

STEEL GRADE FOR HIGH AND LOW TEMPERATURE APPLICATIONS

These steels are employed in the mechanical and petrochemical fields, principally in power stations. They are used for equipment that must function at a temperature of over 350° C. The plastic deformation due to the viscose creep is the result of the combined action of temperature-stress-time. Our controlled casting and rolling practices enable us to achieve a perfect ferrite structure hardening, higher micro-purity and controlled austenitic grain.



Steel grade

Steel grade	Corresponding standard			Average chemical composition						
	Werkstoff	ORI Martin	C	Mn	Si	Cr	Mo	V	Ni	
Mo	15Mo3	15415	C15D3	0,15	0,70	0,20	-	0,30	-	-
Cr Mo V	21CrMoV57	17709	S21K5	0,20	0,70	-	1,30	0,70	0,30	-
	40CrMoV46	17711	B40K4	0,40	0,70	-	1,00	0,60	0,30	-
Mn	20Mn6	11169	C20M6	0,20	1,50	0,20	-	-	-	-
Ni	14Ni6	15622	C14N6	0,14	0,60	0,20	-	-	-	1,50