

# Semi Metallic Gasket

## ● Metal Jacket Gasket

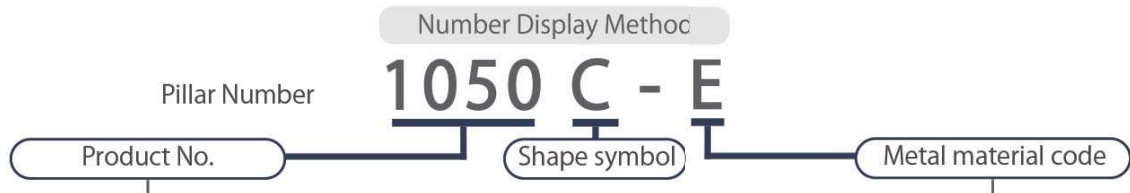
The metal jacket gasket is a semi-metallic gasket in which the outer side of the mill board material, heat resistant thread etc., is covered with a thin metal plate. It can also cope with complicated plane shape and large diameter. Metal jacketed gasket with a superior sealing performance, surface treated with Pillarfoil is available.

### ● Cross-sectional shape of metal jacket gasket · List of metal materials

Metal jacket gaskets are characterized by their coated metallic materials. The gasket characteristics of each material are shown in the table below.

	Material		Pillar No.	Flange surface roughness(μmRa)	Max. temp. (°C)	Max. pressure (MPaG)	Min. designed tightening stress y(N/mm <sup>2</sup> )	Gasket factor m	
Standard goods	Stainless steel	304 or equivalent	E	1.6	530	4.9	62.1	3.75	
		316 or equivalent	G						
	Non ferrous Metal	Copper	C		400		44.8	3.50	
Carbon steel	Extreme mild steel	S	530		52.4		3.75		
Nonstandard goods	Stainless steel	304L or equivalent	L		400		530	62.1	3.75
		316 or equivalent	H						
	316L or equivalent	F							
Non ferrous metal	Aluminum	A	400	37.9	3.25				
Pillarfoil application (1650/1654)				6.3	※530	9.8	39.2	3.00	

※400 °C in case of oxidizing atmosphere



Pillar No.	1050	1054	1056	1150	1650	1654	Cover metal material		
	Name	Single coating	Double coating	Corrugated coating	Round coating	Single coating with Pillarfoil	Double coating with Pillarfoil	Code	Material
Shape							Standard goods	E	304 or equivalent
Standard core	Millboard	Millboard	Millboard	Heat resistant yarn	Millboard	Millboard		G	316 or equivalent
Surface material	None	None	None	None	Pillarfoil	Pillarfoil		C	Copper
								S	Extreme mild steel

(Note) Please consult us in case of using special core materials other than the combinations above .

### ● Planar shape and shape symbol

