



Comparison of metal gaskets

Product name

Construction

Features

Applications

Service range

TOMBO No.

1850C

Octagonal ring joint gasket



This gasket is made of forged metal that is formed into an octagonal cross-section.

- The surface-to-surface contact of the gasket sealing face and the flange groove realizes excellent sealing performance.
- The gasket can be reused by re-grinding^{*1}.

*1: This involves rubbing the metal surfaces against each other in order to obtain smoother surfaces.

This type of gasket is suitable for sealing pipe flanges, valves, pressure vessels, and heat exchangers, etc., under high-temperature and high-pressure, which is difficult to realize with a plain type metal gasket.

Depends upon the material.

TOMBO No.

1850V

Oval type ring joint gasket



This gasket is made of forged metal formed into an oval cross-section.

- Compared to an octagonal type, the sealing face of this type of gasket touches the flange along a line, thus realizing a good fit with the flange groove. On the other hand, the ring cannot be reused.

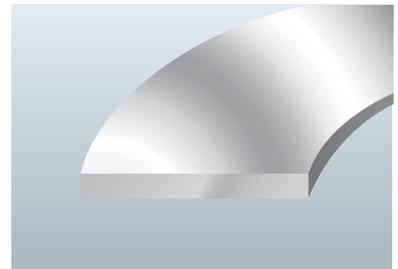
This type of gasket is suitable for flange faces on which an octagonal type gasket cannot be used, and also pipe flanges, valves, pressure vessels, heat exchangers, and other applications where fit is important.

Depends upon the material.

TOMBO No.

1850P

Flat type metal gasket



This is a flat gasket that is cut out from a flat sheet, circular rod, or a forged part, and shaped using a lathe.

- Flat type gasket made by flat-forming metal.
- A high tightening pressure is necessary to ensure a good fit between the seal face and the flange.

Pipe flanges, valves, pressure vessels, heat exchangers and other places under high-temperature and high-pressure where the flange cannot be formed to the designated shape.

Depends upon the material.



TOMBO No. **1850** series / **1890**

Metal solid gasket

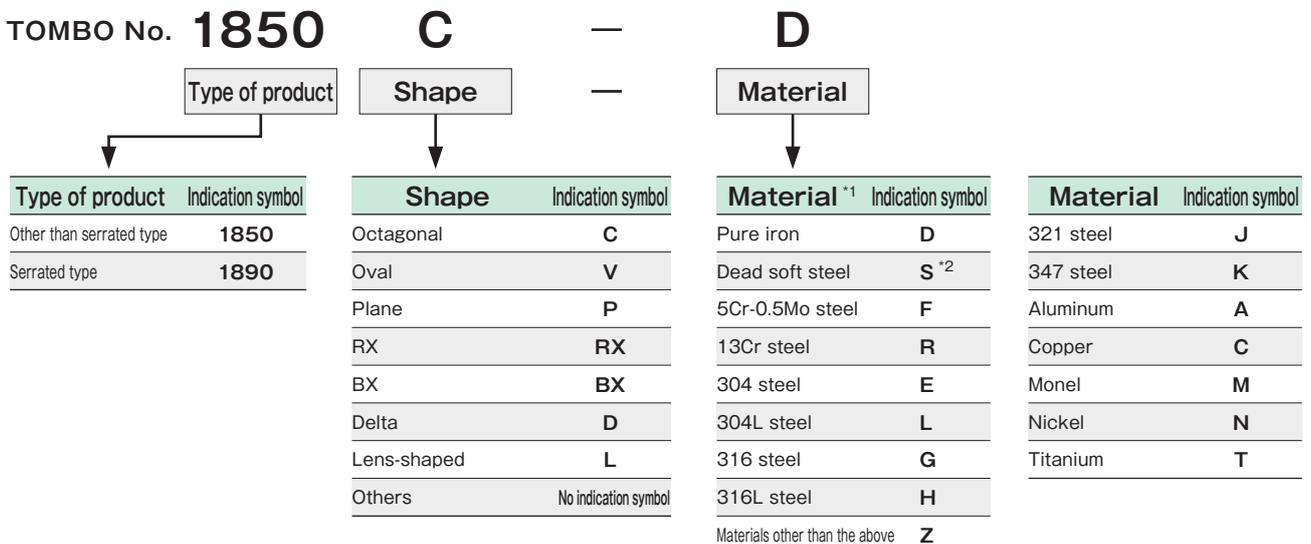
Lineup

We can manufacture octagonal, oval, plain and serrated gaskets, and also metal gaskets of various shapes.

Shape	Product name	Indication symbol	Features
	RX type ring joint gasket	RX	This is a special octagonal ring joint intended for use on a 6B flange which is stipulated in API spec 6A.
	BX type ring joint gasket	BX	This is a special octagonal ring joint intended for use on a 6BX flange which is stipulated in API spec 6A.
	Delta type metal gasket	D	This is an auto-seal type metal gasket that has a triangular cross-section.
	Lens type metal gasket	L	This is an auto-seal type metal gasket that has a lens-shaped cross-section. It is stipulated in DIN 2696.
	Double cone type metal gasket	No indication symbol	This is an auto-seal type metal gasket the cross section of which is a longitudinally split octagonal ring.
	Bridgeman type metal gasket	No indication symbol	This is an auto-seal type metal gasket which has a wedge-shaped cross-section. It is also called a seal ring.

*For shapes other than the above, please contact us.

How to read TOMBO No. When placing an order, please specify the following product specifications (TOMBO No.)



*1: We can manufacture gaskets from other metals according to your specifications. We recommend that you select a gasket that has a Brinell hardness (HB) value of between 30 and 40 softer than that of the flange material.

*2: A plane metal gasket made from rolled steel is indicated as SS.