

2302547/2023/O/o ED/SW/RDSO



Govt. of India
Ministry of Railways
Research Designs & Standards Organisation
Manak Nagar, Lucknow-226 012

QM-C-7.1/COUPLER/00011/E (Rev.-01)
Inspection plan(Check Sheets)

Item : Knuckle Pivot Pin.
Spec. : WD-70-BD-10 (Rev.3) or latest
Drg. No. & Alt : SK-62724, Alt. – 28, Item-4

1. P.O.No :
2. RDSO CASE NO :
3. NAME OF THE FIRM :
4. DATE OF INSPECTION :
5. QTY. ON ORDER :
6. QTY PASSED EARLIER :
7. QTY NOW OFFERED :
8. QTY NOW PASSED :
9. QTY REJECTED :
10. DATE OF OFFER :
11. CONSIGNEE :
12. D.P. :

SANJAI
JAUHRI

Digitally signed by SANJAI
JAUHRI
DN: cn=SANJAI JAUHRI,
c=IN, st=UTTAR PRADESH,
o=MINISTRY OF RAILWAYS,
ou=MINISTRY OF RAILWAYS,
serialNumber=BF5A8ACB6284
3589C066D112792EE235F60
B99103726CF566BCA8FD276
2E0FD4
Date: 2023.10.23 13:59:25
+05'30'

Signature of Firm's Representative

Inspecting Official of RDSO

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Inspection Check Sheet for Knuckle Pivot Pin.

Spec. WD-70-BD-10 (Rev.3) or latest

1. Visual Check: Sample size -10% of the lot

1	2	3	4	5	6	7	8	9	10	11	12	13	14

2. Dimension Check: 10% checked by gauge (all dimension in mm)

SAMPLE NO	HEAD DIA 52.4	PIN DIA 41.28	TOTAL LEGHTH 342	HEAD THK 12.5	DIA OF WASHE R 51.0	THK. OF WASHER 5.0

3. Chemical Composition: each lot (attach copy)

(Chemical Test as per IS: 5517 42 CR4 MO2)

	%C	%Mn	%Si	%S	%P	%Cr	%Mo
Specified Value	0.38-0.45	0.60-0.90	0.10-0.35	0.035 max	0.035 max	0.90-1.20	0.15-0.30
Observed Value							

4. Physical Test: as per WD-70-BD-10 for Knuckle. Pin

	U.T.S (Kgf/mm ²)	Y.S (Kgf/mm ²)	% EL	% RA
Specified Value	103 Kgf/mm ² (min)	63 Kgf/mm ² (min)	16.5 (mm)	46.20 (min)
Observed Value				

5. Hardness check: 5% As per para 4.2.1.2 of WD-70-BD-10(Rev.3) or latest

Specified Value: 229-428 BHN

1	2	3	4	5	6	7	8	9	10

Note: Take hardness on Top, Bottom & Center as specified in WD-70-BD-10

6. . a) Marking: Manufacture's initial and month/ year of manufacture stamped on head . OK/Not OK

b) Packing: Material in loose sealed in gunny bag.

OK/Not OK

Signature of Firm's Representative

**SANJAI
JAUHRI**

Digitally signed by SANJAI
JAUHRI
DN: cn=SANJAI JAUHRI, c=IN,
st=UTTAR PRADESH,
o=MINISTRY OF RAILWAYS,
ou=MINISTRY OF RAILWAYS,
serialNumber=BF5ABACB6284
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39103726CF556BCA8FD276Z
E0FD4
Date: 2023.10.23 14:00:03
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Inspecting Official of RDSO