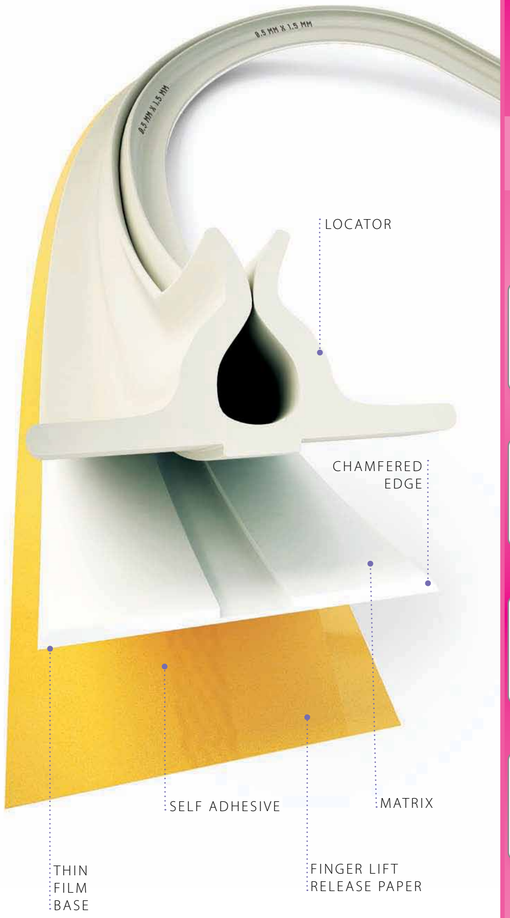
MATRIX SELECTOR

Based on 23.80mm cutting rule & thin film base matrix

BOARD THICKNESS/WEIGHT	CREASING RULE		
MICRON	WIDTH TO BE USED	HEIGHT mm	MATRIX mm
150	2PT	23.50-23.45	0.3 x 0.6 -0.3 x 0.8
200	2PT	23.45-23.40	0.3 x 1.0 - 0.3 x 1.1
250	2PT	23.40-23.35	0.3 x 1.1 - 0.3 x 1.2
300	2PT	23.35-23.30	0.3 x 1.2 - 0.3 x 1.3
350	2PT	23.30-23.25	0.3 x 1.2 - 0.3 x 1.3
400	2PT	23.25-23.20	0.4 x 1.3 - 0.4 x 1.4
450	2PT	23.20-23.25	0.4 x 1.4 - 0.4 x 1.5
500	2PT	23.15-23.10	0.5 x 1.5 - 0.5 x 1.6
550	2PT	23.10-23.05	0.5 x 1.5 - 0.5 x 1.7
550	3PT	23.10-23.05	0.5 x 1.9 - 0.5 x 2.1
600	2PT	23.05-23.00	0.6 x 1.7 - 0.6 x 2.1
600	3PT	23.05-23.00	0.6 x 2.1 - 0.6 x 2.3
650	2PT	23.00-22.95	0.6 x 1.7 - 0.6 x 1.9
650	3PT	23.00-22.95	0.6 x 1.9 - 0.6 x 2.1
700	2PT	22.95-22.90	0.7 x 1.9 - 0.7 x 2.1
700	3PT	22.95-22.90	0.7 x 2.1 - 0.7 x 2.3
750	2PT	22.90-22.85	0.7 x 1.9 - 0.7 x 2.3
750	3PT	22.90-22.85	0.7 x 2.3 - 0.7 x 2.5
750	4PT	22.90-22.85	0.7 x 2.5 - 0.7 x 2.7
800	2PT	22.85-22.80	0.8 x 2.1 - 0.8 x 2.3
800	3PT	22.85-22.80	0.8 x 2.5 - 0.8 x 2.7
800	4PT	22.85-22.80	0.8 x 2.7 - 0.8 x 3.0
900	2PT	22.75-22.70	0.8 x 2.1 - 0.8 x 2.5
900	3PT	22.75-22.70	0.8 x 2.5 - 0.8 x 2.7
900	4PT	22.75-22.71	0.8 x 3.0 - 0.8 x 3.2
1000	2PT	22.65-22.60	1.0 x 2.5 - 1.0 x 2.7
1000	3PT	22.65-22.60	1.0 x 2.7 - 1.0 x 3.0
1000	4PT	22.65-22.60	1.0 x 3.2 - 1.0 x 3.5
1100	2PT	22.55-22.50	1.0 X 3.0 - 1.0 X 3.5
1100	3PT	22.55-22.50	1.0 X 3.2 - 1.0 X 3.5
1100	4PT	22.55-22.50	1.0 X 3.5 - 1.0 X 4.0
1200	2PT	22.45-22.40	1.2 X 3.2 - 1.2 X 3.2
1200	3PT	22.45-22.40	1.2 X 3.5 - 1.2 X 4.0
1200	4PT	22.55-22.40	1.2 X 4.0 - 1.2 X 4.5
1200	6PT	22.45-22.40	1.2 X 4.5 - 1.2 X 5.0
1300	2PT	22.35-22.30	1.2 X 3.5 - 1.2 X 4.0
1300	3PT	22.35-22.30	1.2 X 4.0 - 1.2 X 4.5
1300	4PT	22.35-22.30	1.2 X 4.0 - 1.2 X 5.0
1300	6PT	22.35-22.30	1.2 X 4.5 - 1.2 X 5.0
1400	2PT	22.25-22.20	1.4 X 3.5 - 1.4 X 4.0
1400	3PT	22.25-22.20	1.4 X 4.0 - 1.4 X 4.5
1400	4PT	22.25-22.20	1.4 X 4.5 - 1.4 X 5.0
1400	6PT	22.25-22.20	1.4 X 5.0 - 1.4 X 6.0
1500	2PT	22.15-22.10	1.4 X 4.0 - 1.4 X 4.5
1500	3PT	22.15-22.10	1.4 X 4.5 - 1.4 X 5.0
1500	4PT	22.15-22.10	1.4 X 5.0 - 1.4 X 6.0
1500	6PT		



XTC
SYNTHETIC MATRIX



Your local distributor is:

005/2015

Quality System Endorsed Company

UKAS MANAGEMENT 018

Manufactured under a quality system certified as complying with ISO 9001 by an accredited certification body.

XTC
SYNTHETIC MATRIX

YOUR SIMPLE GUIDE TO CHOOSING YOUR MATRIX

BASED ON 23.80mm CUTTING RULE HEIGHT & 0.1mm THIN FILM BASE MATRIX

Measure your board thickness

D = ____ mm

(100µm = 0.1mm)

1

Work out your Creasing Rule height

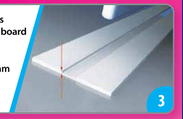
B = 23.80 - ____ - 0.1

B = ____ mm

2

The height of the Matrix is equal to the depth of the board

Height = ____ mm

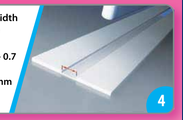


3

Calculate the channel width using a 0.7mm, 2pt rule

1.5 x ____ + 0.7

= ____ mm

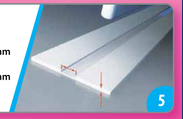


4

My matrix size is:

Height = ____ mm

Width = ____ mm



5

C&T CHANNEL

XTC
SYNTHETIC MATRIX

THE WORLD'S MOST ADVANCED MAKE-READY CREASING SYSTEM

UK Orders: 0800 1382182 Email: sales@candtmatrix.com

www.candtmatrix.com

STANDARD MATRIX

0.3 ✚	0.6	2/3
0.3 ✚	0.8	2/3
0.3 ✚	1.0	2/3
0.3 ✚	1.1	2/3
0.3 ✚	1.2	2/3
0.3 ✚	1.3	2/3
0.3 ✚	1.4	2/3
0.3 ✚	1.5	2/3
0.3 ✚	1.6	2/3
0.3 ✚	1.7	2/3
0.3 ✚	1.9	2/3
0.4 ✚	0.6	2/3
0.4 ✚	0.8	2/3
0.4 ✚	1.0	2/3
0.4 ✚	1.1	2/3
0.4 ✚	1.2	2/3
0.4 ✚	1.3	2/3
0.4 ✚	1.4	2/3
0.4 ✚	1.5	2/3
0.4 ✚	1.6	2/3
0.4 ✚	1.7	2/3
0.4 ✚	1.9	2/3
0.45 ✚	0.8	2/3
0.45 ✚	1.0	2/3
0.45 ✚	1.1	2/3
0.45 ✚	1.2	2/3
0.45 ✚	1.3	2/3
0.45 ✚	1.4	2/3
0.45 ✚	1.5	2/3
0.45 ✚	1.6	2/3
0.45 ✚	1.7	2/3
0.45 ✚	1.9	2/3
0.5 ✚	0.8	2/3
0.5 ✚	1.1	2/3
0.5 ✚	1.2	2/3
0.5 ✚	1.3	2/3
0.5 ✚	1.4	2/3
0.5 ✚	1.5	2/3
0.5 ✚	1.6	2/3
0.5 ✚	1.7	2/3
0.5 ✚	1.9	2/3
0.5 ✚	2.1	2/3
0.5 ✚	2.3	2/3
0.55 ✚	0.8	2/3
0.55 ✚	1.2	2/3
0.55 ✚	1.3	2/3
0.55 ✚	1.4	2/3
0.55 ✚	1.5	2/3
0.55 ✚	1.6	2/3
0.55 ✚	1.7	2/3
0.55 ✚	1.9	2/3
0.55 ✚	2.1	2/3
0.55 ✚	2.3	2/3

0.6 ✚	1.0	2/3
0.6 ✚	1.1	2/3
0.6 ✚	1.2	2/3
0.6 ✚	1.3	2/3
0.6 ✚	1.4	2/3
0.6 ✚	1.5	2/3
0.6 ✚	1.6	2/3
0.6 ✚	1.7	2/3
0.6 ✚	1.9	2/3
0.6 ✚	2.1	2/3
0.6 ✚	2.3	2/3
0.6 ✚	2.5	2/3
0.6 ✚	2.7	2/3
0.6 ✚	3.0	2/3
0.6 ✚	3.2	3/4
0.6 ✚	3.5	3/4
0.6 ★	4.0	3/4
0.6 ★	5.0	3/4
0.6 ★	7.0	3/4
0.65 ✚	1.3	2/3
0.65 ✚	1.6	2/3
0.65 ✚	1.9	2/3
0.65 ✚	2.1	2/3
0.65 ✚	2.3	2/3
0.65 ✚	2.7	2/3
0.65 ✚	3.0	2/3
0.65 ✚	3.2	3/4
0.65 ✚	3.5	3/4
0.65 ★	4.0	3/4
0.65 ★	4.5	3/4
0.65 ★	5.0	3/4
0.65 ★	6.0	3/4
0.65 ★	8.0	3/4
0.7 ◆	1.5	3/4
0.7 ◆	1.7	3/4
0.7 ◆	1.9	3/4
0.7 ◆	2.1	3/4
0.7 ◆	2.3	3/4
0.7 ◆	2.5	3/4
0.7 ◆	2.7	3/4
0.7 ◆	3.0	3/4
0.7 ◆	3.2	3/4
0.7 ◆	3.5	3/4
0.7 ★	4.0	3/4
0.7 ★	4.5	3/4
0.7 ★	5.0	3/4
0.7 ★	6.0	3/4
0.7 ★	7.0	3/4
0.7 ★	8.0	3/4
0.8 ✚	1.5	2/3
0.8 ✚	1.6	2/3
0.8 ✚	1.7	2/3
0.8 ✚	1.9	2/3
0.8 ✚	2.1	2/3
0.8 ✚	2.3	2/3
0.8 ✚	2.5	2/3
0.8 ✚	2.7	2/3
0.8 ✚	3.0	2/3
0.8 ✚	3.2	3/4
0.8 ✚	3.5	3/4
0.8 ★	4.5	3/4
0.8 ★	5.0	3/4
0.8 ★	6.0	3/4
0.8 ★	7.0	3/4
0.8 ★	8.0	3/4
1.0✚	2.3	2/3
1.0 ✚	2.5	2/3
1.0 ✚	2.7	2/3
1.0 ✚	3.0	2/3
1.0 ✚	3.2	3/4
1.0 ✚	3.5	3/4
1.0 ★	4.0	3/4
1.0 ★	5.0	3/4
1.0 ★	6.0	3/4
1.0 ★	7.0	3/4
1.2 ◆	3.0	3/4
1.2 ◆	3.2	3/4
1.2 ◆	3.5	3/4
1.2 ★	4.0	3/4
1.2 ★	4.5	3/4
1.2 ★	5.0	3/4
1.2 ★	6.0	3/4
1.2 ★	7.0	3/4
1.2 ★	8.0	3/4
1.4 ◆	3.0	3/4
1.4 ◆	3.5	3/4
1.4 ★	4.0	4/6
1.4 ★	4.5	4/6
1.4 ★	5.0	4/6
1.4 ★	6.0	4/6
1.4 ★	7.0	4/6
1.4 ★	8.0	4/6
1.6 ◆	3.0	3/4
1.6 ◆	3.2	3/4
1.6 ◆	3.5	3/4
1.6 ★	4.0	4/6
1.6 ★	4.5	4/6
1.6 ★	5.0	4/6
1.6 ★	6.0	4/6
1.6 ★	7.0	4/6
1.6 ★	8.0	4/6

Subject to minimum order

U BEND

0.6	5.0	3
0.6	8.0	5
0.7	5.0	3
0.7	8.0	5
0.8	5.0	3.7
0.8	5.0	4
0.8	6.0	5
0.8	7.0	5
1.0	5.0	3
1.0	6.0	5
1.0	8.0	7

Subject to minimum order

MULTICREASE

0.4 ◆	1.0	3.0
0.4 ◆	1.0	4.75
0.4 ◆	1.2	4.0
0.4 ◆	1.3	3.5
0.4 ◆	1.3	4.0
0.4 ◆	1.3	5.0
0.4 ◆	1.3	6.35
0.4 ◆	1.5	6.35
0.45 ◆	1.3	3.5
0.45 ◆	1.3	4.0
0.45 ◆	1.3	5.0
0.5 ◆	1.0	3.0
0.5 ◆	1.0	4.75
0.5 ◆	1.2	4.0
0.5 ◆	1.3	3.5
0.5 ◆	1.3	4.0
0.5 ◆	1.3	5.0
0.5 ◆	1.3	6.35
0.5 ◆	1.5	6.35

INTERNAL CHAMFER

0.3 ✚	1.3	2/3
0.3 ✚	1.4	2/3
0.3 ✚	1.5	2/3
0.3 ✚	1.6	2/3
0.3 ✚	1.7	2/3
0.3 ✚	1.9	2/3
0.4 ✚	1.4	2/3
0.4 ✚	1.5	2/3
0.4 ✚	1.6	2/3
0.4 ✚	1.7	2/3
0.45 ✚	1.3	2/3
0.45 ✚	1.4	2/3
0.45 ✚	1.5	2/3
0.45 ✚	1.6	2/3
0.45 ✚	1.7	2/3
0.45 ✚	1.9	2/3
0.5 ✚	1.3	2/3
0.5 ✚	1.4	2/3
0.5 ✚	1.5	2/3
0.5 ✚	1.7	2/3
0.5 ✚	1.9	2/3
0.5 ✚	2.1	2/3
0.5 ✚	2.3	2/3
0.55 ✚	1.3	2/3
0.55 ✚	1.4	2/3
0.55 ✚	1.5	2/3
0.55 ✚	1.6	2/3
0.55 ✚	1.7	2/3
0.55 ✚	1.9	2/3
0.55 ✚	2.1	2/3
0.55 ✚	2.3	2/3
0.6 ✚	1.4	2/3
0.6 ✚	1.5	2/3
0.6 ✚	1.6	2/3
0.6 ✚	1.7	2/3
0.6 ✚	1.9	2/3
0.6 ✚	2.3	2/3
0.6 ✚	2.5	2/3
0.6 ✚	2.7	2/3
0.6 ✚	3.0	2/3
0.6 ✚	3.2	3/4
0.6 ✚	3.5	3/4
0.6 ✚	4.0	3/4
0.6 ✚	5.0	3/4
0.6 ✚	6.0	3/4
0.6 ✚	7.0	3/4
0.6 ✚	8.0	3/4
0.65 ✚	1.3	2/3
0.65 ✚	1.4	2/3
0.65 ✚	1.5	2/3
0.65 ✚	1.6	2/3
0.65 ✚	1.7	2/3
0.65 ✚	1.9	2/3
0.65 ✚	2.1	2/3
0.65 ✚	2.3	2/3
0.65 ✚	2.5	2/3
0.65 ✚	2.7	2/3
0.65 ✚	3.0	2/3
0.65 ✚	3.2	3/4
0.65 ✚	3.5	3/4
0.65 ★	4.0	3/4
0.65 ★	4.5	3/4
0.65 ★	5.0	3/4
0.65 ★	6.0	3/4
0.65 ★	7.0	3/4
0.65 ★	8.0	3/4
0.7 ✚	1.3	2/3
0.7 ✚	1.4	2/3
0.7 ✚	1.5	2/3
0.7 ✚	1.6	2/3
0.7 ✚	1.7	2/3
0.7 ✚	1.9	2/3
0.7 ✚	2.1	2/3
0.7 ✚	2.3	2/3
0.7 ✚	2.5	2/3
0.7 ✚	3.0	2/3
0.7 ✚	3.2	3/4
0.7 ✚	3.5	3/4
0.7 ★	4.0	3/4
0.7 ★	4.5	3/4
0.7 ★	5.0	3/4
0.7 ★	6.0	3/4
0.7 ★	7.0	3/4
0.7 ★	8.0	3/4
0.8 ✚	1.5	2/3
0.8 ✚	1.6	2/3
0.8 ✚	1.7	2/3
0.8 ✚	1.9	2/3
0.8 ✚	2.1	2/3
0.8 ✚	2.3	2/3
0.8 ✚	2.7	2/3
0.8 ✚	3.0	2/3
0.8 ✚	3.2	3/4
0.8 ✚	3.5	3/4
0.8 ★	4.0	3/4
0.8 ★	4.5	3/4
0.8 ★	5.0	3/4
0.8 ★	6.0	3/4
0.8 ★	7.0	3/4
0.8 ★	8.0	3/4

OFF CENTRE

0.3 ●	0.6	2/3	4 mm
0.3 ●	0.8	2/3	4 mm
0.3 ●	1.0	2/3	4 mm
0.3 ●	1.2	2/3	4 mm
0.3 ●	1.3	2/3	4 mm
0.3 ●	1.4	2/3	4 mm
0.3 ●	1.5	2/3	4 mm
0.3 ●	1.6	2/3	5 mm
0.3 ●	1.9	2/3	5 mm
0.4 ●	0.6	2/3	4 mm
0.4 ●	0.8	2/3	4 mm
0.4 ●	1.0	2/3	4 mm
0.4 ●	1.1	2/3	4 mm
0.4 ●	1.2	2/3	4 mm
0.4 ●	1.3	2/3	4 mm
0.4 ●	1.4	2/3	4 mm
0.4 ●	1.5	2/3	4 mm
0.4 ●	1.7	2/3	5 mm
0.45 ●	0.8	2/3	4 mm
0.45 ●	1.0	2/3	4 mm
0.45 ●	1.1	2/3	4 mm
0.45 ●	1.2	2/3	4 mm
0.45 ●	1.3	2/3	4 mm
0.45 ●	1.4	2/3	4 mm
0.45 ●	1.5	2/3	4 mm
0.45 ●	1.6	2/3	5 mm
0.45 ●	1.7	2/3	5 mm
0.5 ●	0.8	2/3	4 mm
0.5 ●	1.0	2/3	4 mm
0.5 ●	1.1	2/3	4 mm
0.5 ●	1.2	2/3	4 mm
0.5 ●	1.3	2/3	4 mm
0.5 ●	1.4	2/3	4 mm
0.5 ●	1.5	2/3	4 mm
0.5 ●	1.6	2/3	5 mm
0.5 ●	1.7	2/3	5 mm
0.5 ●	1.9	2/3	5 mm
0.55 ●	1.2	2/3	4 mm
0.55 ●	1.3	2/3	4 mm
0.55 ●	1.4	2/3	4 mm
0.55 ●	1.5	2/3	4 mm
0.55 ●	1.6	2/3	5 mm
0.55 ●	1.7	2/3	5 mm
0.55 ●	1.9	2/3	5 mm
0.55 ●	2.1	2/3	5 mm
0.55 ●	2.3	2/3	5 mm
0.5 ●	0.8	2/3	4 mm
0.6 ●	1.1	2/3	4 mm
0.6 ●	1.3	2/3	4 mm
0.6 ●	1.4	2/3	4 mm
0.6 ●	1.5	2/3	4 mm
0.6 ●	1.6	2/3	5 mm
0.6 ●	1.7	2/3	5 mm
0.6 ●	1.9	2/3	5 mm

0.6 ●	2.1	2/3	5 mm
0.6 ●	2.3	2/3	5 mm
0.6 ●	3.0	2/3	6 mm
0.65 ●	1.3	2/3	4 mm
0.65 ●	1.4	2/3	4 mm
0.65 ●	1.5	2/3	4 mm
0.65 ●	1.6	2/3	5 mm
0.65 ●	1.7	2/3	5 mm
0.65 ●	1.9	2/3	5 mm
0.65 ●	2.1	2/3	5 mm
0.65 ●	2.3	2/3	5 mm
0.65 ●	2.5	2/3	5 mm
0.65 ●	2.7	2/3	6 mm
0.65 ●	3.0	2/3	6 mm
0.7 ●	1.3	2/3	4 mm
0.7 ●	1.4	2/3	4 mm
0.7 ●	1.5	2/3	4 mm
0.7 ●	1.6	2/3	5 mm
0.7 ●	1.7	2/3	5 mm
0.7 ●	1.9	2/3	5 mm
0.7 ●	2.1	2/3	5 mm
0.7 ●	2.7	2/3	6 mm
0.7 ●	3.0	2/3	6 mm
0.8 ●	1.6	2/3	5 mm
0.8 ●	1.7	2/3	5 mm
0.8 ●	1.9	2/3	5 mm
0.8 ●	2.7	2/3	6 mm
0.8 ●	3.0	2/3	6 mm
1.0 ●	2.3	2/3	5 mm
1.0 ●	2.5	2/3	5 mm
1.0 ●	2.7	2/3	6 mm
1.0 ●	3.0	2/3	6 mm
1.0 ▲	3.5	3/4	6 mm
1.2 ▲	3.2	3/4	6 mm
1.2 ▲	3.5	3/4	6 mm

5mm

Subject to minimum order

XTC MICRO

		(mic)	(0.001")	CODE
0.3	0.50	50-100	2-4	XCN 0305
0.3	0.60	50-100	2-4	XCN 0306
0.3	0.80	50-150	2-6	XCN 0308
0.3	1.00	100-200	4-8	XCN 0312
0.3	1.20	190-230	7-9	XCN 0313
0.3	1.30	300-350	12-14	XCN 0314
0.3	1.40	320-420	13-17	XCN 0315
0.3	1.50	355-430	14-17	XCN 0405
0.4	0.50	50-100	2-4	XCN 0406
0.4	0.60	50-100	2-4	XCN 0408
0.4	0.80	50-150	2-6	XCN 0410
0.4	1.00	100-200	4-8	XCN 0411
0.4	1.20	150-240	6-9	XCN 0412
0.4	1.30	320-400	13-16	XCN 0413
0.4	1.40	330-420	13-17	XCN 0414
0.4	1.50	370-440	14-17	XCN 0415
0.4	1.60	440-500	17-20	XCN 0416
0.4	1.70	420-540	19-21	XCN 0417
0.45	0.50	50-100	2-4	XCN 04505
0.45	0.80	50-150	2-6	XCN 04508
0.45	1.20	225-310	9-12	XCN 04512
0.45	1.40	350-420	14-17	XCN 04514
0.45	1.50	375-450	15-18	XCN 04515
0.5	0.80	50-150	2-6	XCN 0508
0.5	1.00	170-220	7-9	XCN 0510
0.5	1.20	285-330	11-13	XCN 0512
0.5	1.30	340-420	13-17	XCN 0513
0.5	1.40	350-420	14-17	XCN 0514
0.5	1.50	440-500	17-20	XCN 0515
0.5	1.60	490-520	19-20	XCN 0516
0.5	1.70	500-550	20-22	XCN 0517
0.55	1.30	340-450	13-18	XCN 05513
0.55	1.40	350-420	14-17	XCN 05514
0.55	1.50	450-510	18-20	XCN 05515
0.55	1.60	490-520	19-20	XCN 05516
0.55	1.70	510-570	20-23	XCN 05517
0.6	1.50	460-520	18-20	XCN 0615
0.6	1.60	490-530	19-21	XCN 0616
0.6	1.70	525-600	21-24	XCN 0617
0.6	1.90	600-655	23-25	XCN 0619

KEY
✚ < 3.0mm channel = 24m per box/8.75mm base
◆ < 3.2-3.5mm channel = 18m per box/12mm base
★ < 4.0mm channel = 15m per box/15mm base

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✚ < 3.0mm channel = 24m per box/8.75mm base
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XTC
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