

Urethane Gaskets

Product name has changed from Urethane Products. Heat resistant urethane is added to material variation. For other rubber and sponge products, see P.435

Type	Material	Hardness	Color
FUS	Ether Type Polyurethane	Shore A95	Natural Color
FUH	Polyurethane	Shore A90	Natural Color
FUM	Ester Type Polyurethane	Shore A70	Natural Color
FUL	Polyurethane	Shore A50	Natural Color
FUTH	Heat Resistant Urethane	Shore A90	Brown

4-N Through Hole

Select a shape from below.

Price [Configure Online](#)

Shape Machining Charge

Shape Code	Price	Shape Code	Price
A		H	
1A		4H	
4A		6H	
8A		8H	

Shape Selection

1

1A

4A

4-N Through Hole

No hole when V=0

V₂≥3
A-Q-N₂≥5
Q-V-N₂≥5

8A

8-N Through Hole

No hole when V=0

V₂≥3
A-Q-N₂≥5
Q-V-N₂≥5

H

No notch when W, V=0.

W, V₂≥10
A-W₂≥5
B-V₂≥5

4H

4-N Through Hole

No notch when W, V=0.

W, V₂≥10
A-W₂≥5
B-V₂≥5
A-F-N₂≥5
B-G-N₂≥5

6H

6-N Through Hole

No notch when W, V=0.

W, V₂≥10
A-W₂≥5
B-V₂≥5
A-2F-N₂≥5
B-G-N₂≥5
F-N₂≥5

8H

8-N Through Hole

No notch when W, V=0.

W, V₂≥10
A-W₂≥5
B-V₂≥5
A-2F-N₂≥5
B-G-N₂≥5
F-N₂≥5
G-N₂≥5

<Machining Limits>

a≥5
b≥2.5

Accuracy Standards

T Dimension Tolerance	1~4	5~10	15~30
	±0.3	±0.4	±0.5

Dimension Tolerance of A, B and V	200mm or Less	201~300	301~400	401~500
	±0.5	±1.0	±1.2	±1.5

⚠ A, B dimension tolerance has been changed. Please refer to the accuracy standards above.

Type	Part Number		T	1mm Increment (A≥B≥T)		W	V	F	G	Q	0.5mm Increment
	Shape			A	B						
FUS (Urethane A95)	A	1	8	25~500 (When T=30, A≥30)	25~500 (When T=30, B≥30)	0.5mm Increment					3~30
FUH (Urethane A90)	1A	2	10								
FUM (Urethane A70)	4A	3	15								
FUL (Urethane A50)	8A	4	20								
FUTH (Heat Resisting Urethane A90)	H	5	25								
	4H	6	30								
	6H										
	8H										

<Refer to Machining Limits and Condition Formula>

Ordering Example: Part Number FUH 4A 5 - A400 - V200 - Q300 - N11

Alterations: Part Number FUTH 4H 30 - A300 - B200 - W200 - V100 - F250 - G150 - N11 - ZC-Z18-Z20 (SC, WSC, ZC)

Alterations	1-Flat	2-Flat	Counterbore Hole
Code	SC	WSC	ZC
Spec.	Adds one flat. Applicable to Shape A and Shape 1A. [Ordering Code] SC100 SC=1mm Increment Shape A A/2<SC-A-2 Shape 1A A/2+V/2+2.5<SC-A-2	Adds two flats. Applicable to Shape A and Shape 1A. [Ordering Code] WSC100 WSC=1mm Increment Shape A A/2<WSC-A-4 Shape 1A V+5<WSC-A-4	Changes N (Through Hole) to Counterbore Hole. [Ordering Code] ZC-Z17.5-J15 Z, J=0.5mm Increment Z-N ₂ ≥4 T-J ₂ ≥2
Price Adder			

Part Number	Type	T	A	Unit Price					
				B	25~100	101~200	201~300	301~400	401~500
Urethane	Shore A95 (x1.0)	1	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
	Shore A90 (x0.7)	2	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
Heat Resistant Urethane	Shore A70 (x1.0)	3	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
	Shore A50 (x1.0)	4	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
Heat Resistant Urethane	Shore A90 (x1.3)	5	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
	Material Multiplier	6	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						

Part Number	Type	T	A	Unit Price					
				B	25~100	101~200	201~300	301~400	401~500
Urethane	Shore A95 (x1.0)	8	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
	Shore A90 (x0.7)	10	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
Heat Resistant Urethane	Shore A70 (x1.0)	15	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
	Shore A50 (x1.0)	20	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
Heat Resistant Urethane	Shore A90 (x1.3)	25	25~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						
	Material Multiplier	30	30~100						
			101~200						
			201~300						
			301~400						
			401~500						
			401~500						

Material Properties

- Ether Polyurethane**
Excels in mechanical strength. Low heat resistance and chemical resistance. Highly resistant to water and suitable for outdoor use. Has high impact resilience.
- Ester Polyurethane**
Excels in mechanical strength. Low heat resistance and chemical resistance. Highly resistant to water and suitable for outdoor use. Has high impact resilience.
- Heat Resistant Urethane**
This product has overcome the weakness of conventional urethanes, poor endurance against heat. Withstands use in high temperature up to 120°C, while general urethane can withstand up to only 70°C.

	Water Resistance	Oil Resistance	Chemical Resistance	Heat
Ether Polyurethane	○		×	×70°C
Ester Polyurethane		○	×	×70°C
Heat Resistant Urethane	○		×	○120°C