

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	65-R
kg/m	64.88
Height (mm)	180
Base Width (mm)	150
Head Width (mm)	75
Web Thickness (mm)	111.2

CHEMICAL COMPOSITION	C	Mn	P	S	Si	N	Cr	Al	V
	0.83-	0.75	0.020	0.020	0.25-	0.010-	0.20-	0.004	0.08-
	0.95	1.25			0.60	0.020	0.60		0.15

MECHANICAL PROPERTIES (avg.)	Surface Hardness	Ultimate Tensile Strength	Elongation (min)
	370-409 HBW	1280 MPa	9%

MATERIAL TEST REPORTS

In accordance with Gost R 51685-2013

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

Head hardened railway rails with improved wear resistance and contact fatigue life. Intended for heavy-weight traffic of up to 30 ton-force per axle and in curves with radius of 600 meters and below.

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