



**CHROME WELD™ COMPLEX** is an overlay plate consisting of small primary chromium carbides, secondary Niobium and Vanadium carbides for ultra-demanding conditions. The high concentration of small carbides greatly improves wear resistance and toughness over standard chromium carbide plate.

### Mechanical Information

**CHROME WELD™ COMPLEX** typical hardness range from 65-70 HRC depending upon deposit thickness. The surface of the plate is a composite of tungsten carbide combined with chromium iron carbides. The surface of the plate exhibits numerous hairline cracks which are essential to the performance of the plate and enable it to be formed, bent and rolled without damage.



TYPICAL CHEMISTRY %							
2 Layer Deposit							
Carbon (C)	Chromium (Cr)	Manganese (M)	Silicon (Si)	Iron (Fe)	Tungsten (W)	Niobium (Nb)	Vanadium (V)
4-6	18-22	0-2	0-2	Balance	1-3	5-7	1-2