

EVRAZ manufactures premium and standard rails in continuous lengths of up to 100 meters at its brand new facility in Novokuznetsk, Russia. Rail sections are produced in accordance with EN, UIC and GOST standards as well as other specialized requirements. Delivery options include rail car and maritime service.

DIMENSIONS	60E1	60E2	54E1
kg/m	60.21	60.00	54.77
Height (mm)	172	172	159
Base Width (mm)	150	150	140
Head Width (mm)	72	72	70
Web Thickness (mm)	16.5	16.5	16

CHEMICAL COMPOSITION	C	Mn	P	S	Si	Ni	Cr	Mo	V
	0.70-	0.65-	0.025	0.030	0.13-	0.10	0.15	0.02	0.030
	0.82	1.25	max	max	0.60	max	max	max	max

MECHANICAL PROPERTIES (avg.)	Surface Hardness	Ultimate Tensile Strength	Elongation (min)
	350-390 HBW	1175 MPa	9%

MATERIAL TEST REPORTS

In accordance with EN 13674-1:2011

MANUFACTURING FEATURES

EVRAZ produces steel from an Electric Arc Furnace (EAF) melt shop, featuring hydrogen removal through Vacuum Tank Degassing (VTD) and continuous billet casting. Rail manufacturing takes place on a universal rolling mill commissioned in 2013 that features state-of-the-art production processes and technology in addition to in-line heat treatment for production of premium rails. The process utilizes the latest air quenching technology to produce first class, durable rails with superior surface hardness and hardness at depth.

APPLICATIONS

Heat treated railway rails. Intended for jointed track, ribbon track and switches.

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