

## Mentex & Flatex Expanded Metal

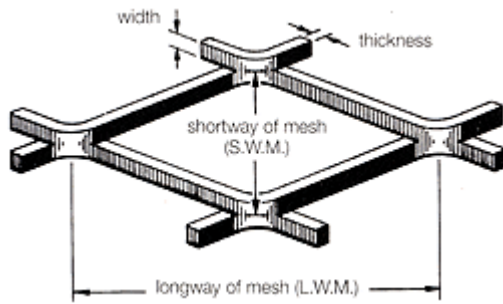
### General Information

All stock sheets are 1200 LWM x 2400 SWM.  
Mentex and Flatex conform to SANS 1901:1983  
Meshes can be made in 304 and 316 stainless steel except  
Mentex types 38/VEM484,43/VEM305B,43A/VEM305A,  
70/VEM325A,300/VEM311E & 304/VEM320G and Flatex types  
338/VEM611F & 346/VEM6320H. Most meshes are available in 3CR12  
material.

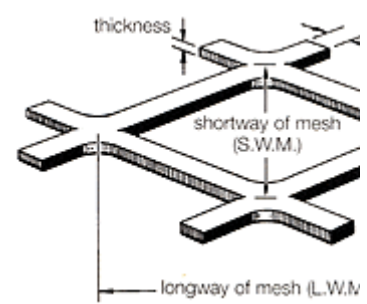
### Tolerances

- Sheet Sizes
- SWM: +/- 1 SWM or +/- 25mm  
whichever is greater
- LWM: +/- 1% of sheet width
- Strand width & thickness  
Mentex +/- 10%  
Flatex +/- 20%
- Out of square of sheet: 2% of length
- Mass: +/- 20%

### Mentex



### Flatex



### Dimensions - Mentex

Type	SWM	LWM	Strand Width	Strand Thickness	Mass Per Sheet
Mentex 38/VEM 484	40	140	6	4.5	29.00
Mentex 43/VEM 305B	40	115	6	4.5	23.29
Mentex 43A/VEM 305A	40	115	4.5	4.5	17.68
Mentex 63/VEM 355G	30	80	3	3.0	11.29
Mentex 70/VEM 325A	20	60	6	4.5	39.95
Mentex 72/VEM 325G	20	60	3	3.0	14.11
Mentex 80A/VEM 318H	15	40	3	2.5	17.60
Mentex 82/VEM 318F	15	40	2.5	1.6	9.62
Mentex 118/VEM 315F	16	30	2.5	1.6	11.55
Mentex 130/VEM 280D	8	20	2	1.0	9.42
Mentex 300/VEM 311E	45	80	3	3.0	7.92
Mentex 304/VEM 320 G	25	50	3	3.0	14.11

### Dimensions - Flatex

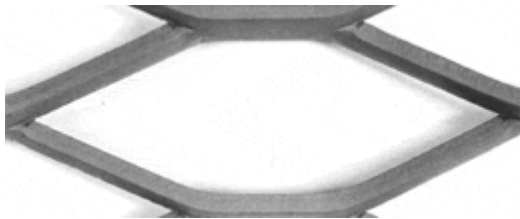
Type	SWM	LWM	Strand	Strand	Mass Per
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			Width	Thickness	Sheet
Flatex 338/VEM 6311F	50	80	4.5	2.5	8.73
Flatex 344/VEM 6320C	25	50	3	1.6	6.74
Flatex 346/VEM 6320H	25	50	4.5	3.0	18.49
Flatex 348/VEM 6320E	25	50	4.5	2.5	14.86
Flatex 349/VEM 6320D	25	50	3	2.0	8.41
Flatex 352/VEM 6318F	15	40	3	1.6	10.02
Flatex 358/VEM 6315F	16	30	3	1.6	11.29
Flatex 362/VEM 6280E	8	20	2	1.0	9.01

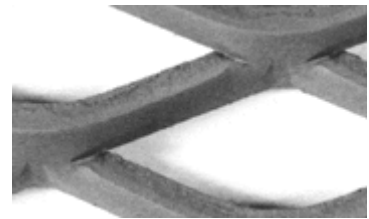
### Mentex & Flatex Expanded Metal - Types

#### Mentex

38/VEM 484



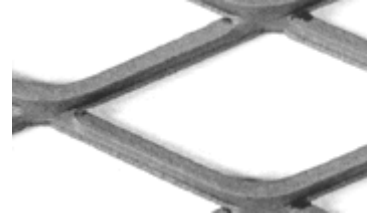
70/VEM 325 A



43/VEM 305B, 43A/VEM 305A



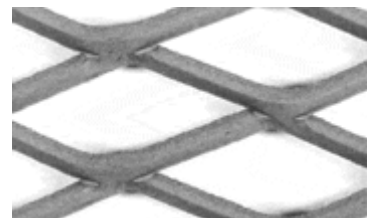
72/VEM 325 G



63/VEM 355 G

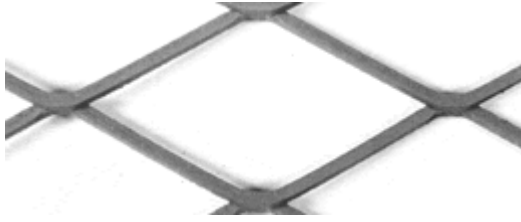


80A/VEM 318 H, 82/VEM 318 F

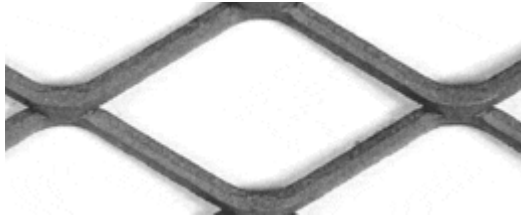


300/VEM 311 E

118/VEM 315 F



**304/VEM 320 G**

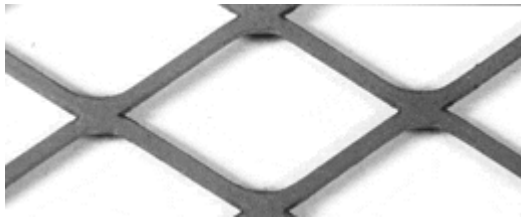


**Flatex:**

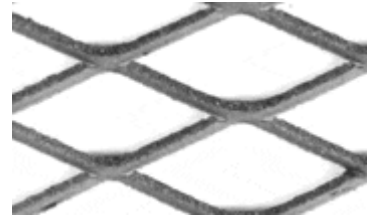
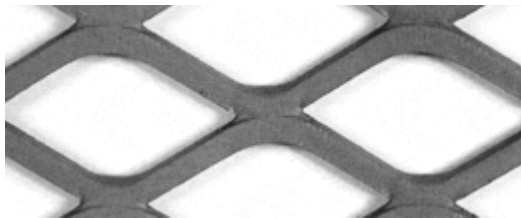
**338/VEM 6311 F**



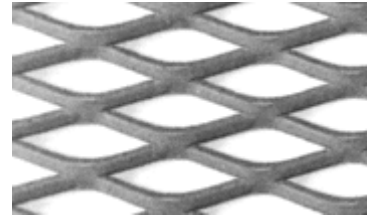
**344/VEM 6320 C, 349/VEM 6320 D**



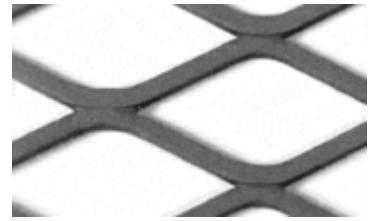
**346/VEM 6320 H, 348/VEM 6320 E**



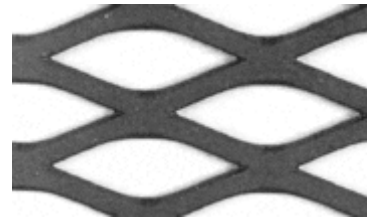
**130/VEM 280 D**



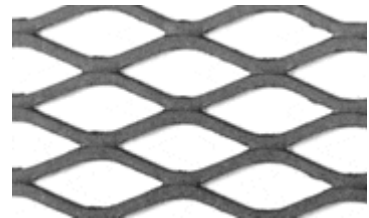
**352/VEM 6318 F**



**358/VEM 6315 F**



**362/VEM 6280 E**



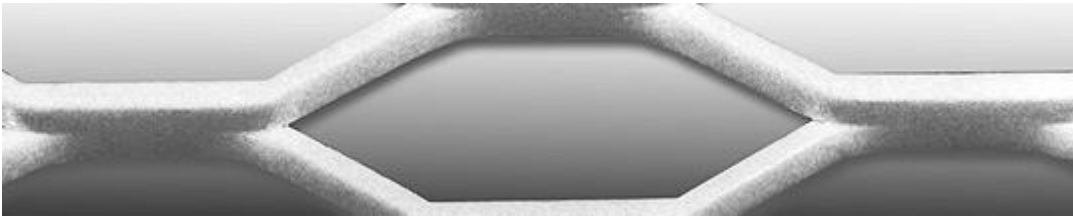
## Walkway Meshes

### 8/VEM 486



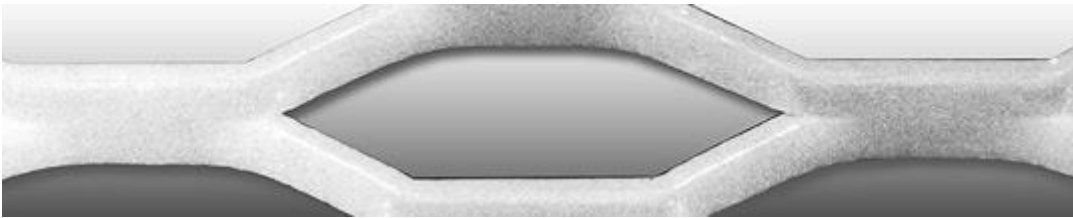
35 SWM x 120 LWM x 6.5 mm width x 4.5 mm thick strand

### 7/VEM 487



35 SWM x 120 LWM x 8.0 mm width x 4.5 mm thick strand

### 6/VEM 488



35 SWM x 120 LWM x 10.0 mm width x 4.5 mm thick strand

### 5/VEM 489



35 SWM x 120 LWM x 10.0 mm width x 6.0 mm thick strand

## Walkway Meshes

Walkway Meshes (Available to Order)						
Ref.No	Metric Designation B A C D	Nominal size of diamonds centre to centre of strands		Nominal dimensions of strands		Mass kg. per m <sup>2</sup>
		SWM or width for B in mm (see sketch)	LWM or length for A in mm (see sketch)	C Width in mm	D Thickness in mm	
38/484	40/140/60/45	40	140	6,0	4,5	10.07
36/485	40/140/100/45	40	140	10,0	4,5	15.90
8/486	35/120/60/45	35	120	6,0	4,5	10.79
7/487	35/120/80/45	35	120	8,0	4,5	14.38
6/488	35/120/100/45	35	120	10,0	4,5	17.98
5/489	35/120/100/60	35	120	10,0	6,0	22.48

Reference No		600mm	750mm	Span 900mm
<u>Flores:</u>	1/300D	1 165		520
<u>Walkway:</u>				
	38/484	695		300
	36/485	900		400
	8/486	500	350	225
	7/487	765	500	350
	6/488	900	765	500
	5/489	1 050	900	765
<u>Mentex:</u>				
	41	1 305		580
	42	1 027		460
	43	555		250
	60	835		370
	70	860		380

These tables are based on tests done by National Mechanical Engineer. The loads given are half the distributed load (kg/m<sup>2</sup>) at the limit of proportional as safe loads for non-cyclical loads. Deflections produced at these loads are a of 1 metre span. The mesh was simply supported in the test, but by welding the higher loads may be applied.