

ST52-3

Trade Name	Technical Delivery Condition	Yield Strength	Typical Chemical Composition Maximum %							
			C	Si	Mn	P	S	Cr	Mo	Ni
ST52-3	Normalised	355 MPa	0.2	0.5	1.6	0.025	0.01	0.3	0.08	0.5
			V	Al	Cu	N	Nb	Ti	B	
			0.1	0.02	0.3	0.02	0.05	0.03		

Werkstoff	DIN standard	ASTM	BS	JIS	SIS	UNI
1.0045	ST52-3	A573-81	50 B	SM490A	2132	Fe 510-B

Dimension	Yield Strength (R_e) MPa	Tensile Strength (R_m) MPa	Elongation (A_5) %	Impact energy Charpy-V J	Carbon Equivalent C_{ev}
≤16mm Thick	355	510	15	27	0.45

Type of steel and characteristics:

Low Alloy High Strength, fine grains structural steel.

Applications:

Bridges, buildings, construction and industrial equipment.