

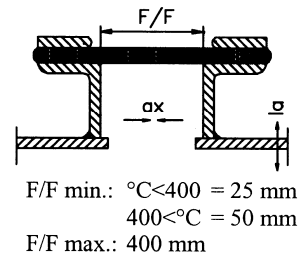
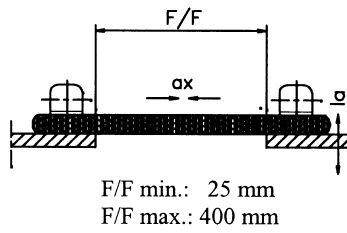
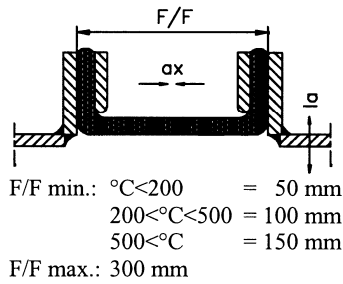


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|-------------|---------------------------|--------|
| 1. LN 系列產品 | LN type products | P. 1~2 |
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LN 系列產品適用於流體為一般空氣，且無任何腐蝕性之成份。

(The LN types are suitable for medium of air, without contents of chemicals.)



變位量表 (Expansion Absorption Chart) :

型號 / 外型 Model / Profile No.		F / F (mm)																
		50		100		150		200		250		300		350		400		
		ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	
LN	200,300	25	10	50	20	75	30	100	40	125	50	150	60	175	70	200	80	
	400	I,IV,V	20	7	40	15	60	20	80	30	100	40	120	45	140	50	160	60
	500	II,III			30	10	45	15	60	20	75	25	90	30	105	35	120	40
	700	I,IV,V	15	5	30	10	45	15	60	20	75	25	90	30	105	35	120	40
	1000	II,III			25	10	35	15	50	20	65	25	80	30	90	35	110	40

附注(Remarks) : ax : 軸向壓縮(axial compression) la : 側向位移(lateral movement)

軸向伸長量(axial extension) = F/F 長之 5% (5% of F/F)

耐壓對照表 (Pressure Chart) :

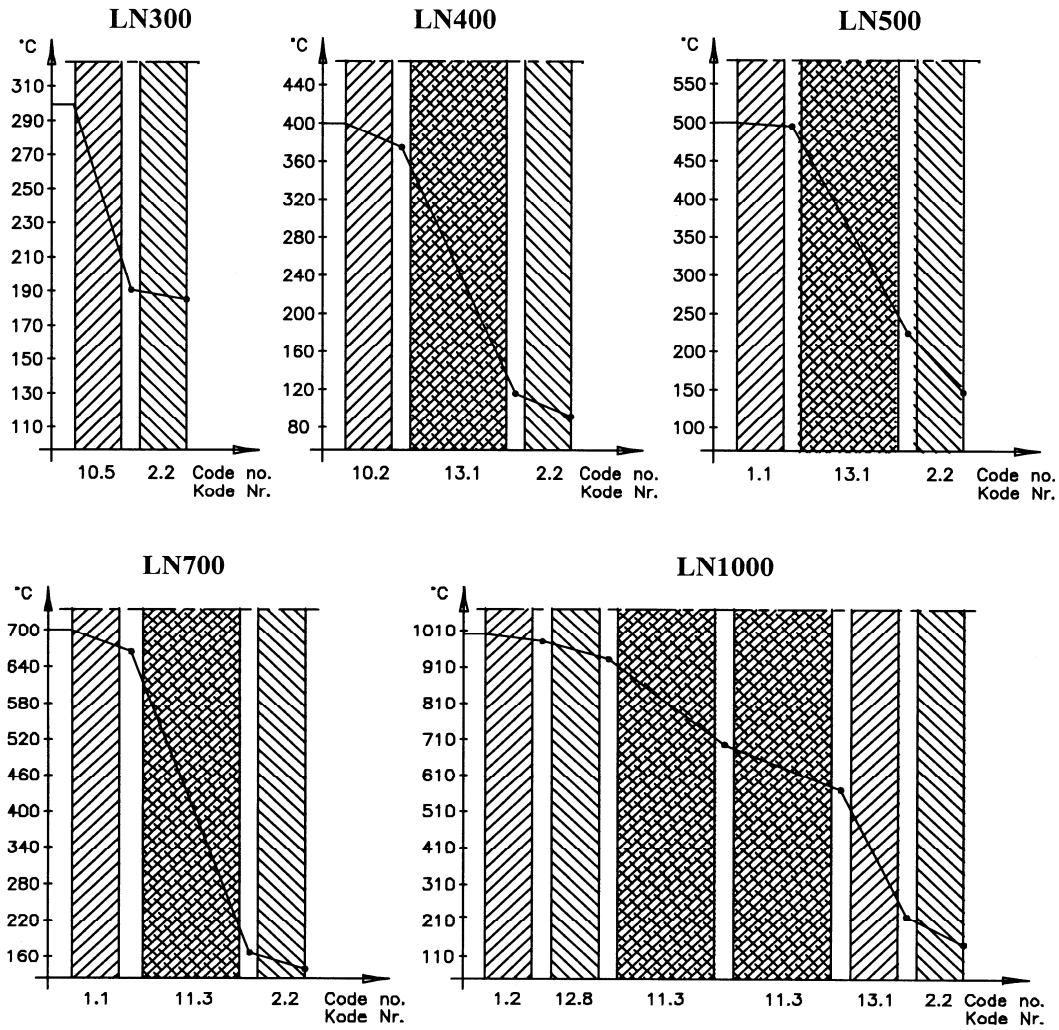
型號 / Model		外型 Profile No.	Kpa (-)				Kpa (+)										
			12	8	4	0	4	8	12								
LN	200 , 300 , 400	I , II , IV															
	200 , 300 , 400	III , V															
	500 , 700	I , II , IV															
	500 , 700	III , V															
	1000	I , II , IV															
	1000	III , V															

附注(Remarks) : 1kpa = 0.1 N/cm² = 0.01 kg/cm² = 0.1 m-H₂O = 0.01 bar

材層說明與耐溫對照表 (Standard Composition and Temperature Limited of the Exp. Joint) :

型號 Model	各材層組合 Composition of Materials							耐溫(Max. Temp.)	
								°C	°F
LN200	2.2							200	392
LN300	10.5	2.2						300	572
LN400	10.2	13.1	2.2					400	752
LN500	1.1	13.1	2.2					500	932
LN700	1.1	11.3	2.2					700	1292
LN1000	1.2	12.8	11.3	11.3	13.1	2.2		1000	1832

材層溫度遞減表 (Temperature Gradients) :

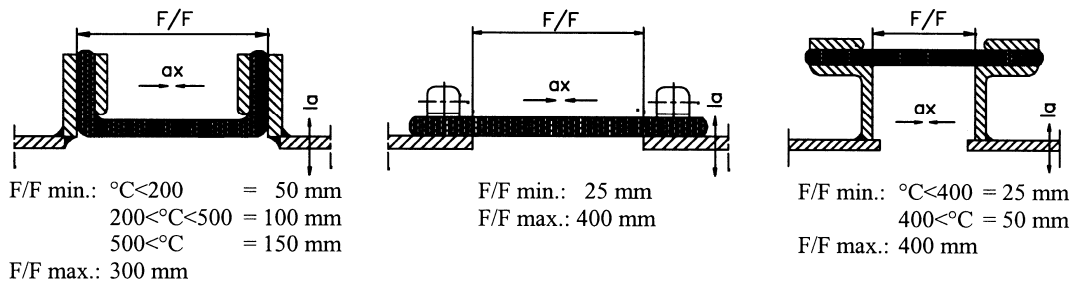


材料編號說明 (Material Specification) :

編號 No.	材料名稱說明 Material Description	單位重量 Weight (g/m ²)	厚度 Thickness (mm)
1.1	Wire mesh, AISI 316, 16x16	1100	0.37
1.2	Wire mesh, Incoloy DS, 12X12	1240	0.45
2.2	Silicone coated glass fabric	1285	0.90
10.2	Glass fabric impregnated with inorganic HT75	1050	1.25
10.5	Glass fabric impregnated with inorganic HT75	680	0.70
11.3	Superwool – 1" 128 kg/m ³	3200	25.00
12.8	Silica fabric, pre-shrunk	1250	1.30
13.1	Needled glass felt	2000	13.00

MN 系列產品適用於流體為含輕微腐蝕性之廢氣環境。

(The MN types are suitable for flue-gas with light acid attack.)



變位量表 (Expansion Absorption Chart) :

型號 / 外型 Model / Profile No.		F / F (mm)																
		50		100		150		200		250		300		350		400		
		ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	
MN	300	20	7	40	15	60	20	80	30	100	40	120	45	140	50	160	60	
	400	I,IV,V	20	7	40	15	60	20	80	30	100	40	120	45	140	50	160	60
	500	II,III			30	10	45	15	60	20	75	25	90	30	105	35	120	40
	700	I,IV,V	10	5	25	10	35	15	50	20	65	25	80	30	90	35	110	40
	1000	II,III					30	10	40	20	50	20	60	25	70	30	80	35

附注(Remarks) : ax : 軸向壓縮(axial compression) la : 側向位移(lateral movement)

軸向伸長量(axial extension) = F/F 長之 5% (5% of F/F)

耐壓對照表 (Pressure Chart) :

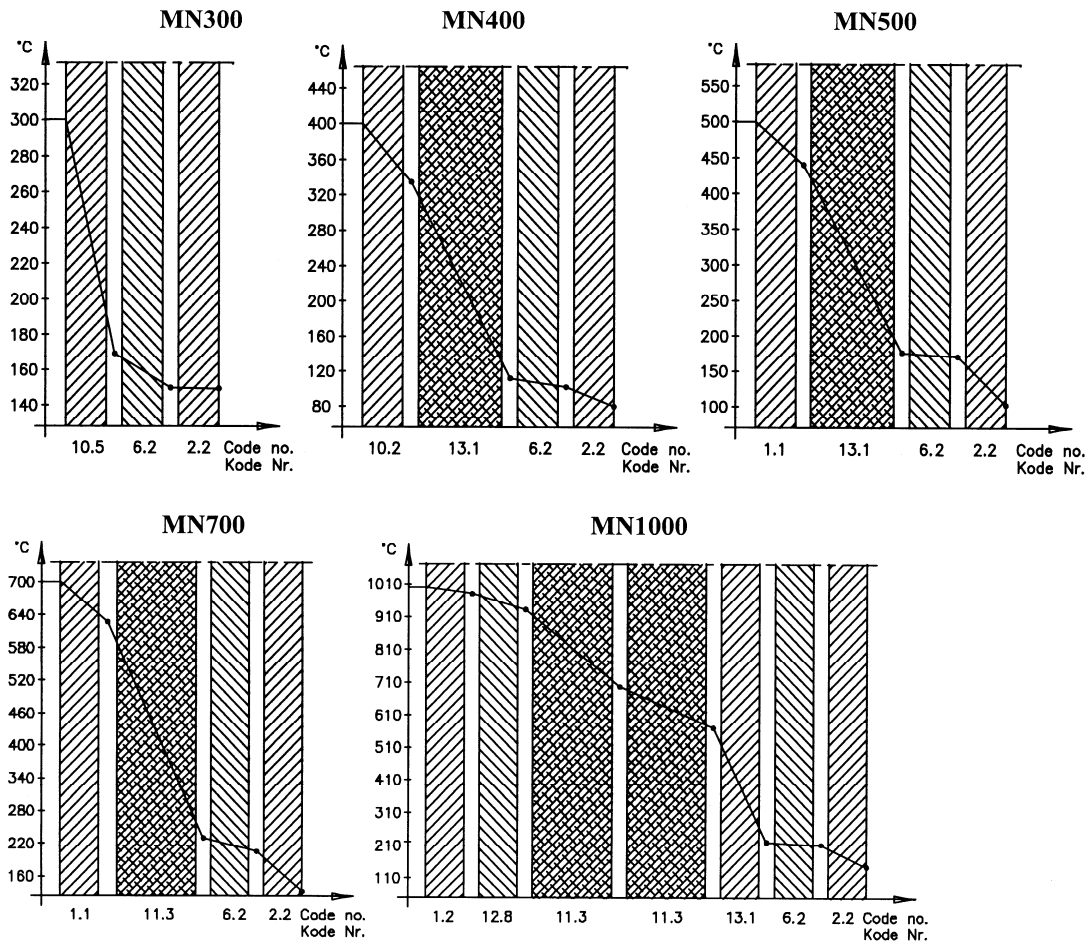
型號 / Model		外型 Profile No.	Kpa (-)				Kpa (+)										
			18	12	6	0	6	12	18								
MN	300, 400	I, II, IV															
	300, 400	III, V															
	500, 700	I, II, IV															
	500, 700	III, V															
	1000	I, II, IV															
	1000	III, V															

附注(Remarks) : 1kpa = 0.1 N/cm² = 0.01 kg/cm² = 0.1 m-H₂O = 0.01 bar

材層說明與耐溫對照表 (Standard Composition and Temperature Limited of the Exp. Joint) :

型號 Model	各材層組合 Composition of Materials							耐溫(Max. Temp.)	
								$^{\circ}\text{C}$	$^{\circ}\text{F}$
MN300	10.5	6.2	2.2					300	572
MN400	10.2	13.1	6.2	2.2				400	752
MN500	1.1	13.1	6.2	2.2				500	932
MN700	1.1	11.3	6.2	2.2				700	1292
MN1000	1.2	12.8	11.3	11.3	13.1	6.2	2.2	1000	1832

材層溫度遞減表 (Temperature Gradients) :

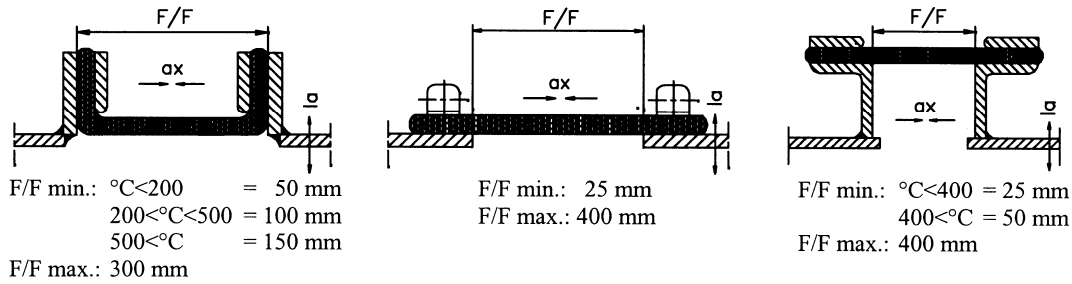


材料編號說明 (Material Specification) :

編號 No.	材料名稱說明 Material Description	單位重量 Weight (g/m ²)	厚度 Thickness (mm)
1.1	Wire mesh, AISI 316, 16x16	1100	0.37
1.2	Wire mesh, Incoloy DS, 12X12	1240	0.45
2.2	Silicone coated glass fabric	1285	0.90
6.2	PTFE foil	440	0.20
10.2	Glass fabric impregnated with inorganic HT75	1050	1.25
10.5	Glass fabric impregnated with inorganic HT75	680	0.70
11.3	Superwool – 1" 128 kg/m ³	3200	25.00
12.8	Silica fabric, pre-shrunk	1250	1.30
13.1	Needled glass felt	2000	13.00

RN 系列產品適用於流體具強腐蝕性之廢氣環境。

(The RN types are suitable for medias of flue-gas with heavy acid attack.)



變位量表 (Expansion Absorption Chart) :

型號 / 外型 Model / Profile No.		F / F (mm)																
		50		100		150		200		250		300		350		400		
		ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	
RN	300	20	7	40	15	60	20	80	30	100	40	120	45	140	50	160	60	
	400	I,IV,V	20	7	40	15	60	20	80	30	100	40	120	45	140	50	160	60
	500	II,III			30	10	45	15	60	20	75	25	90	30	105	35	120	40
	700	I,IV,V	10	5	25	10	35	15	50	20	65	25	75	30	85	35	100	40
	1000	II,III					30	10	40	20	50	20	60	25	70	30	80	35

附注(Remarks) : ax : 軸向壓縮(axial compression) la : 側向位移(lateral movement)

軸向伸長量(axial extension) = F/F 長之 5% (5% of F/F)

耐壓對照表 (Pressure Chart) :

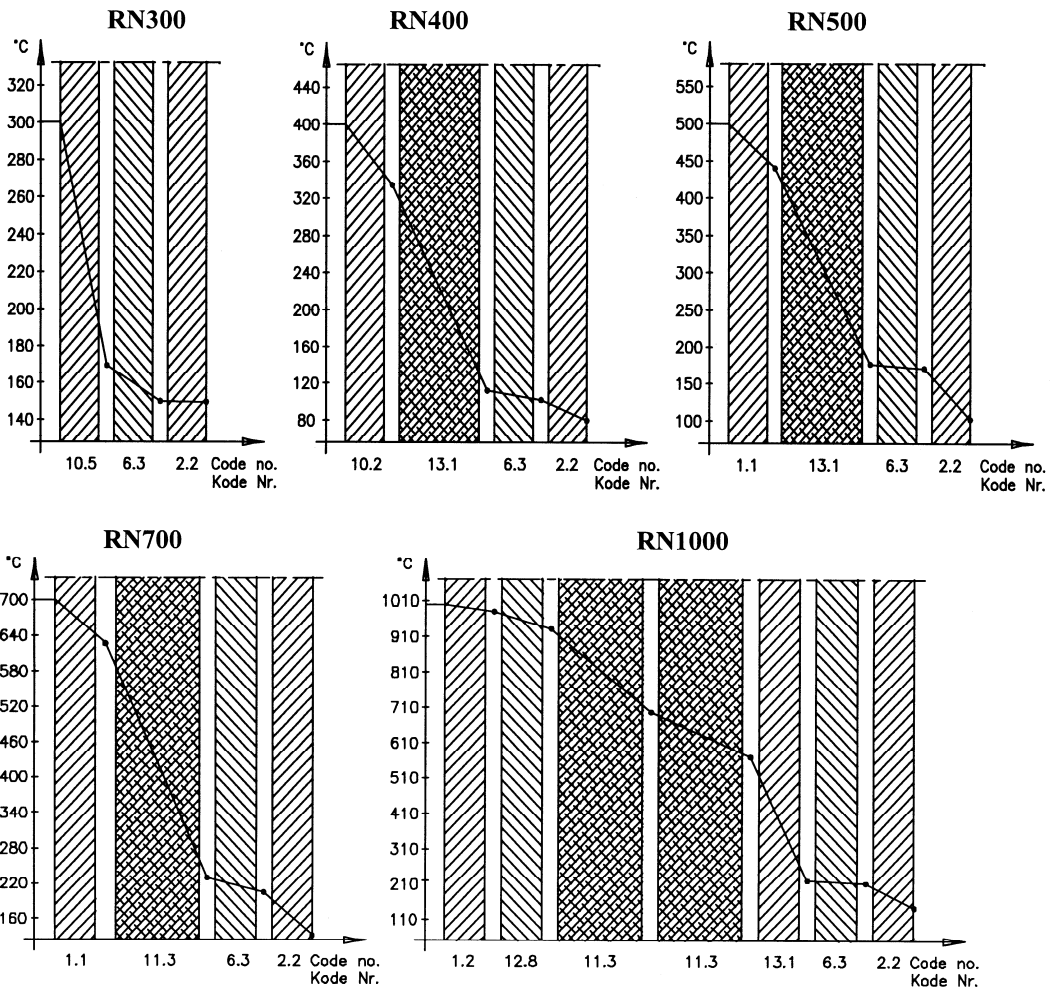
型號 / Model		外型 Profile No.	Kpa (-)				Kpa (+)											
			25	15	8	0	8	15	25									
RN	300, 400	I, II, IV																
	300, 400	III, V																
	500, 700	I, II, IV																
	500, 700	III, V																
	1000	I, II, IV																
	1000	III, V																

附注(Remarks) : 1kpa = 0.1 N/cm² = 0.01 kg/cm² = 0.1 m-H₂O = 0.01 bar

材層說明與耐溫對照表 (Standard Composition and Temperature Limited of the Exp. Joint) :

型號 Model	各材層組合 Composition of Materials							耐溫(Max. Temp.)	
								$^{\circ}\text{C}$	$^{\circ}\text{F}$
RN300	10.5	6.3	2.2					300	572
RN400	10.2	13.1	6.3	2.2				400	752
RN500	1.1	13.1	6.3	2.2				500	932
RN700	1.1	11.3	6.3	2.2				700	1292
RN1000	1.2	12.8	11.3	11.3	13.1	6.3	2.2	1000	1832

材層溫度遞減表 (Temperature Gradients) :

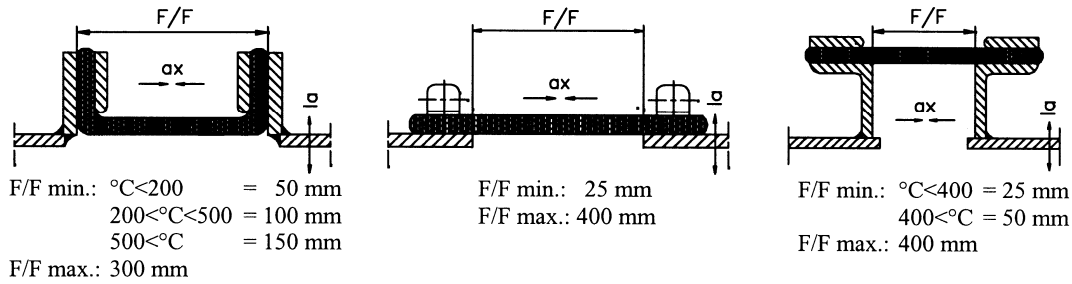


材料編號說明 (Material Specification) :

編號 No.	材料名稱說明 Material Description	單位重量 Weight (g/m ²)	厚度 Thickness (mm)
1.1	Wire mesh, AISI 316, 16x16	1100	0.37
1.2	Wire mesh, Incoloy DS, 12X12	1240	0.45
2.2	Silicone coated glass fabric	1285	0.90
6.3	PTFE coated glass fabric, inside laminated	750	0.42
10.2	Glass fabric impregnated with inorganic HT75	1050	1.25
10.5	Glass fabric impregnated with inorganic HT75	680	0.70
11.3	Superwool – 1" 128 kg/m ³	3200	25.00
12.8	Silica fabric, pre-shrunk	1250	1.30
13.1	Needled glass felt	2000	13.00

HD 系列產品適用於具強烈腐蝕性且高壓力之流體環境。

(The HD types are suitable for extreme conditions concerning medium, pressure and temperature.)



變位量表 (Expansion Absorption Chart) :

型號 / 外型 Model / Profile No.		F / F (mm)																
		50		100		150		200		250		300		350		400		
		ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	
HD	250,300	10	5	25	10	35	15	55	20	75	25	90	30	105	35	120	40	
	400	I,IV,V	10	5	25	10	35	15	55	20	75	25	90	30	105	35	120	40
	500	II,III			25	10	30	15	50	20	60	25	75	30	85	35	100	40
	700	I,IV,V	10	5	25	10	35	15	50	20	60	25	75	25	80	30	90	35
	1000	II,III					25	10	40	10	50	15	60	15	70	20	80	25

附注(Remarks) : ax : 軸向壓縮(axial compression) la : 側向位移(lateral movement)

軸向伸長量(axial extension) = F/F 長之 5% (5% of F/F)

耐壓對照表 (Pressure Chart) :

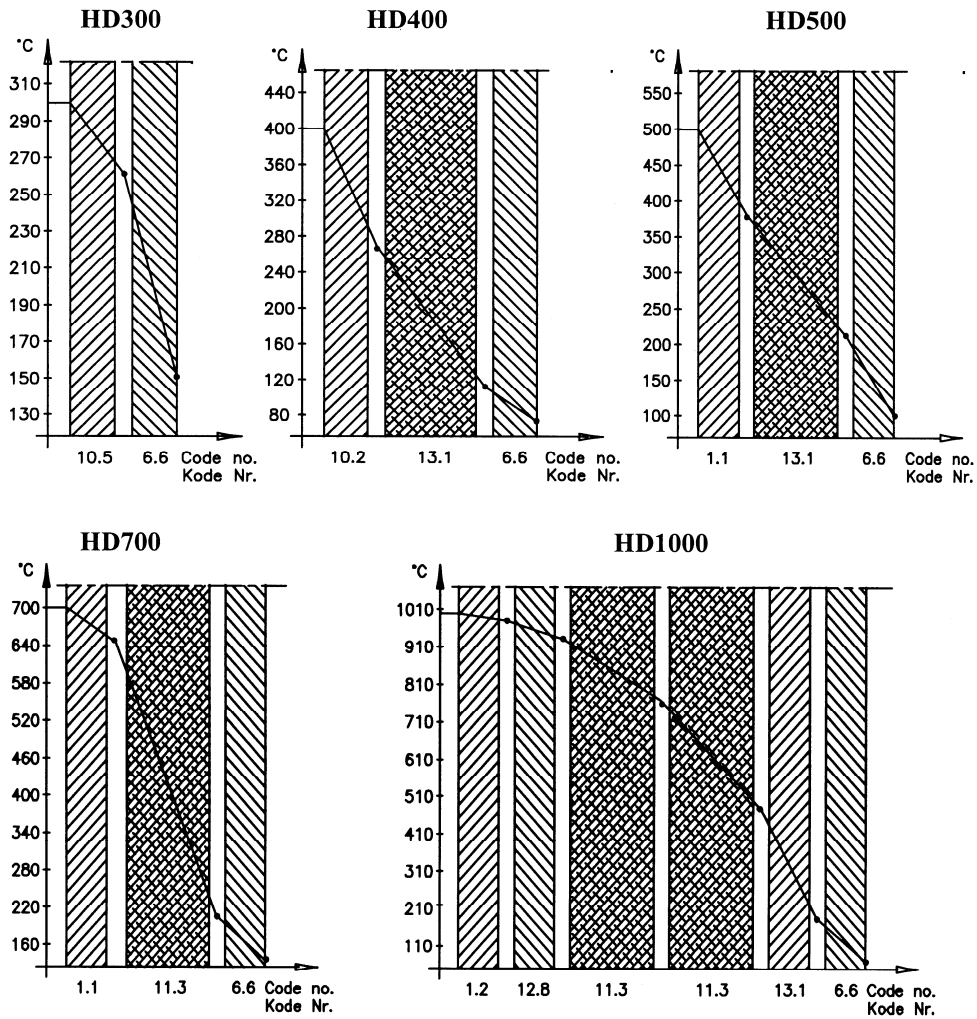
型號 / Model		外型 Profile No.	Kpa (-)				Kpa (+)											
			50	30	15	0	15	30	50									
HD	250, 300, 400	I, II, IV																
	250, 300, 400	III, V																
	500, 700	I, II, IV																
	500, 700	III, V																
	1000	I, II, IV																
	1000	III, V																

附注(Remarks) : 1kpa = 0.1 N/cm² = 0.01 kg/cm² = 0.1 m-H₂O = 0.01 bar

材層說明與耐溫對照表 (Standard Composition and Temperature Limited of the Exp. Joint) :

型號 Model	各材層組合 Composition of Materials							耐溫(Max. Temp.)	
								$^{\circ}\text{C}$	$^{\circ}\text{F}$
HD250	6.6							250	482
HD300	10.5	6.6						300	572
HD400	10.2	13.1	6.6					400	752
HD500	1.1	13.1	6.3					500	932
HD700	1.1	11.3	6.3					700	1292
HD1000	1.2	12.8	11.3	11.3	13.1	6.6		1000	1832

材層溫度遞減表 (Temperature Gradients) :

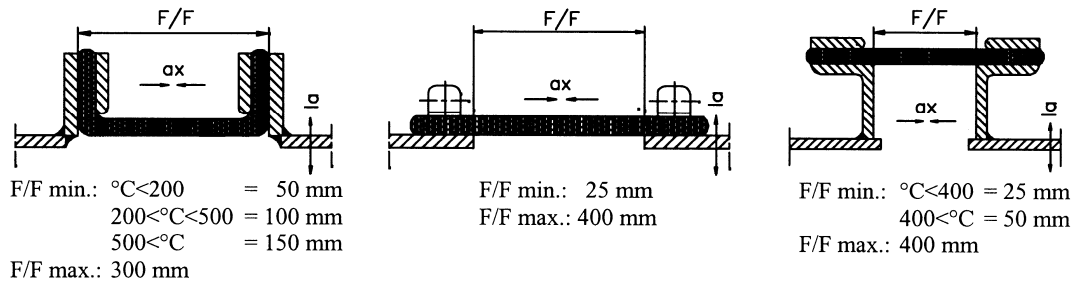


材料編號說明 (Material Specification) :

編號 No.	材料名稱說明 Material Description	單位重量 Weight (g/m ²)	厚度 Thickness (mm)
1.1	Wire mesh, AISI 316, 16x16	1100	0.37
1.2	Wire mesh, Incoloy DS, 12X12	1240	0.45
6.6	PTFE coated glass fabric, inside laminated	2000	1.20
10.2	Glass fabric impregnated with inorganic HT75	1050	1.25
10.5	Glass fabric impregnated with inorganic HT75	680	0.70
11.3	Superwool – 1" 128 kg/m ³	3200	25.00
12.8	Silica fabric, pre-shrunk	1250	1.30
13.1	Needled glass felt	2000	13.00

GTX 系列產品主要用於汽渦輪系統，其最高使用溫度為 700°C。

(The GTX types have been developed for gas turbine applications. They can be applied to temperatures up to 700°C.)



變位量表 (Expansion Absorption Chart) :

型號 / 外型 Model / Profile No.			F / F (mm)															
			50		100		150		200		250		300		350		400	
			ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la
GTX	-A*	IV	10	5	25	10	35	15	50	20	60	25	75	30	85	35	100	40
	-B*	IV	10	5	25	10	35	15	50	20	60	25	75	25	80	30	90	35
	-C*																	

附注(Remarks) : ax : 軸向壓縮(axial compression) la : 側向位移(lateral movement)

*: 當加裝金屬網內套時, 其最大側向位移約為 F/F 長之 5%, 軸向位移如上表 GTX-B/-C

(The max. lateral expansion absorption is approx. 5% of F/F with a wire-mesh sleeve.

Axial expansion absorption as GTX-B/-C.)

耐壓對照表 (Pressure Chart) :

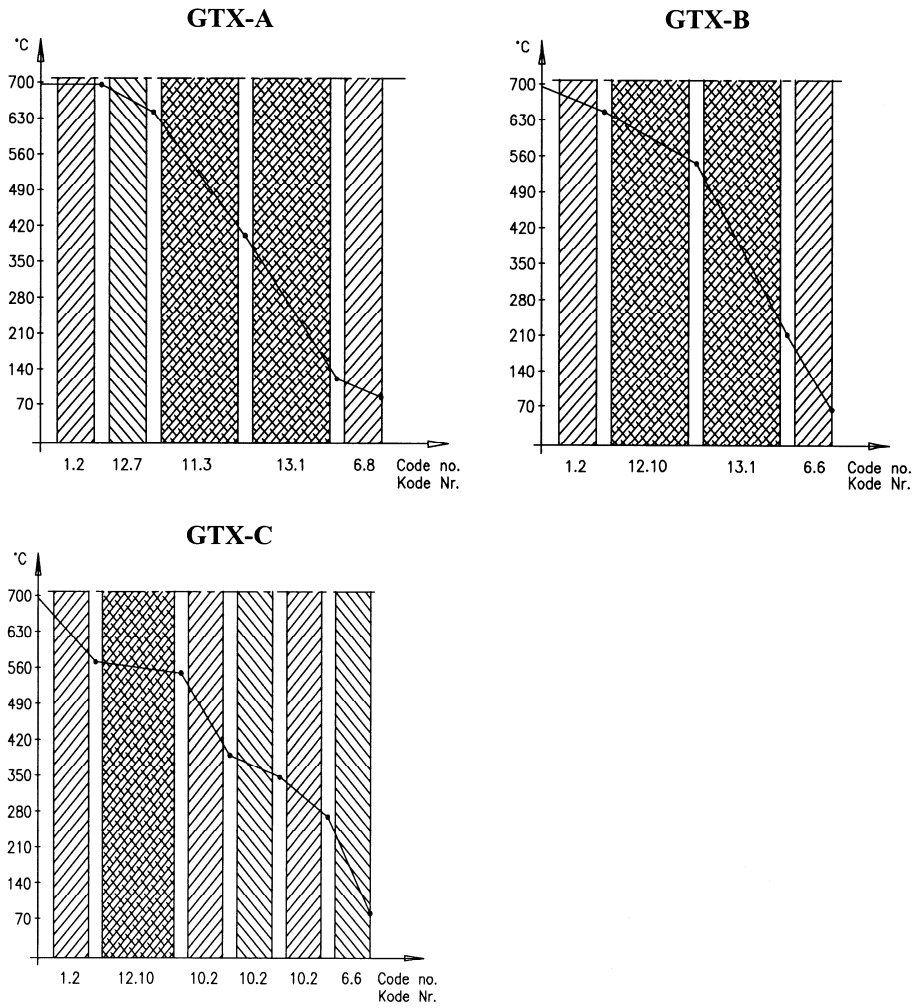
型號 / Model		外型 Profile No.	Kpa (-)				Kpa (+)			
			50	30	15	0	15	30	50	
GTX	-A	IV								
	-A	IV								
	-B,-C	IV								
	-B,-C	IV								

附注(Remarks) : 1kpa = 0.1 N/cm² = 0.01 kg/cm² = 0.1 m-H₂O = 0.01 bar

材層說明與耐溫對照表 (Standard Composition and Temperature Limited of the Exp. Joint) :

型號 Model	各材層組合 Composition of Materials							耐溫(Max. Temp.)	
								°C	°F
GTX-A	1.2	12.7	11.3	13.1	6.8			700	1292
GTX-B	1.2	12.1	13.1	6.6				700	1292
GTX-C	1.2	12.1	10.2	10.2	10.2	6.6		700	1292

材層溫度遞減表 (Temperature Gradients) :

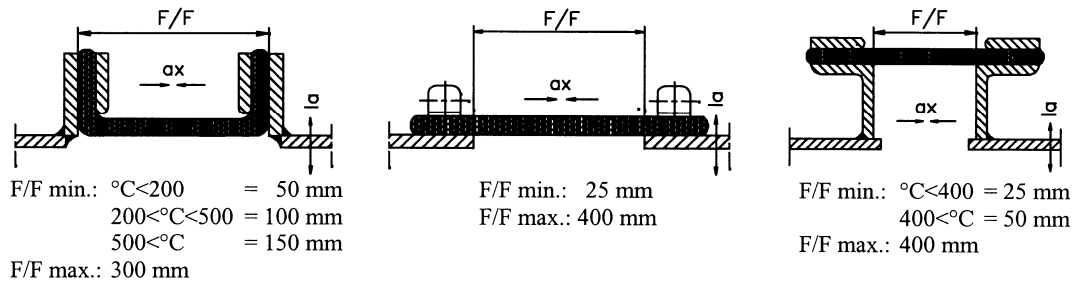


材料編號說明 (Material Specification) :

編號 No.	材料名稱說明 Material Description	單位重量 Weight (g/m ²)	厚度 Thickness (mm)
1.2	Wire mesh, Incoloy DS, 12X12	1240	0.45
6.6	PTFE coated glass fabric, inside laminated	2000	1.20
6.8	PTFE coated glass fabric, inside laminated	1950	1.20
10.2	Glass fabric impregnated with inorganic HT75	1050	1.25
11.3	Superwool – 1" 128 kg/m ³	3200	25.00
12.7	Silica fabric, standard	1250	1.30
12.10	Silica fabric, knitted	2400	12.5
13.1	Needled glass felt	2000	13.00

合成橡膠伸縮接頭針對洗滌與廢氣系統之氣密與冷凝效應，提供一有效且可靠的解決方法。

(Elastomeric expansion joints provide an effective and durable solution to the problems of handling hot gases and associated condensates in scrubber and flue-gas system.)



變位量表 (Expansion Absorption Chart) :

型號 / 外型 Model / Profile No.	F / F (mm)															
	50		100		150		200		250		300		350		400	
	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la	ax	la
NPG	25	10	50	20	75	30	100	40	125	50	150	60	175	70	200	80
EPDM	20	7	40	15	60	20	80	30	100	40	120	45	140	50	160	60
FKM	15	5	30	10	45	15	60	20	75	25	90	30	105	35	120	40

附注(Remarks) : ax : 軸向壓縮(axial compression) la : 側向位移(lateral movement)

軸向伸長量(axial extension) = F/F 長之 5% (5% of F/F)

耐壓對照表 (Pressure Chart) :

型號 Model	材料編號 Material No.	耐溫 ($^{\circ}\text{C}$) Max. Temp.	Kpa (-)				Kpa (+)		
			50	25	15	0	15	25	50
NPG	3.5	80							
EPDM	3.7	120							
FKM	3.8	200							

附注(Remarks) : 1kpa = 0.1 N/cm² = 0.01 kg/cm² = 0.1 m-H₂O = 0.01 bar

材料編號說明 (Material Specification) :

編號 No.	材料名稱說明 Material Description	單位重量 Weight (g/m ²)	厚度 Thickness (mm)
3.5	Neoprene rubber, 1 layer reinforcement.	4350	3.00
3.7	EPDM rubber, 2 layer reinforcements.	4800	4.00
3.8	Viton B, 1 layer reinforcement.	7000	3.45