



INDIAN RAILWAYS

CHECK SHEET

(No. WD-CS-01- LOCKING PLATE CTRB CLASS 'E'- 2019)

FOR

LOCKING PLATE CTRB CLASS 'E' (6"X11")

S. No.	Month & Year of issue	Revision / Amendment	Page No.	Reason for Amendment
1.	October - 2019	-	-	First issue

ISSUED BY

RESEARCH DESIGNS AND STANDARDS ORGANISATION

MINISTRY OF RAILWAYS

MANAK NAGAR, LUCKNOW - 226 011

Item : Locking Plate Class E

Specification : RDSO Spec. No. AB/RB-39-2002/AB/RB-40-2016 & IS: 513

Drawing No. : WD-87019-S-01

1. Firm's Name :

2. Date (Period) of Inspection :

3. Contract Details

a. Contract No. & Date :

b. Order Placing Authority :

c. Specification No.
(as mentioned in contract) :

d. Drawing No.
(as mentioned in contract) :

4. Quantity on order :

5. Quantity offered for
Inspection on Date :

6. Consignee :

Firm's Quality Control Manager

Inspecting Official of RDSO

Date of Inspection :	Contract No.:
Drawing No.:	Consignee:
Quantity Offered:	

1 VISUAL CHECK :

Visual Checks	Observations	Inspection frequency for RDSO officials
Visual defects, Surface free from damage, scals etc.		As per IS 2500 part 1 special inspection levels S4, AQL 0.01%

2 CHEMICAL COMPOSITION:

Parameters	Chemical composition (%)	Observations	Inspection frequency for RDSO officials
C (Max.)	Material as per IS: 513		01 nos. per lot/per visit
Mn (Max.)			
S (Max.)			
P (Max.)			

3 MECHANICAL PROPERTIES:

S. No.	Parameters	Specified	Observations	Inspection frequency for RDSO officials
1	Tensile Strength Mpa (Max.)	370		01 nos. per lot/per visit
2	Yield Point or Proof Stress Mpa (Max.)	240		
3	Minimum Elongation (Gauge Length 80 mm/Gauge Length 50 mm)	30/31		

4 DIMENSIONAL CHECK :

S. No.	Parameters	Specified	Observations	Inspection frequency for RDSO officials
1	Plate Thickness	1.6 mm		As per IS 2500 part 1 special inspection levels - S4, AQL 0.01%
2	PCD of Center hole (mm)	98.4 PCD		
3	Center hole Dia.	47.5 mm		
4	29 Dia.3 holes on 97 Dia. B.C.	29 Dia.3 holes on 97 Dia. B.C.		
5	Height	5 mm		
6	130 Ref.	130 mm		
7	118 Ref.	118 mm		
8	Tab bend test	No crack		05 nos. per lot/per visit
9	Hardness	65 HRB (Max.)		10 nos. per lot/per visit
10	Surface Protection	Phosphate/Zinc coated as specified		05 nos. per lot/per visit
11	Sharp corner	Tumble blast to remove sharp corner		05 nos. per lot/per visit
12	Marking	As per Drawing		10 nos. per lot/per visit

Firm's Quality Control Manager

Inspecting Official of RDSO