

Standardization and composition

BE DAI WELD® M5183

be

EN ISO 18273	S Al 5183 (AlMg4.5Mn0.7(A))
DIN 1732	3.3548
AWS A5.10	ER 5183
Si	< 0.40
Fe	< 0.40
Cu	< 0.10
Mn	0.50 - 1.00
Mg	4.30 - 5.20
Cr	0.05 - 0.25
Zn	< 0.25
Zr	-
Ti	< 0.15
Al	Balance
Be	< 0.0003
Others	< 0.15

Standards: DIN 1732 (3.3548)

AWS A5.10 (ER 5183)

DIN EN ISO 18273 (S Al 5183 (AlMg4.5Mn0.7(A)))

Shielding gas: DIN 1732 (3.3548)

AWS A5.10 (ER 5183)

100% Ar (I1)

Shielding gas: DIN EN ISO 18273 (S Al 5183 (AlMg4.5Mn0.7(A)))

100% Ar (I1)

Ar / He mixture (I3)

Standardization and composition

Physical properties

Make-up	Weight/Length	Dimension
S100	0.5 kg	0.80 / 1.00 / 1.20 /1.60mm
S200	2.0 kg	0.80 / 1.00 / 1.20 /1.60mm
S300	5.0 - 7.0 kg	0.80 / 1.00 / 1.20 /1.600mm
BS300	5.0 - 7.0 kg	0.80 / 1.00 / 1.20 /1.60mm
B300	5.0 - 7.0 kg	0.80 / 1.00 / 1.20 /1.60mm
bedrabox	80-150kg	1.00 / 1.20 / 1.60mm
Drum	60.0 - 140.0 kg	1.00 / 1.20 /1.60mm
Rods	5.0 - 10.0 kg	1.60 / 2.40 / 3.20 / 4.00 / 6.00mm x 1000mm

Physical properties

Density (g/cm ³)	2.66
Melting range (°C)	574 - 638
Yield strength (MPa)	≥ 130
Tensile strength (MPa)	≥ 275
Elongation (%)	≥ 18

Delivery options

