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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 RoHS 10

Type	Main Body	Mesh
PMYF	304 Stainless Steel	PMY(304 Stainless Steel) P486
PMTF	316 Stainless Steel	PMT(316 Stainless Steel) P486

Dimension Tolerance of A, B, C and D

Type	Tolerance
Rectangular	±0.3
Round	

Hole Machining Details

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

Wire Dia. x2.5 or Less
C10: 2~5mm
C20: 40: 2~10mm

60 Mesh or Less
80 Mesh or More

For mesh over 80, the mesh will be sandwiched 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.

Square Standard Type

Hole Type

- 4 Holes-4H
- 6 Holes-6H
- 8 Holes-8H

Round Standard Type

Hole Type

- 4 Holes-4H
- 6 Holes-6H
- 8 Holes-8H

Part Number	Type	Number of Mesh in 1 inch (25.4mm) square	Symbol	Mesh Standards			Shape	Rectangular 10mm Increment			C (mm)	T (mm)	Hole Type	Nominal Dia. N (Through Hole)
				Sieve Mesh Size a (mm)	Wire Dia. b (mm)	Opening Ratio (%)		A	B	D				
PMYF (304 Stainless Steel)	K (Square)	16	X	1.30	0.29	66.9	50~500 A≥B	50~500	50~500	10	1	4H	3	
		18	Y	1.02	0.57	41.2								
		30	X	0.60	0.25	49.8								
		40	Y	0.56	0.29	43.4								
		60	X	0.28	0.14	44.4								
		80	X	0.20	0.12	39.1								
PMTF (316 Stainless Steel)	M (Round)	100	X	0.15	0.1	36.0	50~500	50~500	20	3	8H	8		
		120	X	0.13	0.08	38.3								
		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 **Standard Type** **Hole Type**

Hole Selection

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

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Price [Configure Online](#)

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 (304 Stainless Steel)	1	1	50-100					
			110-200					
			210-300					
	2	2	50-100					
			110-200					
			210-300					
3	3	50-100						
		110-200						
		210-300						

Part Number	Type	T	A	Unit Price				
				B, D (Square, Round)				
				50-100	110-200	210-300	310-400	410-500
PMTF (316 Stainless Steel)	1	1	50-100					
			110-200					
			210-300					
	2	2	50-100					
			110-200					
			210-300					
3	3	50-100						
		110-200						
		210-300						

Ordering Example **Part Number** **Mesh Count** **Symbol** **Shape** **A** **B** **D** **C** **T** **CCA**, etc.

PMYF 30 Y - K - 400 - 400 - C10 - T3 - CCA

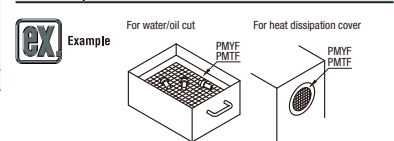
Corner Cut

Alterations: CCA, CCB, CCC, CCD

Code: CCA, CCB, CCC, CCD

Spec. Any corner can be cut. When C=10, 20 and 30, 10≤ Corner Cut ≤ C. When C=40, 10≤ Corner Cut ≤ 50. 10mm Increment. (Ex.) When A and D are to be cut at C10 → CCA10-CCD10. *Applicable to Standard Type only.

Price Adder



Mesh - Cut to Size RoHS 10

Square

A, B

Round

D ± 3.0

b (Wire Diameter)
a (Sieve Mesh Size)

Dimension Tolerance of A, B and D

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

Material: PMY (304 Stainless Steel), PMT (316 Stainless Steel)

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

Part Number	Type	Number of Mesh in 1 inch (25.4mm) square	Symbol	Mesh Standards			Shape	Rectangular 10mm Increment			Round
				Sieve Mesh Size a (mm)	Wire Dia. b (mm)	Opening Ratio (%)		A	B	D	
PMY (304 Stainless Steel)	K (Square)	16	X	1.30	0.29	66.9	20~1000 A≥B	20~1000	20~500	-	
		18	Y	1.02	0.57	41.2					
		30	X	0.60	0.25	49.8					
		40	Y	0.56	0.29	43.4					
		60	X	0.28	0.14	44.4					
		80	X	0.20	0.12	39.1					
PMT (316 Stainless Steel)	M (Round)	100	X	0.15	0.1	36.0	-	-	-	-	
		120	X	0.13	0.08	38.3					
		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: - Shape: - A: - B: - D:

Type: Mesh Count: Symbol:

PMY 16 Y - K - 150 - 100 - 250

PMT 100 X - M - 150 - 100 - 250

Days to Ship [Configure Online](#)

Price [Configure Online](#)

Mesh Unit Price

Part Number	A	Unit Price B (Square)				
		20~100	110~200	210~400	410~600	610~1000
PMY16X (304 Stainless Steel)	20~100					
	110~200					
	210~400					
	410~600					
	610~1000					
PMY18X PMY30X PMY40X PMY60X PMY80X PMY100X (304 Stainless Steel)	20~100					
	110~200					
	210~400					
	410~600					
	610~1000					
PMT16X (316 Stainless Steel)	20~100					
	110~200					
	210~400					
	410~600					
	610~1000					

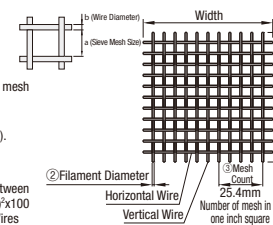
Part Number	A	Unit Price B (Square)				
		20~100	110~200	210~400	410~600	610~1000
PMY16Y PMY18Y (304 Stainless Steel)	20~100					
	110~200					
	210~400					
	410~600					
PMT100X PMT150X PMT200X (316 Stainless Steel)	20~100					
	110~200					
	210~400					
	410~600					

Part Number	A	Unit Price B (Square)				
		20~100	110~200	210~400	410~600	610~1000
PMY30Y PMY120X (304 Stainless Steel)	20~100					
	110~200					
	210~400					
	410~600					
PMT16X (316 Stainless Steel)	20~100					
	110~200					
	210~400					
	410~600					

Mesh Standards

Mesh Standards

- Sieve Mesh Size**
The gap between wires.
- Filament Diameter**
Wire diameter, sieve mesh size and number of mesh vary depending on the wire diameter.
- Mesh Count**
Number of mesh in a one inch square (25.4mm).
- Opening Ratio**
The ratio of opening area to the entire mesh.
Opening Ratio = (Sieve Mesh Size / Pitch between Wires) × 100
* 25.4mm / Number of Mesh = Pitch between Wires



Mesh Roughness Overview

Rough → Fine

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