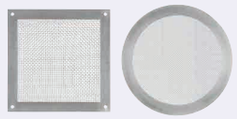
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Mesh

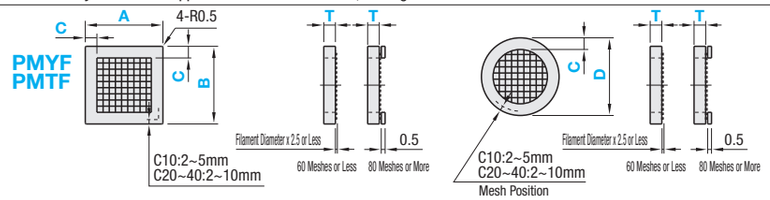
With Frame / Cut to Size

■Stainless Steel Mesh is available for various factory automation applications such as filtration, sieving and air filtration.

■Mesh with Frame



RoHS10



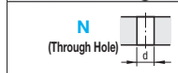
Type	Material	
	Main Body	Mesh
PMYF	SUS304	PMY(SUS304)P.506
PMTF	SUS316	PMT(SUS316)P.506

For mesh over 80, the mesh will be sandwitched between the main body and a 0.5mm thick frame made of the same material as the main body, and spot welded together.
Deflection may occur since the mesh shrinks due to spot welding.

T Dimension Tolerance of A , B, C and D

Type	Tolerance
Square	±0.3
Round	

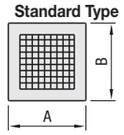
Hole Machining Details



Screw Nominal Dia.	3	4	5	6	8
d	3.5	4.5	5.5	6.5	9

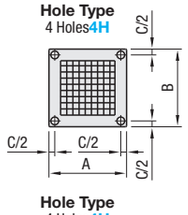
■Square

Standard Type

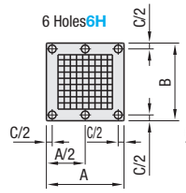


Hole Type

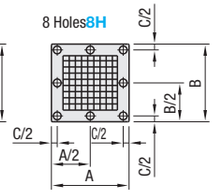
4 Holes4H



6 Holes6H

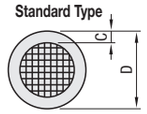


8 Holes8H



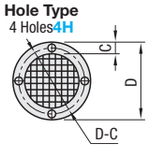
■Round

Standard Type

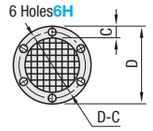


Hole Type

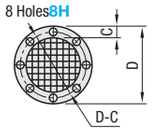
4 Holes4H



6 Holes6H



8 Holes8H



Part Number			Mesh Standards			Shape	Square / Round 10mm Increment			C Selection (mm)	T Selection (mm)	Hole Type	
Type	Number of Meshes in 1 inch (25.4mm) square	Symbol	Sieve Mesh Size a (mm)	Wire Dia. b (mm)	Opening Ratio (%)		A	B	D			Number of Holes	Nominal Dia. N (Through Hole)
PMYF (SUS304)	16	X	1.30	0.29	66.9	K (Square) M (Round)	50~500 A≥B	50~500	50~500	10 (A, D≤100) 20 (110≤A, D≤300) 30 40 (110≤A, D≤500)	1 2 3	4H 6H 8H	3 4 5 6 8
		Y	1.02	0.57	41.2								
	18	X	1.07	0.34	57.6								
		Y	0.91	0.5	41.7								
	30	X	0.60	0.25	49.8								
		Y	0.56	0.29	43.4								
	40	X	0.46	0.18	51.7								
	60	X	0.28	0.14	44.4								
	80	X	0.20	0.12	39.1								
	100	X	0.15	0.1	36.0								
	120	X	0.13	0.08	38.3								
PMTF (SUS316)	16	X	1.30	0.29	66.9								
	100	X	0.15	0.1	36.0								
	150	X	0.11	0.06	41.9								
	200	X	0.08	0.05	37.9								

Hole Drilling Limit: C-d≥6

Ordering Example

Ordering Examples and Price Calculation Method

■Standard Type

The price of Standard Type (Mesh with Frame) is found by adding the Mesh Unit Price (next page) to the Frame Unit Price.

(Ex.) Square: Part Number [Type][Mesh Count][Symbol] - Shape - A - B - C - T >>
PMYF 16 X - K - 100 - 100 - C10 - T1

(Frame Unit Price) + (Mesh Unit Price) = Standard Type Unit Price

(Ex.) Round: Part Number [Type][Mesh Count][Symbol] - Shape - D - C - T >>
PMTF 100 X - M - 300 - C30 - T2

(Frame Unit Price) + (Mesh Unit Price) = Standard Type Unit Price

■Hole Type

The price of Hole Type is found by adding the Hole Machining Charge to the Standard Type Unit Price.

(Ex.) Part Number [Type][Mesh Count][Symbol] - Shape - A - B - C - T - Number of Holes - N >>
PMYF 30 X - K - 400 - 400 - C30 - T2 - 4H - N8

(Frame Unit Price) + (Mesh Unit Price) + (Hole Machining Charge) = Hole Type Unit Price

■Hole Selection

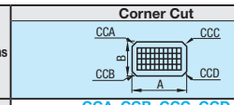
Hole Type	Hole Machining Charge N (Through Hole)
4H	
6H	
8H	

■(Frame Unit Price)

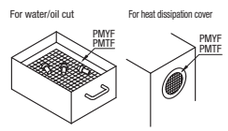
Part Number Type	T	A	Unit Price B, D (Square, Round) 50~100	110~200	210~300	310~400	410~500
PMYF (SUS304)	1	50~100		-	-	-	-
		110~200					
		210~300					
		310~400					
		410~500					
	2	50~100		-	-	-	-
		110~200					
		210~300					
		310~400					
		410~500					
	3	50~100		-	-	-	-
		110~200					
		210~300					
		310~400					
		410~500					

Part Number Type	T	A	Unit Price B, D (Square, Round) 50~100	110~200	210~300	310~400	410~500
PMTF (SUS316)	1	50~100		-	-	-	-
		110~200					
		210~300					
		310~400					
		410~500					
	2	50~100		-	-	-	-
		110~200					
		210~300					
		310~400					
		410~500					
	3	50~100		-	-	-	-
		110~200					
		210~300					
		310~400					
		410~500					

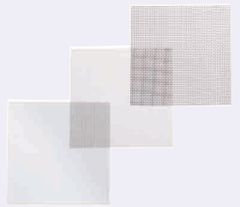
Part Number [Type][Mesh Count][Symbol] - Shape - A - B - D - C - T - CCA, etc
PMYF 30 Y - K - 400 - 400 - C30 - T3 - CCA

Alterations	Corner Cut
	
Code	CCA, CCB, CCC, CCD
Spec.	Any corner can be cut. When C=10, 20 or 30, 10 ≤ Corner Cut ≤ C When C=40, 10≤ Corner Cut ≤50 10mm Increment (Ex.) When A and D are cut with C10→CCA10-CCD10 Applicable to Standard Type only.

Example

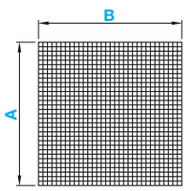


■Mesh - Cut to Size

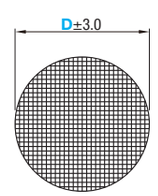


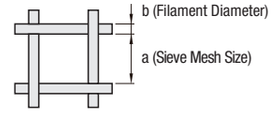
RoHS10

■Square



■Round





A≥B
Orientation of cut surface and mesh opening position will be random.

Type	Material
	Main Body
PMY	SUS304
PMT	SUS316

T Dimension Tolerance of A , B and D

Type	Dimension	Tolerance
Square	20~200	±1.0
	210~500	±1.5
	510~1000	±2.0
Round	20~500	±3.0

Part Number			Mesh Standards			Shape	Square 10mm Increment A	Square 10mm Increment B	Round D
Type	Number of Meshes in 1 inch (25.4mm) square	Symbol	Sieve Mesh Size a (mm)	Wire Dia. b (mm)	Opening Ratio (%)				
PMY (SUS304)	16	X	1.30	0.29	66.9	K (Square) M (Round)	20~1000 A≥B	20~1000	20~500
		Y	1.02	0.57	41.2				
	18	X	1.07	0.34	57.6				
		Y	0.91	0.5	41.7				
	30	X	0.60	0.25	49.8				
		Y	0.56	0.29	43.4				
	40	X	0.46	0.18	51.7				
	60	X	0.28	0.14	44.4				
	80	X	0.20	0.12	39.1				
	100	X	0.15	0.1	36.0				
	120	X	0.13	0.08	38.3				
PMT (SUS316)	16	X	1.30	0.29	66.9				
	100	X	0.15	0.1	36.0				
	150	X	0.11	0.06	41.9				
	200	X	0.08	0.05	37.9				

Ordering Example

Part Number [Type][Mesh Count][Symbol] - Shape - A - B - D
PMY 16 Y - K - 150 - 100
PMT 100 X - M - 250

■Mesh Unit Price

Part Number	A	Unit Price B (Square) 20~100	110~200	210~400	410~600	610~1000
PMY16X (SUS304)	20~100		-	-	-	-
	110~200					
	210~400					
	410~600					
	610~1000					
		Unit Price D (Round)				
	-	20~100	110~150	160~250	260~350	360~500
	-					

Part Number	A	Unit Price B (Square) 20~100	110~200	210~400	410~600	610~1000
PMY16Y PMY18Y (SUS304) PMT100X PMT150X PMT200X (SUS316)	20~100		-	-	-	-
	110~200					
	210~400					
	410~600					
	610~1000					
		Unit Price D (Round)				
	-	20~100	110~150	160~250	260~350	360~500
	-					

Part Number	A	Unit Price B (Square) 20~100	110~200	210~400	410~600	610~1000
PMY18X PMY30X PMY40X PMY60X PMY80X PMY100X (SUS304)	20~100		-	-	-	-
	110~200					
	210~400					
	410~600					
	610~1000					
		Unit Price D (Round)				
	-	20~100	110~150	160~250	260~350	360~500
	-					

Part Number	A	Unit Price B (Square) 20~100	110~200	210~400	410~600	610~1000
PMY30Y PMY120X (SUS304) PMT16X (SUS316)	20~100		-	-	-	-
	110~200					
	210~400					
	410~600					
	610~1000					
		Unit Price D (Round)				
	-	20~100	110~150	160~250	260~350	360~500
	-					

■Mesh Standards

■Mesh Standards

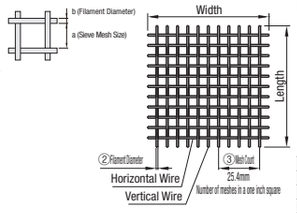
①Sieve Mesh Size
The gap between wires.

②Filament Diameter
Wire diameter. Sieve mesh size and number of meshes vary depending on the wire diameter.

③Mesh Count
Number of meshes in a one inch square (25.4mm).

④Opening Ratio
The ratio of opening area to the entire mesh.

Opening Ratio = (Sieve Mesh Size / Pitch between Wires)² x 100
* 25.4mm / Number of Meshes = Pitch between Wires



■Mesh Roughness Overview

Mesh Count	16	30	40	100
Sieve Mesh Size (mm)	1.30	0.56	0.46	0.15
Wire Dia. (mm)	0.29	0.29	0.18	0.1
Opening Ratio (%)	66.9	43.4	51.7	36.0