

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

Select a shape from below.

Shape Selection

<Machining Limits>

Accuracy Standards

Material	T Dimension Tolerance	Dimension Tolerance of A, B and V	A, B Dimension Tolerance
Rubber	1~3 ±0.3	200mm or Less ±0.5	190mm or Less ±1.5
Sponge	5 ±0.4	201~300 ±1.0	191~390 ±2
	10 ±0.6	301~500 ±1.5	391 or More ±3
	15~30 +2.0 -0.5		

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

Part Number		T Selection		1mm Increment (A≥B≥T)		0.5mm Increment				
		Shape Selection		A	B	W	V	F	G	Q
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.

Ordering Example

Part Number

TypeShapeT

A

B

W

V

F

G

Q

N

FRN4H3-A300-B200-W200-V100-F250-G150-N11

Alterations

Part Number

TypeShapeT

FRN4H30-A300-B200-W200-V100-F250-G150-N11-ZC-Z18-J20

	1-Flat	2-Flat	Counterbored Hole
Alterations			
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 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		Unit Price					
		A	B				
Type	T		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	3	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
Amber Color Rubber FRCAN	10	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
Ethylene Rubber FREP	20	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
Silicon Rubber FRSM	5	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
Silicon Rubber FRAM	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	25-100					
		101-200					
		201-300					
		301-400					
		401-500					

Fluororubber

Part Number		Unit Price					
		A	B				
Type	T		25-100	101-200	201-300	301-400	401-500
Fluororubber FRFF	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					
	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					
	20	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
	30	25-100					
		101-200					
		201-300					
		301-400					
		401-500					

Chloroprene Rubber Sponge, Fluororubber Sponge, Silicon Rubber Sponge

Part Number		Unit Price					
		A	B				
Type	T		25-100	101-200	201-300	301-400	401-500
Chloroprene Rubber Sponge FSNC	3	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
	5	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
	10	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
	3	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
Fluororubber Sponge FSNF	5	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
	10	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
	3	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
Silicon Rubber Sponge FSNA	5	25-100					
		101-200					
		201-300					
		301-400					
		401-500					
	10	25-100					
		101-200					
		201-300					
		301-400					
		401-500					

Examples of Price Calculation

(1): For Round Shape (considering A=B)

Nitrile Rubber

FRN1A3-A300-V200 (Find the price for T3, A300, B300.)

Body Price

Shape Machining Charge

Total

(2): For Square Shape

Ethylene Rubber

FREP4H3-A300-B200-W200-V100-F250-G150-N11

(Find the price for T3, A300, B200.)

Body Price

Shape Machining Charge

Total