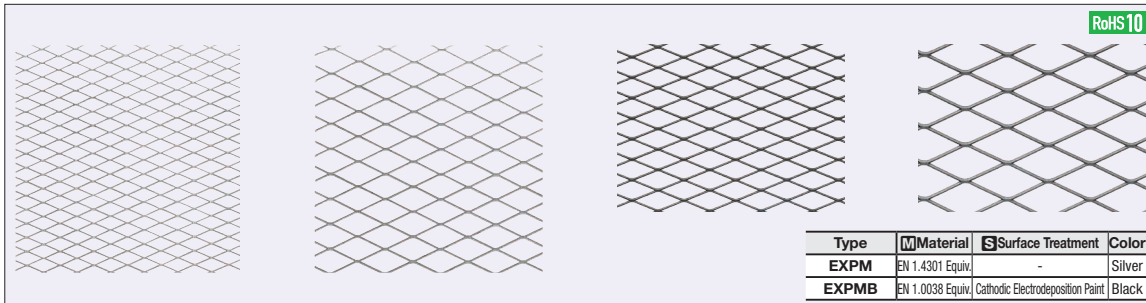


# Expanded Metal Mesh

Unframed / Framed

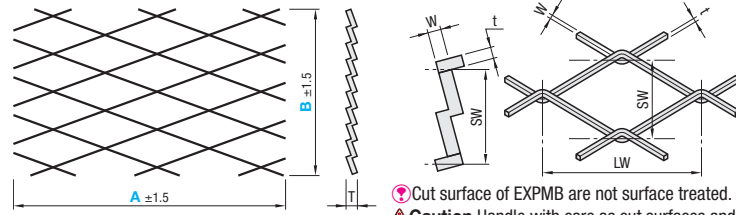


RoHS 10

Type	Material	Surface Treatment	Color
EXPM	EN 1.4301 Equiv.	-	Silver
EXPMB	EN 1.0038 Equiv.	Cathodic Electrodeposition Paint	Black

## Unframed Type

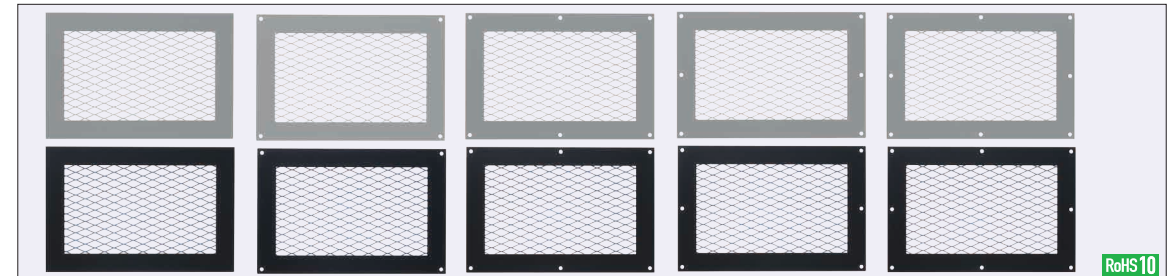
**EXPM**  
**EXPMB** (Cathodic Electrodeposition, Black)



⚠ Cut surface of EXPMB are not surface treated.  
⚠ Caution Handle with care as cut surfaces and framework inside surfaces are sharp.

Part Number Type	No.	1mm Increment		T	SW	LW	W	t	Mass kg/m <sup>2</sup>
		A	B						
EXPM	31	100-1200	100-1000	3.5	12	30.5	1.5	1.2	2.36
EXPMB	42			5.3	22	50.8	2.5	2.3	4.1

Ordering Example  
Part Number - A - B  
EXPMB31 - A325 - B255

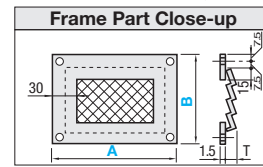
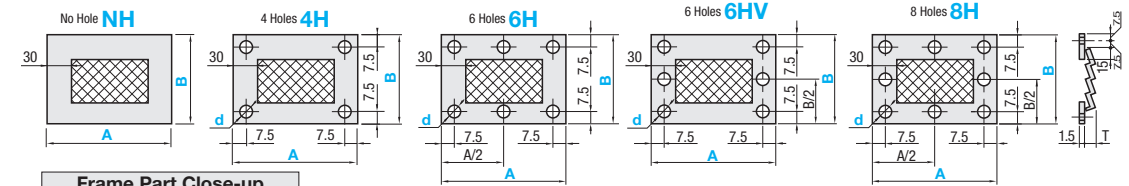


RoHS 10

## Framed Type

⚠ Frames spot-welded with EXPM.

**EXPMF**  
**EXPMFB** (Cathodic Electrodeposition, Black)



Type	Material	Surface Treatment	Color
EXPMF	EN 1.4301 Equiv.	-	Silver
EXPMFB	EN 1.0038 Equiv.	Cathodic Electrodeposition Paint	Black

⚠ A ≥ B  
⚠ Positional relationship between frame and expanded metal mesh is random.  
⚠ There are 2 welded portions on the frame and some grinding marks remain.  
⚠ Caution Handle with care as cut surfaces and framework inside surfaces are sharp.

Part Number Type	Nominal	No.	1mm Increment		d Selection	T
			A	B		
EXPMF	NH	31	100-700	100-700	4.5	3.5
EXPMFB	4H	42			5.5	
	6H				6.5	
	6HV				9	
	8H					5.3

Ordering Example  
Part Number - A - B - d  
EXPMF4H31 - A600 - B400 - 5.5

## Unit Price of Unframed Type

Part Number Type	No.	A	Unit Price B										
			B										
			100-200	201-300	301-400	401-500	501-600	601-700	701-800	801-900	901-1000		
EXPM	31	100-200											
		201-300											
		301-400											
		401-500											
		501-600											
		601-700											
	42	701-800											
		801-900											
		901-1000											
		1001-1100											
		1101-1200											
EXPMB	31	100-200											
		201-300											
		301-400											
		401-500											
		501-600											
		601-700											
	42	701-800											
		801-900											
		901-1000											
		1001-1100											
		1101-1200											

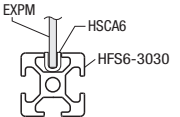
## Framed Type Unit Price

Part Number Type	Nominal	No.	A	Unit Price B							
				B							
				100-200	201-300	301-400	401-500	501-600	601-700		
EXPMF	31	NH	100-200								
			201-300								
			301-400								
			401-500								
			501-600								
			601-700								
	42	4H	100-200								
			201-300								
			301-400								
			401-500								
			501-600								
			601-700								
EXPMFB	31	6H	100-200								
			201-300								
			301-400								
			401-500								
			501-600								
			601-700								
	42	8H	100-200								
			201-300								
			301-400								
			401-500								
			501-600								
			601-700								

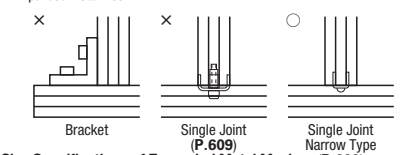
Hole Machining Charge of Framed Type  
Price of Framed Type = Standard Type Unit Price + Hole Machining Charge  
(Ex.) Part Number - A - B - d  
EXPMF4H31 - A600 - B400 - 5.5 >>>  
(Standard Type Unit Price) + (Hole Machining Charge) = Hole Type Price

## Installation of Unframed Expanded Metal Mesh

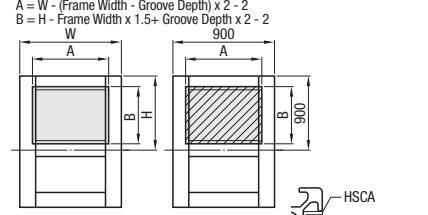
**Putting into Aluminum Frame Grooves**  
When putting expanded metal mesh into aluminum frame grooves, insert the slot cover (HSCA on P.773) into the aluminum frame as shown on the right-hand drawing to make it serve as a holder.



**Connection of Aluminum Frames**  
When forming a frame with aluminum frames, use Single Joint Kit Narrow Type for Blind Joint on each frame connection (P.609). Brackets and single/double joint for blind joint may become obstacles upon installation of slot covers and Expanded Metal Mesh.



**Size Specifications of Expanded Metal Mesh (P.609)**  
When putting expanded metal mesh into grooves in aluminum frames with outer dimension WxH as shown on the drawing below, the dimension AxB of the expanded metal mesh can be calculated by the following equation.



Ex.) When outer dimension is W(900)xH(900)  
• For Slot Width 8, 30 Square Type:  
A=900-(30-8)x2-2=854  
B=900-30x1.5+8x2-2=869  
• For Slot Width 10, 40 Square Type:  
A=900-(40-11.5)x2-2=841  
B=900-40x1.5+11.5x2-2=861  
• For Slot Width 10, 45 Square Type:  
A=900-(45-12)x2-2=832  
B=900-45x1.5+11.5x2-2=853.  
≈853

Series	t
30	8
40	11.5
45	12