



Comparison of cloth gaskets

These gaskets are not suitable for tight gas seals. Use them in places where a certain amount of leakage is permitted.

Product name

TOMBO No.

1374

NA manhole gasket

TOMBO No.

1400-TH

FF manhole gasket

TOMBO No.

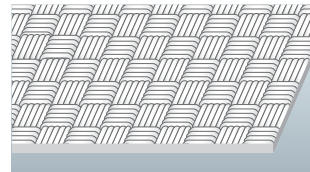
1400-NA/-S

Super manhole series

TOMBO No.

1400-ST

Super manhole series



These gaskets consist of heat resistant cloth which is caulked with rubber filler and then cut to the specified shape.

Features

TOMBO No.		1374	1400-TH	1400-NA	1400-ST	1400-S
Cloth construction	Woof	Glass fiber	Ceramic fiber + SUS wire	Ceramic fiber + SUS wire	Ceramic fiber + SUS wire	Ceramic fiber + SUS wire
	Warp	Glass fiber	Ceramic fiber + SUS wire	SUS wire	Ceramic fiber + SUS wire	SUS wire
Heat-resistant temperature [°C]		400	600		800	
Color tone		Gray	Yellow	Black	Yellow	Gray
Smoke emission ^{*1} (quantity of organic matter)		25% or less	20% or less	15% or less	25% or less	15% or less

*1: Differs according to the conditions of use. Carry out an evaluation using an actual machine.

* This is the measured value. It is not a guaranteed value.

Handling

TOMBO No.		1374	1400-TH	1400-NA	1400-ST	1400-S
Hardness/softness	Evaluation	Soft	Soft	Hard	Soft	Soft
	Compression [%] ^{*1}	59	70	34	70	58
Stiffness	Evaluation	Strong	Weak	Very strong	Strong	Strong
	Deflection [mm] ^{*2}	18	36	1	19	15
Tensile strength	Evaluation	Strong	Weak	Very strong	Somewhat weak	Somewhat strong
	Tensile strength ^{*3}	47N	9N	81N	11N	16N

*1: Degree of compression when a contact pressure of 5.9MPa is applied.

*2: Fix a testpiece of 20mm × 200mm at one point, and measure the deflection when the test piece is allowed to droop under its own weight.

*3: Tensile strength per one piece of cloth.

* This is the measured value. It is not a guaranteed value.

Applications

Manholes and hand holes for exhaust gas, hot air passage, etc. Autoclaves and large bore flanges.
Diesel engine exhaust pipe, flue manhole, boiler combustion port.

Lineup

TOMBO No. 1374-G

This gasket consists of TOMBO No.1374 that has been subjected to anti-seizure treatment (graphite treatment). Black.

TOMBO No. 1400-THG

This gasket consists of TOMBO No.1400-TH that has been subjected to anti-seizure treatment (graphite treatment). Black.

TOMBO No.9094 NAFLON™ manhole gasket

This is a manhole gasket that uses PTFE dispersion as the filler material. It is used for the ducts where chemical resistance or solvent resistance is required and the ducts for corrosive gas such as acidic exhaust gas. It withstands a temperature of 300°C. Color: White

Woven gaskets are divided mainly into two types. One is a tape type consisting of woven cloth coated with rubber compound that is folded into several layers and pressed into the form of a tape. The other is a manhole type consisting of woven cloth sewn to fit the shape of the manhole and then formed into a gasket. They are ideal for applications in which the bore of the flange is large, where there is distortion, and also where a high seating stress cannot be applied.

TOMBO No.

1364

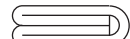
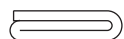
NA gasket tape



This gasket tape consists of woven glass cloth coated with natural rubber and folded to form a laminated tape.

3-layer fold

4-layer fold



400°C

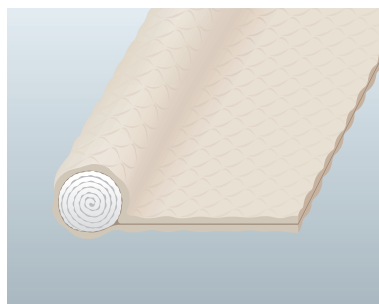
Gray

Manholes, hand holes, autoclaves and large bore flanges that are exposed to low pressure vapor, exhaust gas, hot air, etc.

TOMBO No.

1368

NA tadpole gasket tape



■ TOMBO No.1368 gasket tape has a core of woven glass cloth coated with rubber compound and coiled, and its outer skin is formed as shown in the figure above.

■ TOMBO No.1378 is TOMBO No.1368 that is formed into a ring and sewn into the shape of a gasket.

400°C

Gray

Doors of furnaces, heaters, dryers, etc., dampers, and also manholes for passages of exhaust gas, hot air, dust, etc.

■ TOMBO No.1368-G

This is TOMBO No.1368 subjected to anti-seizure treatment (graphite treatment). Black.

TOMBO No.

1378

NA tadpole gasket



Product name

Series/brand

Color/tone

Applications

Lineup

Cloth Gasket

Standard dimensions

TOMBO No.		1374 1374-G	1400-TH 1400-THG	1400-ST	1400-NA	1400-S	9094	1364	1368 1368-G	1378
Nominal thickness	1.6	—	—	—	—	—	●	—	—	—
	2.5	—	—	●	—	—	—	—	—	—
	3.0	—	—	—	—	●	—	—	—	—
	3.2	●	—	—	●	—	●	●	●	●
	4.0	—	●	—	—	—	—	—	—	—
	4.8	●	—	—	●	—	●	●	—	—
	5.0	—	—	●	—	●	—	—	—	—
	6.0	—	●	—	—	●	—	—	—	—
	6.4	●	—	—	●	—	●	●	—	—
	7.5	—	—	●	—	—	—	—	—	—
	8.0	●	●	—	●	●	—	—	—	—
9.6	●	—	—	●	—	—	—	—	—	
10.0	—	●	●	—	●	—	—	—	—	
Dimensions	Please specify.						Please specify.	[Width mm] 13, 20, 25, 30, 40, 50 [Length m]30	[Height mm] 6.4, 7.9, 9.5, 11.1, 12.7, 15.9, 19.1, 22.2, 25.4	Please specify.