

Designation														
GL M-550 HY 80	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	As %	Cu %	Sb %	Sn %	Ti %	V %
Min.	.12	.15*	.10	-	-	1.0	.20	2.0	-	-	-	-	-	-
Max.	.18	.35	.40	.015	.008	.60	3.25	.025	.25	.025	.025	.030	.020	.030
GL M-700 HY 100														
Min.	.12	.15*	.10	-	-	1.0	.20	2.25	-	-	-	-	-	-
Max.	.12	.35	.90	.010	.008	1.80	.60	3.50	.025	.25	.025	.030	.02	.03

\*When Vacuum Carbon Deoxidation: Si<sub>min</sub> = .05%

### Chemical Composition of quenched and tempered High Strength Low Alloy Steels HY 80 and HY 100\*\*

\*\* According to "Germanischer Lloyd – Rules for Classification and Construction / Materials and Welding / Metallic Materials / Special Materials for Naval Ships"