



P.K.G. Exports Pvt. Ltd.



PRODUCT CODE :: PKG/RO/34

RAILS

GRADE :: T - 18 / I.U (880)

STEEL :: KILLED QUALITY

SECTION :: 60 KG / METRE

LENGTH :: IU GRADE - 13 METRE
T - 18 - 9, 10, 11 & 12 METRE

CHEM. COMPOSITION	:: T - 18	I. U. GR. II
C	0.60 - 0.80%	0.60 - 0.85%
Mn	0.80 - 1.30%	0.80 - 1.40%
Si	0.10 - 0.50%	0.10 - 0.55%
S&P	0.05% MAX EACH	0.055 & 0.065% MAX

MECH. PROPERTIES	:: U.T.S	880 Mpa Min	350 Mpa Min
	% elongation	10%	10%

DIAMENSIONAL TOLERANCE	:: T - 18	I. U. GR. II
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ON OVERALL HEIGHT OF RAIL	+ 1.6 MM	+ 2.0 MM
	- 0.8 MM	- 1.0 MM
ON WIDTH OF RAIL HEAD	+ 1.8 MM	+ 2.0 MM
	- 0.6 MM	- 2.0 MM
THICKNESS OF WEB	+ 1.6 MM	+ 2.0 MM
	- 0.6 MM	- 1.0 MM

ON WIDTH OF FLANGE	+ 1.0 MM *	+ 1.5 MM
	- 1.0 MM	- 2.0 MM
	+ 1.0 MM **	
	- 1.5 MM	
(* FOR SECTION LESS THAN 60 KG/M / ** FOR SECTIONS 60 KG/M & ABOVE)		
VERTICAL / ASSYMMETRY	+/- 1.2 MM	
CONCAVITY OF FOOD BASE	0.4 MM MAX	
LENGTH	8 M TO 13 M MULTIPLE OF 1 M	
LENGTH TOLERANCE	+/- 25 MM FOR T-18 & /- 35 MM FOR I.U.GR.II	
OUT OF SQUARE	0.60 MM	

STRAIGHTNESS :: IN CASE OF T - 18

MAY IMUM DEVIATION SHALL BE 1.5 MM MEASURED AS
THE MAXIMUM ORDINATE ON A CHORD OF 1.5 M
STRAIGHT EDGE MEASURED AT BOTH ENDS OF RAIL.

THE FINISHED RAIL WHEN STANDING ON ITS BASE
SHALL BE REASONABLY STRAIGHT SHALL BE CAPABLE
OF BEING PULLED BY HAND IN A STRAIGHT LINE.

IN CASE OF I.U.GR.II

RAILS WITH REASONALBE DEVIATION IN STRAIGHTNESS
SHALL BE ACCEPTABLE.