

Rubber, Sponge Gaskets

Popular gasket shapes in 9 materials are provided.

Type	Material	Hardness	Color
FRN	Nitrile Rubber (NBR)	Shore A70	Black
FRC	Chloroprene Rubber (CR)	Shore A65	Black
FRCAN	Amber Color Rubber	Shore A45	Amber Color
FRSM	Silicon Rubber	Shore A70	Light Gray
FRAM	Silicon Rubber	Shore A50	Milky White
FRFF	Fluororubber (FPM)	Shore A80	Black
FSNC	Chloroprene Rubber Sponge	Asker C25	Black
FSNF	Fluororubber Sponge	Asker C35	Black
FSNA	Silicon Rubber Sponge	Asker C35	Orange
FREP	Ethylene Rubber (EPDM)	Shore A65	Black

☞ Sponge Hardness: ASKER-C

The milky white color of Silicon Rubber Shore A 50 is translucent.

Shape Selection	
<Machining Limits> a ≥ 5 b ≥ 2.5	
Accuracy Standards Rubber T Dimension Tolerance: 1~3 ±0.3, 5 ±0.4, 10 ±0.6, 15~30 ±0.5 Dimension Tolerance of A, B and V: 200mm or Less ±0.5, 201~300 ±1.0, 301~500 ±1.5 Sponge T Dimension Tolerance: 3, 5 ±0.3, 10 ±1.5 A, B Dimension Tolerance: 190mm or Less ±1.5, 191~390 ±2, 391 or More ±3	
☞ A, B dimension tolerance has been changed. Please refer to the accuracy standards.	

Part Number		1mm Increment (A ≥ B ≥ T)		0.5mm Increment	
Type	Shape Selection	T Selection	A	B	N
FRN (Nitrile Rubber)	A	1			
FRC (Chloroprene Rubber)	1A	2			
FRFF (Fluororubber)	4A	3			
FRSM (Silicon A70)	8A	5			
FRAM (Silicon A50)					
FRCAN (Amber Color Rubber)	H	10			
FSNC (Chloroprene Rubber Sponge)	4H	15			
FSNF (Fluororubber Sponge)	6H	20			
FSNA (Silicon Rubber Sponge)	8H				
FREP (Ethylene Rubber EPDM A65)		30			

☞ For FRFF (Fluororubber) with T dimension 15 ~ 30, maximum value for A and B is 300.

Part Number	Type	Shape	T	A	B	W	V	F	G	Q	N
FRN 4H 3	A300	B200	W200	V100	F250	G150					N11

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=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: A/2 + V/2 + 2.5 < WSC < A-4	Changes N (Through Hole) to Counterbored Hole. [Ordering Code] ZC-Z17.5-J15 Z, J=0.5mm Increment Z-N ≥ 4 T-J ≥ 2

<Price Calculation Method>

For the prices of rubber and sponge gaskets, add the shape machining charge below to the price in the list.

Shape Machining Charge

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

Nitrile Rubber, Chloroprene Rubber, Silicon Rubber

Part Number		A	Unit Price				
Type	T		B				
			25-100	101-200	201-300	301-400	401-500
Nitrile Rubber FRN	1	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
Chloroprene Rubber FRC	2	25-100		-			
		101-200		-		-	
		201-300				-	
		301-400					
		401-500					
	3	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
Amber Color Rubber FRCAN (x1.6)	5	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
	10	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
	15	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
Ethylene Rubber FREP (x1.2) (Material Multiplier)	20	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
	30	30-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
	1	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
	2	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
	3	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
Silicon Rubber FRSM Shore A70	5	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
Silicon Rubber FRAM Shore A50	10	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
	15	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
	20	25-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					
	30	30-100		-			
		101-200			-	-	
		201-300				-	
		301-400					
		401-500					