

Quality	X15CrMo5-1
According to Standard	EN 10269 : 2013 (E)
Number	1.739



Comparable Standards	EN	W.N.
	X15CrMo5-1	1.7390

Chemical Analysis	C %	Si % max	Mn %
	≤ 0.18	≤ 0.40	0.30 - 0.80
	B	Cr %	Mo %
	-	4.0 - 6.0	0.45 - 0.65
	P% max	S% max	Altot
	0.025	0.015	-
Ni %	V %	Others	
-	-	-	

Guidance for Heat Treatment			
Heat Treatment Symbol ^a	Normalizing, quenching or Solution annealing temperature °C	Type of cooling ^b	Tempering or precipitation treatment (and time) °C
+ NT	925 to 975	a	690 to 750
+ QT	925 to 975	o	690 to 750

Mechanical Properties at Room Temperature				
Heat Treatment Condition ^a	Hardness	Diameter ^c	Proof Strength	Tensile strength
	HBW max	d mm	Rp0,2 Mpa min.	Rm Mpa
+ NT or + QT	-	d ≤ 160	420	640 to 780
	Elongation after fracture A % min.	Reduction in area Z % min.	Impact energy(ISO-KV2 J min.)	
	14	45	40	