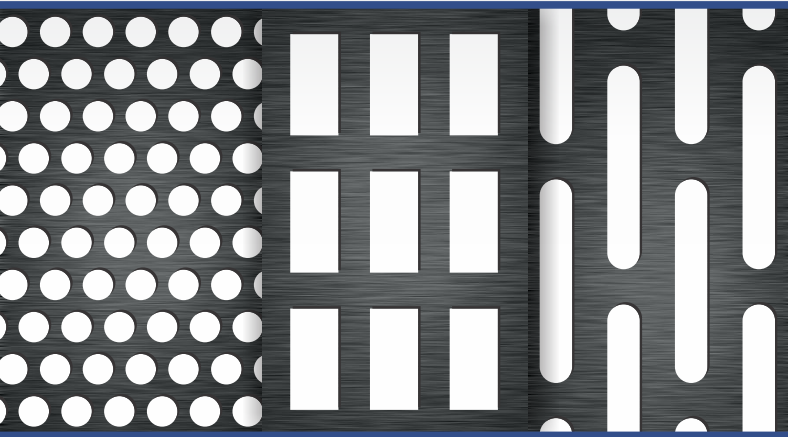
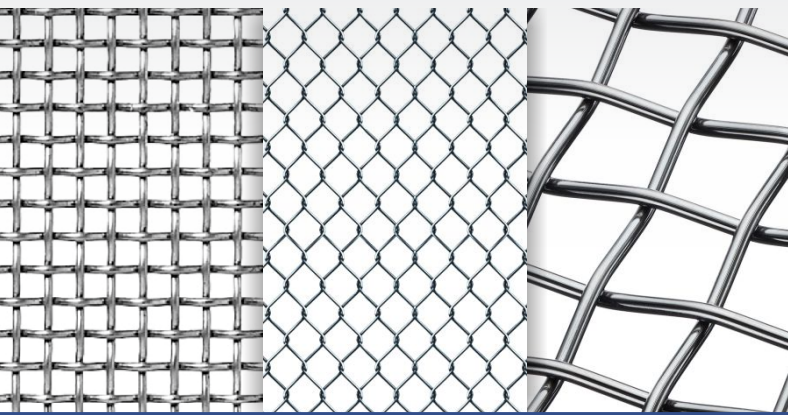


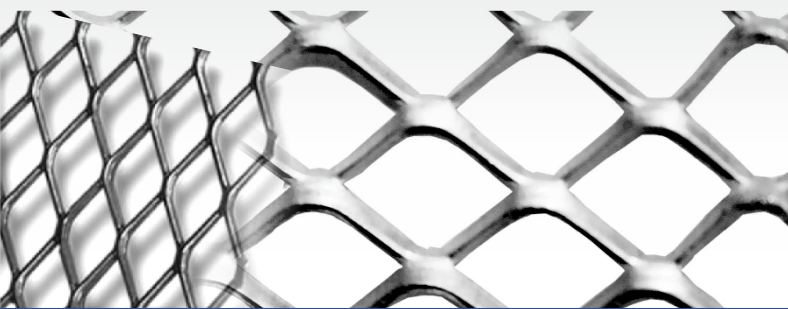
CHAPAS PERFURADAS



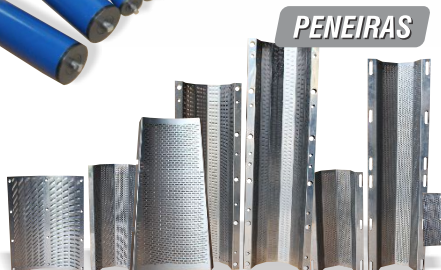
TELAS METÁLICAS



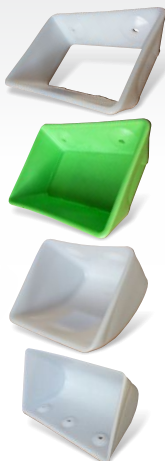
METAIS EXPANDIDOS



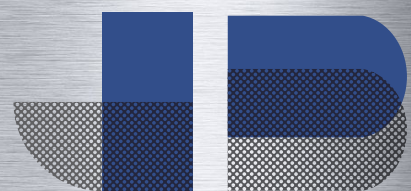
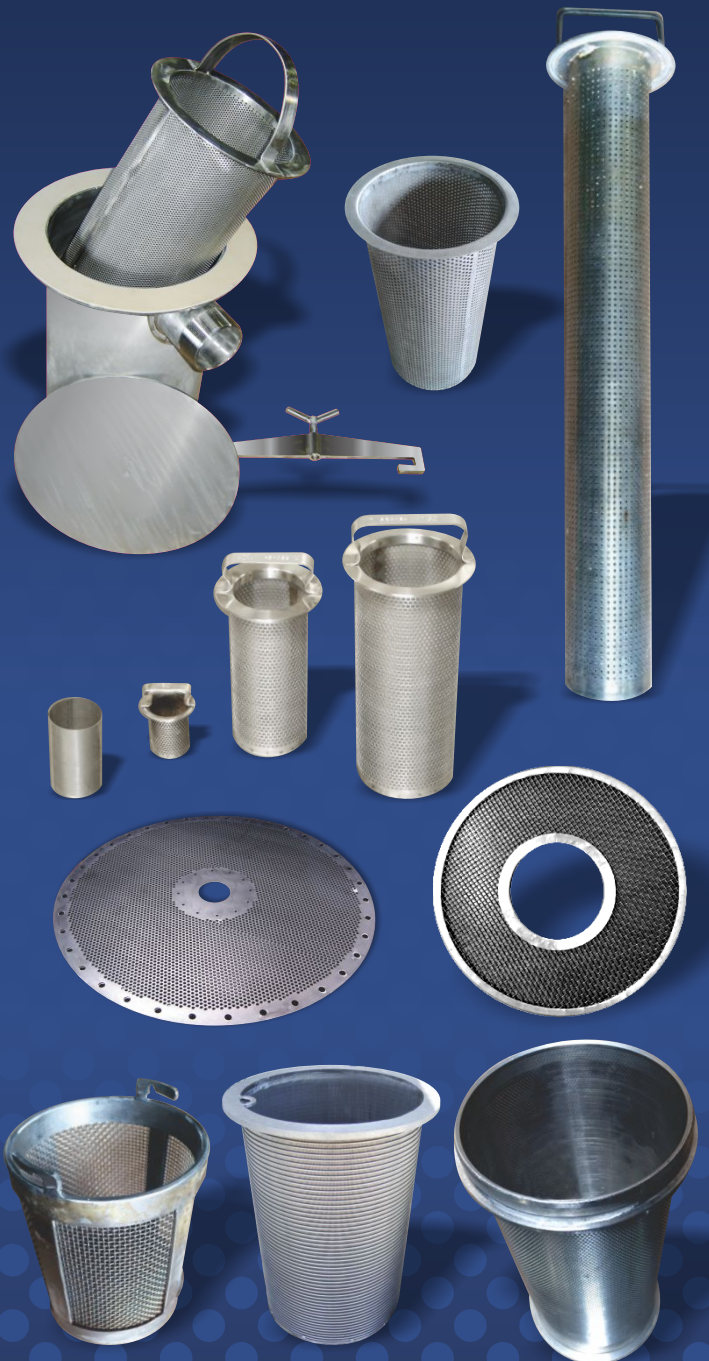
OUTROS PRODUTOS



CAÇAMBAS



FILTROS INDUSTRIAIS



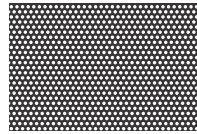
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METAIS PERFURADOS

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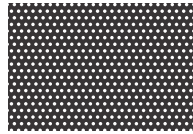


CHAPAS PERFORADAS

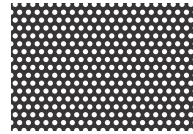
FUROS REDONDOS



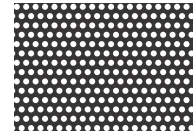
Ø 0,5 mm EC. 1,0 mm
A.A. 20%



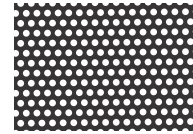
Ø 0,5 mm EC. 1,2 mm
A.A. 22%



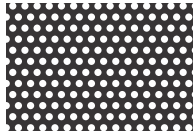
Ø 0,7 mm EC. 1,4 mm
A.A. 18%



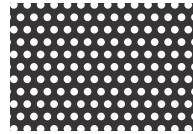
Ø 0,8 mm EC. 1,6 mm
A.A. 22%



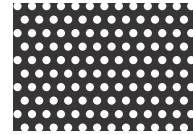
Ø 0,9 mm EC. 1,8 mm
A.A. 22%



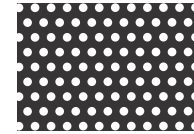
Ø 1,0 mm EC. 2,0 mm
A.A. 26%



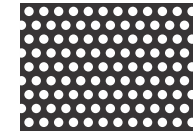
Ø 1,1 mm EC. 2,2 mm
A.A. 25%



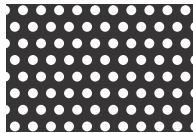
Ø 1,2 mm EC. 2,4 mm
A.A. 25%



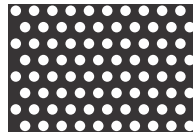
Ø 1,3 mm EC. 2,7 mm
A.A. 26%



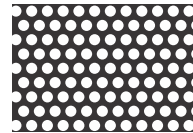
Ø 1,4 mm EC. 1,8 mm
A.A. 25%



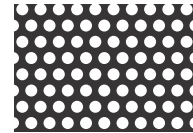
Ø 1,5 mm EC. 3,0 mm
A.A. 23%



Ø 1,6 mm EC. 3,0 mm
A.A. 26%



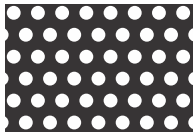
Ø 1,8 mm EC. 2,6 mm
A.A. 44%



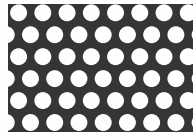
Ø 2,0 mm EC. 3,0 mm
A.A. 40%



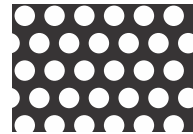
Ø 2,2 mm EC. 4,0 mm
A.A. 26%



Ø 2,4 mm EC. 4,0 mm
A.A. 31%



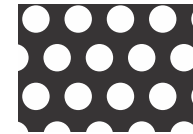
Ø 3,0 mm EC. 4,0 mm
A.A. 45%



Ø 3,5 mm EC. 5,0 mm
A.A. 44%

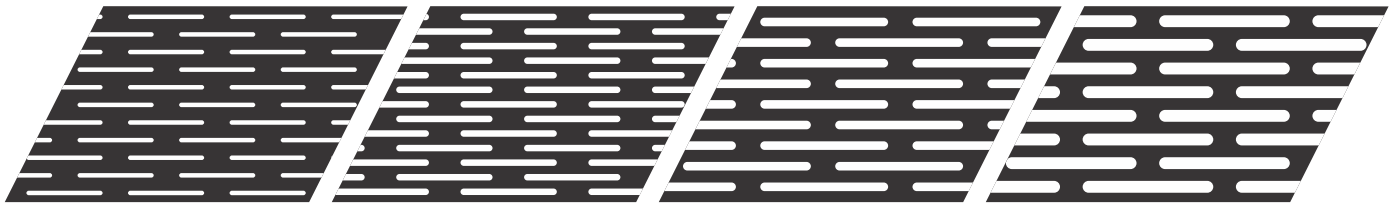


Ø 3,8 mm EC. 5,0 mm
A.A. 47%



Ø 3/16" EC. 7,0 mm
A.A. 41%

FUROS OBLONGOS



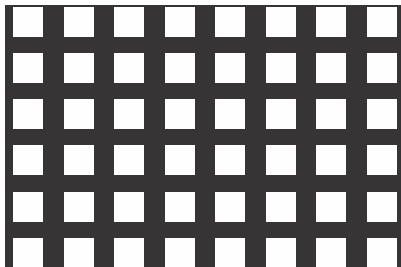
OBL. 0,8 x 12 mm EC. 3 x 16 mm
AL - A.A. 20%

OBL. 1,2 x 15 mm EC. 2,5 x 20 mm
AL - A.A. 27%

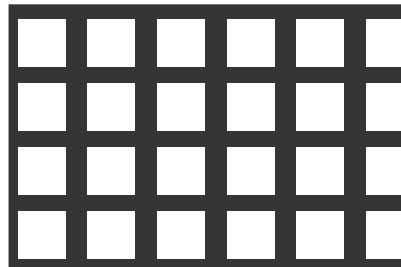
OBL. 1,5 x 20 mm EC. 3,5 x 24 mm
AL - A.A. 30%

OBL. 2 x 20 mm EC. 4 x 24 mm
AL - A.A. 30%

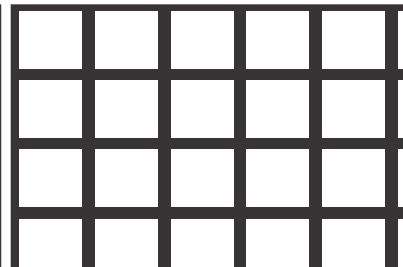
FUROS QUADRADOS



5,0 mm EC. 8,0 mm ALT. A.A. 36%



8,0 mm EC. 11 mm ALT. A.A. 52%



10,0 mm EC. 12 mm ALT. A.A. 70%

FUROS CÔNICOS

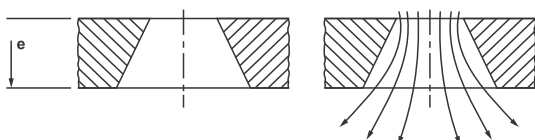


TABELA DE FUROS CÔNICOS

BITOLA DA CHAPA	BWG	22	22	22	20	18	18	16	16	16	16	16	14	11	11
		MM	0,76	0,76	0,76	0,91	1,21	1,21	1,52	1,52	1,52	1,52	1,52	1,90	3,04
DIÂM. DO FURO		0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1,0	1,2	1,5	1,8	2,0



TABELA DOS FUROS REDONDOS ALTERNADOS PADRÃO

DIÂMETRO DOS FUROS	ENTRE CENTROS	ÁREA ABERTA
0,5	1,0	20
0,8	1,6	22
1,0	1,9	25
1,2	2,5	25
1,3	2,5	24
1,4	2,5	28
1,5	2,5	32
1,6	3,0	26
1,8	3,0	32
2,0	3,0	40
2,2	3,6	33
2,3	3,6	36
2,4	4,0	32
2,5	4,0	35
2,8	4,4	36

DIÂMETRO DOS FUROS	ENTRE CENTROS	ÁREA ABERTA
3,0	4,4	42
3,0	5,0	32
3,2	5,0	37
3,5	5,0	44
4,0	6,0	40
4,0	7,5	25
4,5	7,5	32
4,75	7,5	35
5,0	7,5	42
5,5	8,7	35
6,0	9,0	40
7,0	10,0	44
8,0	12,5	36
9,0	12,5	45
9,5	14,7	38

DIÂMETRO DOS FUROS	ENTRE CENTROS	ÁREA ABERTA
10,0	15,0	40
11,0	14,7	50
12,0	17,5	47
13,0	17,5	45
14,0	20,0	44
15,0	20,0	50
16,0	22,5	45
18,0	25,0	46
20,0	27,5	46
22,0	30,0	48
25,0	35,0	45
30,0	40,0	50
32,0	45,0	45
38,0	50,0	52
45,0	55,0	60

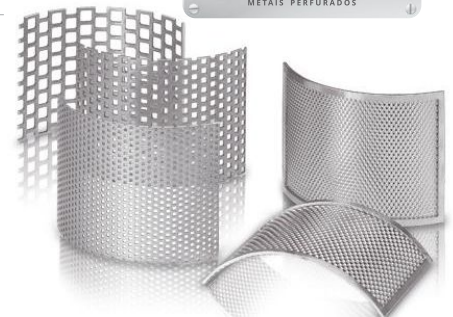
DISPOSIÇÃO DOS FUROS REDONDOS



FUROS OBLONGOS - OBL

Características necessárias para especificar uma chapa metálica perfurada:

1. Material (ferro, aço, inox, latão, alumínio etc.)
2. Espessura da chapa
3. Dimensões da chapa (comprimento e largura)
4. Dimensões dos furos (largura e comprimento)
5. Distância entre centro (distância entre o centro dos furos - terminal e lateral)
6. Disposição dos furos ("ALL" - Alternada Lateral Longitudinal; "ALT" - Alternada Lateral Transversal; "ATL" - Alternada Terminal Longitudinal; "ATT" - Alternada Terminal Transversal; "RT" - Reta Transversal e "RL" - Reta Longitudinal)
7. Dimensões das margens sem perfuração ("ML" - Margem Lateral; "MT" - Margem Terminal)



DISPOSIÇÃO DOS FUROS OBLONGOS

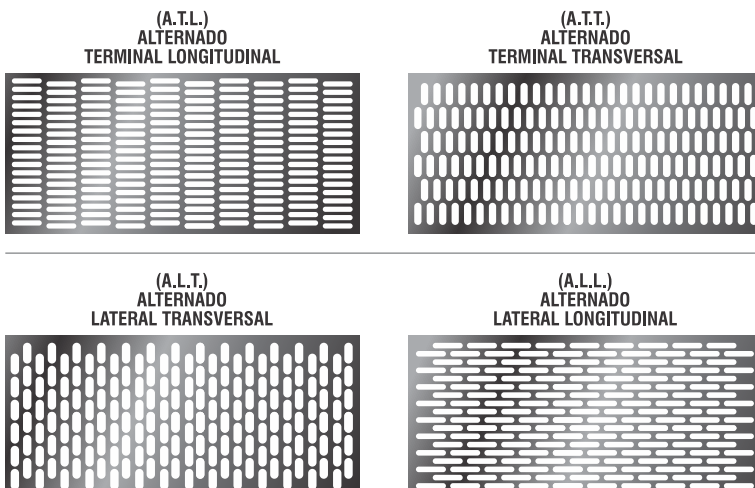


TABELA DOS FUROS OBLONGOS

DIMENSÕES DOS FUROS	ENTRE CENTROS	ÁREA ABERTA	DIMENSÕES DOS FUROS	ENTRE CENTROS	ÁREA ABERTA
0,8 x 15	2,5 x 18	27	3,1 x 20	6,0 x 25	42
0,9 x 15	2,5 x 18	30	3,2 x 20	6,0 x 23	42
1,0 x 15	2,5 x 18	30	3,5 x 20	7,0 x 23	42
1,1 x 15	2,5 x 18	30	3,5 x 70	7,5 x 75	48
1,2 x 15	3,0 x 18	33	4,0 x 20	7,6 x 23	44
1,3 x 20	3,0 x 25	35	4,0 x 40	8,7 x 45	40
1,4 x 20	3,0 x 25	35	4,75 x 20	7,5 x 23	51
1,5 x 20	4,0 x 23	32	5,0 x 20	8,7 x 25	46
1,6 x 20	4,0 x 23	34	5,5 x 20	9,0 x 25	50
1,75 x 20	4,2 x 23	34	6,0 x 20	10,0 x 25	45
1,8 x 20	3,6 x 23	40	6,35 x 35	11,0 x 30	46
1,9 x 20	4,5 x 23	40	7,0 x 20	11,0 x 25	47
2,0 x 20	3,6 x 23	38	7,0 x 40	12,5 x 45	42
2,2 x 20	4,5 x 23	35	8,0 x 25	12,5 x 30	49
2,3 x 20	5,0 x 25	40	9,0 x 20	14,7 x 30	47
2,4 x 20	5,0 x 25	41	10,0 x 25	15,0 x 30	50
2,5 x 20	5,0 x 25	39	12,0 x 27	17,5 x 35	46
2,6 x 20	5,8 x 23	39	15,0 x 27	22,5 x 35	46
2,8 x 20	5,3 x 23	42	16,0 x 35	25,0 x 45	45
3,0 x 20	5,8 x 23	42	18,0 x 35	27,5 x 45	28



CHAPAS EXPANDIDAS

CHAPAS EXPANDIDAS

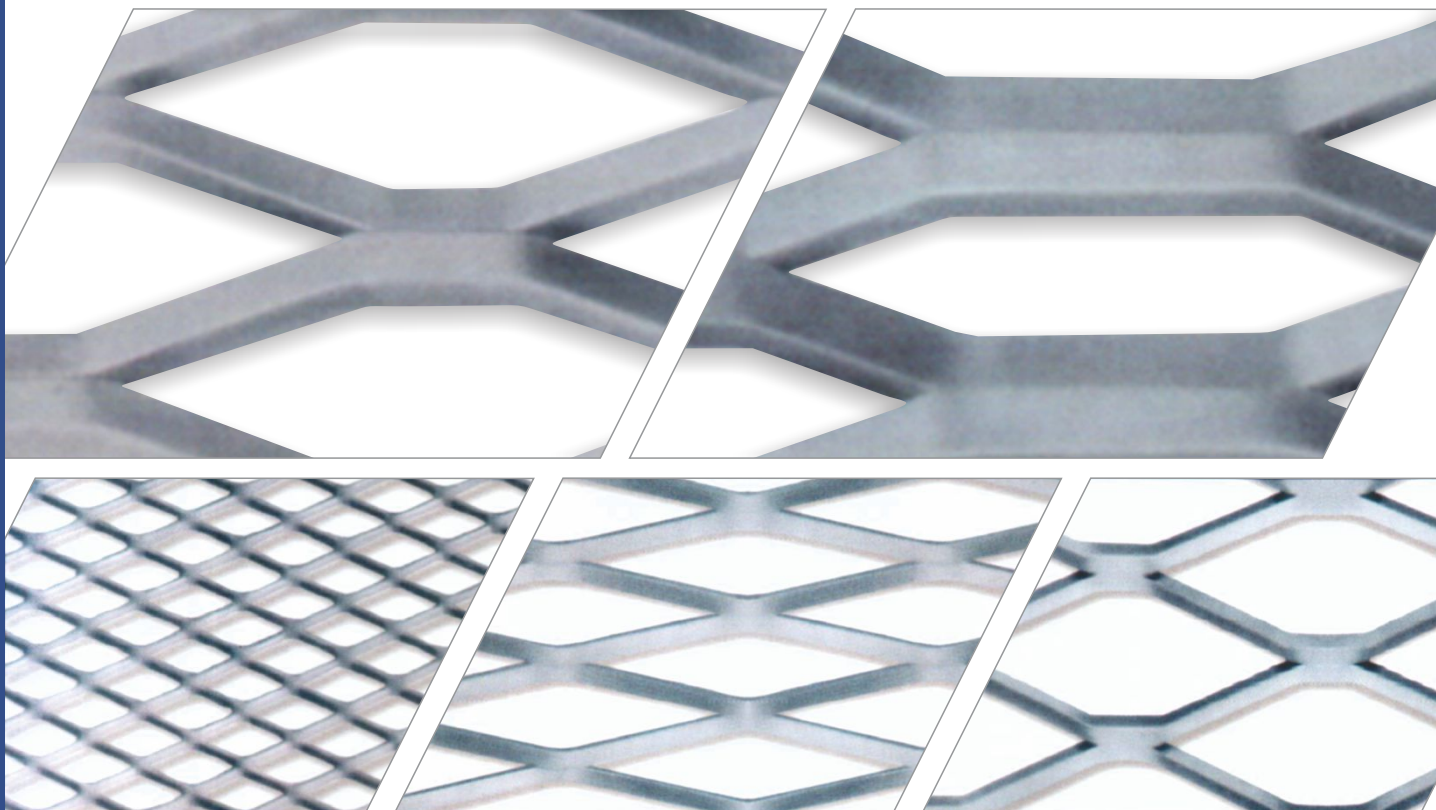
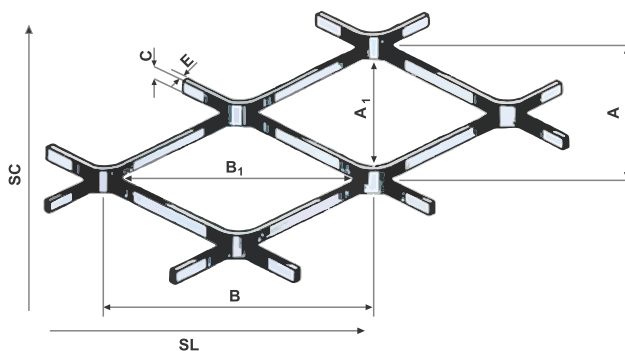


TABELA DE METAL EXPANDIDO LEVE

DESIGNAÇÃO	A	B	C	E	PESO P/ m ²
EXP 2	2	4	0,5	0,45	1,909
EXP 3	3	6	0,8	0,6	2,76
EXP 4	4	8	0,8	0,6	2
EXP 5	5,5	10	0,8	0,6	1,5
EXP 5-A	5,5	10	0,8	0,75	1,87
EXP 5-B	5,5	10	1	0,9	2,8
EXP 6	6,2	13	0,8	0,75	1,65
EXP 9	9	20	1	0,9	1,72
EXP 9-A	9	20	1,5	1,25	3,6
EXP 12	12	25	1	0,9	1,3
EXP 12-A	12	25	1,5	1,25	2,7
EXP 12-B	12	25	1,8	1,5	3,87
EXP 12-C	12	25	2,2	1,5	4,75
EXP 12-D	12	25	2,5	2	7,1
EXP 13	13,5	45	1,8	0,9	2,1
EXP 13-A	13,5	45	2,5	1,25	4
EXP 13-B	13,5	45	2	2	5,2
EXP 13-C	13,5	45	3,5	2,65	12,2
EXP 14	14	32	1,2	0,75	1
EXP 14-A	14	32	1,5	1,25	2,32
EXP 14-B	14	32	1,8	1,5	3,3
EXP 20	20	50	2	1,5	2,32
EXP 20-A	20	50	2,5	2	4,25
EXP 20-B	20	50	3,5	3	9,2
EXP 29	29	54	3	2	3,6
EXP 38	38	75	2	1,5	1,35
EXP 38-A	38	75	2,5	1,9	2,2
EXP 38-B	38	75	3,8	3	5,2
EXP 38-C	38	75	5	4,7	10,7

TABELA DE METAL EXPANDIDO PESADO

DESIGNAÇÃO	A X B	E	A1	B1	C	AA %	PESO m ²
GME 1	40 x 100	6,35	26	72	7,5	59	18
GME 1 L	50 x 100	6,35	43	80	6,0	53	10
GME 2	51 x 100	6,35	43	117	7,8	57	15
GME 3	34 x 133	4,75	28	87	4,7	70	10
GME 3 L	50 x 100	4,75	43	80	4,7	53	6
GME 4	34 x 133	4,75	26	87	6,8	70	15
GME 4 L	50 x 100	4,75	43	80	6,5	53	9
GME 5	34 x 133	6,35	25	84	7,6	70	22
GME 6	34 x 133	6,35	23	84	9,5	70	27
GME 7	34 x 133	8,0	22	81	8,9	70	32
GME 7 L	50 x 100	8,0	43	80	8,0	53	18
GME 8	34 x 133	8,0	20	81	10,3	70	38
GME 9	24 x 133	9,5	19	78	9,5	70	41
GME 9 L	50 x 100	9,5	43	80	9,5	53	25



A - Abertura externa da malha;
 A1 - Abertura interna da malha;
 B - Comprimento externo da malha;
 B1 - Comprimento interno da malha;

C - Cordão da malha;
 E - Espessura do material;
 SC - Disposição transversal;
 SL - Disposição longitudinal.



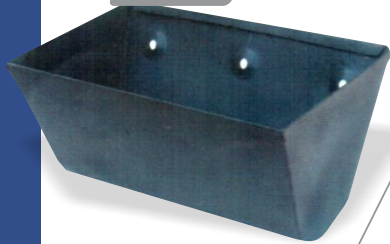
CAÇAMBAS

CAÇAMBAS PARA ELEVADORES DE GRÃOS

POSSUÍMOS UMA COMPLETA LINHA DE CAÇAMBAS PARA ELEVADORES DE GRÃOS, PRODUZIDAS EM TERMOPLÁSTICO (MODELOS 02, 03, 04 E 05) OU EM METAL (MODELO 01).

MODELO 01

CAÇAMBA EM METAL SOLDADA



MODELO 02



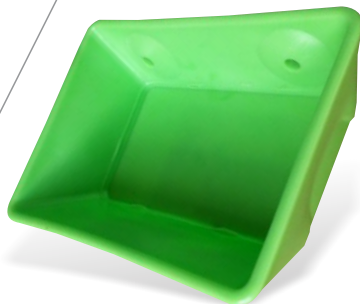
MODELO 03



MODELO 04

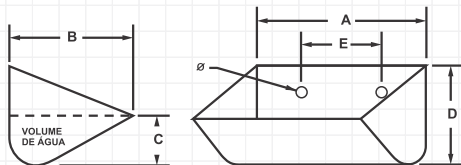


MODELO 05



MEDIDAS DAS CAÇAMBAS

- A - largura
- B - profundidade
- C e D - altura
- Ø - furo
- E - furação



ROLETES

ROLOS DE CARGA



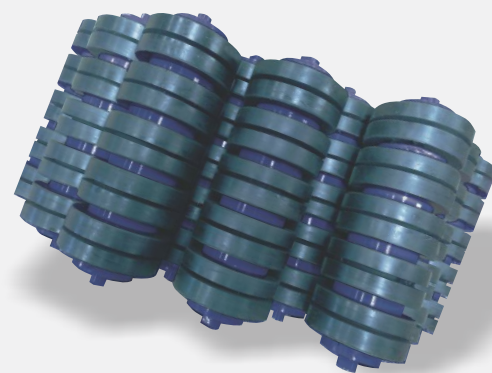
ROLOS DE RETORNO



ROLO TRACIONADO



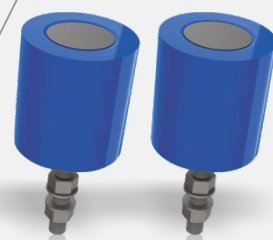
ROLOS DE IMPACTO



ROLETE CATENÁRIO



ROLO GUIA

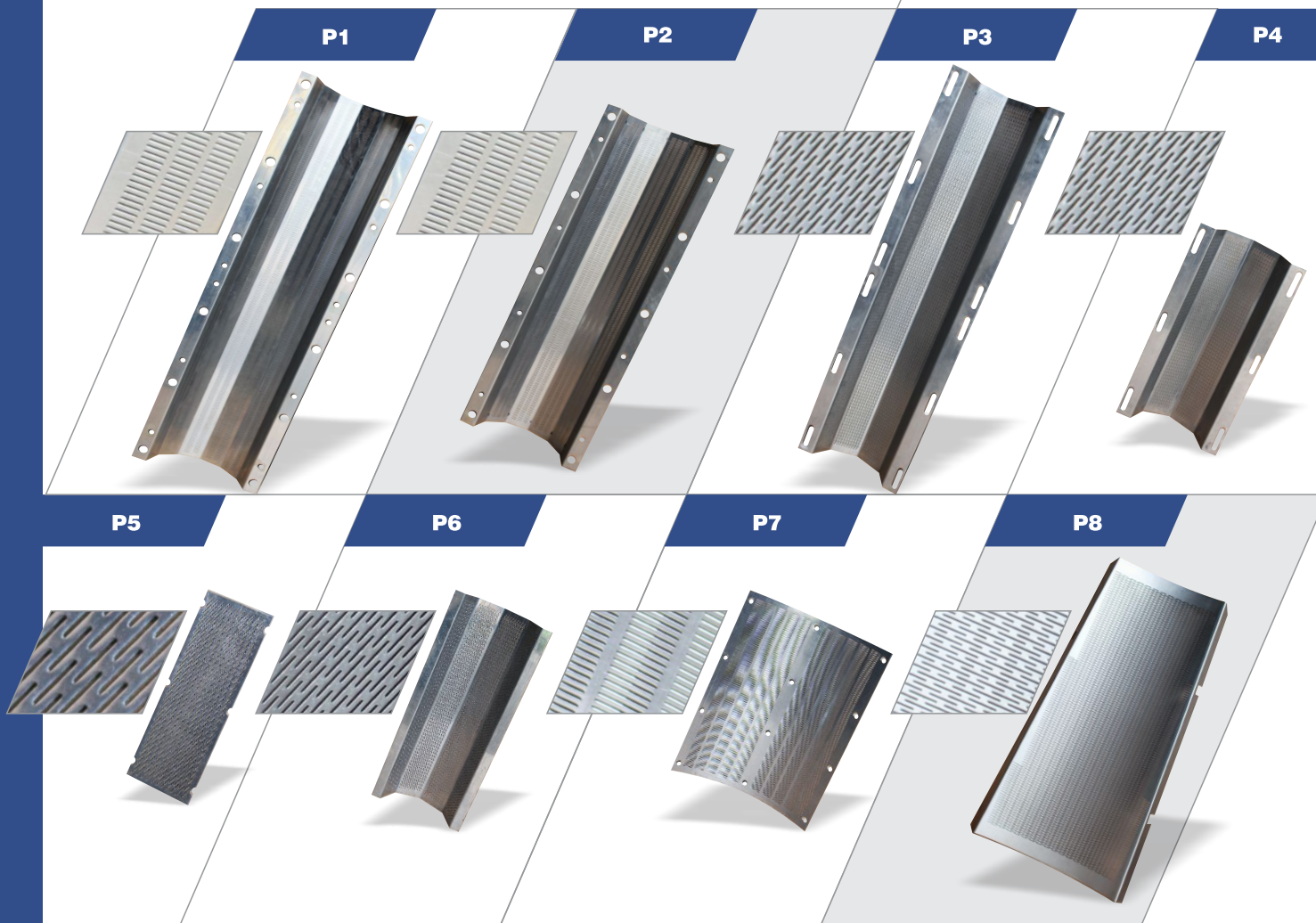




PENEIRAS



CONHEÇA NOSSA MAIS COMPLETA LINHA DE CHAPAS PERFORADAS E PENEIRAS PARA MÁQUINAS E EQUIPAMENTOS INDUSTRIAIS.



OS PRODUTOS DESTA CATÁLOGO PODEM SER UTILIZADOS EM SETORES DE ATIVIDADES COMO:

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- ALIMENTÍCIO
- AUTOMOBILÍSTICO
- AVIAÇÃO
- ELETRO-ELETRÔNICOS
- BEBIDAS
- CIMENTO
- CONSTRUÇÃO CIVIL - DECORAÇÃO
- CURTUMES
- FARMACÊUTICO - PERFUMARIA
- FERTILIZANTES
- FRIGORÍFICOS - ABATEDOUROS
- FUMO
- MINERAÇÃO
- NAVAL
- ÓLEOS VEGETAIS
- PAPEL E CELULOSE
- PLÁSTICO E BORRACHAS
- QUÍMICO E PETROQUÍMICO
- SIDERÚRGICO
- TRATAMENTO DE ÁGUA - ESGOTOS



J. BECKER INDÚSTRIA E COMÉRCIO LTDA.

Rua X1, 1911, Colina - Guaíba/RS/Brasil. CEP: 92500-000

(55) (51) 3491.4100 | 9968.8707

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