

3S144

Additional Information

S144 has similarities to the following standard designations and specification

BS S143

BS S145

FV520B

Def Stan 95-14

Chemical Properties

Element	Chemical Composition %
Carbon (C)	0.07
Silicon (Si)	0.6
Manganese (Mn)	1.0
Phosphorous (P)	0.035 max
Sulphur (S)	0.025 max
Chromium (Cr)	13.2 - 14.7
Copper (Cu)	1.20 - 2.0
Molybdenum (Mo)	1.20 - 2.0
Niobium (Nb)	0.10 - 0.40
Nickel (Ni)	5.0 - 5.80

Mechanical Properties

Grade	Condition	Tensile Strength N/mm ²	Yield Strength N/mm ²	Elongation (%)	Hardness (HB)
S144	Primary Hardened S144D	-	-	-	341 max
S144	Sol Trd, Primary Hd, plus Precipitate S144H	1130 - 1330	1030	12	352 - 401

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