Quality	**10CrMo9-10**
According to Standard	**EN 10273 : 2000**
Number	**1.7380**

KRANTI INDUSTRIAL METAL SUPPLIER LLP

Comparable Standards	**EN**	**W.N.**
	10CrMo9-10	1.7380

Chemical Analysis	**C %**	**Si % max**	**Mn %**	**P% max**	**S% max**
	0.08 - 0.14	0.50	0.40 - 0.80	0.03	0.025

Cr %	**Cu max.**	**Mo %**	**Ni %**
2.00 - 2.50	0.3	0.90 - 1.10	-

Al_{tot}
1)

Hot Work and Heat Treatment Temperatures

Normalizing	**Temperature Range For Quenching**	
	Austenitizing	**Tempering²)**
--	920 to 980	680 to 760

Mechanical Properties at Room Temperature

Usual delivery conditon	**Diameter or thickness mm**		**Yield Strength R**
+N	**over**	**up to**	**N/mm2 min.**
		6	310
+NT	16	40	300
	40	60	290
+NT or	60	100	270
+QA or +QL	100	150	250

Tensile Strength	**Elongation after fracture ($L_o = 5{,}65\sqrt{S_o}$)**	**Minimum impact energy value**		
		KV (longitudinal)		
N/mm2	**A (longitudinal) % min.**	**J at temperatures in °C**		
480 to 630	18			
470 to 620		-	-	40
460 to 610	17			

1) The Al content of the cast shall be determined and given in the inspection document.