



## LIMITI PRESSIONE - TEMPERATURA PRESSURE-TEMPERATURE RATING

### TABELLA E NOTE DEI MATERIALI PER PRESSIONI E TEMPERATURE SEC. ASME B16.5

THE FOLLOWING TABLE AND NOTES DETAIL THE MATERIALS FOR THE ASME B16.5 PRESSURE-TEMPERATURE CHARTS.

Material Group	Material	See Notes	Material Group	Material	See Notes
1.1	A-105	a,h,j	2.1	A-182-F304	l
	A-515-70	a,h		A-182-F304H	-
	A-516-70	a,g		A-240-304, A-240-340H	l,m
	A-350-LF2, A-537 C1.1	d	2.2	A-182-F316	l
A-203-B, A-203-E	a,h	A-182-F316H		-	
A-350-LF3	d	A-240-316, A-240-316H, A-240-317		l,m	
1.4	A-515-60	a,h	2.3	A-182-F304L, A-240-304L	f
	A516-60	a,g		A-182-F316L, A-240-316L	g
	A-350-LF1	d	2.4	A-182-F321	h,l
1.5	A-182-F1, A-204-A, A-204-B	b,h		A-240-321	h,l,m
1.7	A-204-C	g		A-182-F321H	-
	A-182-F2	h		A-240-321H	m
1.9	A-182-F11 C1.2, A-182-F12	c,k	2.5	A-182-F347	h,i
	A-387-11 C1.2	c		A-240-347	h,l,m
1.10	A-182-F22 C1.3, A-387-22 C1.2	c		A-182-F347H	-
1.13	A-182-F5A, A-182-F5	-		A-240-347H	m
1.14	A-182-F9	-		A-182-F348	h,l
				A-240-348	h,l,m
				A-182-F348H	-
			A-240-348H	m	
			2.6	A-240-309S, A-240-309H	l,m
			2.7	A-182-F310, A240-310S, A-240-310H	i,l,n

#### General Note:

Plate materials are listed only for use as blind flanges. For more details see ASME B 16.5.

#### Notes:

- Permissible but not recommended for prolonged use above about 800°F (425°C).
- Permissible but not recommended for prolonged use above about 850°F (455°C).
- Permissible but not recommended for prolonged use above about 1100°F (593°C).
- Not to be used over 650°F (343°C).
- Not to be used over 800°F (425°C).
- Not to be used over 850°F (455°C).
- Not to be used over 1000°F (540°C).
- For service temperature 1050°F (566°C) and above, assurance must be provided that grain size is not finer than ASTM No. 6.
- Only killed steel may be used above 850°F (455°C).
- Use normalized and tempered material only.
- At temperatures over 1000°F (540°C), use only when the carbon content is 0.04 percent or higher.
- For temperatures over 1000°F (540°C), use only if the material is heat treated by heating it to a temperature of at least 1900°F (1040°C) and quenching in water or rapidly cooling by other means.
- For service temperatures of 1050°F (566°C) and above, assurance must be provided that grain size is not finer than ASTM No. 6.
- To be used only for Class 150 and Class 300 flanges.