Type	M Material	S Surface Treatment
PMS	SPCC	Nickel Plating
PMU	SUS304	-
PMAL	A1100	-
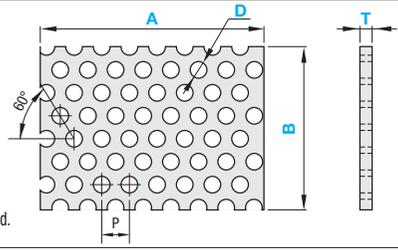
RoHS

A≥B Positions of perforations and cut surface cannot be specified.

Part Number Type	D	A (1mm Increment)	B	T Selection PMS	T Selection PMU	T Selection PMAL	P	Perforated Rate (%)
PMS / PMU	1	50~700	50~700	0.5 0.8	0.5 0.8	-	2	22.6
	2			0.5 0.8 1.0	1.0	-	3	40.2
	3						5	32.6
	4			1.0 1.2 1.6	1.0 1.2 1.5	-	7	29.6
	5						8	35.4
	*8			-	1.5	-	13	34.3
PMAL	3	100~700	100~700	-	-	1.0 2.0	5	32.6
	5						8	35.4
	9						15	32.6

PMS8 is not available. (PMU8 is selectable.)

Ordering Example: Part Number - A - B - T → PMS4 - 480 - 420 - 1.2

PMS (1mm Increment)

A	B	D1 T=0.5	D1 T=0.8	D2 T=0.5	D2 T=0.8	D2 T=1.0	D3 T=1.0	D3 T=1.2	D3 T=1.6	D4 T=1.0	D4 T=1.2	D4 T=1.6	D5 T=1.0	D5 T=1.2	D5 T=1.6
50~100	50~100														
101~200	50~100														
	101~200														
201~300	50~100														
	101~200														
	201~300														
301~500	50~100														
	101~200														
	201~300														
	301~400														
	401~500														
501~700	50~100														
	101~200														
	201~300														
	301~400														
	401~500														
	501~700														

PMU (1mm Increment)

A	B	D1 T=0.5	D1 T=0.8	D2 T=1.0	D3 T=1.0	D3 T=1.2	D3 T=1.5	D4 T=1.0	D4 T=1.2	D4 T=1.5	D5 T=1.0	D5 T=1.2	D5 T=1.5	D8 T=1.5
50~100	50~100													
101~200	50~100													
	101~200													
201~300	50~100													
	101~200													
	201~300													
301~500	50~100													
	101~200													
	201~300													
	301~400													
	401~500													
501~700	50~100													
	101~200													
	201~300													
	301~400													
	401~500													
	501~700													

PMAL (1mm Increment)

A	B	D3 T=1.0	D3 T=2.0	D5 T=1.0	D5 T=2.0	D9 T=1.0	D9 T=2.0
100~200	100~200						
201~300	100~200						
	201~300						
301~500	100~200						
	201~300						
	301~400						
	401~500						
501~700	100~200						
	201~300						
	301~400						
	401~500						
	501~700						

Alterations

Part Number - A - B - T - (XC, XWC, XAC, XBC)
PMS1 - 100 - 80 - 0.8 - XC4.5 - F50 - G40

Alteration is applicable to D1 and D2 only.

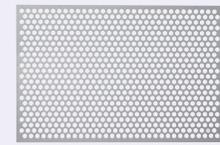| Alterations	Code	Spec.
4 Mounting Holes * Adds 4 mounting holes.	XC	XC, XWC = Hole Dia. Selection, F, G =1mm Increment. Ordering Code: XC4.5-F50-G40, XWC5.5-F35-G35. Hole Dia. Selection Table
8 Mounting Holes * Adds 8 mounting holes.	XWC	XC / XWC: 4.5 5.5 6.5 9. XC+6≤F≤A-XC-6, XC+6≤G≤B-XC-6, XWC+6≤F≤A/2-XWC/2-3, XWC+6≤G≤B/2-XWC/2-3

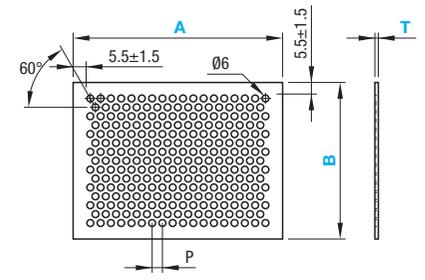| Alterations	Code	Spec.
6 Mounting Holes * Adds 6 mounting holes in the A dimension direction.	XAC	XAC, XBC= Hole Dia. Selection, F, G =1mm Increment. Ordering Code: XAC4.5-F76-G55, XBC5.5-F90-G45. Hole Dia. Selection Table
6 Mounting Holes * Adds 6 mounting holes in the B dimension direction.	XBC	XAC / XBC: 4.5 5.5 6.5 9. XAC+6≤F≤A/2-XAC/2-3, XAC+6≤G≤B-XAC-6, XBC+6≤F≤A-XBC-6, XBC+6≤G≤B/2-XBC/2-3

Fixed Dimension Perforated Metal Sheets

Type	M Material	S Surface Treatment
PMST	A5052	-
PMUT	SUS304	-

RoHS

Dimensions: A, 5.5±1.5, Ø6, 5.5±1.5, T, 60°, P, B

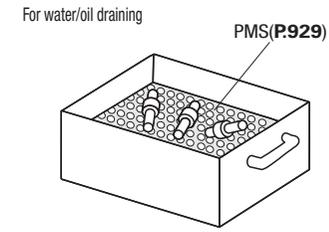| Part Number Type	A (Selection)	B	T	Unit Price	P	Perforated Rate (%)
PMST	200	300	0.3		9	40.3
PMST	300	400	0.3			
PMUT	200	300	0.6			
PMUT	300	400	0.6			

Ordering Example: Part Number - A - B - T → PMUT - 200 - 300 - 0.6

Alterations

Part Number - A - B - T - (XC, XWC, XAC, XBC)
PMUT - 200 - 300 - 0.6 - XC6.5 - F180 - G280

Alterations	Code	Spec.
4 Mounting Holes * Adds 4 mounting holes.	XC	XC, XWC = Hole Dia. Selection, F, G =1mm Increment. Ordering Code: XC4.5-F50-G40, XWC5.5-F35-G35. Hole Dia. Selection Table
8 Mounting Holes * Adds 8 mounting holes.	XWC	XC / XWC: 4.5 5.5 6.5. XC+6≤F≤A-XC-6, XC+6≤G≤B-XC-6, XWC+6≤F≤A/2-XWC/2-3, XWC+6≤G≤B/2-XWC/2-3

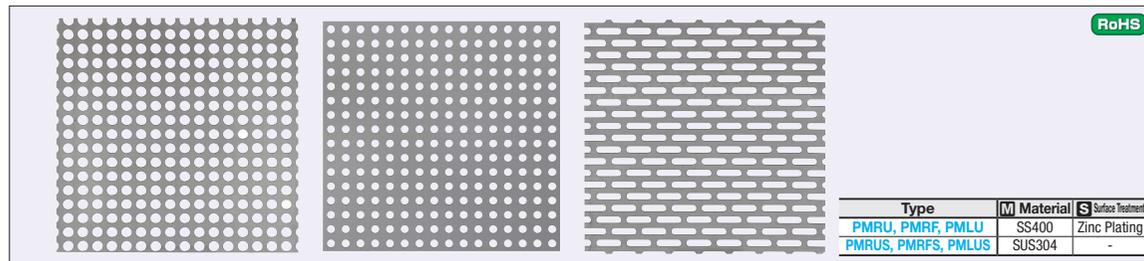| Alterations	Code	Spec.
6 Mounting Holes * Adds 6 mounting holes in the A dimension direction.	XAC	XAC, XBC= Hole Dia. Selection, F, G =1mm Increment. Ordering Code: XAC4.5-F76-G55, XBC5.5-F90-G45. Hole Dia. Selection Table
6 Mounting Holes * Adds 6 mounting holes in the B dimension direction.	XBC	XAC / XBC: 4.5 5.5 6.5. XAC+6≤F≤A/2-XAC/2-3, XAC+6≤G≤B-XAC-6, XBC+6≤F≤A-XBC-6, XBC+6≤G≤B/2-XBC/2-3

Example

For water/oil draining

PMS(P.929)

Left Page

RoHS

Type	M Material	S Surface Treatment
PMRU, PMRF, PMLU	SS400	Zinc Plating
PMRUS, PMRFS, PMLUS	SUS304	-

<Parallel Round Holes, 1mm Increment >
PMRU PMRUS

<Parallel Round Holes, 10mm Increment>
PMRF PMRFS

<Slots>
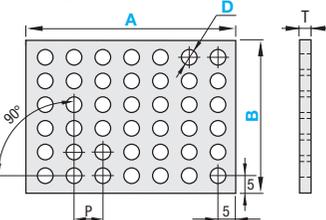**PMLU PMLUS**

A, B Configurable: 1mm Increment
Cut edges may interrupt the perforations, as shown above.
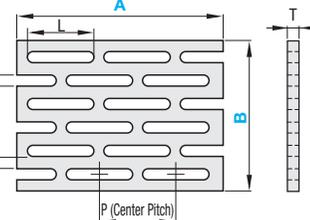(Cut location cannot be specified.)

A, B Configurable: 10mm Increment
As above drawing shows, no hole is interfered by cut edges.

A≥B

Part Number		Configurable 1mm Unit		T	P	L	Perforated Rate %
Type	D	A	B				
PMRU PMRUS	5	100~500	100~500	1.0	8	-	30.7
	8				12	-	34.9
	10				15	-	34.9
PMLU PMLUS	5			1.0	25	20	47.1

Part Number		Configurable 10mm Unit		T	P	Perforated Rate %
Type	D	A	B			
PMRF PMRFS	5	100~500	100~500	1.0	10	19.6

Ordering Example
Part Number	-	A	-	B
PMLU5 - 480 - 420

Configurable 1mm Unit		PMRU			PMRUS			PMLU	PMLUS
A	B	D=5	D=8	D=10	D=5	D=8	D=10	D=5	D=5
100~200	100~200								
201~300	100~200								
	201~300								
301~500	100~200								
	201~300								
	301~400								
	401~500								

Configurable 10mm Unit		PMRF	PMRFS
A	B	D=5	D=5
100~200	100~200		
210~300	100~200		
	210~300		
310~500	100~200		
	210~300		
	310~400		
	410~500		

ex. Example
HNTP6-4
HFS6-3030
PMRF5
CBM4-8
PWF4
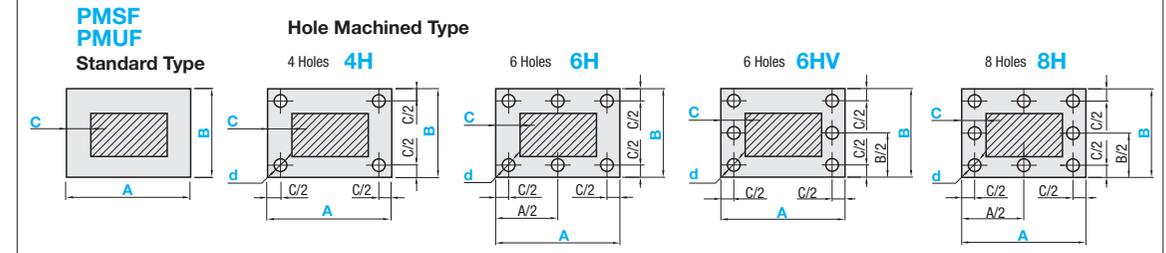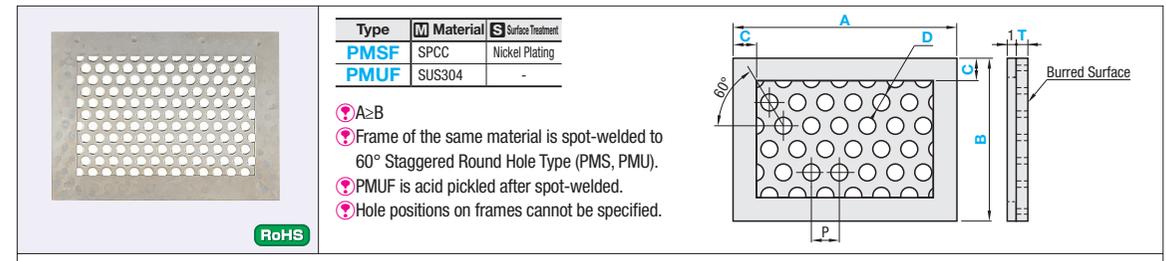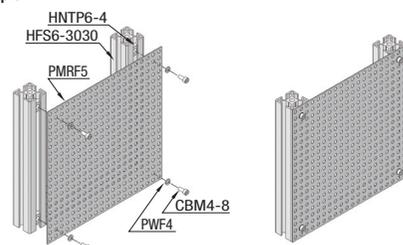
Right Page

Type	M Material	S Surface Treatment
PMSF	SPCC	Nickel Plating
PMUF	SUS304	-

A≥B
Frame of the same material is spot-welded to 60° Staggered Round Hole Type (PMS, PMU).
PMUF is acid pickled after spot-welded.
Hole positions on frames cannot be specified.

Burred Surface

RoHS

PMSF PMUF

Hole Machined Type

Standard Type   4 Holes **4H**   6 Holes **6H**   6 Holes **6HV**   8 Holes **8H**

■ Standard Type

Part Number		1mm Increment		T Selection					C Selection	P	Perforated Rate %
Type	D	A	B	PMSF			PMUF				
PMSF PMUF	1	50~500	50~500	0.5	0.8		0.5	0.8	10 15 20	2	22.6
	2			0.5	0.8	1.0	1.0			3	40.2
	3									5	32.6
	4			1.0	1.2	1.6	1.0	1.2	1.5	7	29.6
	5									8	35.4

■ Hole Machined Type

Part Number		1mm Increment		T Selection					C Selection	d Selection	P	Perforated Rate %
Type	Nominal	D	A	B	PMSF			PMUF					
PMSF PMUF	4H 6H 6HV 8H	1	50~500	50~500	0.5	0.8	0.5	0.8	10 15 20	4.5 5.5 6.5 9	2	22.6
		2			0.5	0.8 1.0	1.0				3	40.2
		3									5	32.6
		4			1.0 1.2 1.6		1.0 1.2 1.5				7	29.6
		5									8	35.4

d6.5 and 9 are not available for C=10.

Ordering Example
Part Number	-	A	-	B	-	T	-	C	-	d
PMSF4 - 480 - 420 - 1.2 - 20
PMSF4H3 - 480 - 420 - 1.2 - 20 - 6.5

■ Standard Type Unit Price

Type	1mm Increment		D1		D2		D3			D4			D5		
	A	B	T=0.5	T=0.8	T=0.5	T=0.8	T=1.0	T=1.0	T=1.2	T=1.6	T=1.0	T=1.2	T=1.6	T=1.0	T=1.2	T=1.6
PMSF	50~200	50~200														
	201~300	50~200														
		201~300														
	301~500	50~200														
		201~300														
		301~400														
		401~500														

Type	1mm Increment		D1		D2		D3			D4			D5		
	A	B	T=0.5	T=0.8	T=1.0	T=1.0	T=1.2	T=1.5	T=1.0	T=1.2	T=1.5	T=1.0	T=1.2	T=1.5	
PMUF	50~200	50~200													
	201~300	50~200													
		201~300													
	301~500	50~200													
		201~300													
		301~400													
		401~500													

■ Hole Machining Charge

The price of Hole Machined Type is found by adding the Standard Type unit price to the hole machining charge.

Hole Type	Hole Machining Charge d (Through Hole)
4H	
6H	
6HV	
8H	

(Ex.)
Part Number	-	A	-	B	-	T	-	C	-	d
PMSF4H3 - 480 - 420 - 1.2 - 20 - 6.5 >>

(Standard Type Unit Price) + (Hole Machining Charge) = Hole Type Price

Standard Circular / Framed Circular

RoHS

Type		M Material	S Surface Treatment
Standard Type	Framed Type		
PMC	PMCF	SPCC	Nickel Plating
PMCU	PMCUF	SUS304	-

PMC, PMCU
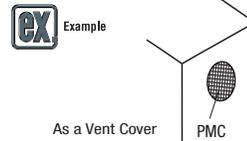⚲ Positions of perforations and cut surface cannot be specified.

PMCF, PMCUF
⚲ Frame of the same material is spot-welded to Standard Type (PMC, PMCU).
⚲ PMCUF is acid pickled after spot-welded.
⚲ Hole positions on frames cannot be specified.

Part Number		1mm Increment	T Selection			C Selection	P	Perforated Rate %
Type	D	A	PMC, PMCF		PMCU, PMCUF	PMCF, PMCUF		
Standard Type	1	(Standard Type) 30~300 (Framed Type) 50~300	0.5 0.8		0.5 0.8	10 15 20	2	22.6
Framed Type	2		0.5 0.8 1.0		1.0		3	40.2
PMC	3						5	32.6
PMCF	4		1.0 1.2 1.6		1.0 1.2 1.5		7	29.6
PMCU PMCUF	5						8	35.4

Ordering Example
Part Number - A - T - C
PMC4 - 280 - 1.0
PMCF4 - 200 - 1.2 - 10

ex Example

As a Vent Cover PMC

A	PMC															PMCU									
	D1		D2		D3			D4			D5			D1		D2		D3			D4			D5	
	T0.5	T0.8	T0.5	T0.8	T1.0	T1.0	T1.2	T1.6	T1.0	T1.2	T1.6	T1.0	T1.2	T1.6	T0.5	T0.8	T1.0	T1.0	T1.2	T1.5	T1.0	T1.2	T1.5	T1.0	T1.2	T1.5
30~100																										
101~200																										
201~300																										

A	PMCF															PMCUF									
	D1		D2		D3			D4			D5			D1		D2		D3			D4			D5	
	T0.5	T0.8	T0.5	T0.8	T1.0	T1.0	T1.2	T1.6	T1.0	T1.2	T1.6	T1.0	T1.2	T1.6	T0.5	T0.8	T1.0	T1.0	T1.2	T1.5	T1.0	T1.2	T1.5	T1.0	T1.2	T1.5
50~100																										
101~200																										
201~300																										

Alterations
Part Number - A - T - C - (XC, XAC, XWC, DRC, NC, NAC, NWC)
PMC1 - 100 - 0.8 - XC9 - Q60
PMCF4 - 200 - 1.2 - 10 - NC4.5

⚲ Alteration XC, XAC and XWC are applicable to sizes D1 and D2 only.

	4, 6 Mounting Holes	8 Mounting Holes	Hole Drilled	4, 6 Mounting Holes	8 Mounting Holes
Alterations	· 4 Mounting Holes: XC · 6 Mounting Holes: XAC		· Standard Type · Framed Type	· 4 Mounting Holes: NC · 6 Mounting Holes: NAC	
Code	XC, XAC	XWC	DRC	NC, NAC	NWC
Spec.	XC, XAC= Hole Dia. Selection Q=1mm Increment Ordering Code XC4.5-Q30 XAC5.5-Q50 ⚲Hole Dia. Selection Table XC / XAC: 4.5 5.5 6.5 9 ⚲XC+10≤Q≤A-XC-6 ⚲XAC+20≤Q≤A-XAC-6 ⚲Applicable to Standard Type only. ⚲XC hole dia. 9 is applicable to A≥50. ⚲XAC is applicable to A≥50.	XWC= Hole Dia. Selection Q=1mm Increment Ordering Code XWC 4.5 5.5 6.5 9 ⚲XWC+20≤Q≤A-XWC-6 ⚲Applicable to Standard Type only. ⚲Applicable when A≥50.	*Adds a center through hole. DRC=1mm Increment Ordering Code DRC40 · Standard Type ⚲20≤DRC≤A-30 ⊗Combination use of XC, XAC, XWC is not possible. · Framed Type ⚲20≤DRC≤A-2C-30 ⚲Applicable when A≥50.	NC, NAC= Hole Dia. Selection Ordering Code NC4.5 NAC6.5 ⚲Hole Dia. Selection Table C / d: 10 4.5 5.5; 15 4.5 5.5 6.5 9; 20 4.5 5.5 6.5 9 ⚲Applicable to Framed Type only.	NWC= Hole Dia. Selection Ordering Code NWC9 C / d: 10 4.5 5.5; 15 4.5 5.5 6.5 9; 20 4.5 5.5 6.5 9 ⚲Applicable to Framed Type only.

L-Shaped / U-Shaped

RoHS

Type		M Material	S Surface Treatment
L-Shaped	U-Shaped		
PMSL	PMSU	SPCC	Nickel Plating
PMUL	PMUU	SUS304	-

⚲ Hole positions on cut surface cannot be specified. The curved section doesn't always have holes.

T	A, B Tolerance	W Tolerance	H Tolerance
0.5	±0.5	±1.0	±0.5
0.8	±0.8	±1.6	±0.8
1.0	±1.0	±2.0	±1.0

PMSL, PMUL   PMSU, PMUU

■L-Shaped

Part Number		1mm Increment			T Selection		P	Perforated Rate %
Type	D	A	B	L	PMSL	PMUL		
PMSL	1	30~200	30~200	30~300	0.5 0.8	0.5 0.8	2	22.6
PMUL	2				0.5 0.8 1.0	1.0	3	40.2

■U-Shaped

Part Number		1mm Increment			T Selection		P	Perforated Rate %
Type	D	W	H	L	PMSU	PMUU		
PMSU	1	60~200	30~100 (H≤W/2)	30~300	0.5 0.8	0.5 0.8	2	22.6
PMUU	2				0.5 0.8 1.0	1.0	3	40.2

Ordering Example
Part Number - A - B - L - T
PMUL2 - 100 - 50 - 200 - 1.0

Part Number - W - H - L - T
PMSU1 - 120 - 60 - 200 - 0.8

■L-Shaped

A	L	PMSL				PMUL		
		D1		D2		D1		D2
		T0.5	T0.8	T0.5	T0.8	T1.0	T0.5	T0.8	T1.0
30~ 50	30~100							
	101~200							
	201~300							
51~100	30~100							
	101~200							
	201~300							
101~150	30~100							
	101~200							
	201~300							
151~200	30~100							
	101~200							
	201~300							

■U-Shaped

W	L	PMSU				PMUU		
		D1		D2		D1		D2
		T0.5	T0.8	T0.5	T0.8	T1.0	T0.5	T0.8	T1.0
60~100	30~100							
	101~200							
	201~300							
101~150	30~100							
	101~200							
	201~300							
151~200	30~100							
	101~200							
	201~300							

Alterations
· L-Shaped
Part Number - A - B - L - T - (XC, XWC, XTC)
PMSL1 - 100 - 70 - 200 - 0.8 - XC4.5-F45-G15

· U-Shaped
Part Number - W - H - L - T - (XWC, XTC)
PMSU2 - 120 - 60 - 85 - 1.0 - XWC4.5-F25-G10

	2 Mounting Holes	4 Mounting Holes	6 Mounting Holes
Alterations		· L-Shaped · U-Shaped	· L-Shaped · U-Shaped
Code	XC	XWC	XTC
Spec.	*Adds 2 mounting holes. XC=Hole Dia. Selection F, G =1mm Increment Ordering Code XC4.5-F45-G15 ⚲Hole Dia. Selection Table XC: 4.5 5.5 6.5 9 ⚲XC+6≤F≤L-XC-6 ⚲XC/2+3≤G≤(A-T)-XC/2-6 ⚲Applicable to L-shape type only.	*Adds 4 mounting holes. XWC= Hole Dia. Selection F, G =1mm Increment Ordering Code XWC4.5-F55-G12 ⚲Hole Dia. Selection Table XWC: 4.5 5.5 6.5 9 ⚲XWC+6≤F≤L-XWC-6 · L-Shaped ⚲XWC+3≤G≤(A(B)-T)-XWC/2-6 · U-Shaped ⚲XWC/2+3≤G≤(H-T)-XWC/2-6	*Adds 6 mounting holes. XTC= Hole Dia. Selection F, G =1mm Increment Ordering Code XTC5.5-F25-G15 ⚲Hole Dia. Selection Table XTC: 4.5 5.5 6.5 9 ⚲XTC+6≤F≤L/2-XTC/2-3 · L-Shaped ⚲XTC+3≤G≤(A(B)-T)-XTC/2-6 · U-Shaped ⚲XTC/2+3≤G≤(H-T)-XTC/2-6

⚲ Due to the bending is performed after the holes are machined, the holes ① and ② might not be in the same position.