

Wheels, Axles & Wheel Sets



Durgapur Steel Plant : Details of Wheels, Axles and Wheel Sets

Item	Weight per piece, kg	Wheel tread dia, mm	Axle load, t
16.25T AC Coaching Wheel Set	1092	915	16.25
16.25T BG Coach Wheel	384	920	
16.25T Loose Axle	378		16.25
Diesel Loco Wheel	528	1097	
Loco Wheel 'S' Shaped	528	1097	
MG Loco Wheel	421	970	16.25

All the above items are as per the relevant drawings.

Chemical Composition

Specification	C% max	Mn % max	P % max	S % max	Si %
IRS: R-16/95*	0.37	1.12	0.040	0.040	0.15-0.46 - BG Coaching Axles
IRS: R-19/93**	0.52	0.60-0.80	0.030	0.030	0.15-0.40 - BG Coaching Wheels
IRS: R-34/03***	0.57-0.67	0.60-0.85	0.030	0.030	0.15 min - Loco Wheel

* P+S = 0.07 max

** For IRS: R-19/93 Hydrogen content < 3 ppm (Liquid steel)

*** For IRS: R-34/03 Hydrogen content < 2.5 ppm (Finished Steel)