

WEL-TEN780E

Trade Name	Technical Delivery Condition	Yield Strength	Typical Chemical Composition Maximum %						
			C	Si	Mn	P	S	Cr	Mo
WEL-TEN780E	Normalised	685 MPa	0.22	0.55	2.00	0.025	0.01	1.6	0.6
			V	Al	Cu	N	Nb	Ti	B
			0.1		0.5				0.05

Werkstoff	DIN standard	ASTM	BS	JIS	SIS	UNI

Dimension	Yield Strength (R_e) MPa	Tensile Strength (R_m) MPa	Elongation (A_5) %	Impact energy Charpy-V J	Carbon Equivalent C_{ev}
≤50mm Thick	685	950 - 1130	16	27	0.60

Type of steel and characteristics:

Low Alloy High Strength, fine grains structural steel with very high yield strength and superior weldability.

Applications:

Pressure vessels, oil storage tanks, penstocks, bridges, buildings, construction and industrial equipment.