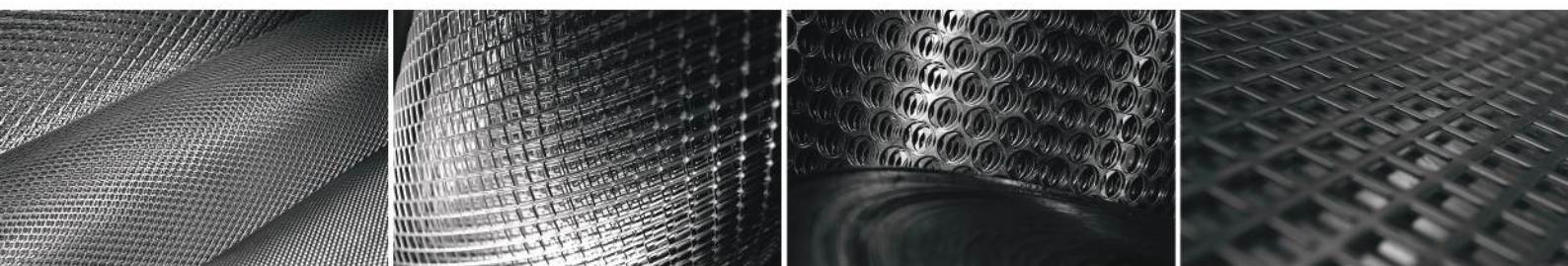




**M** **VIANA METAIS**  
PERFURADOS E TELAS LTDA.

GRADES DE PISO • GRADIL DE PROTEÇÃO • TELAS E TECIDOS METÁLICOS  
CHAPAS RECALCADAS • CHAPAS PERFURADAS • CHAPAS EXPANDIDAS

## Sinônimo de qualidade em perfis, chapas e barras de aço.



A Viana Metais oferece a você um variado estoque de chapas perfuradas, telas, tecidos metálicos belinox, belaço, gradis eletrosoldados e eletrofundidos, grades de pisos entre outros.

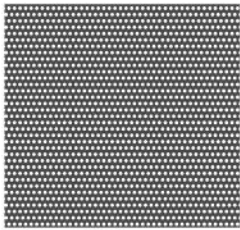
A Empresa Viana Metais foi um marco na história da comercialização no setor de metais perfurados e similares. Localizada no estado de São Paulo, a empresa foi fundada em 1997 dentro de uma oportunidade encontrada por seu fundador após 30 anos atuando neste ramo.

O espírito empreendedor e a criatividade fazem da qualidade, o princípio do atendimento aos seus clientes e de seus produtos comercializados. Sua história e crescimento marcam presença em páginas do processo deste mercado.

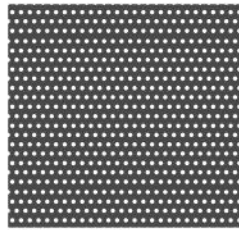
Nossos produtos são sinônimos de liderança, bom atendimento e pontualidade em suas entregas. O aprimoramento de processos e administração é constante para acompanhar a evolução do mercado.

Quem assina Viana Metais no que faz, sabe a importância da qualidade nos produtos e serviços que desde 1997, desenvolve o mercado e faz sua história!

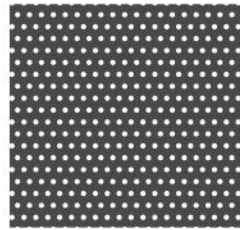
# Furos Redondos



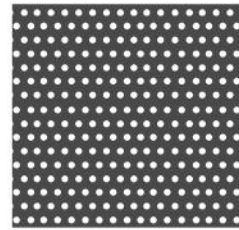
Ø 0,5mm - 0.020"  
EC 1mm AA 2096



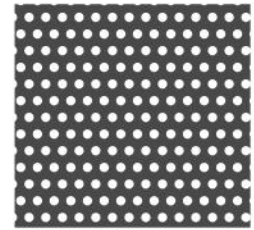
Ø 0,8mm - 1/32"  
EC 1,6mm AA 2396



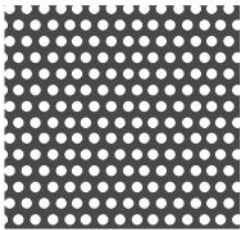
Ø 1mm - 1/39"  
EC 2,0mm AA 2396



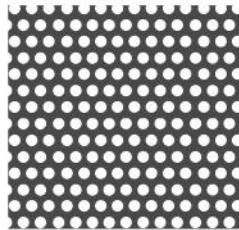
Ø 1,2mm - 3/64"  
EC 2,4mm AA 22,696



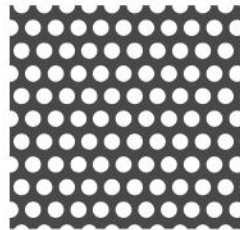
Ø 1,58mm - 1/16"  
EC 3,0mm AA 2696



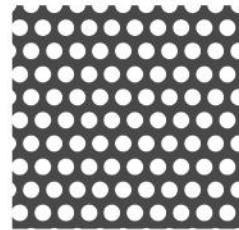
Ø 1,8mm - 0.070"  
EC 3,0mm AA 3396



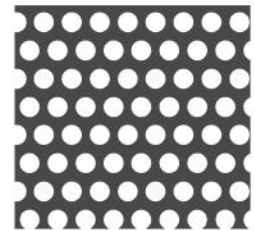
Ø 2,0mm - 5/64"  
EC 3,0mm AA 4096



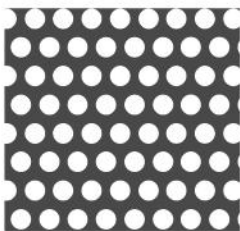
Ø 2,5mm - 0.987"  
EC 4,0mm AA 3596



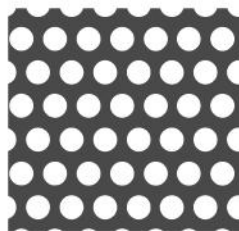
Ø 2,8mm - 7/64"  
EC 4,0mm AA 4496



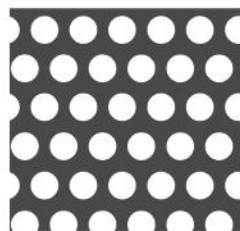
Ø 3,17mm - 1/8"  
EC 5,0mm AA 3696



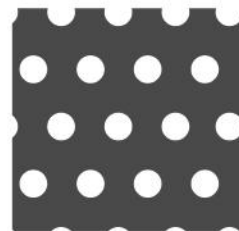
Ø 3,5mm - 9/64"  
EC 5,0mm AA 4496



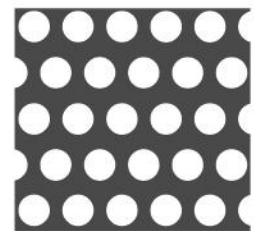
Ø 3,95mm - 5/32"  
EC 6,0mm AA 3996



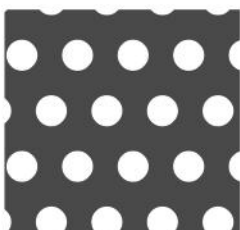
Ø 4,76mm - 3/16"  
EC 7,0mm AA 4296



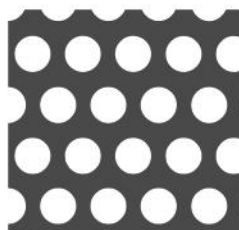
Ø 4,76mm - 3/16"  
EC 10mm AA 2196



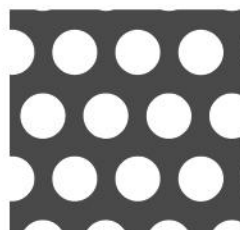
Ø 5,55mm - 7/32"  
EC 8,0mm AA 4396



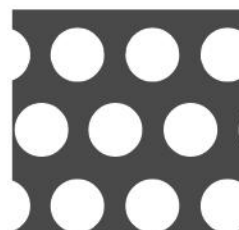
Ø 5,5mm - 7/32"  
EC 10mm AA 2896



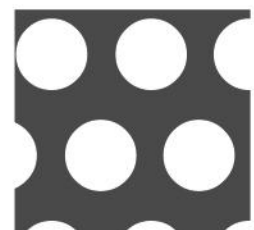
Ø 6,35mm - 1/4"  
EC 9mm AA 4596



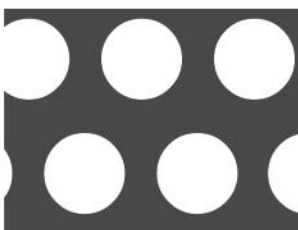
Ø 8mm - 5/16"  
EC 11mm AA 4896



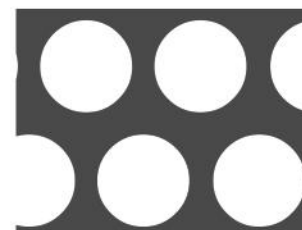
Ø 9,53mm - 3/8"  
EC 13mm AA 4896



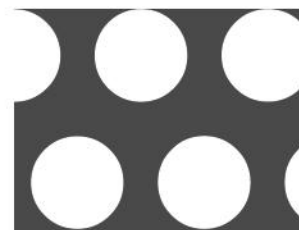
Ø 12,7mm - 1/2"  
EC 18mm AA 4596



Ø 14,28mm - 9/16"  
EC 20mm AA 4696



Ø 15,87mm - 5/8"  
EC 20mm AA 5796



Ø 15,87mm - 5/8"  
EC 22mm AA 4796



Ø 19mm - 3/4"  
EC 26mm AA 4896

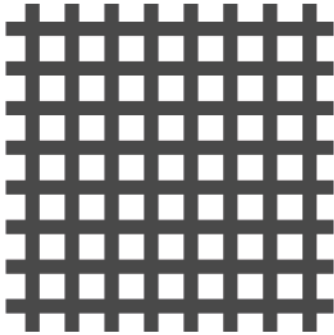


Ø 22,2mm - 7/8"  
EC 28mm AA 5796

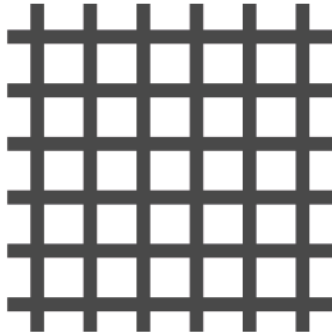


Ø 25,4mm - 1"  
EC 32mm AA 5796

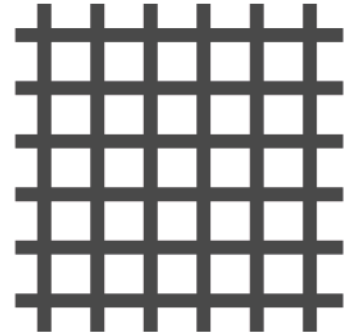
# Furos Quadrados



5mm - C = 8mm - RETA  
AA 3996



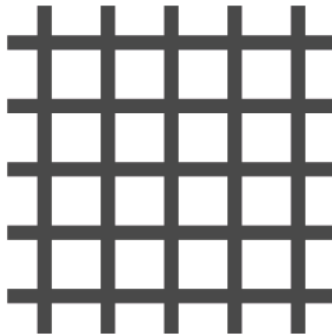
6mm - C = 9mm - RETA  
AA 4596



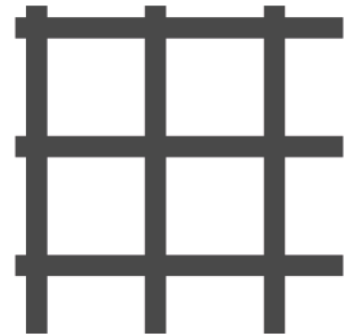
8mm - C = 11mm - RETA  
AA 5396



10mm - C = 12mm - RETA  
AA 6996

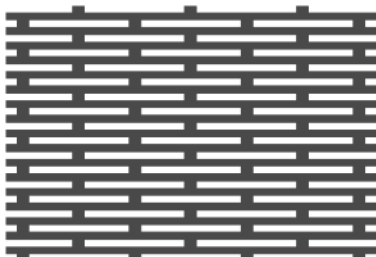


10mm - C = 13mm - RETA  
AA 5996

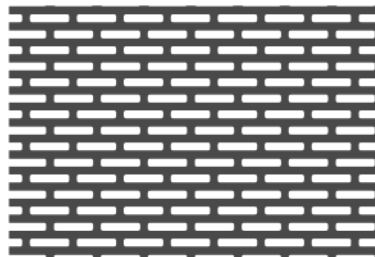


20mm - C = 24mm - RETA  
AA 6996

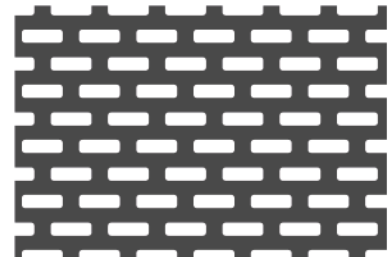
# Furos Oblongos



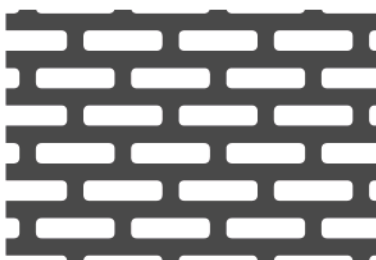
1,2 X 25mm - AL  
C = 3,5mm C = 29mm AA 2996



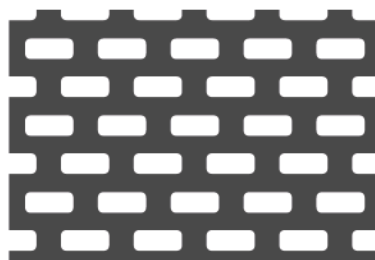
2 X 10mm - AL  
C = 4mm C = 12mm AA 4096



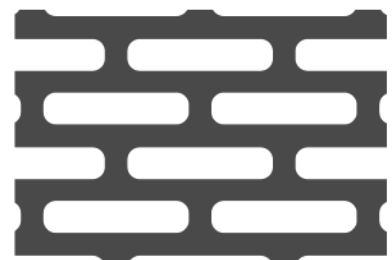
3 X 10mm - AL  
C = 6,7mm C = 14mm AA 3096



4,8 X 9mm - AL  
C = 9mm C = 23mm AA 4496

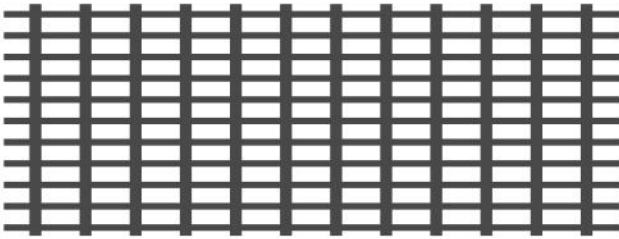


5 X 12,7mm - AL  
C = 10mm C = 19mm AA 3396

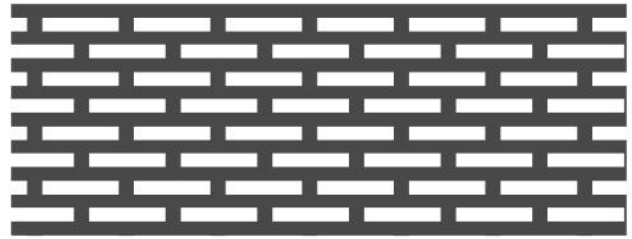


8 X 38mm - AL  
C = 14mm C = 44mm AA 4796

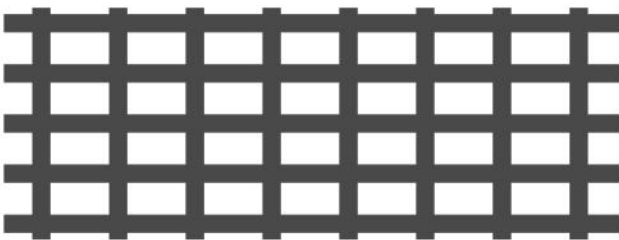
## Furos Retangulares



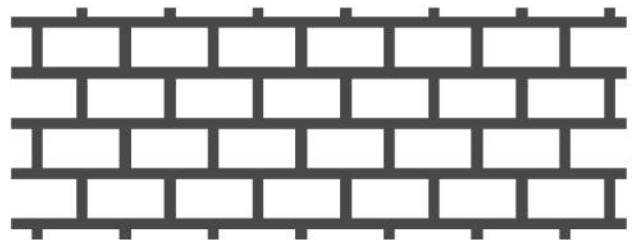
4 x 10mm - R  
C = 5,5mm C = 13mm AA 5696



3,5 x 20mm - AL  
C = 7,0mm C = 24mm AA 4196

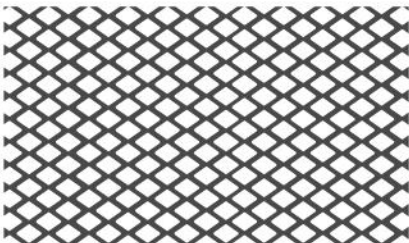


8 x 15mm - R  
C = 13mm C = 20mm AA 4696

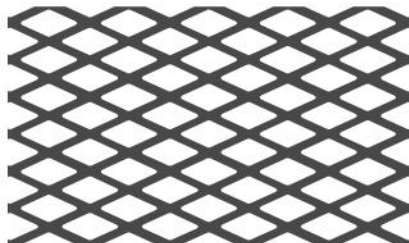


10 x 20mm - AL  
C = 13mm C = 23mm AA 6696

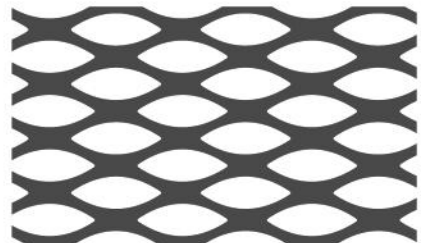
## Furos Losangulares



4,7 x 6,35mm - AL  
C = 7mm C = 10mm AA 4596



7 x 14mm - AL  
C = 9,5mm C = 21mm AA 4996



8 x 24mm - AL  
C = 13,5mm C = 340mm AA 4296

## Furos Hexagonais



10mm C = 14mm  
AA 5196



13mm C = 17mm  
AA 5896

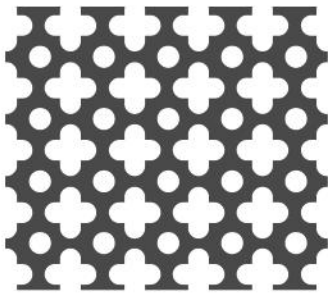


21mm C = 26mm  
AA 6596

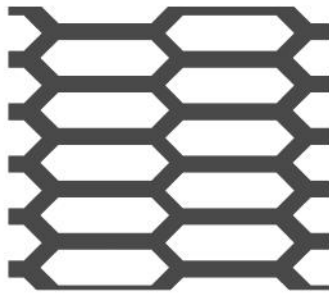


22mm C = 30mm  
AA 5496

# Furos Ornamentais



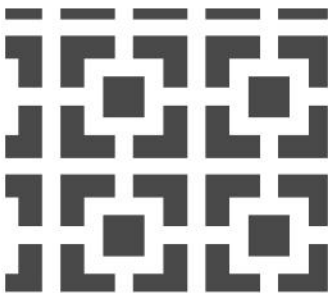
Nº 11  
Espessura 0,75 até 1,2mm



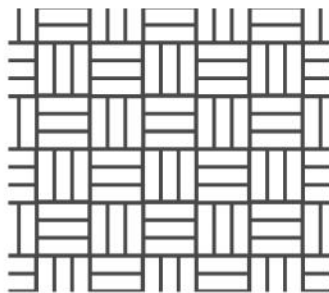
Nº 18  
Espessura 0,9 até 1,2mm



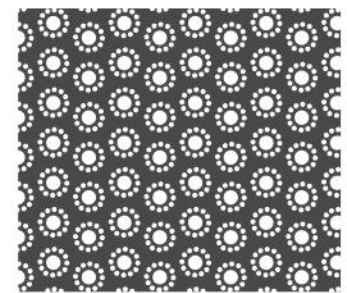
Nº 20  
Espessura 0,75 até 0,9mm



Nº 24

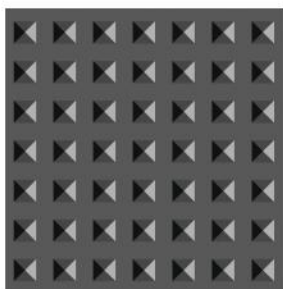


Nº 15/17

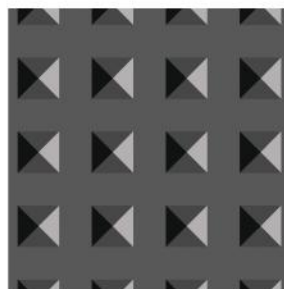


Nº 33

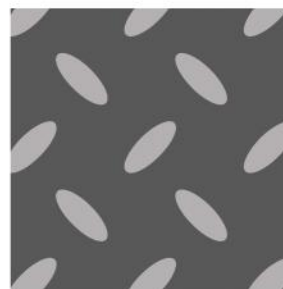
# Chapas Recalcadas



Chapa Recalcada  
Tipo 1



Chapa Recalcada  
Tipo 2



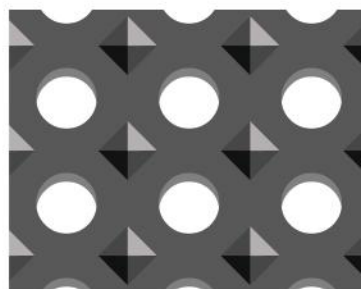
Chapa Recalcada  
Tipo 3



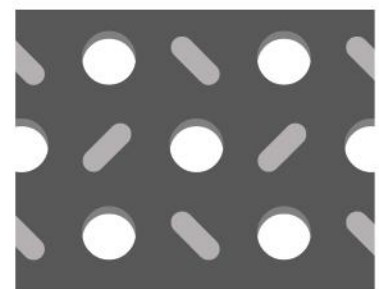
Chapa Recalcada  
Tipo 4



Chapa Recalcada  
Tipo 5

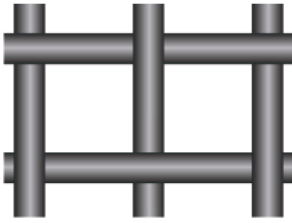


Chapa Recalcada  
Tipo 6

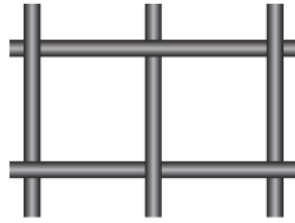


Chapa Recalcada  
Tipo 7

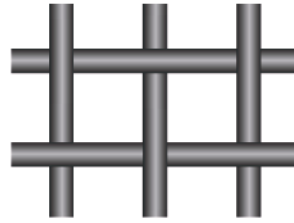
# Telas e Tecidos Metálicos



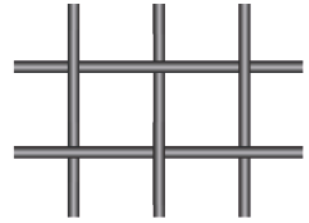
Malha 2-fio-14 BWG



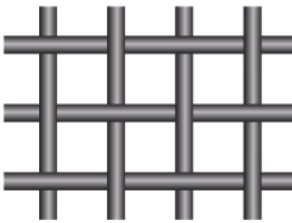
Malha 2-fio-18 BWG



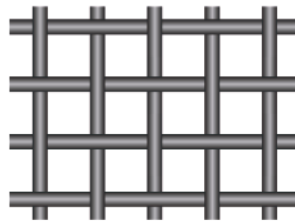
Malha 2 1/2-fio-14 BWG



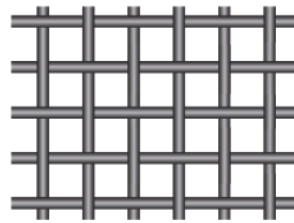
Malha 2 1/2-fio-18 BWG



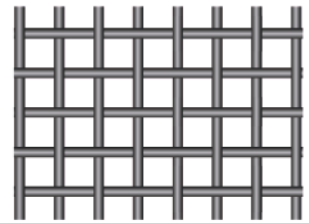
Malha 3-fio-18 BWG



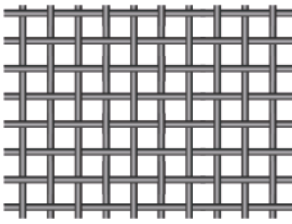
Malha 4-fio-16 BWG



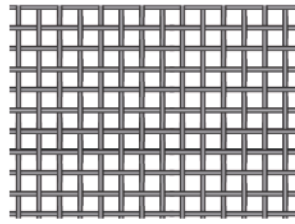
Malha 5-fio-19 BWG



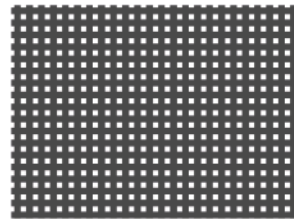
Malha 6-fio-19 BWG



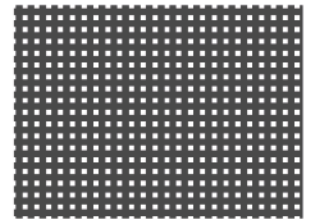
Malha 8-fio-20 BWG



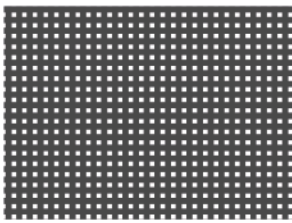
Malha 10-fio-21 BWG



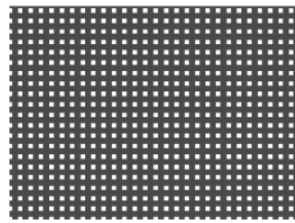
Malha 12-fio-24 BWG



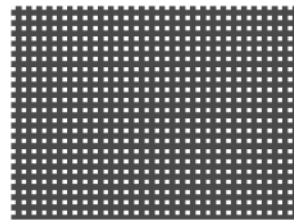
Malha 14-fio-26 BWG



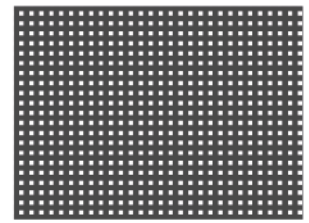
Malha 16-fio-26 BWG



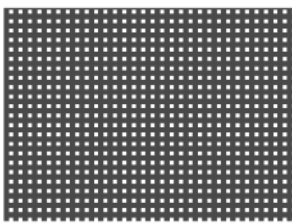
Malha 18-fio-26 BWG



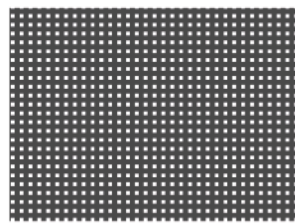
Malha 20-fio-28 BWG



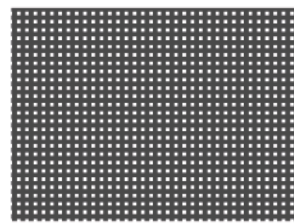
Malha 22-fio-28 BWG



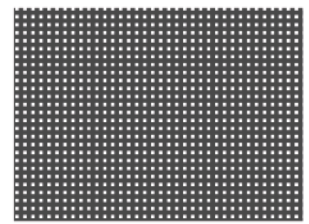
Malha 24-fio-30 BWG



Malha 26-fio-30 BWG



Malha 28-fio-30 BWG



Malha 30-fio-32 BWG

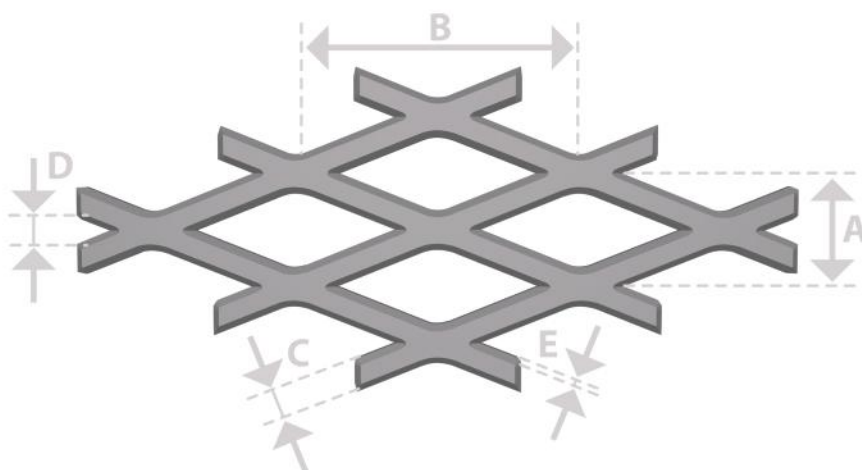


Telas Losangulares e Quadriladas



Telas Artísticas

# Chapas Expandidas



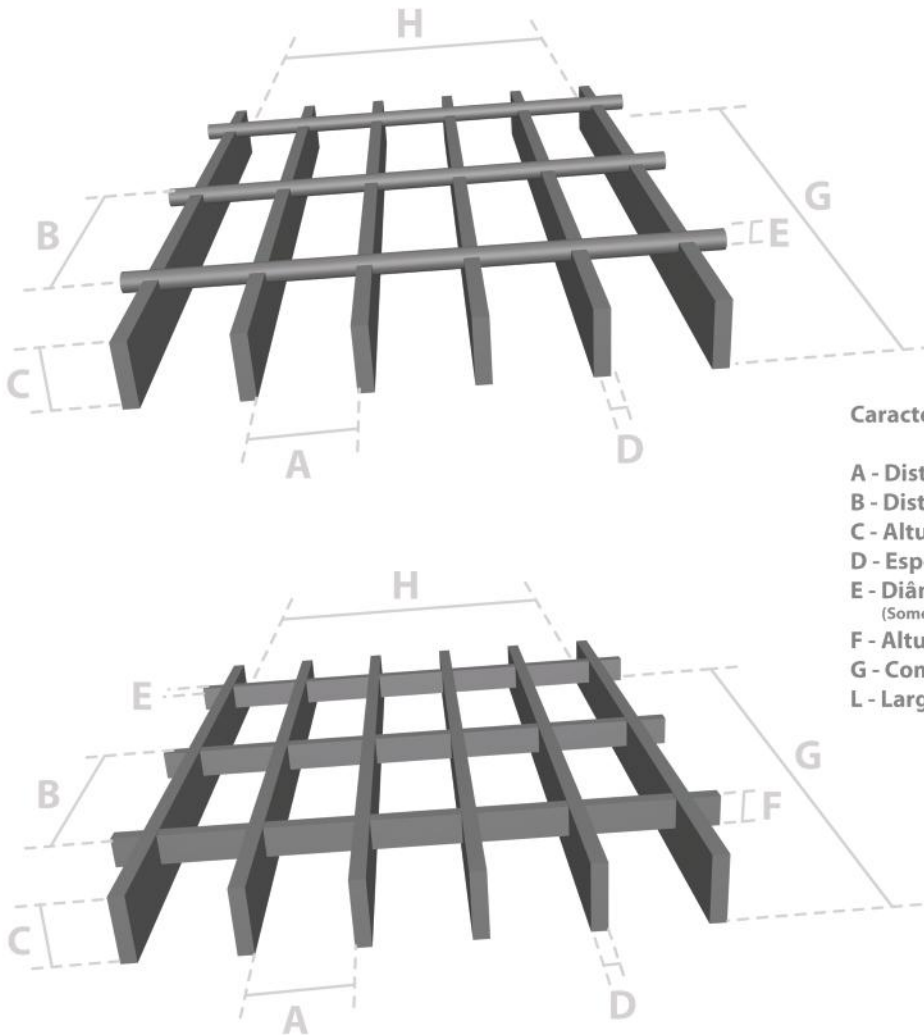
**DADOS TÉCNICOS**  
 A = Centro da malha menor  
 B = Centro da malha maior  
 C = Cruzeta  
 D = Espessura

## Principais malhas disponíveis:

REF.	MEDIDAS EM MILÍMETROS					ÁREA ABERTA EM %
	A	B	C	D	E	
EXP2	2	4	0,5	1	0,45	50
EXP3	3	6	0,8	1,6	0,6	46,5
EXP4	4	8	0,6	1,6	0,6	60
EXP5	5,5	10	0,8	1,6	0,6	71
EXP9a	9	20	1,5	3	1,25	66,5
EXP12a	12	25	1,5	3	1,25	75
EXP12b	12	25	1,8	3,6	1,6	70
EXP20b	20	50	3,5	7	3	80
EXP38b	38	75	3,8	7,5	3	80
EXP38c	38	75	5	10	4,75	73,5
GME1	46	100	6,5	15	6,35	60
GME3	46	100	4,75	9,5	4,75	70
GME4	34	133	6,8	13,6	4,75	68
GME5	34	133	7,6	15,2	6,35	65
GME8	34	133	10,3	20,6	8	38
GME9	34	133	9,5	21,3	9,5	42



# Grades de Piso



### Características das Grades Tipo A1 e A2:

- A - Distância entre as barras portantes
- B - Distância entre as barras de ligação
- C - Altura das barras portantes
- D - Espessura das barras portantes
- E - Diâmetro das barras de ligação  
(Somente na Grade Tipo A1)
- F - Altura das barras de ligação
- G - Comprimento
- L - Largura

**Observação:** Determine você mesmo sua especificação. Basta remeter desenhos, que faremos de acordo com a sua necessidade.

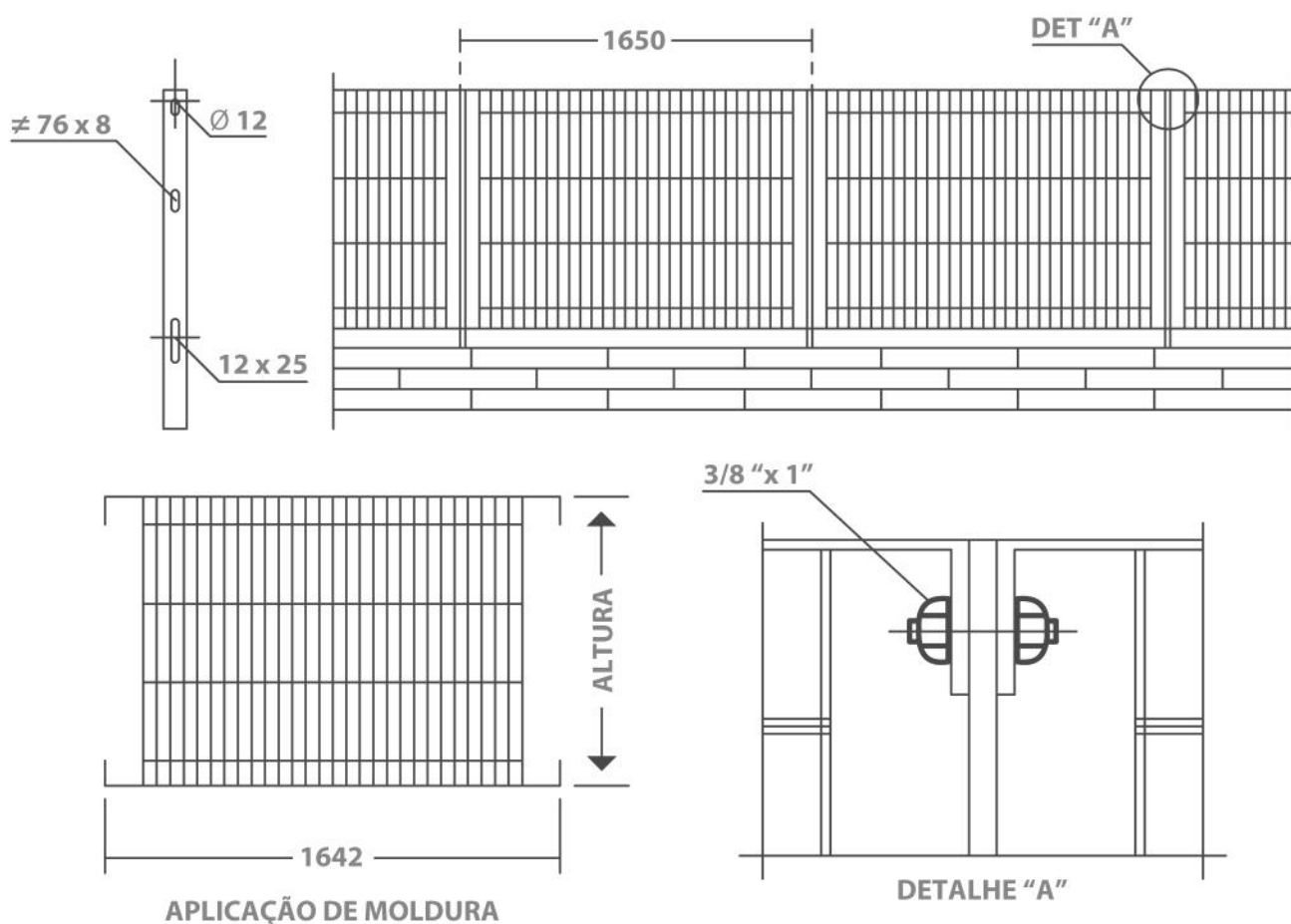
malhas	Seção barra portante em mm	Distância entre apoios em milímetro																	Peso em Kg/m <sup>2</sup>	
		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900		2000
25 x 25	20 x 2	7770	4370	2800	1940	1430	1090	860	700	580	480	410	360	310	270	240	210	190	170	16,7
	25 x 2	12150	6830	4370	3030	2230	1710	1350	1090	900	760	640	560	480	430	380	340	300	270	19,9
	30 x 3	26240	14760	9440	6560	4820	3690	2910	2360	1950	1640	1400	1200	1050	920	820	730	650	590	34,9

30 x 50	20 x 2	6130	3450	2200	1530	1130	860	680	550	460	380	280	250	210	190	170	150	140	12,7	
	25 x 2	9570	5380	3450	2390	1760	1350	1060	860	710	600	510	440	380	340	300	270	240	220	15,4
	25 x 3	14360	8080	5170	3590	2640	2020	1600	1290	10703	900	760	660	570	500	450	400	360	320	23,2
	30 x 3	20670	11630	7440	5170	3800	2910	2300	1860	1540	1290	1100	950	830	730	640	570	510	460	27,3
	40 x 3	36750	20670	13230	9190	6750	5170	4080	3310	2740	2300	1960	1690	1470	1290	1150	1020	920	830	35,2

30 x 100	25 x 3	13600	7650	4900	3400	2500	1910	1510	1220	1010	850	730	630	540	480	420	380	340	310	22,0
	30 x 3	19590	11020	7050	4900	3600	2760	2180	1760	1460	1220	1040	900	780	690	610	540	490	440	25,6
	40 x 3	34820	19590	12530	8700	6390	4900	3870	3130	2590	2180	1850	1600	1390	1220	1080	970	870	780	33,6

\*A LINHA MAIS ESCURA ESTABELECE O LIMITE DE CARGAS UNIFORMES PARA UMA FLEXA MAX 1/200 DO VÃO LIVRE.

# Gradil de Proteção



Altura dos painéis (mm)	662 - 926 - 1322 - 1718 - 2114 - 2510
Suporte de fixação (mm)	76 X 8
Malhas (mm)	60 X 132 - 60 X 66
Barras portantes (mm)	26 X 2 - 26 X 3 - 30 X 4,25 mm
Moldura (mm)	26 X 3 - 30 X 3
Distância entre suportes (mm)	1650
Fios de ligação (mm)	4 mm - 5 mm - 63 mm

**Observação:** Podem ser fabricadas outras peças sob encomenda.

## Dados necessários para formular uma consulta ou um pedido.

**Material:** aço recozido (ferr), galvanizado, inoxidável, (Aisi, 304, 304-L, 316, 316-L, 231) cobre latão, alumínio, monel, bronze, fósforo, polipropileno, polietileno, nylon, etc.

**Tipo de tecido:** tecido quadrado, retângular, cruzado, holândes, etc.

**Malha:** números de fios paralelos por polegadas linear.

**Diâmetro do fio:** de preferência em milímetros.

**Dimensões:** comprimento e largura. Rolos inferiores a 20m de comprimento encarecem sensivelmente o preço.

**Acabamento:** estanhadas, pintadas, aveludadas, dobradas, recortadas, estampadas, emolduradas, etc.



**Amostra:** sempre que possível deve ser fornecida uma amostra do tecido desejado para sua exata identificação.



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