

# 3. Walkway Systems



## MENTEX AND FLATEX EXPANDED METAL

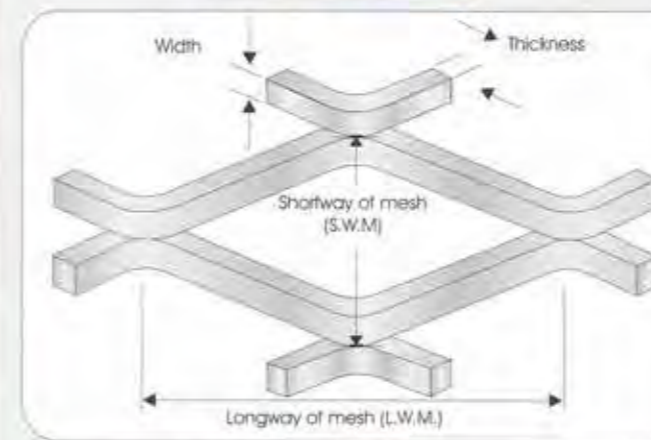
### SPECIFICATIONS

- ✦ All stock sheets are 1 200 L.W.M x 2 400 S.W.M.
- ✦ Mentex and Flatex are manufactured to SANS 190 - 1:1983
- ✦ Meshes can be made in 304 and 316 Stainless Steel  
Except: Mentex - Types 38/VEM 484, 43/VEM 305B  
43A/VEM 305A, 70/VEM 325A,  
300/VEM 311E, 304/VEM 320G.  
Flatex - 338/VEM 6311F and 346/VEM 6320H.
- ✦ MOST MESHES ARE AVAILABLE IN 3CR12 MATERIAL.

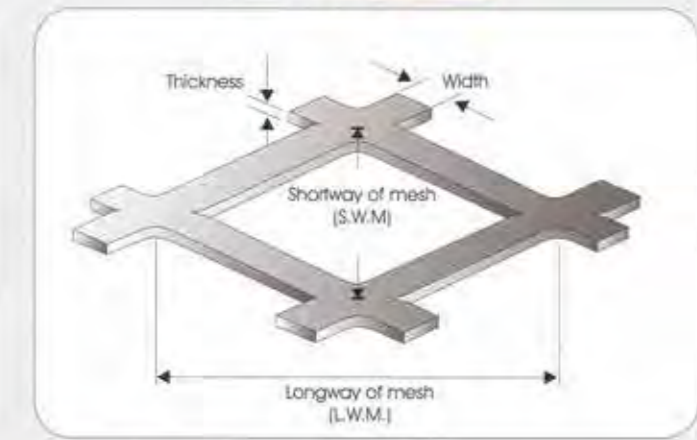
### TOLERANCES:

- ✦ Sheet sizes S.W.M :  $\pm$ One S.W.M or  $\pm$ 25mm whichever is greater  
L.W.M :  $\pm$ 1% of sheet width
- ✦ Strand width and thickness: MENTEX  $\pm$ 10%  
FLATEX  $\pm$  20%
- ✦ Out of square of sheet: 2% OF LENGTH
- ✦ MASS :  $\pm$  20%

### MENTEX



### FLATEX



### DIMENSIONS

TYPE	S.W.M	L.W.M	Strand Width	Strand Thickness	Mass per Sheet
Mentex 38/VEM 484	40	140	6.0	4.5	29.00
Mentex 43/VEM 305B	40	115	6.0	4.5	23.29
Mentex 43A/VEM 305A	40	115	4.5	4.5	17.68
Mentex 63/VEM 355G	30	80	3.0	3.0	11.29
Mentex 70/VEM 325A	25	60	6.0	4.5	39.95
Mentex 72/VEM 325G	25	60	3.0	3.0	14.11
Mentex 80A/VEM 318H	15	40	3.0	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	2.0	1.0	9.42
Mentex 300/VEM 311E	45	80	3.0	3.0	7.92
Mentex 304/VEM 320G	25	50	3.0	3.0	14.11

# INTER-LINK Handrailing Systems



## MILD STEEL STANCHIONS

- Ball type tubular welded construction.
- Forged (Solid).

### FINISHES AVAILABLE

- Uncoated, zinc chromate primed or galvanized to SABS 1461 requirements.
- Other paint specifications on application.

### SPECIFICATIONS

	TUBULAR	FORGED
STANCHION	42,9mm O.D	32mm Ø
BENDS	34,1mm O.D	25mm Ø
HANDRAIL TUBING	34,1mm O.D 2,5mm thick 6000mm long	25mm Ø 6000mm long

## STAINLESS STEEL STANCHIONS

- Grade 304 and 3CR12
- Unique, aesthetic design

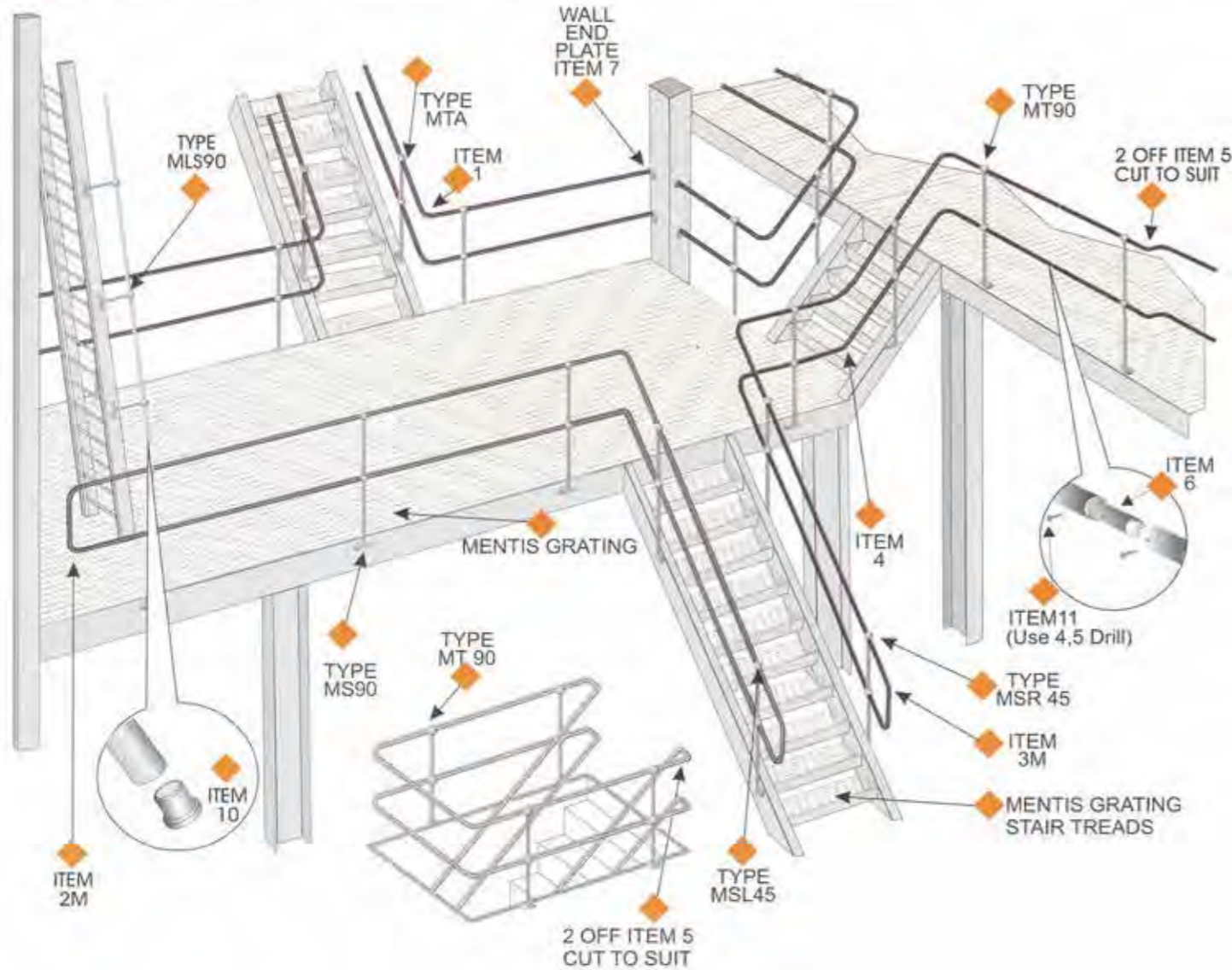
### SPECIFICATIONS

STANCHION TUBE	45,0mm O.D
BENDS	31,8mm O.D
HANDRAIL TUBING	31,8mm O.D 1,5mm thick 6100mm long

## SELECTION GUIDE

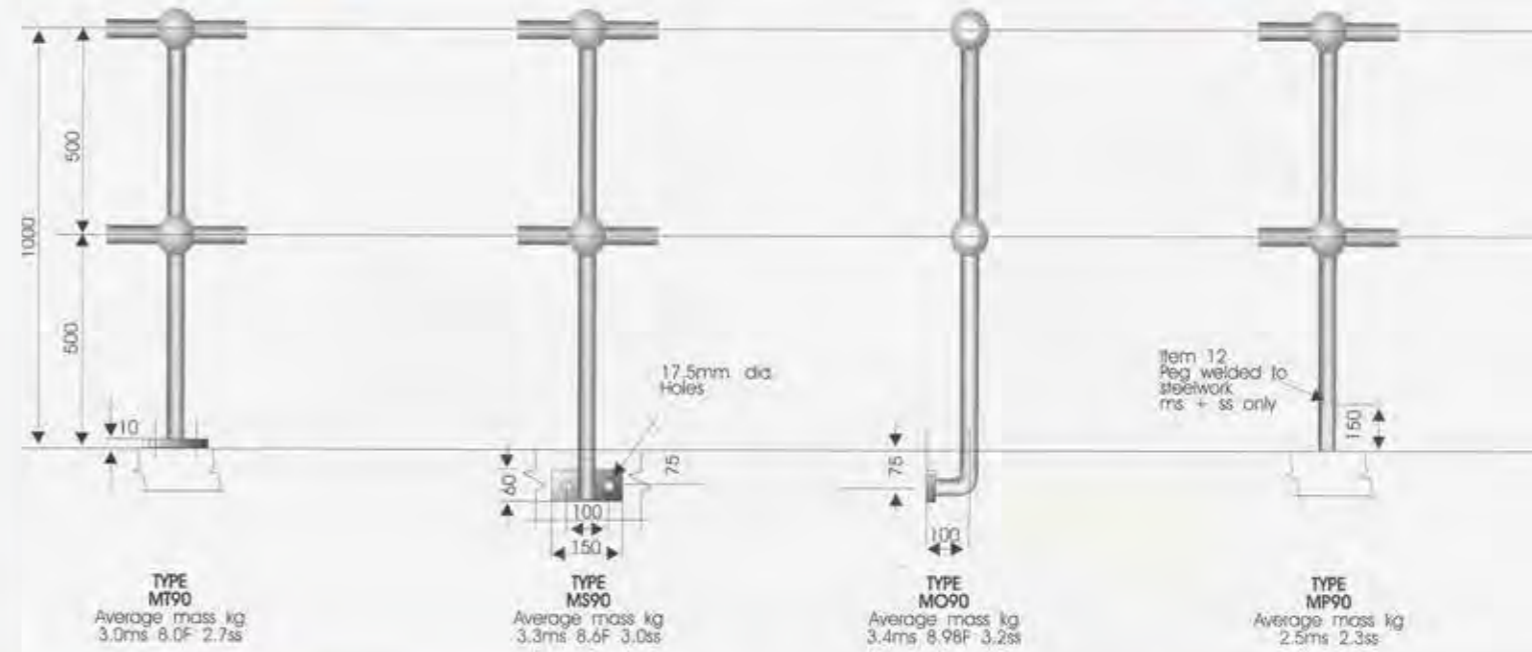
### RECOMMENDED STANCHION CENTRES ARE:

- ON STAIRS: 1000 mm
- PLATFORM AREAS: 1500mm
- MAINTENANCE WALKWAYS: up to 1800mm
- PUBLIC OR SPECTATOR AREAS - not more than 1000mm

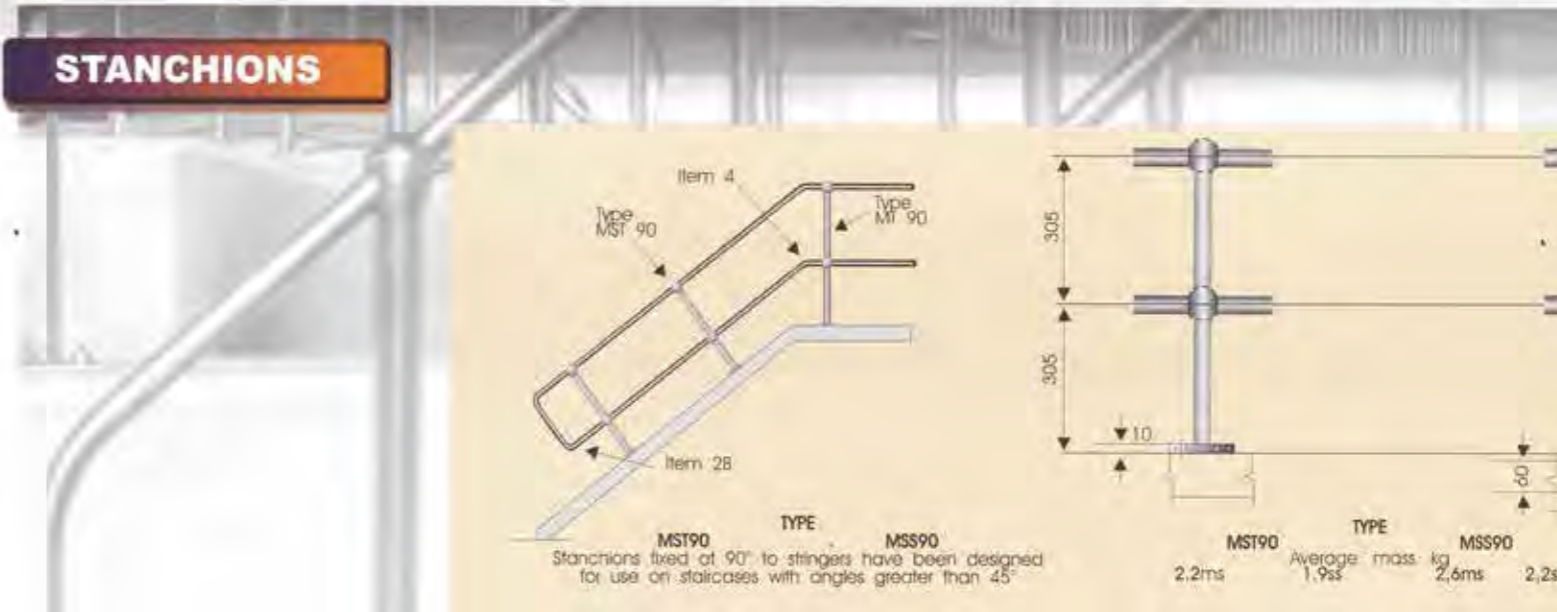


# STANCHIONS

MILD STEEL BALL TYPE SHOWN



# STANCHIONS



# BENDS

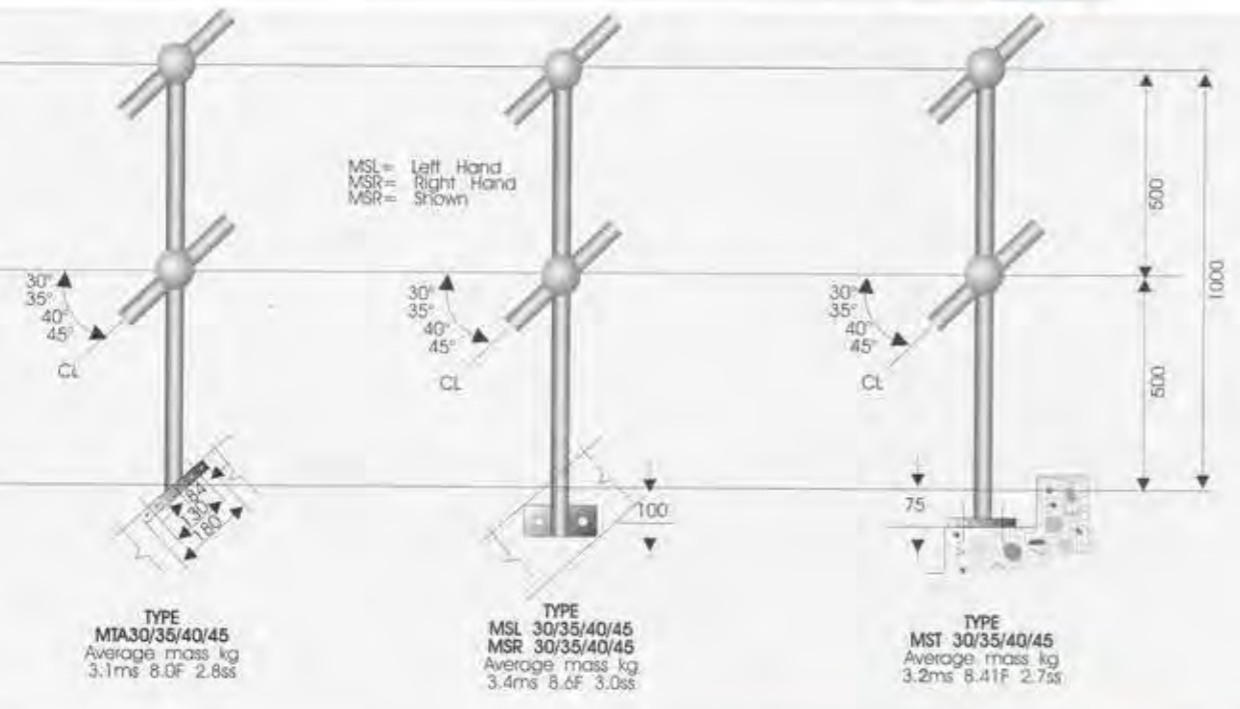
ALL TUBULAR BENDS HAVE OUR PATENTED SWAGED SLIPJOINTS AT BOTH ENDS ENSURING FASTER AND EASIER ERECTION



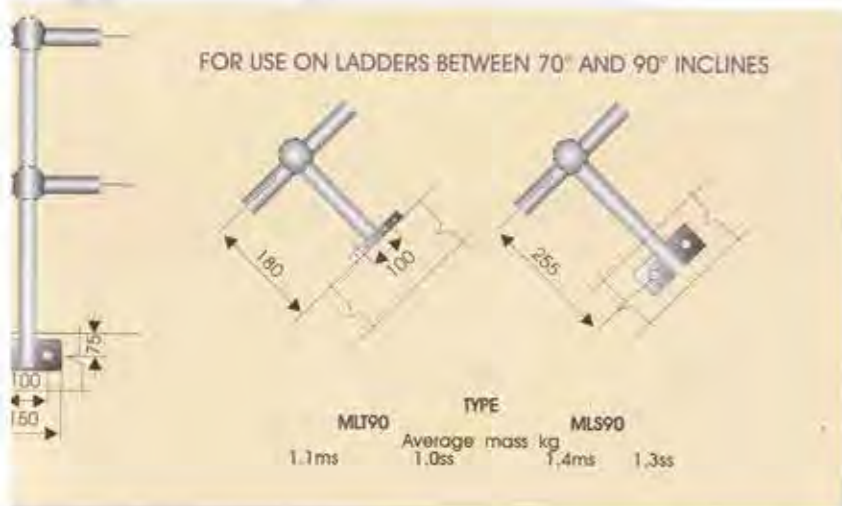
### TOLERANCES:

- ON LENGTHS AND CENTRES 3mm
- ON WALL THICKNESS OF STANCHIONS 0,15mm
- ON ANGLES OF STANCHIONS AND BENDS 2°

ES: FORGED SOLID AND STAINLESS STEEL ANGLE STANCHIONS AVAILABLE EX STOCK IN 40° AND 45° ONLY



### ACCESSORIES



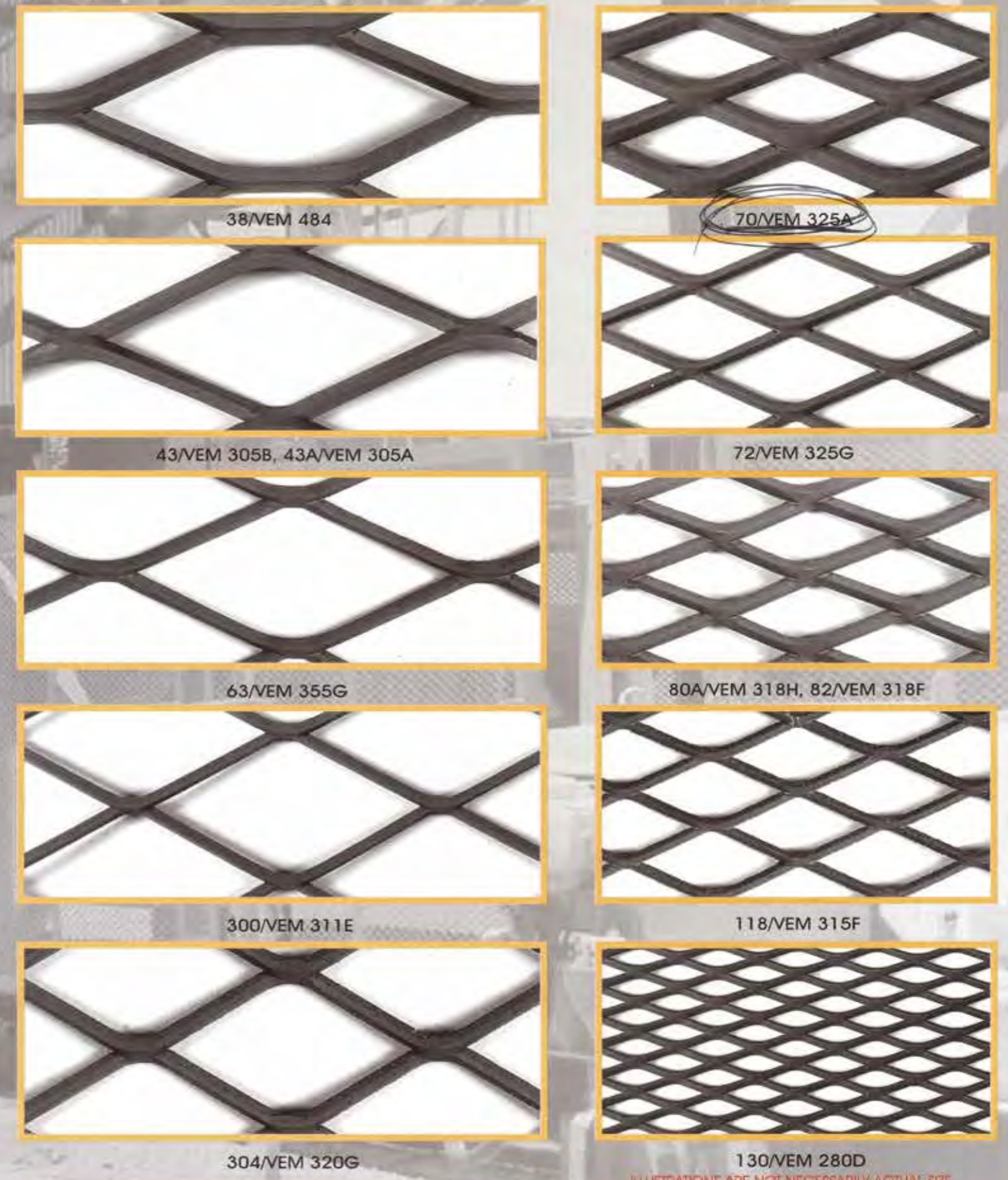
ON, MORE RIGID JOINTS AND BETTER INTERNAL CORROSION PROTECTION. ALL SOLID BENDS HAVE BUTT ENDS.



Definitions  
ms Mild Steel  
ss Stainless Steel  
F Forged (Solid)

- EM 4 45° STAIRWAY BEND
  - A 40° STAIRWAY BEND
  - B 35° STAIRWAY BEND (ms only)
  - C 30° STAIRWAY BEND (ms only)
- Average mass kg  
1.1ms 2.3F 0.9ss

### MENTEX EXPANDED METAL



ILLUSTRATIONS ARE NOT NECESSARILY ACTUAL SIZE

## FLATEX EXPANDED METAL



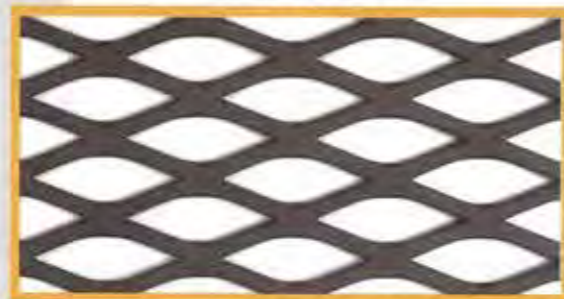
338/VEM 6311F



352/VEM 6318F



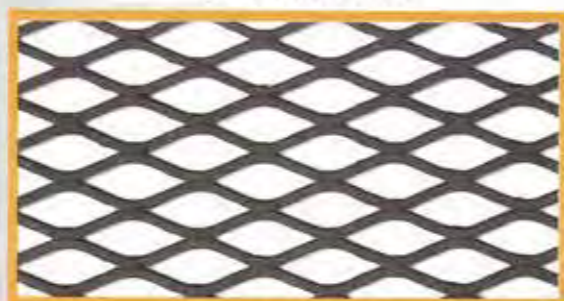
344/VEM 6320C, 349/VEM 6320D



358/VEM 6315F



346/VEM 6320H, 348/VEM 6320E



362/VEM 6280E

ILLUSTRATIONS ARE NOT NECESSARILY ACTUAL SIZE.

## DIMENSIONS

TYPE	S.W.M	L.W.M	Strand Width	Strand Thickness	Mass per Sheet
Flatex 338/VEM 6311F	50	80	4.5	2.5	8.73
Flatex 344/VEM 6320C	25	50	3.0	1.6	6.74
Flatex 346/VEM 6320H	25	50	4.5	3.0	18.49
Flatex 348/VEM 6320E <i>Braze</i>	25	50	4.5	2.5	14.86
Flatex 349/VEM 6320D <i>Braze</i>	25	50	3.0	2.0	8.41
Flatex 352/VEM 6318F	15	40	3.0	1.6	10.02
Flatex 358/VEM 6315F	16	30	3.0	1.6	11.29
Flatex 362/VEM 6280E	8	20	2.0	1.0	9.01

WE RESERVE THE RIGHT TO CHANGE SPECIFICATION WITHOUT PRIOR NOTIFICATION.

## RECTAGRID PRESSURE LOCKED GRATING

### CONSTRUCTION

RECTAGRID is formed by the unique Mentis process of compressive locking of bearer bars and transversals. This process ensures permanent locking and accurate bearer bar pitching and results in the industry's finest grating. Manufactured under the International ISO 9001 Quality management system.

### FEATURES

The RECTAGRID OPEN ENDED SYSTEM or O.E.S eliminates banding of panels, improves appearance, simplifies design and erection and reduces costs. Due to the absence of welding, less corrosion occurs.

Accurate pitching gives an aesthetically pleasing pattern matching and unjointed appearance when joining open ended panels.

All transverse bars are 7.5 mm diameter  
For joining accessories, see page 8.

### RECTAGRID O.E.S. STANDARD PANELS

All RS40 RECTAGRID panels finish on half pitches in both directions with allowance for 4mm clearance between panels. Saddle clamps will automatically hold panels at full-pitch spacing. Calculation can therefore be based on full-pitches in both directions without making any allowances for clearance between panels.

Standard O.E.S panels are available at prices considerably lower than those for banded panels. Customers using standard panels to cut and fit at site, save in drawing office time and labour.

**Note:** Rectagrid grating has a maximum width of 1440mm and maximum length of 4760mm

### TYPES

RS40 - 25 bearer bars per metre width at 40 mm pitch.  
RS80 - 13 bearer bars per metre width at 80 mm pitch.  
Both RS40 and RS80 are available with non-slip dimples.

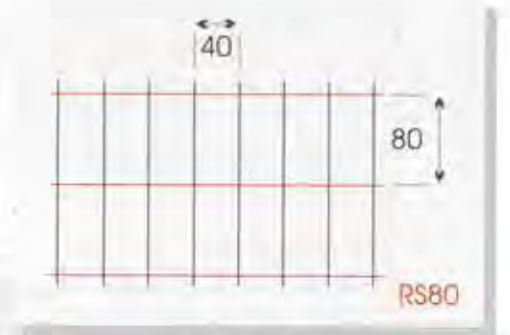
Mass per square metre (rounded off) must be incorporated with specification used.

For example:

RS40 - 25 x 4.5 30Kg

RS40 - 30 x 4.5 34Kg

RS40 - 40 x 4.5 43Kg



### BEARER BAR SIZES & MASS OF TYPES AVAILABLE

Bearer Bar Size mm	O.E.S Mass kg/sq m (mild steel uncoated)	
	RS40	RS80
25 X 4.5	29.63	18.15
30 X 3.0	25.23	14.62
30 X 4.5	34.05	20.27
40 X 3.0	31.10	18.85
40 X 4.5	42.88	24.51
50 X 4.5	51.70	28.74
60 X 3.0	42.88	-
60 X 4.5	60.55	32.99



Aluminium I Bar



Rectagrip RS40 Non-Slip

**TABLE OF STANDARD WIDTHS IN mm**

RECTAGRID			RECTAGRID		
Open Ended System			Banded		
No of Transversals	RS40	RS80	No of Transversals	RS40	RS80
8		600	9		645
9		680	10		725
10		760	11		805
11		840	12		885
12		920	13		965
13		1000	14		1045
14		1080	15		1125
15	600	1160	16	605	1205
16	640	1240	17	645	1285
17	680	1320	18	685	1365
18	720	1400	19	725	
19	760		20	765	
20	800		21	805	
21	840		22	845	
22	880		23	885	
23	920		24	925	
24	960		25	965	
25	1000		26	1005	
26	1040		27	1045	
27	1080		28	1085	
28	1120		29	1125	
29	1160		30	1165	
30	1200		31	1205	
31	1240		32	1245	
32	1280		33	1285	
33	1320		34	1325	
34	1360		35	1365	
35	1400		36	1405	
36	1440				

**MATERIALS AND FINISHES AVAILABLE**

MATERIAL	FINISH
MILD STEEL	Uncoated, bitumen dipped or galvanized to SABS 1461. Other point specifications on application. <small>NOTE: The bitumen coated matting supplied as a standard to our grating is not a protective coating as such - grid will deteriorate if exposed to the elements.</small>
ALUMINIUM	Uncoated
STAINLESS STEEL TYPES 304 AND 316	Uncoated, pickled and passivated
3CR12	Uncoated, pickled and passivated

**TABLE OF STANDARD LENGTHS IN mm (SPAN)**

**RECTAGRID**

Open Ended System

No of Transversals	1	2	3	4	5	6	7	8	9
10					600	640	680	720	760
20	800	840	880	920	960	1000	1040	1080	1120
30	1200	1240	1280	1320	1360	1400	1440	1480	1520
40	1600	1640	1680	1720	1760	1800	1840	1880	1920
50	2000	2040	2080	2120	2160	2200	2240	2280	2320
60	2400	2440	2480	2520	2560	2600	2640	2680	2720
70	2800	2840	2880	2920	2960	3000	3040	3080	3120
80	3200	3240	3280	3320	3360	3400	3440	3480	3520
90	3600	3640	3680	3720	3760	3800	3840	3880	3920
100	4000	4040	4080	4120	4160	4200	4240	4280	4320
110	4400	4440	4480	4520	4560	4600	4640	4680	4720

The positive non-slip design retains the loading as per Rectagrid RS40 loading tables whereas with serrated grating the loadings must be reduced.

Non-Slip is at it's maximum because of the positive raised sections on top of each bearer bar. It works well in all directions and with all footwear and is self cleaning. Available in mild steel and 3CR12.

**NOTE:** If ordering grating for screening or decorative purposes - Please advise our sales personnel.

**STOCK PANELS AVAILABLE IN RECTAGRID RS40**

Bearer Bar Size mm	Panel Size		Uncoated Mass kg
	Length mm	Width mm	
25 X 4.5	2400	1200	86
30 X 4.5	2400	1200	100
40 X 4.5	2400	1200	125
50 X 4.5	2400	1200	149
60 X 4.5	2400	1200	174

\* The above sizes are available in mild steel - uncoated, bitumen dipped or galvanized.

**ALUMINIUM I BAR**

Bearer Bar Size mm	Panel Size		Uncoated Mass kg
	Length mm	Width mm	
40	2400	1200	32

\* Our stock panel service gives you immediate availability.

