

Urethane Gaskets

RoHS10

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

Select a shape from below.

Shape Selection

A: Circular gasket with diameter A.

1A: Circular gasket with diameter A and thickness T.

4A: Circular gasket with diameter A, thickness T, and 4-N Through Hole. No hole when V=0.

8A: Circular gasket with diameter A, thickness T, and 8-N Through Hole. No hole when V=0.

H: Rectangular gasket with dimensions A, B, W, V. No notch when W, V = 0.

4H: Rectangular gasket with dimensions A, B, W, V, F. 4-N Through Hole. No notch when W, V = 0.

6H: Rectangular gasket with dimensions A, B, W, V, F, G. 6-N Through Hole. No notch when W, V = 0.

8H: Rectangular gasket with dimensions A, B, W, V, F, G. 8-N Through Hole. No notch when W, V = 0.

Machining Limits

a ≥ 5, b ≥ 2.5

Precision Standards

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

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

Part Number	1 mm Increment (A≥B≥T)		V	Q	0.5 mm Increment	
	Type	Shape				A
FUS Urethane A95		A	25-500 When T=30, A≥30	25-500 When T=30, B≥30	0.5 mm Increment Refer to Machining Limits & Condition Formula	3-30
FUH Urethane A90		1A				
FUM Urethane A70		4A				
FUL Urethane A50		8A				
FUTH Heat Resisting Urethane A90		H				
		4H				
		6H				
		8H				

Part Number Example

Type	Shape	T	A	V	Q	N
FUH	4A	5	A400	V200	Q300	N11

Urethane Gaskets

continued

Part Number	Type	T	A	Available Types					
				B					
				25-100	101-200	201-300	301-400	401-500	
Urethane	Shore A95 x1.0	1	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
		2	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
	Shore A70 x1.0	3	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
		4	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
Heat Resistant Urethane	Shore A90 x1.3	5	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
		6	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	

() Material Multiplier

Part Number	Type	T	A	Available Types					
				B					
				25-100	101-200	201-300	301-400	401-500	
Urethane	Shore A95 x1.0	8	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
		10	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
	Shore A90 x0.7	15	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
		20	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
Heat Resistant Urethane	Shore A90 x1.0	25	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	
		30	25-100	•	—	—	—	—	
			101-200	•	•	•	•	•	
			201-300	•	•	•	•	•	

() Material Multiplier

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. Superior in oil resistance with mechanical strength 30-100% greater than Ether Polyurethane. Has low impact resilience.

Heat Resisting Urethane

This product has overcome the weakness of conventional urethanes, poor endurance against heat. Withstands use in high temperatures up to 120°C, while general urethanes can withstand up to only 70°C.

	Water Resistance	Oil	Chemical	Heat
Ether Polyurethane	Good	Acceptable	Poor	Poor 70°C
Ester Polyurethane	Poor	Good	Poor	Poor 70°C
Heat-Resistant Urethane	Good	Acceptable	Poor	Good 120°C

Part Number Alterations

Part Number	A	B	W	V	F	G	Q	N	(SC / WSC / ZC)
FUTH 4H 39 - A300 - B200 - W200 - V100 - F250 - G150 - N11 - ZC-Z18-J20									

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 = 1 mm 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 = 1 mm 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 = 0.5 mm Increment Z-N≥4 T-J≥2