

7 **Materials** Materials of the flanges shall be the ones given in table 5 or those at least equivalent to them in both the mechanical properties and corrosion resistance. Materials of welding flanges shall be suitable for welding.

Remarks : ASTM materials and ISO materials admitted that they are equivalent or superior to the materials given in table 5 are shown in reference table 1 and reference table 2, respectively.

Table 5 Materials

Material	Rolled steels		Steel forgings		Steel castings		Material group No.
	Number of standard	Symbol of material	Number of standard	Symbol of material	Number of standard	Symbol of material	
Carbon steel	JIS G 3101	SS 400	JIS G 3201	SF 390A	JIS G 5101	SC 410	001
	JIS G 4051	S 20 C	JIS G 3202	SFVC 1	JIS G 5151	SCPH 1	
	JIS G 4051	S 25 C	JIS G 3201	SF 440A	JIS G 5101	SC 480	002
	—	—	JIS G 3202	SFVC 2A	JIS G 5151	SCPH 2	003a
Low alloy steel	—	—	JIS G 3203	SFVA F1	JIS G 5151	SCPH 11	013a
	—	—	JIS G 3203	SFVA F11A	JIS G 5151	SCPH 21	015a
Stainless steel	JIS G 4304	SUS 304	JIS G 3214	SUS F304	JIS G 5121	SCS 13A	021a
	JIS G 4305	SUS 304					
	—	—	—	—	JIS G 5121	SCS 19A	021b
	JIS G 4304	SUS 316	JIS G 3214	SUS F316	JIS G 5121	SCS 14A	022a
	JIS G 4305	SUS 316					
	—	—	—	—	JIS G 5121	SCS 16A	022b
	JIS G 4304	SUS304L	JIS G 3214	SUS F304L	—	—	023a
	JIS G 4305	SUS304L					
JIS G 4304	SUS316L	JIS G 3214	SUS F316L	—	—	023b	
JIS G 4305	SUS316L						