



Chemical composition of hot-rolled steel 2344

ترکیب شیمیایی گرد فولاد گرمکار ۲۳۴۴

Element	Percentage
C	0.26
Cu	0.2
Fe	99
Mn	0.75
P	0.04 max
S	0.05 max

Mechanical data of hot-rolled steel 2344

اطلاعات مکانیکی گرد فولاد گرمکار ۲۳۴۴

	Imperial	Metric
Density	0.282 lb/in ³	7.8 g/cc
Ultimate Tensile Strength	58,000psi	400 MPa
Yield Tensile Strength	47,700psi	315 MPa
Shear Strength	43,500psi	300 MPa
Melting Point	2,590 - 2,670°F	1,420 - 1,460°C

منبع اطلاعاتی : https://www.coremarkmetals.com/hot-rolled-steel-round-bar?srsId=AfmBOoqcqZKGKJLkzD5vuuyLJwO3X1ei3pZMz3-SZ6gplywUBTUn_GAL



Specialized dimensional tolerances for hot-rolled steel round 2344

تولانس ابعادی تخصصی گرد فولاد گرمکار ۲۳۴۴

Nominal size range	Limit deviation
between 10 and 12	+/- 0.15
between 13 and 22	+/- 0.20
between 24 and 30	+/- 0.25
between 32 and 40	+/- 0.30
between 42 and 52	+/- 0.40
between 55 and 75	+/- 0.50



Specialized dimensional tolerances for hot-rolled steel round 2344

تولرانس ابعادی عمومی گرد فولاد گرمکار ۲۳۴۴

Nominal size range	Limit deviation
between 10 and 15	+/- 0.4
between 16 and 25	+/- 0.5
between 26 and 35	+/- 0.6
between 36 and 50	+/- 0.8
between 52 and 80	+/- 1.0
between 85 and 100	+/- 1.3
between 105 and 120	+/- 1.5
between 125 and 160	+/- 2.0
between 165 and 200	+/- 2.5
220	+/- 3.0
250	+/- 4.0

منبع اطلاعاتی : https://bssa.org.uk/bssa_articles/tolerances-to-bs-en-10060-for-hot-rolled-round-stainless-steel-bars/