

Urethane Gaskets

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

Select a shape from below.

Shape Selection

<Machining Limits>
 $a \geq 5$
 $b \geq 2.5$

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

① A, B dimension tolerance has been changed. Please refer to the accuracy standards.

Type	Part Number			1mm Increment (A \geq B \geq T)		W	V	F	G	Q	0.5mm Increment
	Shape Selection	T Selection		A	B						N
FUS (Urethane A95)	A	1	8	25~500 (When T=30, A \geq 30)	25~500 (When T=30, B \geq 30)	0.5mm Increment <Refer to Machining Limits and Condition Formula>					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								

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-J20

Alterations	1-Flat	2-Flat	Counterbored Hole
Code	SC	WSC	ZC
Spec.	Adds one flat. Applicable to Shape A and Shape 1A. [Ordering Code] SC100 SC=T1mm Increment Shape A: A/2 \leq 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=T1mm Increment Shape A: A/2 \leq WSC-A-4 Shape 1A: V+5<WSC-A-4	Changes N (Through Hole) to Counterbored Hole. [Ordering Code] ZC-Z17.5-J15 Z, J=0.5mm Increment Z-N \geq 4 T-J \geq 2

<Price Calculation Method>
 For the price of urethane gaskets, add the shape machining charge shown below to the price in the list.

Shape Machining Charge

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

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

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. Mechanical strength is 30~100% higher than the ether type, and has excellent oil resistivity. Has low 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 resistance
Ether Polyurethane	○		×	×70°C
Ester Polyurethane		○	×	×70°C
Heat Resistant Urethane	○		×	○120°C

Examples of Price Calculation
 (1): For Round Shape (considering A=B)
 Urethane Rubber Shore A90
 FUH1A3-A300-V200 (Find the price for T3, A300, B300.)
 Body Price
 Shape Machining Charge
 Total

(2): For Square Shape
 Heat Resistant Urethane
 FUTH4H3-A300-B200-W100-F250-G150-N11
 (Find the price for T3, A300, B200.)
 Body Price
 Shape Machining Charge
 Total

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